

**STATE OF UTAH**  
 DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>				<b>1. WELL NAME and NUMBER</b> HURLEY 2-33A1		
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				<b>3. FIELD OR WILDCAT</b> BLUEBELL		
<b>4. TYPE OF WELL</b> Oil Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>		
<b>6. NAME OF OPERATOR</b> EL PASO E&P COMPANY, LP				<b>7. OPERATOR PHONE</b> 303 291-6417		
<b>8. ADDRESS OF OPERATOR</b> 1099 18th ST, STE 1900 , Denver, CO, 80202				<b>9. OPERATOR E-MAIL</b> marie.okeefe@elpaso.com		
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) FEE</b>		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> SEE RELATED SURFACE INFO				<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>
LOCATION AT SURFACE	384 FNL 676 FEL	NENE	33	1.0 S	1.0 W	U
Top of Uppermost Producing Zone	384 FNL 676 FEL	NENE	33	1.0 S	1.0 W	U
At Total Depth	384 FNL 676 FEL	NENE	33	1.0 S	1.0 W	U
<b>21. COUNTY</b> DUCHESNE		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 384		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640		
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1800		<b>26. PROPOSED DEPTH</b> MD: 13500 TVD: 13500		
<b>27. ELEVATION - GROUND LEVEL</b> 5220		<b>28. BOND NUMBER</b> 400JU0708		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Roosevelt City Water		

**ATTACHMENTS**

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

<b>NAME</b> Marie Okeefe	<b>TITLE</b> Sr Regulatory Analyst	<b>PHONE</b> 303 291-6417
<b>SIGNATURE</b>	<b>DATE</b> 10/15/2009	<b>EMAIL</b> marie.okeefe@elpaso.com
<b>API NUMBER ASSIGNED</b> 43013501660000	<b>APPROVAL</b>   Permit Manager	

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Cond	17.5	13.375	0	1650		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 ST&C	1650	54.5			

**CONFIDENTIAL**

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
I1	8.75	7	0	10023		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade HCP-110 LT&C	10023	26.0			

**CONFIDENTIAL**

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Prod	6.125	4.5	0	13500		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade P-110 LT&C	3677	15.1			

**CONFIDENTIAL**

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Surf	12.25	9.625	0	5578		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade N-80 LT&C	5578	40.0			

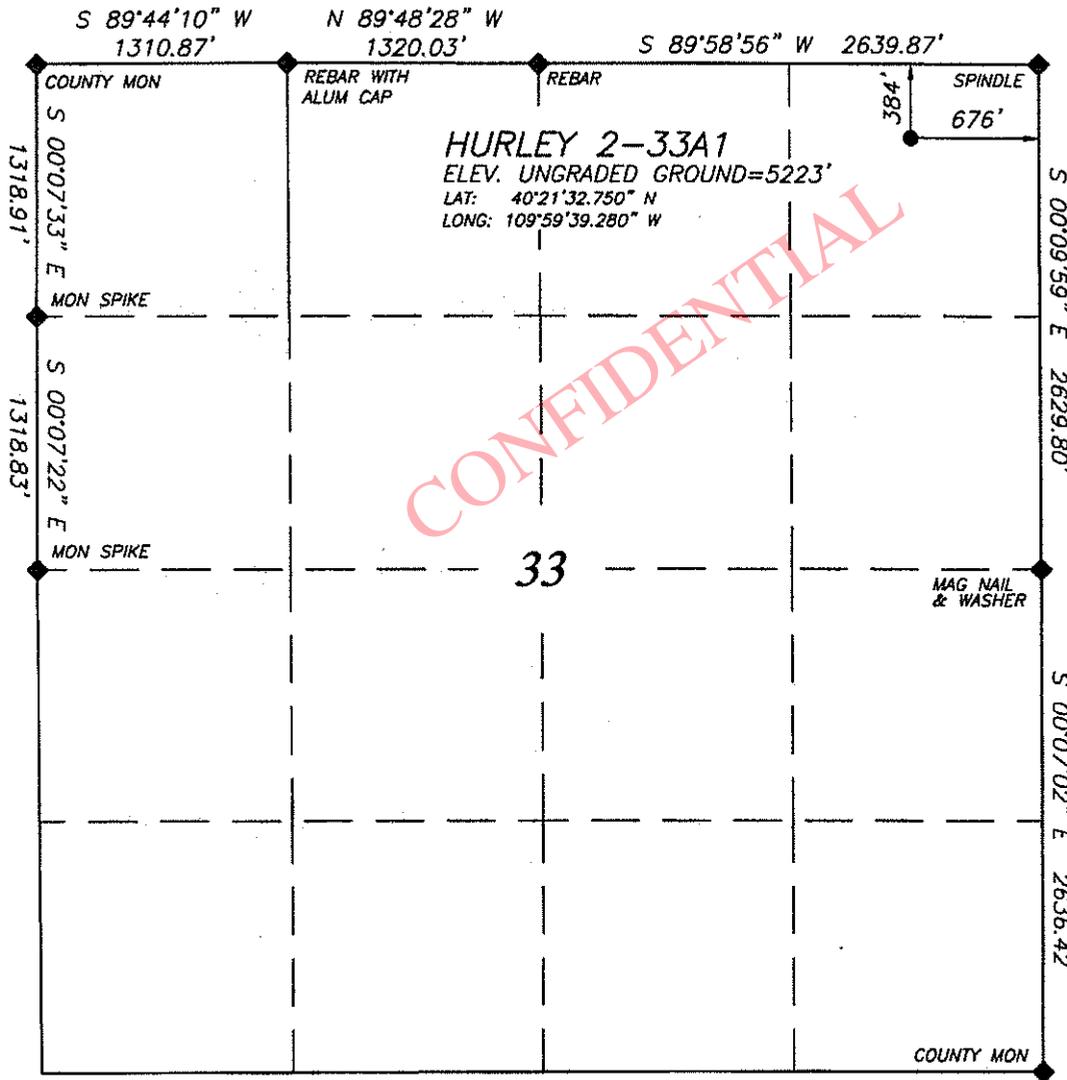
**CONFIDENTIAL**

# EL PASO E & P COMPANY, L.P.

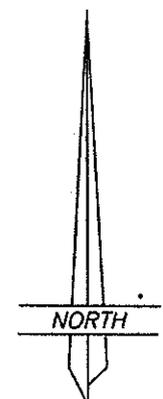
WELL LOCATION

HURLEY 2-33A1

LOCATED IN THE NE¼ OF THE NE¼ OF SECTION 33, T1S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH



CONFIDENTIAL

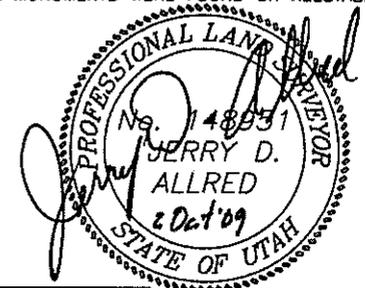


SCALE: 1" = 1000'



SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME, OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.

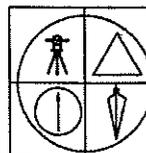


JERRY D. ALLRED, REGISTERED LAND SURVEYOR, CERTIFICATE NO. 148951 (UTAH)

LEGEND AND NOTES

- ◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY  
 THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP  
 THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT  
 THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT A CONTROL POINT LOCATED AT LAT.40°20'35.626"N AND LONG 109°59'30.141"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM



**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
 DUCHESNE, UTAH 84021  
 (435) 738-5352

AFFIDAVIT OF FACTS

STATE OF UTAH §

COUNTY OF DUCHESNE §

Re: Surface Use Agreement and Right-of-Way  
Wellsite, Road and Pipeline  
El Paso E&P Company, L.P., Operator  
Hurley 2-33A1 Oil & Gas Well  
NE/4NE/4 of Sec. 33, T1S, R1W, Duchesne County, Utah (the "Lands")

WHEREAS, the undersigned, John Whiteside (affiant), whose mailing address is P.O. Box 790093, Vernal, UT 84079, being first duly sworn on oath, depose and say:

1. I am over the age of 21 and am an Independent Oil and Gas Landman, on contract to El Paso E&P Company, L.P., 1099 18<sup>th</sup> Street, Suite 1900, Denver, Colorado 80202 ("El Paso").
2. In Tax Roll and Special Warranty Deed dated August 1, 2005 and recorded August 5, 2005 in Book A450, Page 141 entry number 378957 of the Duchesne County Recorder's Office, Charmaine Hurley, as Trustee of the Charmaine J. Hurley Trust dated July 14, 2005, whose address is Route 1, Box 1106, Roosevelt, UT 84066 ("Hurley"), is the current owner of the surface of the Lands where El Paso intends to drill an Oil & Gas Well, more specifically described as a proposed wellsite being 750' from the North line and 930' from the East line of Section 33.
3. The first correspondence for this issue with Ms. Hurley was March 19, 2009, in the form of a notification letter that El Paso had intention to develop their mineral rights and would need to survey the location.
4. There being no response to the survey notification letter, on April 16, 2009 Surface Access and Use Agreement (with Right-of-Way) packet was prepared for Ms. Hurley and attempted delivery in person and attempted telephone contact by Mickie Allred (Independent Landman for El Paso) several times between April 17 and April 29, 2009.
5. On April 29, 2009, Ms. Hurley's daughter Tammy Pierce called (phone 435-725-6979) to tell El Paso to not contact Ms. Hurley and that her attorney, Clark Allred would be in contact. With Tammy and Ms. Hurley's approval, a Surface Use Agreement (SUA) was delivered to Clark Allred. He was informed about the need to have access for survey at the time of delivery.
6. On May 5, 2009, Surveyor Jerry Allred was scheduled to survey and calls were placed to Clark Allred, Ms. Hurley and Ms. Hurley's daughter-in-law Jackie, to notify them of the schedule to survey. Tammy (Ms. Hurley's daughter) called Mickie Allred to reiterate that no one was to go on the land for any reason and that if they did the Hurley family "would take action". Ms. Hurley found Jerry Allred in the process of surveying another location in the area and told him not to go on her property.
7. Attorney for El Paso, Chris Jones (Holland & Hart, LLP) was in telephone and fax contact with Clark Allred to notify Ms. Hurley of the need to survey the location on May 20, 2009. Phone calls and a letter from Chris Jones at Holland & Hart were sent to Clark Allred on May 15, 2009.
8. May 19, 2009 telephone calls were placed to Tammy Pierce and Ms. Hurley, no answer at either number. Messages were left. Tammy called Jerry Allred and denied access to survey.
9. Chris Jones and Clark Allred were able to negotiate a Survey Access Agreement which was signed by Ms. Tammy Pierce as Successor Trustee on June 22, 2009, this agreement was received in my office on June 24, 2009. It was agreed by El Paso to move the location and Ms. Hurley allowed the location to be surveyed at 384 feet from the North line and 676 feet from the East line of the said Section 33 as this location would not disturb a grove of trees which Ms. Hurley claimed was habitat to bald eagles and other wildlife. The original location of 750' from the North line and 930' from the East line of Section 33 would disturb this grove of trees.

CONFIDENTIAL

- 10. On June 30, 2009, Allred Surveying, surveyed the location at the agreed upon move to 384 feet from the North line and 676 feet from the East line of the said Section 33.
- 11. Ms. Charmaine Hurley passed away on July 5<sup>th</sup> of 2009 and El Paso made the decision not to contact the Family about the Well Location for a couple of months to give the Hurley Family time to recover from its loss.
- 12. Mickie Allred made a call on September 23, 2009 and left a message with Tammy Pierce to please call Mickie back, a return call on September 24, 2009 from Tammy to Mickie occurred and Tammy stated that she did not own the land. Mickie gave Clark Allred a call and left a message, Clark called Mickie back and Clark said that Mike Hurley had inherited the lands from his mother and that he did not know if Mike wanted him (Clark Allred) to represent Mike in the surface negotiating for the Well Location.
- 13. Mickie Allred called all of the other Hurley's listed in the phone book and was not able to find Mike Hurley. There was a Michael Hurley listed but it was not the same Mike Hurley son of Charmaine Hurley. Mickie talked to several other people in the Vernal/Roosevelt area with the last name of Hurley and was not able to obtain a phone number for Mike Hurley. Mickie made several trips by Ms. Hurley's place to see if Mike Hurley was living on the lands. It appeared to Mickie that no one was living out on the place, as all of the gates had been locked and closed when Mickie went to the area.
- 14. Chris Jones called Clark Allred on October 9, 2009, and Clark was not sure if Mike Hurley was going to retain Clark as his attorney to represent him in the surface dealing for the Well Location, Clark also stated that he did not have a contact number for Mike but would try to talk to Mike's sister and get a phone number and get in contact with Mike to see if we could get back to negotiating a Surface Use Agreement for the proposed Well Location.
- 15. Chris Jones received a voice mail back from Clark Allred late on October 12, 2009 and Clark Allred stated that he has been retained by Mike Hurley to represent Mr. Hurley in negotiating a Surface Use Agreement and Right-of-Way.
- 16. As of this date, October 13, 2009, El Paso has been unable to obtain a Right-of-Way or a Surface Use Agreement for surface access for the Hurley 2-33A1, Well Location and Road in Township 1 South, Range 1 West, Section 33: NE/4NE/4.

NOW THEREFORE, the undersigned affiant John Whiteside, of lawful age, being first duly sworn, depose and say, that the above facts are true and correct to the best of his knowledge, further Affiant saith not. Signed this 13<sup>th</sup> day of October, 2009.

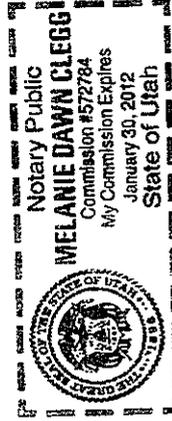
  
By: John Whiteside, Affiant

STATE OF UTAH                    §  
COUNTY OF DUCHESNE       §

On the 13<sup>th</sup> day of October A.D., 2009 personally appeared before me John Whiteside, Affiant signer of the above instrument, who duly acknowledged to me that he executed the same. WITNESS my hand and official seal.

My commission expires: 1-30-2012

  
Notary Public  
Residing at: Duchesne, UT



**HURLEY 2-33A1  
Sec. 33, T1S, R1W  
DUCHESNE COUNTY, UT**

**EL PASO E&P COMPANY, L.P.**

*DRILLING PROGRAM*

1. **Estimated Tops of Important Geologic Markers**

<u>Formation</u>	<u>Depth</u>
Green River	5,678'
Mahogany Bench	7,708'
L. Green River	8,868'
Wasatch	9,923'
TD	13,500'

2. **Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	5,678'
	Mahogany Bench	7,708'
Oil	L. Green River	8,868'
Oil	Wasatch	9,923'

3. **Pressure Control Equipment:** (Schematic Attached)

A 5.0" by 20.0" rotating head on structural pipe from surface to 1650'. A 5.0" by 13 3/8" Rotating Head from 1650' to 5,578' on Conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 5,578' to 10,023'. An 11.0", 10M BOE w/rotating head, 5M annular, blind rams & mud cross from 10,023' to 13,500'. The BOPE and related equipment will meet the requirements of the 5M and 10M system.

**OPERATORS MINIMUM SPECIFIC FOR BOPE:**

The surface casing will be equipped with a flanged casing head of 5M PSI working pressure. We will NU an 13 5/8" 5M BOP, 5M Annular. This equipment will be nipped up on the surface casing and tested to 250 psi low test/5M psi high test prior to drilling out. The surface casing will be tested to 1500 psi. Intermediate casing will be tested to the greater of 1500 psi or .22 psi/ft. The choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 5M psi. The annular preventor will be tested to 250 psi low lest and

2500 psi high test or 50% of rated working pressure. A 10M BOP installed with 5M annular with 3 ½" rams, blind rams, mud cross and rotating head from 9,327' to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventor will be activated weekly and weekly BOP drills will be held with each crew.

**Statement on Accumulator System and Location of Hydraulic Controls:**

Precision 426 will be used at the proposed location. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance for 5M psi and 10M psi systems.

**Auxiliary Equipment:**

- A) Mud logger with gas monitor – 4,780' to TD
- B) Choke manifold with one manual and one hydraulic operated choke
- C) Full opening floor valve with drill pipe thread
- D) Upper and lower Kelly cock
- E) Shale shakers, and mud cleaner.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached wellbore diagram and drilling program

All casing will meet or exceed the following design factors

Burst = 1.00

Collapse = 1.125

Tension = 1.2 (including 100k overpull)

Cement design calculation is based on 20% over gauge, actual job pumped will be a minimum of 20% over caliper to designed TOCs on well sketch for any section logged. 100% excess over gauge will be pumped on surface casing.

5. **Drilling Fluids Program:**

Proposed Mud Program:

<b>Interval</b>	<b>Type</b>	<b>Mud Weight</b>
Conductor	WBM	8.4 – 8.9
Surface	WBM	8.4 – 10.0
Production	WBM	8.4 – 13.5

Anticipated mud weights are based on actual offset well bottom-hole pressure data plus trip margins. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

Please refer to the attached wellbore diagram.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 13,500' TD equals approximately 9,126 psi (calculated at 0.6760 psi/foot).

Maximum anticipated surface pressure based on bottom hole pressure equals approximately 6,156 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 10,023' = 5,813 psi

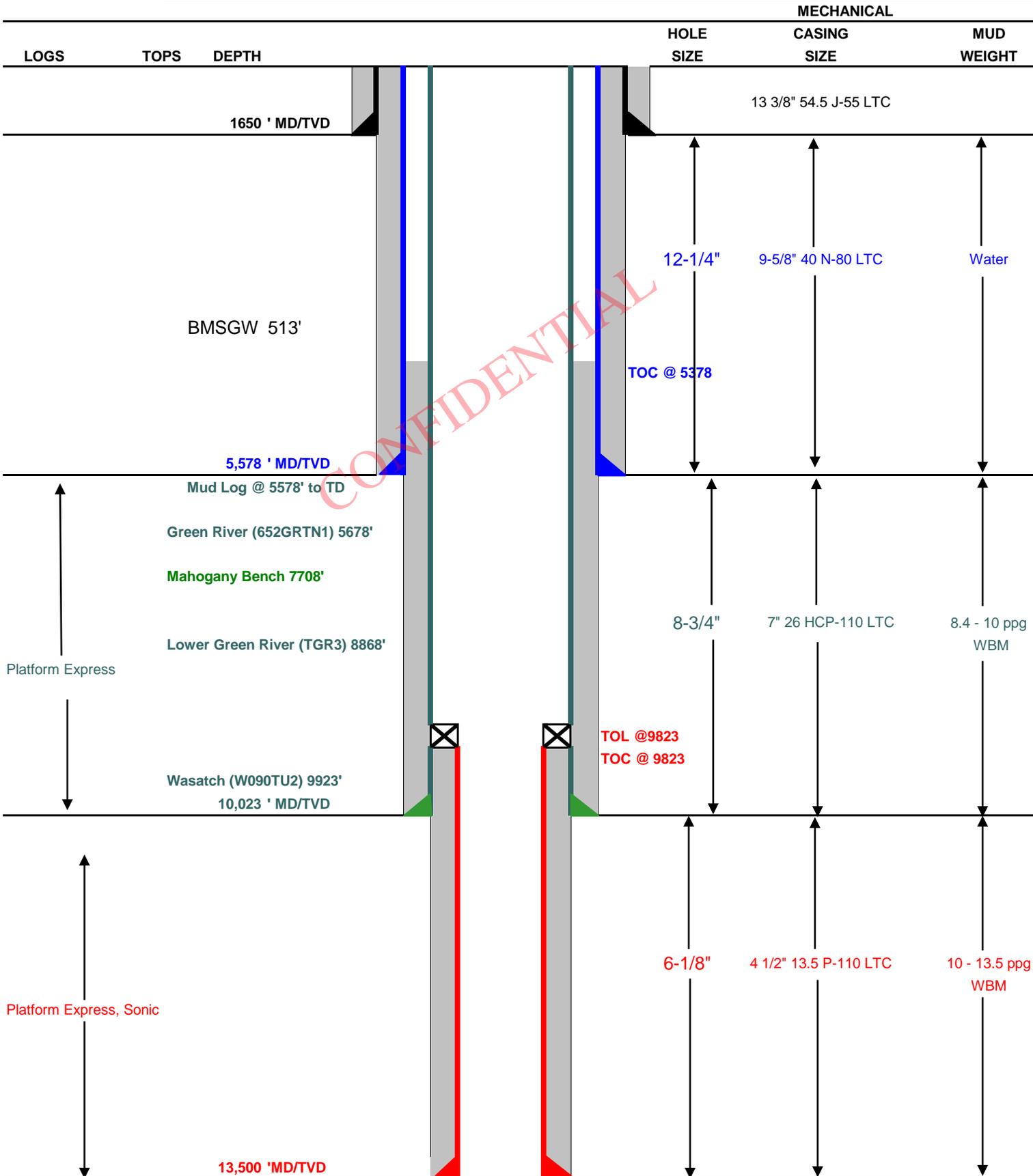
BOPE and casing design is based on the lesser of the two MASPs which is frac at shoe 5,813 psi

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**



Drilling Schematic

<b>Company Name:</b> El Paso Exploration & Production	<b>Date:</b> October 15, 2009
<b>Well Name:</b> Hurley #2-33A1	<b>TD:</b> 13,500
<b>Field, County, State:</b> Altamont - Bluebell, Duchesne, Utah	<b>AFE #:</b>
<b>Surface Location:</b> Sec33 T1S R1W 384' FNL 676' FEL	<b>BHL:</b> Straight Hole
<b>Objective Zone(s):</b> Green River, Wasatch	<b>Elevation:</b> 5220
<b>Rig:</b> Precision drilling 426	<b>Spud (est.):</b>
<b>BOPE Info:</b> 5.0 x 13 3/8 rotating head from 1650 to 5578 11 5M BOP stack and 5M kill lines and choke manifold used from 5578 to 10023 & 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 10023 to TD	



**DRILLING PROGRAM**

**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0' - 1650	54.5	J-55	LTC	2,730 2.07	1,140 1.48	1,399 15.56
SURFACE	9-5/8"	0' - 5578	40.00	N-80	LTC	5,750 1.29	4,230 1.54	837 2.53
INTERMEDIATE	7"	0' - 10023	26.00	HCP-110	LTC	9,950 1.24	7,800 1.50	693 2.16
PRODUCTION LINER	4 1/2"	9823' - 13500	13.50	P-110	LTC	12,410 5.08	10,680 1.13	338 2.42

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		1650	Class G + 3% CaCl2	1100	10%	15.6 ppg	1.15
SURFACE	Lead	5,078	Premium Lite II Plus, 2% CaCl2 0.3% FL52 0.5% Sodium Metasilicate	630	25%	11.0 ppg	3.2
	Tail	500	Class G 50:50 poz, 2% CaCl2, 2% gel 0.3% sodium metasilicate	160	25%	14.4 ppg	1.25
INTERMEDIATE	Lead	4,145	CemCRETE Blend 55.9/44.1 (D961/D124) + 0.2 %bwob D65 + 0.2 %bwob D46 + 0.4 %bwob D13 + 0.2 %bwob D167	480	25%	12.49 ppg	1.65
	Tail	500	10:0 RFC (Class G)	60	25%	14.1 ppg	1.62
PRODUCTION LINER		3,677	WellBond Slurry Class G + 35% D66 + 1.6 gps D600G + 0.05 gps D80 + 0.3% D167 + 0.2% D46 + 0.4% D800 + 1% D20	240	25%	14.5 ppg	1.86

**FLOAT EQUIPMENT & CENTRALIZERS**

CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Install 2 bow spring centralizers every 3rd joint.
LINER	Float shoe, 1 joint, float collar. Rigid centralizer every other joint. Thread lock all FE

PROJECT ENGINEER(S): \_\_\_\_\_

MANAGER: Eric Giles

**EL PASO E&P COMPANY, L.P.**  
**HURLEY 2-33A1**  
**SECTION 33, T1S, R1W, U.S.B.&M.**

PROCEED NORTH FROM THE INTERSECTION OF 200 NORTH AND STATE STREET, ROOSEVELT, UTAH ON PAVED COUNTY ROAD APPROXIMATELY 4.0 MILES TO THE BEGINNING OF THE ACCESS ROAD;

TURN LEFT AND FOLLOW ROAD FLAGS WEST APPROXIMATELY 0.10 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM ROOSEVELT, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 4.10 MILES.

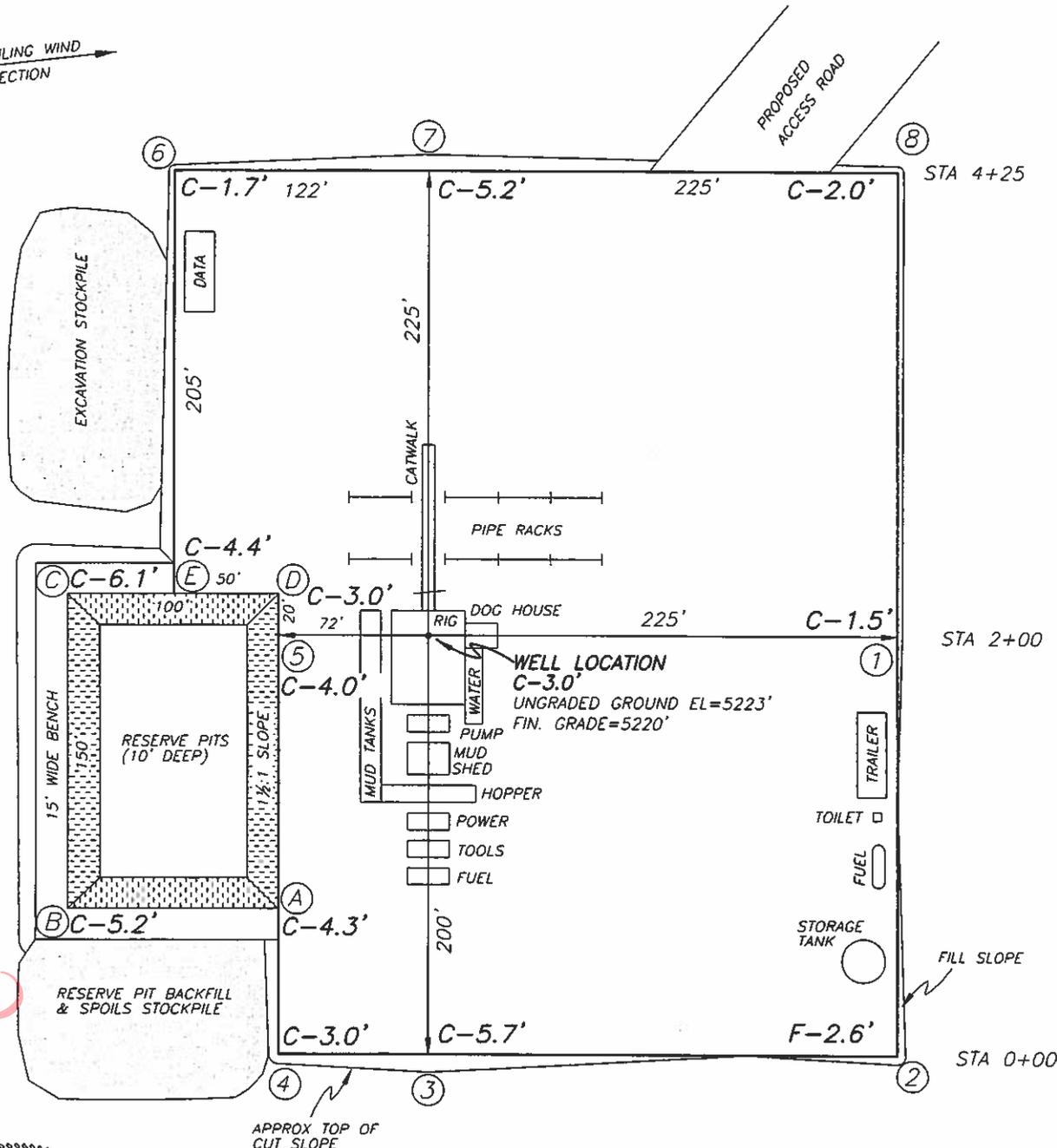
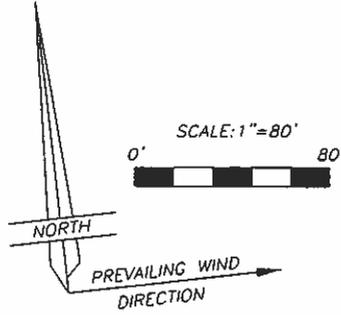
CONFIDENTIAL

# EL PASO E & P COMPANY, L.P.

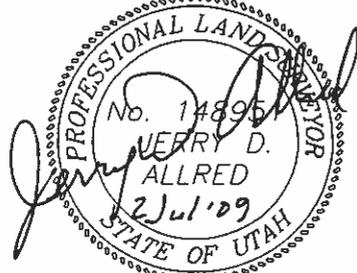
LOCATION LAYOUT FOR  
HURLEY 2-33A1

SECTION 33, T1S, R1W, U.S.B.&M.  
384' FNL, 676' FEL

FIGURE #1



CONFIDENTIAL



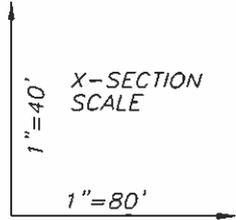
**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS  
1235 NORTH 700 EAST--P.O. BOX 975  
DUCHEсне, UTAH 84021  
(435) 738-5352

APIWellNo:43013501660000

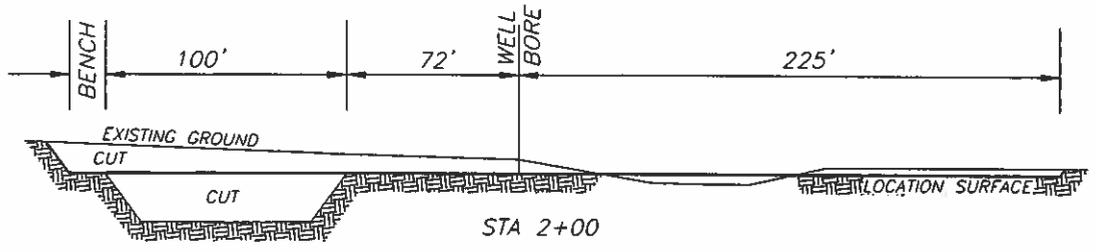
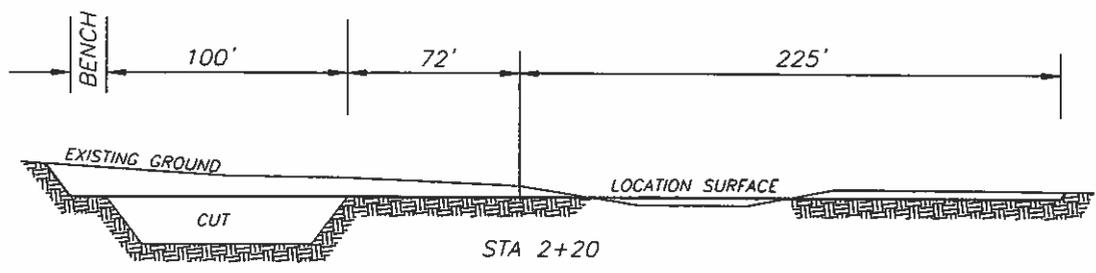
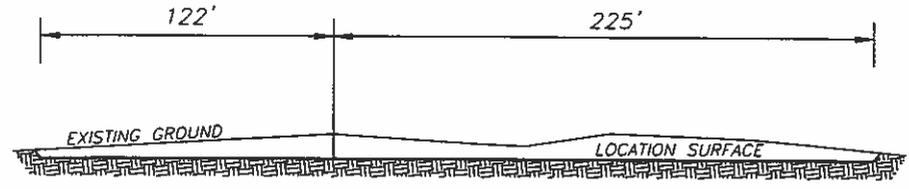
# EL PASO E & P COMPANY, L.P.

FIGURE #2

LOCATION LAYOUT FOR  
 HURLEY 2-33A1  
 SECTION 33, T1S, R1W, U.S.B.&M.  
 384' FNL, 676' FEL



NOTE: ALL CUT/FILL  
 SLOPES ARE 1 1/2:1  
 UNLESS OTHERWISE  
 NOTED



APPROXIMATE YARDAGES

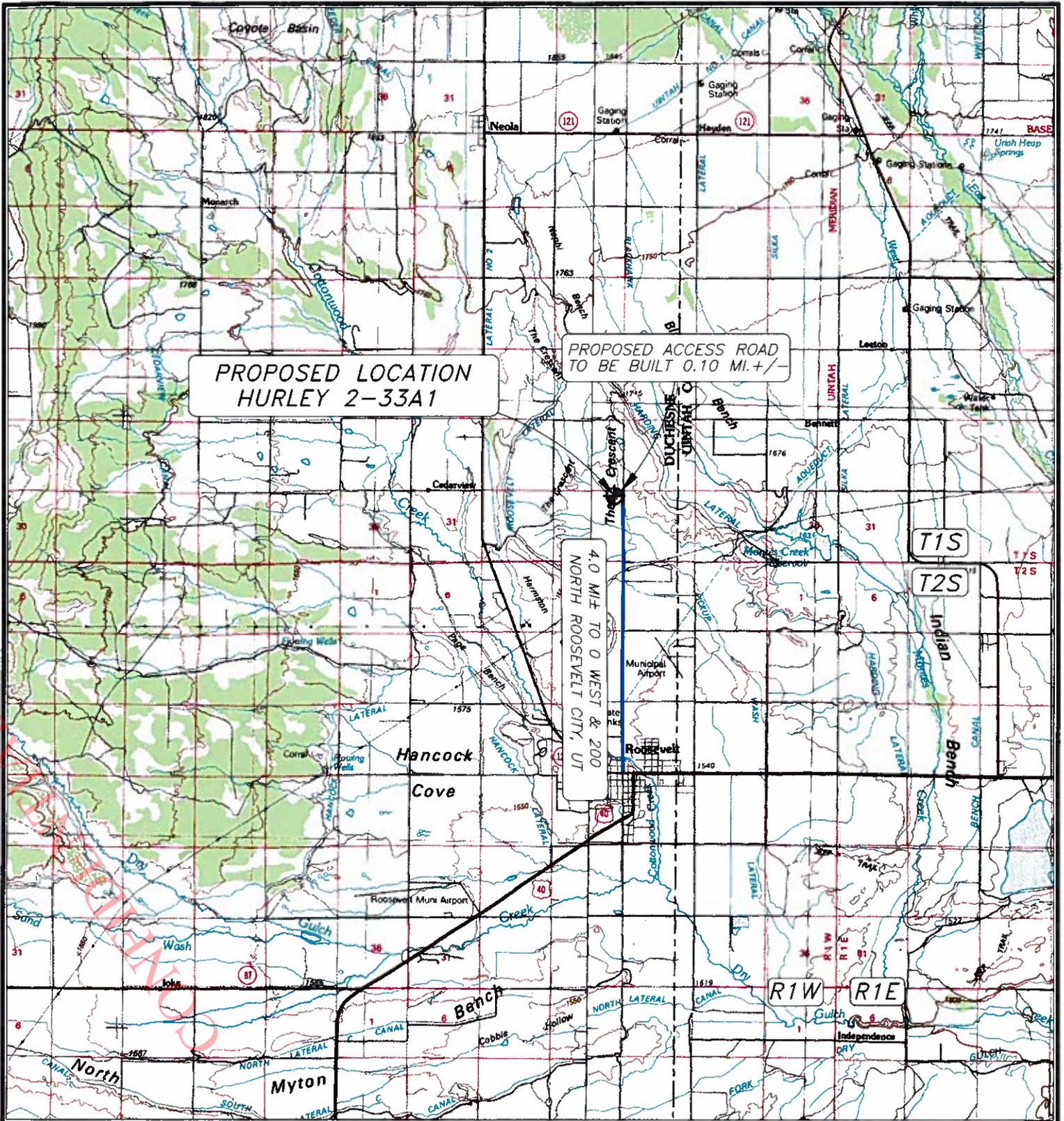
- TOTAL CUT (INCLUDING PIT) = 20,120 CU. YDS.
- PIT CUT = 4250 CU. YDS.
- TOPSOIL STRIPPING: (6") = 3032 CU. YDS.
- REMAINING LOCATION CUT = 12,838 CU. YDS.
- TOTAL FILL = 2544 CU. YDS.



**JERRY D. ALLRED & ASSOCIATES**  
 SURVEYING CONSULTANTS  
 1235 NORTH 700 EAST--P.O. BOX 975  
 DUCHESNE, UTAH 84021  
 (435) 738-5352

APIWellNo:43013501660000

CONFIDENTIAL



**PROPOSED LOCATION  
HURLEY 2-33A1**

**PROPOSED ACCESS ROAD  
TO BE BUILT 0.10 MI. +/-**

**4.0 MI. TO 0 WEST & 200  
NORTH ROOSEVELT CITY, UT**

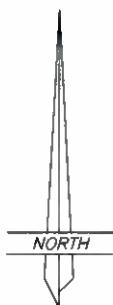
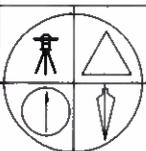
**LEGEND:**

 **PROPOSED WELL LOCATION**

01-128-086

**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESE, UTAH 84021  
(435) 738-5352



**EL PASO E & P COMPANY, L.P.**

**HURLEY 2-33A1**

**SECTION 33, T1S, R1W, U.S.B.&M.**

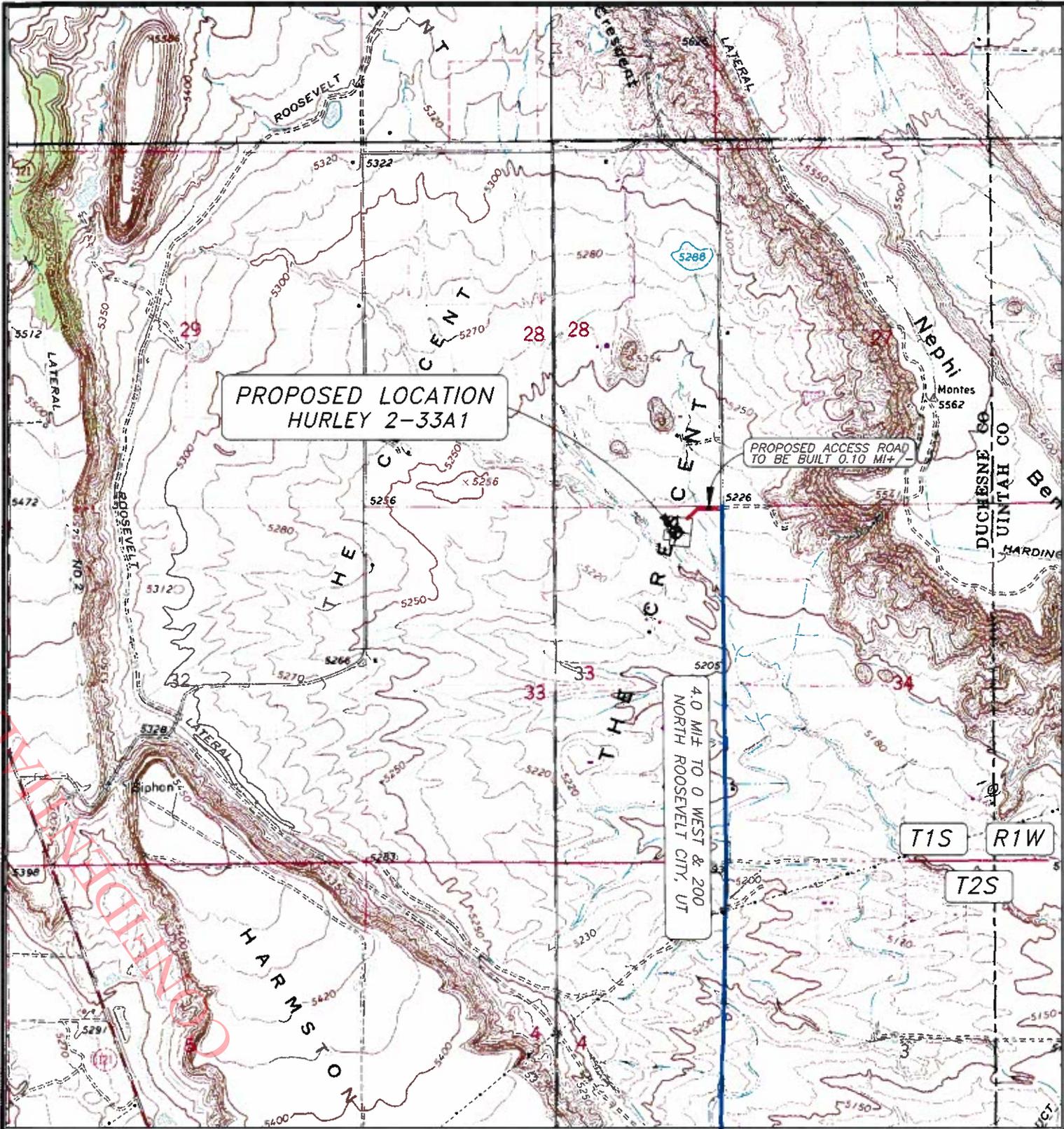
**384' FNL 676' FEL**

**TOPOGRAPHIC MAP "A"**

SCALE; 1"=10,000'

1 JUL 2009

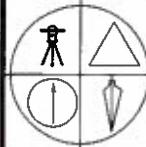
APIWellNo:43013501660000



**LEGEND:**

- PROPOSED WELL LOCATION
- PROPOSED ACCESS ROAD
- EXISTING GRAVEL ROAD
- EXISTING PAVED ROAD

01-128-086



**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCESNE, UTAH 84021  
(435) 738-5352



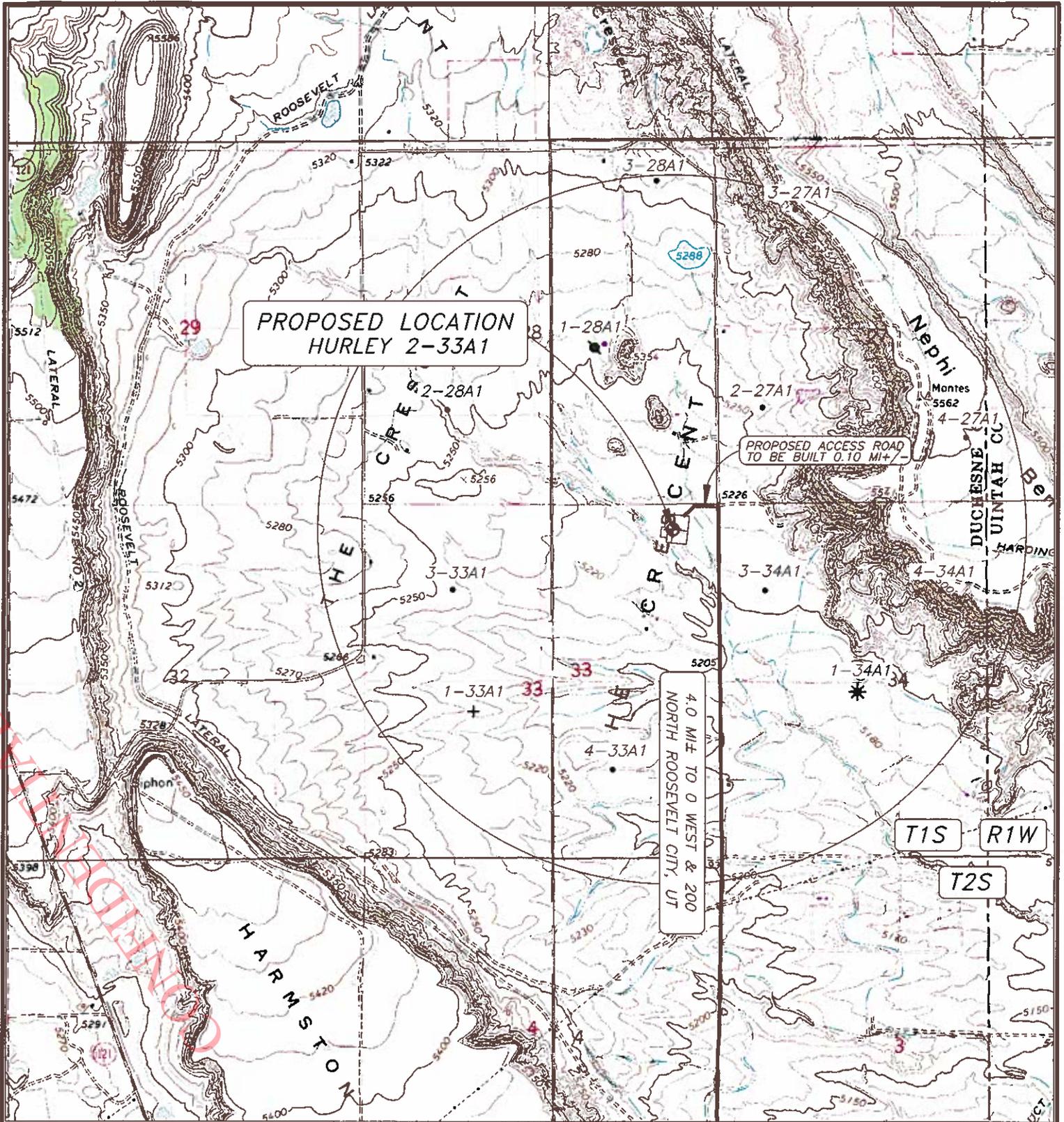
**EL PASO E & P COMPANY, L.P.**

HURLEY 2-33A1  
SECTION 33, T1S, R1W, U.S.B.&M.  
384' FNL 676' FEL

**TOPOGRAPHIC MAP "B"**

SCALE: 1"=2000'  
1 JUL 2009

APIWellNo:43013501660000



**LEGEND:**

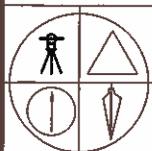
◆ PROPOSED WELL LOCATION

2-25C6

◆ \* + •

OTHER WELLS AS LOCATED FROM  
SUPPLIED MAP

01-128-086



**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHEсне, UTAH 84021  
(435) 738-5352



**EL PASO E & P COMPANY, L.P.**

**HURLEY 2-33A1**

**SECTION 33, T1S, R1W, U.S.B.&M.**

**384' FNL 676' FEL**

**TOPOGRAPHIC MAP "C"**

SCALE; 1"=2000'  
1 JUL 2009

APIWellNo:43013501660000

LOCATION SURFACE USE AREA &  
ACCESS ROAD RIGHT-OF-WAY, PIPE LINE AND POWER LINE  
SURVEY FOR

**EL PASO E & P COMPANY, L.P.**

HURLEY 2-33A1

NE $\frac{1}{4}$ NE $\frac{1}{4}$  SECTION 33, TOWNSHIP 1 SOUTH, RANGE 1 WEST  
UINTAH SPECIAL BASE AND MERIDIAN

USE AREA BOUNDARY

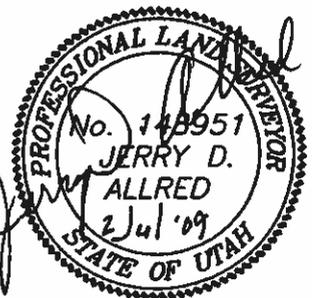
Commencing at the NE Corner of Section 33, Township 1 South, Range 1 West of the Uintah Special Base and Meridian;  
Thence South 35°24'29" West 779.26 feet to the TRUE POINT OF BEGINNING;  
Thence North 83°39'56" West 472.00 feet;  
Thence North 06°20'04" East 475.00 feet;  
Thence South 83°39'56" East 472.00 feet;  
Thence South 06°20'04" West 475.00 feet to the TRUE POINT OF BEGINNING,  
containing 5.15 acres.

ACCESS ROAD, PIPELINE, AND POWER LINE CORRIDOR RIGHT-OF-WAY

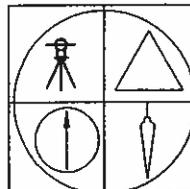
A 66 feet wide access road, pipeline and power line corridor right-of-way over a portion of Section 33, Township 1 South, Range 1 West of the Uintah Special Base and Meridian, the centerline of which being described as follows;  
Commencing at the NE Corner of said section;  
Thence South 00°09'59" East 33.00 feet to the TRUE POINT OF BEGINNING;  
Thence North 89°58'56" West 352.52 feet parallel with the North line of the NE $\frac{1}{4}$  of said section;  
Thence South 46°13'21" West 175.00 feet to the East line of the El Paso E&P Co. Hurley 2-33A1 well location use boundary. Said right-of-way being 527.52 feet in length the sidelines of which being shortened or elongated to meet the use area boundary and existing road right-of-way lines.

SURVEYOR'S CERTIFICATE

This is to certify that this plat was prepared from the field notes and electronic data collector files of an actual survey made by me, or under my personal supervision, of the use area and access road and pipeline corridor right-of-way shown hereon, and that the monuments indicated were found or set during said survey, and that this plat accurately represents said survey to the best of my knowledge.



Jerry D. Allred, Professional Land Surveyor,  
Certificate 148951 (Utah)



**JERRY D. ALLRED AND ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESNE, UTAH 84021  
(435) 738-5352

2 JUL 2009 01-128-086

APIWellNo:43013501660000

CONFIDENTIAL

POSITION OF 1/4 COR  
DETERMINED ON PREVIOUS  
SURVEY

PROPOSED 66 FEET WIDE  
ACCESS ROAD, PIPELINE, &  
POWER LINE CORRIDOR RIGHT-  
OF-WAY

EXISTING FENCE

FOUND MONUMENT SPII  
AT SECTION CORNER O.  
PREVIOUS SURVEY

N 89°58'56" E 2639.87'

3+52.52

SEC 28

SEC 27

5+27.52

L6

L5

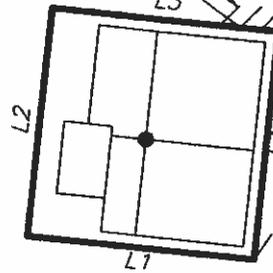
SEC 33

SEC 34

0+00.00

**ELPASO E & P COMPANY, L.P.**

SURFACE USE AREA  
HURLEY 2-33A1  
5.15 ACRES



NE1/4  
NE1/4

COUNTY ROAD

N 00°09'59" W 2629.80'

LINE	BEARING	DISTANCE
L1	N 83°39'56" W	472.00'
L2	N 06°20'04" E	475.00'
L3	S 83°39'56" E	472.00'
L4	S 06°20'04" W	475.00'
L5	S 00°03'08" W	33.00'
L5	S 00°09'59" E	33.00'
L6	N 89°58'56" W	352.52'
L7	S 46°13'21" W	175.00'



SCALE: 1=400'



FOUND MAG NAIL AND  
BRASS WASHER SET BY  
OTHERS AT 1/4 COR

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING  
SYSTEM AN PROCEDURES AND EQUIPMENT.

THE BASIS OF GRID BEARINGS IS GEODETIC NORTH DERIVED  
FROM G.P.S. OBSERVATIONS AT A CONTROL POINT LOCATED  
AT LAT: 40°20'35.626"N AND LONG: 109°59'30.141"W USING  
THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION  
CONTROL NETWORK MAINTAINED AND OPERATED BY THE  
AUTOMATED GEOGRAPHIC REFERENCE CENTER.

APIWellNo:43013501660000

CONFIDENTIAL

**EL PASO E&P COMPANY, L.P.**

**Related Surface Information**

**1. Current Surface Use:**

- Livestock Grazing and Oil and Gas Production.

**2. Proposed Surface Disturbance:**

- The road will be crown and ditch. Water wings will be constructed on the access road as needed.
- The topsoil will be windrowed and re-spread in the borrow area.
- New road to be constructed will be approximately .10 miles in length and 66 feet wide.
- All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

**3. Location Of Existing Wells:**

- Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

**4. Location And Type Of Drilling Water Supply:**

- Drilling water: Roosevelt City Water

**5. Existing/Proposed Facilities For Productive Well:**

- There are no existing facilities that will be utilized for this well.
- There is an existing pipeline close to the location and will tie into it. There will be one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
- Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

**6. Construction Materials:**

- Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

**7. Methods For Handling Waste Disposal:**

- The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
- Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
- Sewage will be handled in Portable Toilets.
- Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.
- Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's

**8. Ancillary Facilities:**

- There will be no ancillary facilities associated with this project.

**9. Surface Reclamation Plans:**

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15<sup>th</sup>, and prior to ground frost, or seed will be planted after the frost has left and before May 15<sup>th</sup>. Slopes too steep for machinery will be hand broadcast and raked with twice the specified amount of seed.
  1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
  2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
  3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.
- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.
  1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
  2. Landowner will be contacted for rehabilitation requirements.

**10. Surface Ownership:**

Charmaine Hurley, Trustee of the Charmaine J. Hurley Trust c/o Clark Allred, Attorney 435-789-7800  
Rt 1, Box 1106  
Roosevelt, UT 84066

**11. Other Information:**

- The surface soil consists of clay, and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

• **Operator and Contact Persons:**

**Construction and Reclamation:**

**El Paso E & P Company**  
**Wayne Garner**  
**PO Box 410**  
**Altamont, Utah 84001**  
**435-454-3394 – Office**  
**435-823-1490 – Cell**

**Regarding This APD**

**El Paso E & P Company**  
**Marie O'Keefe**  
**1099 18<sup>th</sup> St. Ste. 1900**  
**Denver, CO. 80202**  
**303.291.6417 - Office**

**Drilling**

**El Paso E & P Company**  
**Eric Giles – Drilling Manager**  
**1099 18<sup>th</sup> St Ste 1900**  
**Denver, CO 80202**  
**303.291.6446 – office**  
**303.945.5440 - Cell**

October 9, 2009

Mr. Brad Hill  
Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84116

Re: Hurley 2-33A1 Exception Location  
NE/4 of Section 33, T1S-R1W  
Duchesne County, Utah

Dear Brad,

El Paso E&P Company, L.P. ("El Paso") first attempted to contact Ms. Hurley in regards to staking and surveying the Hurley 2-33A1 (the "Well") on March 19, 2009. The Well was to be located at a legal location being 750' from the North line and 930' from the East line of Section 33 ("Original Location").

After several months, and several failed negotiation attempts, Ms. Hurley continued to deny El Paso access onto her land for the purpose of surveying the Original Location. The reason given was the Original Location was in a grove of trees which was home to Bald Eagles and other wildlife.

In order to accommodate Ms. Hurley, El Paso agreed to move the Well to a new location being 384' from the North line and 676' from the East Line of Section 33 ("Exception Location"). Ms. Hurley signed a Survey Access Agreement dated June 22, 2009, and the Exception Location was surveyed on July 2, 2009. A survey plat identifying the Exception Location is attached to the APD.

The Exception Location is directly offsetting the adjacent drilling unit to the north being Section 28, Township 1 South, Range 1 West of which El Paso owns 100% leasehold. Also, El Paso is the only Leasehold owner within a 460' radius of the Exception Location. Therefore, El Paso is requesting administrative approval to drill the Well at the Exception Location.

If you have any questions please contact the undersigned via telephone at 303-291-6408 or via e-mail at [ryan.waller@elpaso.com](mailto:ryan.waller@elpaso.com).

Sincerely,



Ryan Waller  
Associate Landman

API Number: 4301350166  
Well Name: HURLEY 2-33A1  
Township 01.0 S Range 01.0 W Section 33  
Meridian: UBM  
Operator: EL PASO E&P COMPANY, LP

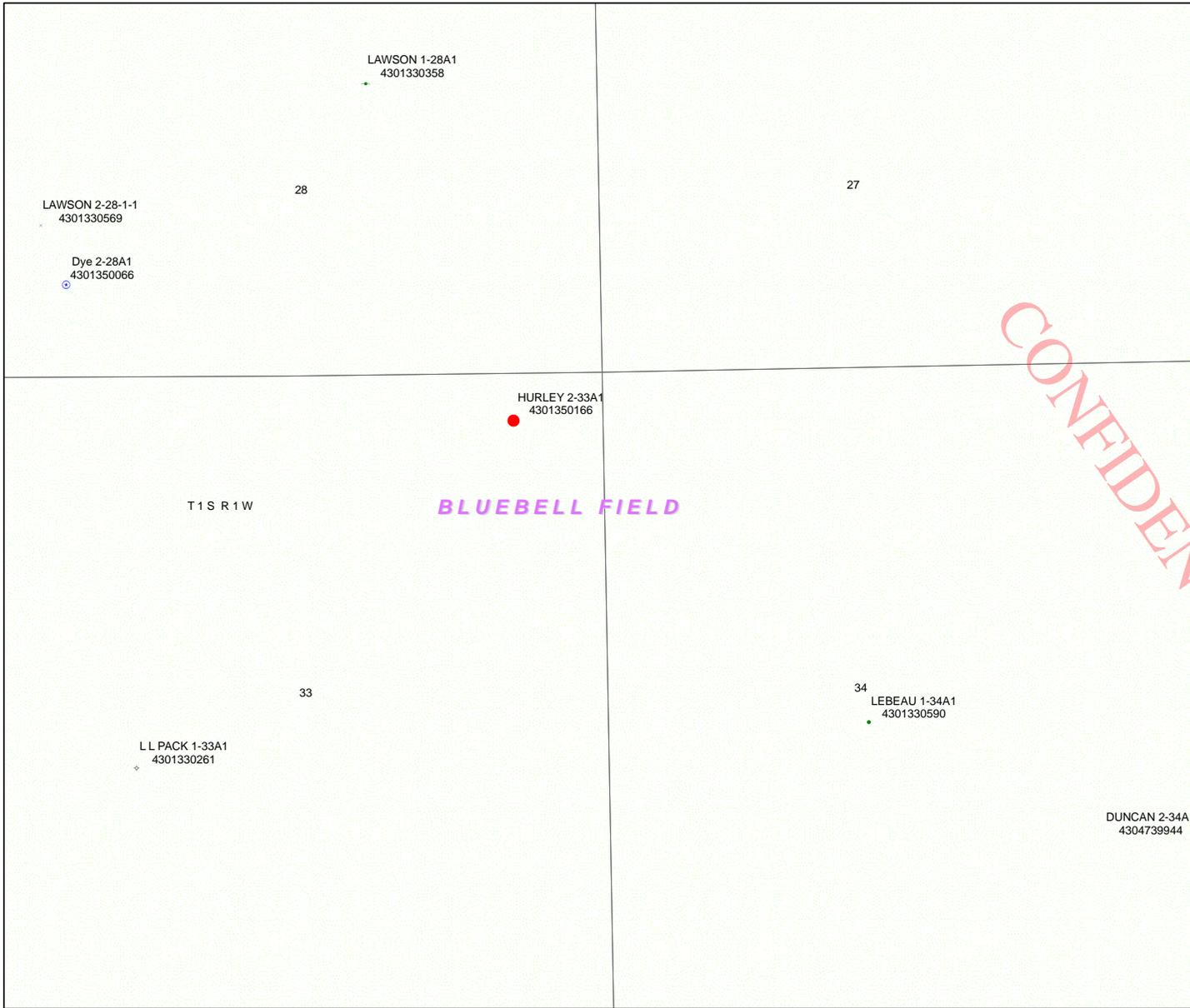
Map Prepared:  
Map Produced by Diana Mason

- ⚡ GAS INJECTION
  - ⦿ GAS STORAGE
  - ✕ LOCATION ABANDONED
  - ⊕ NEW LOCATION
  - ⋄ PLUGGED & ABANDONED
  - ⋆ PRODUCING GAS
  - PRODUCING OIL
  - ⋄ SHUT-IN GAS
  - ⊕ SHUT-IN OIL
  - ✕ TEMP. ABANDONED
  - TEST WELL
  - ▲ WATER INJECTION
  - ◆ WATER SUPPLY
  - ⚡ WATER DISPOSAL
- Units
  - Spacing Index
  - ACTIVE FIELD
  - COMBINED FIELD



0 1 Feet

1:9,717



Well Name	EL PASO E&P COMPANY, LP HURLEY 2-33A1 43013501660000			
String	Cond	Surf	I1	Prod
Casing Size(")	13.375	9.625	7.000	4.500
Setting Depth (TVD)	1650	5578	10023	13500
Previous Shoe Setting Depth (TVD)	0	1650	5578	10023
Max Mud Weight (ppg)	8.9	10.0	10.0	13.5
BOPE Proposed (psi)	500	1000	5000	10000
Casing Internal Yield (psi)	2730	5750	9950	12410
Operators Max Anticipated Pressure (psi)	9126			13.0

Calculations	Cond String	13.375	"
Max BHP (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	764	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	566	NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	401	YES OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	401	NO Reasonable Depth, no expected pressure
Required Casing/BOPE Test Pressure=		1000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

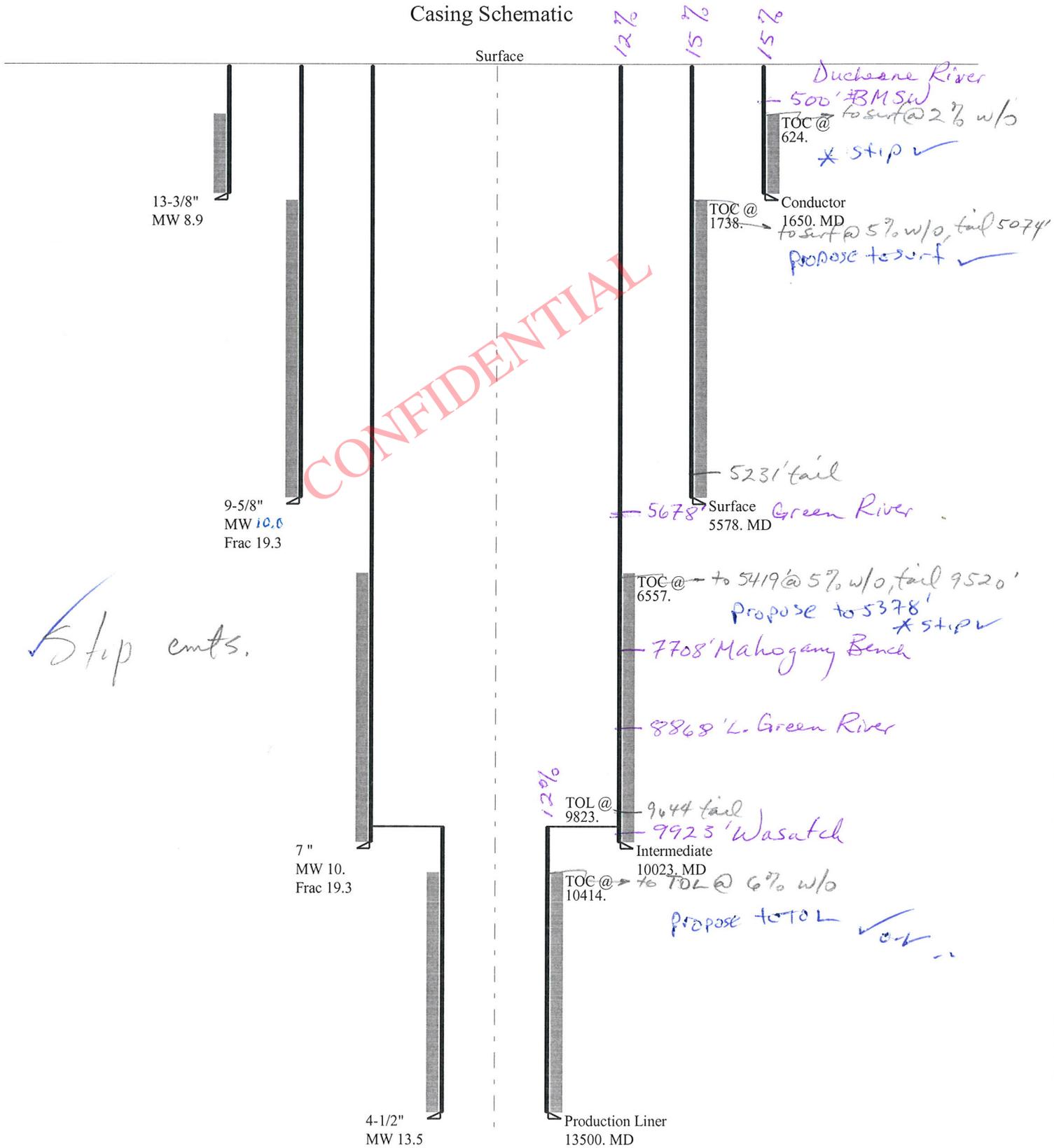
Calculations	Surf String	9.625	"
Max BHP (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	2901	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	2232	NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	1674	NO Common practice in area, no expected pressure
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	2037	NO Reasonable depth
Required Casing/BOPE Test Pressure=		4025	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1650	psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"
Max BHP (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	5212	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	4009	YES
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	3007	YES OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	4234	YES OK
Required Casing/BOPE Test Pressure=		6965	psi
*Max Pressure Allowed @ Previous Casing Shoe=		5578	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	4.500	"
Max BHP (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	9477	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	7857	YES
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	6507	YES OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	8712	YES OK
Required Casing/BOPE Test Pressure=		8687	psi
*Max Pressure Allowed @ Previous Casing Shoe=		9950	psi *Assumes 1psi/ft frac gradient

# 43013501660000 HURLEY 2-33A1

## Casing Schematic



Well name:	<b>43013501660000 HURLEY 2-33A1</b>		
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>		
String type:	Conductor	Project ID:	43-013-50166
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 8.900 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 97 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft  
 Cement top: 624 ft

**Burst**

Max anticipated surface pressure: 565 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP 763 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.70 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

**Non-directional string.**

Tension is based on air weight.  
 Neutral point: 1,433 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1650	13.375	54.50	J-55	ST&C	1650	1650	12.49	20473
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	763	1130	1.481	763	2730	3.58	89.9	514	5.72 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Mining

Phone: 801 538-5357  
 FAX: 801-359-3940

Date: November 30, 2009  
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1650 ft, a mud weight of 8.9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43013501660000 HURLEY 2-33A1</b>		
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>		
String type:	Surface	Project ID:	43-013-50166
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 10.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 152 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 1,738 ft

**Burst**

Max anticipated surface pressure: 3,002 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 4,229 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 4,748 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 10,023 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 5,207 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 5,578 ft  
Injection pressure: 5,578 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	5578	9.625	40.00	N-80	LT&C	5578	5578	8.75	70979
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2898	3090	1.066	4229	5750	1.36	223.1	737	3.30 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801-538-5357  
FAX: 801-359-3940

Date: November 30, 2009  
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 5578 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43013501660000 HURLEY 2-33A1</b>		
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>		
String type:	Intermediate	Project ID:	43-013-50166
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 10.000 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 214 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft

Cement top: 6,557 ft

**Burst**

Max anticipated surface pressure: 6,498 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 8,703 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.70 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on air weight.  
 Neutral point: 8,511 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 13,500 ft  
 Next mud weight: 13.500 ppg  
 Next setting BHP: 9,468 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 10,023 ft  
 Injection pressure: 10,023 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	10023	7	26.00	HCP-110	LT&C	10023	10023	6.151	104189
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5207	7800	1.498	8703	9950	1.14	260.6	693	2.66 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Mining

Phone: 801 538-5357  
 FAX: 801-359-3940

Date: November 30, 2009  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 10023 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43013501660000 HURLEY 2-33A1</b>		
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>		
String type:	Production Liner	Project ID:	43-013-50166
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 13.500 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 263 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

Cement top: 10,414 ft

Liner top: 9,823 ft

**Non-directional string.**

**Burst**

Max anticipated surface pressure: 6,498 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 9,468 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.60 (B)

Tension is based on air weight.  
 Neutral point: 12,763 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3700	4.5	13.50	P-110	LT&C	13500	13500	3.795	20733
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	9468	10680	1.128	9468	12410	1.31	50	338	6.77 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Mining

Phone: 801-538-5357  
 FAX: 801-359-3940

Date: November 30, 2009  
 Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 13500 ft, a mud weight of 13.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

**AFFIDAVIT OF SURFACE USE AGREEMENTS**

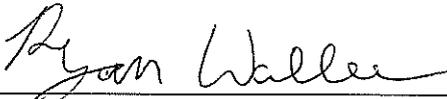
Ryan Waller personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Ryan Waller. I am a Landman for El Paso E&P Company, L.P., whose address is 1099 18<sup>th</sup> Street, Suite 1900, Denver, Colorado 80202 ("El Paso").

2. El Paso is the Operator of the proposed Hurley 2-33A1 well to be located in the NE/4NE/4 of Section 33, Township 1 South, Range 1 West, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Michael Brent Hurley, RR 1 Box 1106, Roosevelt UT 84066 (the "Surface Owners").

3. El Paso and the Surface Owners have entered into surface use agreements covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

  
\_\_\_\_\_  
Ryan Waller

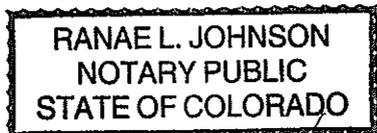
**ACKNOWLEDGEMENT**

STATE OF COLORADO     §  
CITY AND                   §  
COUNTY OF DENVER     §

Before me, a Notary Public, in and for this state, on this 1st day of March, 2010, personally appeared Ryan Waller, to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

  
\_\_\_\_\_  
NOTARY PUBLIC:

My Commission Expires:



My Commission Expires 09/26/2010

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

<b>Operator</b>	EL PASO E&P COMPANY, LP				
<b>Well Name</b>	HURLEY 2-33A1				
<b>API Number</b>	43013501660000	<b>APD No</b>	2122	<b>Field/Unit</b>	BLUEBELL
<b>Location: 1/4,1/4</b>	NENE	<b>Sec</b>	33	<b>Tw</b>	1.0S
		<b>Rng</b>	1.0W	384	FNL 676 FEL
<b>GPS Coord (UTM)</b>	585482 4467905	<b>Surface Owner</b>	SEE RELATED SURFACE INFO		

**Participants**

Floyd Bartlett (DOGM), Duane Davies (El Paso), Byron Moos and John Whitesides (Land Professional INC.), and Mike Hurley (Surface Owner).

**Regional/Local Setting & Topography**

The general area is approximately 4 miles north of Roosevelt, Utah in The Crescent area. The area is characterized by a wide bottom or valley with the principal drainage immediately to the south. This unnamed drainage contains a perennial flow augmented by seepage from irrigation watering. The Crescent is bordered by steep edges of elevated benches that are frequently rimmed with sandstone outcrops. Frequent side swales or small draws lead away from the high benches and some contain seeps or small amounts of flowing water. Access is by existing State of Utah Highways and a Duchesne County road. Approximately 0.10 miles of new construction will be required. Sections of this road may need imported rocky borrow to form a solid base in the sandy soils.

The proposed pad for the Hurley 2-33A1 oil well is in a wide flat bottom area. The site has a slightly dished center within a gentle swale. Fill from all sides will be moved toward the center to construct the pad. This swale is within cut near Corner 7. Here a dike may be needed following construction to keep potential normal drainage from entering the pad. Both the center stake and the reserve pit are in areas of cut. The site is bordered on the south by a gulch that appears to be the main drainage of the Crescent area. The gulch is incised and contains a small stream that appears to be perennial. The selected site is suitable for constructing a pad, drilling and operating a well. Hardening the surface may be required because to the deep sandy loam soil in the area.

Both the surface and minerals are FEE. The Charmaine Hurley Trust owns the surface. Mr. Mike Hurley attended the pre-site evaluation.

**Surface Use Plan**

**Current Surface Use**  
 Grazing  
 Wildlife Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.1	<b>Width</b> 412 <b>Length</b> 450	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?**

**Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

**Flora / Fauna**

Vegetation consists of greasewood, sagebrush, rabbit brush, Russian olive trees and sedges.

Cattle, deer, quail small mammals and birds

**Soil Type and Characteristics**

Soils are a deep sandy loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diverson Required?** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

**Paleo Survey Run?** N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N

CONFIDENTIAL

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>		20	
<b>Distance to Surface Water (feet)</b>		20	
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0	
<b>Distance to Other Wells (feet)</b>	>1320	0	
<b>Native Soil Type</b>	Mod permeability	10	
<b>Fluid Type</b>	Fresh Water	5	
<b>Drill Cuttings</b>	Normal Rock	0	
<b>Annual Precipitation (inches)</b>		0	
<b>Affected Populations</b>			
<b>Presence Nearby Utility Conduits</b>	Not Present	0	
	<b>Final Score</b>	55	1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit 100' x 150' x 10' deep is planned in an area of cut on the southwest corner of the location. A 2-foot freeboard and a 15-foot out side bench are planned. Sensitivity Level is 1. A liner is required. A 20-mil liner is planned. With the sandy soil, a sub-liner may not be needed.

**Closed Loop Mud Required?** N **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?**

**Other Observations / Comments**

Floyd Bartlett  
**Evaluator**

11/6/2009  
**Date / Time**

# Application for Permit to Drill Statement of Basis

3/2/2010

**Utah Division of Oil, Gas and Mining**

Page 1

<b>APD No</b>	API WellNo	Status	Well Type	Surf Owner	CBM
2122	43013501660000	LOCKED	OW	P	No
<b>Operator</b>	EL PASO E&P COMPANY, LP		<b>Surface Owner-APD</b>	SEE RELATED SURFACE INFO	
<b>Well Name</b>	HURLEY 2-33A1		<b>Unit</b>		
<b>Field</b>	BLUEBELL		<b>Type of Work</b>	DRILL	
<b>Location</b>	NENE 33 1S 1W U 384 FNL 676 FEL GPS Coord (UTM) 585456E 4467891N				

**Geologic Statement of Basis**

El Paso proposes to set 1,650 feet of conductor which will be cemented to surface. The surface hole will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 500 feet. A search of Division of Water Rights records indicates that there are over 80 water wells within a 10,000 foot radius of the proposed location. The nearest water well is approximately .25 miles from the proposed site and produces water from a depth of 260 feet. Most of these wells produce water from the Duchesne River Formation and are in the range of 30-1,200 feet deep. Uses indicated are domestic use, stock watering, irrigation and municipal supply. The proposed casing and cementing program should adequately protect the highly used Duchesne River aquifer.

Brad Hill  
**APD Evaluator**

11/9/2009  
**Date / Time**

**Surface Statement of Basis**

The general area is approximately 4 miles north of Roosevelt, Utah in The Crescent area. The area is characterized by a wide bottom or valley with the principal drainage immediately to the south. This unnamed drainage contains a perennial flow augmented by seepage from irrigation watering. The Crescent is bordered by steep edges of elevated benches that are frequently rimmed with sandstone outcrops. Frequent side swales or small draws lead away from the high benches and some contain seeps or small amounts of flowing water. Access is by existing State of Utah Highways and a Duchesne County road. Approximately 0.10 miles of new construction will be required. Sections of this road may need imported rocky borrow to form a solid base in the sandy soils.

The proposed pad for the Hurley 2-33A1 oil well is in a wide flat bottom area. The site has a slightly dished center within a gentle swale. Fill from all sides will be moved toward the center to construct the pad. This swale is within cut near Corner 7. Here a dike may be needed following construction to keep potential normal drainage from entering the pad. Both the center stake and the reserve pit are in areas of cut. The site is bordered on the south by a gulch that appears to be the main drainage of the Crescent area. The gulch is incised and contains a small stream that appears to be perennial. The selected site is suitable for constructing a pad, drilling and operating a well. Hardening the surface may be required because to the deep sandy loam soil in the area.

Both the surface and minerals are FEE. The Charmaine Hurley Trust owns the surface. Mr. Mike Hurley attended the pre-site evaluation. Mr. Davies of ElPaso explained that a recessed entrance is needed where the access road leaves the County road so trailer- trucks could be off the road when stopping to open the property gate. Mr. Hurley requested that the planned fence around the location be a 5-strand barbed wire. Mr. Hurley and Mr. Davies left the site to look at the type of entrance ElPaso commonly constructs. Attorneys for ElPaso and the Hurley Estate are conferring on a surface use agreement.

Floyd Bartlett  
**Onsite Evaluator**

11/6/2009  
**Date / Time**

---

# Application for Permit to Drill Statement of Basis

3/2/2010

Utah Division of Oil, Gas and Mining

Page 2

---

## Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 20 mils shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

CONFIDENTIAL

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

**APD RECEIVED:** 10/15/2009

**API NO. ASSIGNED:** 43013501660000

**WELL NAME:** HURLEY 2-33A1

**OPERATOR:** EL PASO E&P COMPANY, LP (N3065)

**PHONE NUMBER:** 303 291-6417

**CONTACT:** Marie Okeefe

**PROPOSED LOCATION:** NENE 33 010S 010W

**Permit Tech Review:**

**SURFACE:** 0384 FNL 0676 FEL

**Engineering Review:**

**BOTTOM:** 0384 FNL 0676 FEL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.35911

**LONGITUDE:** -109.99362

**UTM SURF EASTINGS:** 585456.00

**NORTHINGS:** 4467891.00

**FIELD NAME:** BLUEBELL

**LEASE TYPE:** 4 - Fee

**LEASE NUMBER:** FEE

**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER-WASATCH

**SURFACE OWNER:** 4 - Fee

**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- PLAT**
- Bond:** STATE/FEE - 400JU0708
- Potash**
- Oil Shale 190-5**
- Oil Shale 190-3**
- Oil Shale 190-13**
- Water Permit:** Roosevelt City Water
- RDCC Review:**
- Fee Surface Agreement**
- Intent to Commingle**

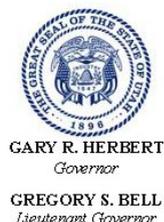
**LOCATION AND SITING:**

- R649-2-3.**
- Unit:**
- R649-3-2. General**
- R649-3-3. Exception**
- Drilling Unit**
- Board Cause No:** Cause 139-84
- Effective Date:** 12/31/2008
- Siting:** 660' fr drl u bdry and 1320' fr other wells
- R649-3-11. Directional Drill**

**Commingleing Approved**

**Comments:** Presite Completed

**Stipulations:**  
1 - Exception Location - bhill  
5 - Statement of Basis - bhill  
8 - Cement to Surface -- 2 strings - hmacdonald  
12 - Cement Volume (3) - ddoucet



# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** HURLEY 2-33A1  
**API Well Number:** 43013501660000  
**Lease Number:** FEE  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 3/3/2010

**Issued to:**

EL PASO E&P COMPANY, LP, 1099 18th ST, STE 1900 , Denver, CO 80202

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**Exception Location:**

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volumes for the 13 3/8" conductor and the 9 5/8" surface casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 5378' (200' inside previous shoe) as indicated in the submitted drilling plan.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

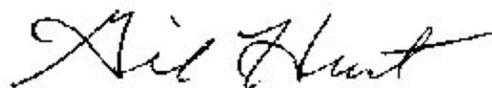
- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**



Gil Hunt  
Associate Director, Oil & Gas

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: EL PASO E&P COMPANY, LP

Well Name: HURLEY 2-33A1

Api No: 43-013-50166 Lease Type: FEE

Section 33 Township 01S Range 01W County DUCHESNE

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

**SPUDDED:**

Date 04/05/2010

Time 9:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by WAYNE GARNER

Telephone # (435) 823-1490

Date 04/05/2010 Signed CHD

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: El Paso E & P Company, LP Operator Account Number: N 3065  
 Address: 1099 18th St. Ste 1900  
city Denver  
state CO zip 80202 Phone Number: (303) 291-6417

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350166	Hurley 2-33A1		NENE	33	1S	1W	DUCHESNE
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	17573	4/5/2010		4/28/10		
Comments: <u>GR-WS</u>							<b>CONFIDENTIAL</b>

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Marie OKeefe

Name (Please Print)

*Marie OKeefe*

Signature

Sr. Regulatory Analyst

Title

4/7/10  
Date

**RECEIVED**

APR 07 2010

(5/2000)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> HURLEY 2-33A1
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP	<b>9. API NUMBER:</b> 43013501660000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th ST, STE 1900 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 291-6417 Ext
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0384 FNL 0676 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 01.0S Range: 01.0W Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> BLUEBELL  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/1/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

EL PASO E & P REQUESTS APPROVAL TO REVISE THE SETTING DEPTH OF THE CONDUCTOR CASING AS APPROVED IN THE PERMIT. BASE OF THE MODERATELY SALINE GROUND WATER IS 513'. EP WOULD LIKE TO CHANGE THE APPROVED DEPTH 1650' TO 600'. SEE ATTACHED WELLBORE DIAGRAM.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** April 20, 2010

**By:** *Derek DeWitt*

<b>NAME (PLEASE PRINT)</b> Marie Okeefe	<b>PHONE NUMBER</b> 303 291-6417	<b>TITLE</b> Sr Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/15/2010



**DRILLING PROGRAM**

**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0' - 600	54.5	J-55	LTC	2,730	1,140	1,399
						5.69	4.06	42.78
SURFACE	9-5/8"	0' - 5578	40.00	N-80	LTC	5,750	4,230	837
						1.29	1.54	2.53
INTERMEDIATE	7"	0' - 10023	26.00	P-110	LTC	9,950	6,230	639
						1.24	1.20	1.99
PRODUCTION LINER	4 1/2"	9823' - 13500	13.50	P-110	LTC	12,410	10,680	338
						5.08	1.13	2.42

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		600	Class G + 3% CaCl <sub>2</sub>	400	10%	15.6 ppg	1.15
SURFACE	Lead	5,078	Premium Lite II Plus, 2% CaCl <sub>2</sub> 0.3% FL52 0.5% Sodium Metasilicate	630	25%	11.0 ppg	3.2
	Tail	500	Class G 50:50 poz, 2% CaCl <sub>2</sub> , 2% gel 0.3% sodium metasilicate	160	25%	14.4 ppg	1.25
INTERMEDIATE	Lead	4,145	CemCRETE Blend 55.9/44.1 (D961/D124) + 0.2 %bwob D65 + 0.2 %bwob D46 + 0.4 %bwob D13 + 0.2 %bwob D167	480	25%	12.49 ppg	1.65
	Tail	500	10:0 RFC (Class G)	60	25%	14.1 ppg	1.62
PRODUCTION LINER		3,677	WellBond Slurry Class G + 35% D66 + 1.6 gps D600G + 0.05 gps D80 + 0.3% D167 + 0.2% D46 + 0.4% D800 + 1% D20	240	25%	14.5 ppg	1.86

**FLOAT EQUIPMENT & CENTRALIZERS**

CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing, and every third joint to surface.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Install bow spring centralizers every 3rd joint.
LINER	Float shoe, 3 joints casing, float collar. Bow spring centralizers on each of first three joints, then every third joint. Thread lock all FE

PROJECT ENGINEER(S): \_\_\_\_\_

MANAGER: Eric Giles

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> HURLEY 2-33A1
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP	<b>9. API NUMBER:</b> 43013501660000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th ST, STE 1900 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 291-6417 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0384 FNL 0676 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 01.0S Range: 01.0W Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> BLUEBELL
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/30/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input checked="" type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EL PASO E & P COMPANY IS CURRENTLY SETTING SURFACE CASING ON THE SUBJECT WELL. WE REQUEST APPROVAL TO EXTEND OUR PERMITTED PROJECTED TD OF 13,500' TO 14,250'. GREG CLARK, EL PASO GEOLOGIST, WANTS TO BE AT THE SAME GEOLOGIC STRATIGRAPHIC DEPTH AS EL PASO'S RECENTLY DRILLED DYE 2-28A1, FOR POTENTIAL ADDITIONAL PAY ZONE.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** August 19, 2010

**By:** *Dark K. Duff*

<b>NAME (PLEASE PRINT)</b> Marie Okeefe	<b>PHONE NUMBER</b> 303 291-6417	<b>TITLE</b> Sr Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/5/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> HURLEY 2-33A1
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP	<b>9. API NUMBER:</b> 43013501660000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th ST, STE 1900 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 291-6417 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0384 FNL 0676 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 01.0S Range: 01.0W Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> BLUEBELL
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/6/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input checked="" type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EL PASO E & P COMPANY RECEIVED VERBAL APPROVAL FROM DAN JARVIS, DOGM, TO SET SURFACE CASING AT 5,000' RATHER THAN 5578'. We are past all predicted water flows and would like to get them behind pipe as quickly as possible. Water flows often lead to unstable hole in this area, and we do not want to risk what we have made or risk the quality of our cement job.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** August 19, 2010  
**By:** *Dan K. Jarvis*

<b>NAME (PLEASE PRINT)</b> Marie Okeefe	<b>PHONE NUMBER</b> 303 291-6417	<b>TITLE</b> Sr Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/5/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> HURLEY 2-33A1
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP	<b>9. API NUMBER:</b> 43013501660000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th ST, STE 1900 , Denver, CO, 80202	<b>9. FIELD and POOL or WILDCAT:</b> BLUEBELL
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0384 FNL 0676 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 01.0S Range: 01.0W Meridian: U	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 10/19/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input checked="" type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

El Paso wishes to deepen intermediate casing to 10,600'. Current permit depth is 10,023, but we are in a hard rock that will not be easy to drill with 6-1/8" bits. Our mud weight is 13.3 ppg right now due to water flow seen earlier in the section, and pore pressure will not exceed 11 ppg by that depth, so we should not have to raise MW to drill that section.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** October 28, 2010  
**By:** *Dark K. Duff*

<b>NAME (PLEASE PRINT)</b> Marie Okeefe	<b>PHONE NUMBER</b> 303 291-6417	<b>TITLE</b> Sr Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/19/2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> HURLEY 2-33A1	
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP	<b>9. API NUMBER:</b> 43013501660000	
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana St. , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 420-5038 Ext	<b>9. FIELD and POOL or WILDCAT:</b> BLUEBELL
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0384 FNL 0676 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 01.0S Range: 01.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 5/31/2011	<input type="checkbox"/> <b>ACIDIZE</b> <input type="checkbox"/> <b>ALTER CASING</b> <input type="checkbox"/> <b>CASING REPAIR</b> <input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b> <input type="checkbox"/> <b>CHANGE TUBING</b> <input type="checkbox"/> <b>CHANGE WELL NAME</b> <input type="checkbox"/> <b>CHANGE WELL STATUS</b> <input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b> <input type="checkbox"/> <b>CONVERT WELL TYPE</b> <input type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>FRACTURE TREAT</b> <input type="checkbox"/> <b>NEW CONSTRUCTION</b> <input type="checkbox"/> <b>OPERATOR CHANGE</b> <input type="checkbox"/> <b>PLUG AND ABANDON</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/> <b>PRODUCTION START OR RESUME</b> <input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b> <input type="checkbox"/> <b>RECOMPLETE DIFFERENT FORMATION</b> <input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b> <input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b> <input type="checkbox"/> <b>TEMPORARY ABANDON</b> <input type="checkbox"/> <b>TUBING REPAIR</b> <input type="checkbox"/> <b>VENT OR FLARE</b> <input type="checkbox"/> <b>WATER DISPOSAL</b> <input type="checkbox"/> <b>WATER SHUTOFF</b> <input type="checkbox"/> <b>SI TA STATUS EXTENSION</b> <input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b> <input type="checkbox"/> <b>OTHER</b>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. As per Notice of Reporting Problems.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 420-5038	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/21/2011	



## EL PASO PRODUCTION

Page 1 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/7/2010	06:00 - 18:00	12.00	D	03		DRILL AND RUN 100' OF CONDUCTOR & CEMENT W/ 500 SX 102 BBLS OF CLASS G CEMENT.
6/24/2010	06:00 - 06:30	0.50	D	01		MIRU PRO PETRO.
	06:30 - 06:00	23.50	D	03		DRILLED F/100' TO 620'. HIT WATER @ 260'.
6/25/2010	06:00 - 10:00	4.00	D	03		SAFETY MEETING. DRILLED F/ 620' TO 680'.
	10:00 - 10:30	0.50	D	05		SAFETY MEETING. DEVIATION SURVEY @ 650' 1 DEGREE.
	10:30 - 13:30	3.00	D	04		SAFETY MEETING. TOOH LD PIPE & BHA.
	13:30 - 16:30	3.00	D	12		SAFETY MEETING. RU RUN 13-3/8" CASING, RAN SHOE, SHOE JOINT, FLOAT COLLAR AND 14 JOINTS (TOTAL JOINTS RUN 15) 13 3/8" 54.5# J-55 STC CASING = 641.44' CENTRILIZED WITH STOP COLLARS FIRST 3 JOINTS THEREAFTER EVERY 3RD JOINT. TOTAL 15 JOINTS RAN SHOE DEPTH = 641.44'. ( EDLON WATKINS TRUCKING HAULED 2 JTS BACK TO ALTAMONT YARD). RELEASED RIG 06/24/2010 @ 18:00 HRS.
	16:30 - 21:00	4.50	D	14		SAFETY MEETING. CEMENT 13-3/8" CASING WITH PRO PETRO. PRESSURE TEST LINES TO 2500 PSI. PUMP 60 BBLS H2O AHEAD GOOD RETURNS 20 BBLS GEL SPACER, MIX AND PUMP 165 BBLS 810 SX 15.8# PREMIUM CEMENT, DROP PLUG PUMP 92.2 BBLS H2O DISPLACEMENT. LANDED PLUG W/ 500/1000 PSI. CHECKED FLOAT GOOD. AFTER PUMPING 20 BBLS CEMENT TO SURFACE. FELL BACK. TOP JOB 20 BBLS 100 SX CEMENT. GOOD CEMENT TO SURFACE AND HELD OK. RELEASED PRO PETRO.
7/30/2010	06:00 - 10:00	4.00	D	01		MOVING RIG OF PETROGLYPH LOCATION.
	10:00 - 10:30	0.50	D	18		SAFETY MEETING WITH RIG CREWS & TRUCKING COMPANY ON LOCATION.
	10:30 - 06:00	19.50	D	01		RU RIG.
7/31/2010	06:00 - 07:30	1.50	D	18		PRE SPUD MEETING & SAFETY MEETING WITH ERIC, DWIGHT, ALEX, BERNIE, RICK & AZTEC CREWS.
	07:30 - 11:30	4.00	D	01		RIG UP RIG. WELDER REPAIRING LEAKS IN PITS.
	11:30 - 18:00	6.50	D	10		RU & NU DIVERTER STACK. CUT & WELD ON DRILLING FLANGE (13 5/8" X 13 3/8" 3000 PSI. TEST FLANGE TO 790 PSI FOR 15 MIN. WELDER REPAIRING LEAKS IN PITS.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING.
	18:15 - 01:00	6.75	D	10		PU & NU DIVERTER STACK. WELD UP FLOW LINE. WELDER REPAIRING LEAKS IN PITS.
	01:00 - 06:00	5.00	D	09		TEST ANNULAR, HCR, HCR VALVE & KILL LINE VALVE 250 PSI LOW 500 HIGH FOR TEN MIN. TEST PASSED.
8/1/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING.
	06:15 - 07:00	0.75	D	15		NIPPLE UP KILL LINES. STRAP BHA #1.
	07:00 - 08:00	1.00	D	18		PRE-SPUD RIG INSPECTION.
	08:00 - 14:30	6.50	D	04		PU & MAKE UP BHA #1 TIH.
	14:30 - 15:00	0.50	D	18		LEVEL RIG.
	15:00 - 18:00	3.00	D	04		TIH TO 566'. TAGGED CEMENT @ 566'.
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING.
	18:15 - 21:00	2.75	D	04		PU KELLY, INSTALL ROTATING HEAD RUBBER, BREAK CIRCULATE. CIRCULATE HOLE.
	21:00 - 22:30	1.50	D	09		PRESSURE TEST CASING 250 PSI LOW FOR 30 MIN. WORK ANNULAR BACK THREE TIMES.
	22:30 - 23:30	1.00	D	13		DRILL CEMENT, FLOAT COLLAR & FLOAT GUIDE SHOE F/ 566' TO 655'.
	23:30 - 23:45	0.25	D	09		CONDUCT F.I.T. TEST @ 660' MUD WT. 8.3 PPG (WATER). ADDED SURFACE PRESS. 243 PSI EQUIV. .8PSI / FT.
	23:45 - 00:30	0.75	D	03		DRILLED F/ 655' TO 729' KB.

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 2 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations	
8/1/2010	00:30 - 00:45	0.25	D	08		CIRCULATE.	
	00:45 - 01:30	0.75	D	04		TOOH FOR FOUR DRILL COLLARS.	
	01:30 - 02:45	1.25	DT	60		PRESSURE TEST STAND PIPE BACK TO PUMPS TO 3000 PSI. REPAIRED LEAKS.	
	02:45 - 04:00	1.25	DT	67		PU 4 - 6 1/2" DC & DP. TIH TO 729'.	
	04:00 - 06:00	2.00	D	03		DRILL F/ 729' TO 909'. DRILLED 180' FOR 2 HRS @ 90 FPH 800 GPM 130 ROTARY 15 TO 30 WT ON BIT.	
	8/2/2010	06:00 - 07:30	1.50	D	03		CREW CHANGE & SAFETY MEETING. DRILL F/ 909' TO 972'. DRILLED 63' FOR 1.5 HRS @ 42 FPH 800 GPM 130 ROTARY 15 TO 25 WT ON BIT.
07:30 - 08:00		0.50	D	05		DEVIATION SURVEY @ 887' .5 DEGREES.	
08:00 - 09:00		1.00	D	03		DRILL F/ 972' TO 1034'. DRILLED 62' FOR 1.0 HRS @ 62 FPH 800 GPM 130 ROTARY 15 TO 25 WT ON BIT.	
09:00 - 10:00		1.00	DT	60		CIRCULATE. REPAIR #1 PUMP SWAB.	
10:00 - 12:30		2.50	DT	65		WORK ON #1 PUMP ROD COOLER PUMP.	
12:30 - 14:00		1.50	D	03		DRILL F/ 1034' TO 1128'. DRILLED 94' FOR 1.5 HRS @ 63 FPH 800 GPM 130 ROTARY 15 TO 25 WT ON BIT.	
14:00 - 15:00		1.00	DT	65		REPLACE PASON BIT TRACER LINE.	
15:00 - 18:00		3.00	D	03		DRILL F/ 1128' TO 1315'. DRILLED 187' FOR 3 HRS @ 62 FPH 800 GPM 130 ROTARY 15 TO 25 WT ON BIT. SMALL FLOW FROM 1160'.	
18:00 - 18:15		0.25	D	18		CREW CHANGE & SAFETY MEETING.	
18:15 - 22:00		3.75	D	03		DRILL F/ 1315' TO 1600'. DRILLED 285' FOR 3.75 HRS @ 76 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. SMALL FLOW FROM 1160'.	
22:00 - 22:30		0.50	D	05		DEVIATION SURVEY @ 1514' .75 DEGREES.	
22:30 - 01:30		3.00	D	03		DRILL F/ 1600' TO 1942'. DRILLED 342' FOR 3 HRS @ 114 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. SMALL FLOW FROM 1160'.	
01:30 - 02:00		0.50	D	05		DEVIATION SURVEY @ 1857' .75 DEGREES	
02:00 - 03:00		1.00	D	03		DRILL F/ 1942' TO 2037'. DRILLED 95' FOR 3 HRS @ 95 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. SMALL FLOW FROM 1160'.	
03:00 - 04:00		1.00	DT	60		X-O SWAB AND LINER GASKET IN #1 PUMP.	
04:00 - 06:00		2.00	D	03		DRILL F/ 2037' TO 2224'. DRILLED 187' FOR 2 HRS @ 93.5 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. SMALL FLOW FROM 1160' @ 2 GPM.	
8/3/2010		06:00 - 06:15	0.25	D	18		CREW CHANGE. SAFETY MEETING.
		06:15 - 06:30	0.25	D	03		DRILL F/ 2224' TO 2256'. DRILLED 32' FOR 1/4 HRS @ 128 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. SMALL FLOW FROM 1160' @ 8 TO 10 GPM.
	06:30 - 07:00	0.50	D	05		DEVIATION SURVEY @ 2170' 3/4 DEGREE.	
	07:00 - 07:30	0.50	DT	60		CIRCULATE. X/O SWAB #1 PUMP.	
	07:30 - 08:00	0.50	D	03		DRILL F/ 2256' TO 2287'. DRILLED 31' FOR 1/2 HRS @ 62 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. FLOW FROM 1160' @ 10 TO 12 GPM.	
	08:00 - 12:30	4.50	DT	65		CIRCULATE. REFACE #1 PUMP LINER. RE-ASSEMBLE PUMP.	
	12:30 - 16:30	4.00	D	03		DRILL F/ 2256' TO 2571'. DRILLED 315' FOR 4 HRS @ 78.75 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. FLOW FROM 1160' @ 20 GPM.	
	16:30 - 17:00	0.50	D	08		CIRCULATE FOR SURVEY.	
	17:00 - 17:30	0.50	D	05		DEVIATION SURVEY @ 2476' 1/4 DEGREE.	
	17:30 - 18:00	0.50	D	03		DRILL F/ 2571' TO 2634'. DRILLED 63' FOR 1/2 HRS @ 126 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. FLOW FROM 1160' @ 20 GPM.	
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING.	
	18:15 - 21:00	2.75	D	03		DRILL F/ 2634' TO 2918'. DRILLED 284' FOR 2.75 HRS @ 103.27 FPH	

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 3 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/3/2010	18:15 - 21:00	2.75	D	03		770 GPM, 2420 PSI, 122 ROTARY, 15 TO 25 WT ON BIT. FLOW FROM 1160' @ 30 GPM.
	21:00 - 21:30	0.50	D	05		DEVIATION SURVEY @ 2832' 1.75 DEGREES.
	21:30 - 22:30	1.00	D	06		X-O SHAKER SCREENS.
	22:30 - 03:00	4.50	D	03		DRILL F/ 2918' TO 3234'. DRILLED 316' FOR 4.5 HRS @ 70.22 FPH 770 GPM, 2420 PSI, 122 ROTARY, 15 TO 19 WT ON BIT. BIT TORQUE UP BACK OFF ON WEIGHT. FLOW FROM 1160' @ 30 GPM.
	03:00 - 03:30	0.50	D	05		DEVIATION SURVEY @ 3149' .75 DEGREES.
	03:30 - 05:30	2.00	D	03		DRILL F/ 3234' TO 3359'. DRILLED 125' FOR 2 HRS @ 62.5 FPH 770 GPM, 2420 PSI, 122 ROTARY, 19 TO 23 WT ON BIT. FLOW FROM 1160' @ 30 GPM.
8/4/2010	05:30 - 06:00	0.50	D	06		RIG SERVICE.
	06:00 - 06:15	0.25	D	18		CREW CHANGE. SAFETY MEETING.
	06:15 - 07:30	1.25	DT	60		CIRCULATE. GO THROUGH # 2 PUMP.
	07:30 - 08:30	1.00	D	03		DRILL F/ 3359' TO 3422'. DRILLED 63' FOR 1 HRS @ 63 FPH 770 GPM, 2420 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 GPM.
	08:30 - 09:00	0.50	DT	60		REPAIR #1 PUMP.
	09:00 - 10:00	1.00	D	03		DRILL F/ 3422' TO 3498'. DRILLED 76' FOR 1 HRS @ 76 FPH 770 GPM, 2420 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 GPM.
	10:00 - 15:00	5.00	DT	65		CIRCULATE. WAIT ON WELDER. WELD LEAK ON #1 PUMP DISCHARGE LINE. SUB SINKING ON OFF DRILLERS SIDE. WORK ON FILLING CELLAR WITH ROAD BASE.
	15:00 - 17:00	2.00	DT	65		REPLACE ROTATING HEAD RUBBER WITH 2 3/8" BORE HOLE. WORK ON FILLING CELLAR WITH ROAD BASE.
	17:00 - 18:00	1.00	D	03		DRILL F/ 3498' TO 3534'. DRILLED 36' FOR 1 HRS @ 36 FPH 770 GPM, 2420 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 GPM. WORK ON FILLING CELLAR WITH ROAD BASE.
	18:00 - 20:00	2.00	DT	65		CREW CHANGE & SAFETY MEETING. WORK ON #1 PUMP OVER HEATING.
	20:00 - 23:00	3.00	D	03		DRILL F/ 3534' TO 3770'. DRILLED 236' FOR 3 HRS @ 78.67 FPH 750 GPM, 2858 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 GPM.
	23:00 - 23:30	0.50	D	05		DEVIATION SURVEY @ 3684' .250 DEGREES.
	23:30 - 03:30	4.00	D	03		DRILL F/ 3770' TO 4093'. DRILLED 323' FOR 4 HRS @ 80.75 FPH 760 GPM, 2906 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 GPM.
	8/5/2010	03:30 - 04:00	0.50	DT	65	
04:00 - 06:00		2.00	D	03		DRILL F/ 4093' TO 4181'. DRILLED 88' FOR 2 HRS @ 44 FPH 760 GPM, 2906 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 GPM.
06:00 - 06:15		0.25	D	18		CREW CHANGE. SAFETY MEETING.
06:15 - 07:00		0.75	D	03		DRILL F/ 4181' TO 4244'. DRILLED 63' FOR 1 HRS @ 63 FPH 683 GPM, 2544 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 TO 40 GPM.
07:00 - 07:30		0.50	D	05		DEVIATION SURVEY @ 4190' .250 DEGREES.
07:30 - 09:30		2.00	D	03		DRILL F/ 4244' TO 4339'. DRILLED 95' FOR 2 HRS @ 47.5 FPH 683 GPM, 2544 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 TO 40 GPM.
09:30 - 10:00		0.50	DT	60		RIG REPAIRS. REPAIR CROWN-OMATIC.
10:00 - 18:00		8.00	D	03		DRILL F/ 4339' TO 4747'. DRILLED 408' FOR 8 HRS @ 51 FPH 683

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 4 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Spud Date: 4/7/2010  
 Start: 3/31/2010  
 End: 11/22/2010  
 Rig Release: 11/22/2010  
 Group:  
 Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations	
8/5/2010	10:00 - 18:00	8.00	D	03		GPM, 2544 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 TO 40 GPM.	
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING.	
	18:15 - 19:00	0.75	D	03		DRILL F/ 4747' TO 4779'. DRILLED 32' FOR .75 HRS @ 42.67 FPH 683 GPM, 2544 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 TO 40 GPM.	
	19:00 - 19:30	0.50	D	05		DEVIATION SURVEY @ 4724' .75 DEGREES.	
	19:30 - 23:00	3.50	D	03		DRILL F/ 4779' TO 4888'. DRILLED 109' FOR 3.5 HRS @ 31.14 FPH 683 GPM, 2544 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 TO 40 GPM.	
	23:00 - 23:45	0.75	D	08		CIRCULATE HOLE CLEAN.	
	23:45 - 05:00	5.25	D	04		PUMP 12 JOINTS OUT OF HOLE.	
	05:00 - 06:00	1.00	D	04		PUMP 30 BBL PILL TOO. H.	
	8/6/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE. SAFETY MEETING.
		06:15 - 10:30	4.25	D	04		TOOH LD TORQUE BUSTER & BIT #1.
10:30 - 12:30		2.00	D	04		PU MU BIT #2 TIH TO 500'.	
12:30 - 13:45		1.25	DT	60		CHANGE OUT KELLY SPINNER AIR MOTORS & SWIVEL PACKING.	
13:45 - 14:15		0.50	D	06		RIG SERVICE.	
14:15 - 18:00		3.75	D	04		TIH F/ 500' TO 3515'.	
18:00 - 18:15		0.25	D	18		CREW CHANGE. SAFETY MEETING.	
18:15 - 06:00		11.75	DT	56		RIH F/3515' WASH & REAM EVERY OTHER TO EVERY THIRD JOINT.	
8/7/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE. SAFETY MEETING.	
	06:15 - 15:30	9.25	DT	56		RIH WASH AND REAM F/3515'.	
	15:30 - 17:45	2.25	D	03		DRILL F/ 4888' TO 4916'. DRILLED 28' FOR 2.25 HRS @ 12.44 FPH 720 GPM, 2695 PSI, 127 ROTARY, 47 WT ON BIT.	
	17:45 - 19:00	1.25	DT	60		REPAIR #1 PUMP TWO SWABS OUT.	
	19:00 - 02:00	7.00	D	03		DRILL F/ 4916'-5008'	
	02:00 - 02:30	0.50	DT	60		CHANGE SWAB ON # 1 PUMP	
	02:30 - 03:45	1.25	D	03		DRILL F/ 5008'-5025'	
	03:45 - 05:00	1.25	DT	60		CHANGE OUT SUCTION HOSE	
	05:00 - 06:00	1.00	D	03		DRILL F/ 5025'-5037'	
	8/8/2010	06:00 - 06:15	0.25	D	03		CREW CHANGE & SAFETY MEETING ON CIRCULATING AND TRIP FOR A WIPPER TRIP. TD SURFACE @ 0600 A.M. 8-7-2010 @ 5037' KB, 5023' GL. NOTIFIED DENNIS WITH STATE OF UTAH ON TD, RUN CSG & CMT.
06:15 - 18:00		11.75	DT	55		CIRCULATE & CONDITION MUD WITH 15% LCM. CHECK @ 1800 HRS MUD WT 10.8 PPG 43 VIS 15% LCM 3 GPM FLOW.	
18:00 - 19:00		1.00	DT	55		CIRC & CONDITION MUD, PUMP DOWN HOLE W/ 15 % LCM, 11.5 PPG MUD, PUMPS DOWN 2800 STROKES LEFT TILL HEAVEY MUD TO SURFACE.	
19:00 - 20:30		1.50	DT	60		REPAIR SUCTION HOSES ON PUMPS.	
20:30 - 23:15		2.75	DT	60		PULL PUMPS APART, CLEAN & REPLACE PUMP VALVE, LCM UNDER ONE VALVE.	
23:15 - 01:30		2.25	DT	55		RESOME PUMPING, FLUID RETURNS 10.3 PPG W/ 36 VIS. STOP PUMP, SHUT IN WELL. CSG PRESSURE TSTM, WELL WILL FLOW, SHUT IN.	
01:30 - 06:00		4.50	DT	55		INCREASE DENSITY TO 11.5 PPG, VIS TO 45.	
8/9/2010		06:00 - 07:00	1.00	D	08		CREW CHANGE. SAFETY MEETING ON WIPER TRIP & CONDITIONING MUD. CIRCULATE & CONDITION MUD TO 11.6 PPG 46 VIS. FLOW CHECK NO FLOW.
	07:00 - 15:30	8.50	D	04		WIPER TRIP TO 600'. NO FLOWS.	
	15:30 - 16:30	1.00	D	08		CIRCULATE & CONDITION MUD. 11.6 PPG 46 VIS. FLOW CHECK	

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 5 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/9/2010	15:30 - 16:30	1.00	D	08		NO FLOW.
	16:30 - 23:00	6.50	D	04		TOOH LD DP & BHA #2.
	23:00 - 01:00	2.00	D	04		LAY OUT JARS, 8" DC, TBR, SHOCK SUB & MOTOR
	01:00 - 01:30	0.50	D	12		CLEAN FLOOR, SAFETY MEETING RIG UP POWER TONGS,
	01:30 - 06:00	4.50	D	12		RUN 114 JTS 9 5/8" 40 LB N-80 LT&C LANDED @ 5018 FT. MINUS 3 FT BOVE KB, MINUS KB 14 FT = 5004 FT GROUND LEVEL.
8/10/2010	06:00 - 12:15	6.25	D	12		RUN 114 JTS 9 5/8" 40# N-80 LT&C LANDED @ 5021' MINUS 3' ABOVE KB (5018' KB), MINUS KB 14' = 5004' GROUND LEVEL. RD & RELEASE WEATHERFORD CASING CREW. JENKINS (MIKE)
	12:15 - 17:00	4.75	D	14		TRUCKING HAULED 15 JTS 9 5/8" N-80 40# LTC CASING BACK TO ALTAMONT YARD ON 8-9-2010 INVOICE #2763.
	17:00 - 20:00	3.00	D	15		CEMENT 9 5/8" 40# N-80 LTC SURFACE CASING WITH 20 BBLS FRESH WATER, 20 BBLS 12.2# MUD PUSH, LEAD CEMENT 12.5# (35:65-70 PLUS CEMNET: 2# BBL) 483 BBLS (1370 SKS) AT 12.5 PPG YEILD 1.98 FT3/SK WATER 11.074 GAL/SK, TAIL CEMENT 14.2# 10:0 RFC 60 BBLS (205 SKS) AT 14.2 PPG YEILD 1.61 FT3/SK WATER 8.068 GAL/SK. DROP PLUG ON THE FLY. DISPLACE WITH 376 BBLS OF PIT WATER. BUMP PLUG FROM 1138 PSI AT 2.1 BPM TO 1707 PSI. HELD PRESSURE FOR 20 MIN. BLEED PRESSURE OFF. FLOATS HOLDING. 10 BBLS CEMENT RETURNS. RIG DOWN SCHLUMBERGER. RD & RELEASE SCHLUMBERGER.
8/10/2010	20:00 - 06:00	10.00	D	01		ND STACK SET C-21 13 5/8" X 9 5/8" SLIPS W/ 65000lbs ON SLIPS. ROUGH CUT 9 5/8" CASING. HANG DIVERTER STACK.
	06:00 - 06:00					RIG DOWN RIG. RIG RELEASED F/ HURLEY 2-33A1 @ 1159 HRS 8-9-2010.
8/11/2010	06:00 - 06:00					8/8/2010 RIG DOWN 8/9/2010 LOWER DERRICK, INSPECTIONS ON TOP DRIVE, WORK ON PRE MIX TANK. 8/10/2010 WAIT ON LOCATION
8/12/2010	06:00 - 06:00	24.00	D	01		MOVE CAMP TO HURLEY 2-33A1 LOCATION. SET OUT RIG.
	06:00 - 18:00	12.00	D	18		PRE JOB SAFETY MEETING WITH RW JONES, VALLEY CREST CRANE, PRECISION DRILLING, AND BOTH COMPANY MEN.TAKE DERRICK OFF OF FLOOR AND SPLIT. PREPARE SUB AND HOSED FOR LONG HIWAY MOVE. MOVE TO NEW LOCATION. WAIT ON EQUIPMENT TO SET NEW CELLAR RING, REPLACE DEEP MUD WITH DRY, WORK LOCATION WITH CAT AND LEVEL.
8/13/2010	18:00 - 06:00	12.00	D			WAIT ON DAYLIGHT
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING ON RAISING DERRICK
	06:15 - 09:00	2.75	D	01		PREPARE DERRICK FOR RAISING AND RAISE DERRICK
	09:00 - 10:30	1.50	D	01		RIG UP WINCHES
	10:30 - 12:00	1.50	D	01		SPOT BOP'S INSIDE SUBSTRUCTURE
	12:00 - 13:00	1.00	D	01		RIG UP FLOOR
	13:00 - 14:00	1.00	D	15		CUT OFF 13-3/8" HEAD, REMOVE SLIPS
	14:00 - 15:00	1.00	D	01		BRIDAL DOWN AND TIE OFF LINES
	15:00 - 16:15	1.25	D	15		INSTALL 9-5/8" HEAD, INSTALL "B" SECTION AND 2 HOLE, PRE HEAT AND WELD ON HEAD. STRING UP SERVICE LOOP FOR TOP DRIVE.
	16:15 - 18:00	1.75	D	01		RIG UP TOP DRIVE.
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (RIG UP TOP DRIVE)
18:15 - 00:00	5.75	D	01		RIG UP TOP DRIVE.	
00:00 - 00:15	0.25	D	15		SAFETY MEETING ON NIPPLE UP BOP STACK.	
00:15 - 06:00	5.75	D	10		NIPPLE UP BOP STACK.	

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 6 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/14/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING. (NIPPLING UP BOP'S)
	06:15 - 12:30	6.25	D	10		NIPPLE UP BOP'S, TIGHTEN WITH HYDRAULIC WRENCH, INSTALL FLOW LINE, ROTATING HEAD, (START PRESS TESTING MANIFOLD)
	12:30 - 18:00	5.50	D	15		INSTALL ROTATING HEAD AND MODIFY FLOWLINE TO FIT. (PRESSURE TEST MANIFOLD, 250 PSI LOW/ 5,000 PSI HIGH, 10 MIN/ TEST.)
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (PRESSURE TESTING BOP'S)
	18:15 - 22:15	4.00	D	15		MODIFY FLOWLINE TO FIT BOP STACK W/ ROTATING HEAD.
	22:15 - 22:30	0.25	D	09		RIG TO PRESSURE TEST BOP STACK AND RELATED EQUIPMENT.
	22:30 - 22:45	0.25	D	18		PRE JOB SAFETY MEETING (PRESSURE TESTING BOP STACK)
	22:45 - 00:00	1.25	D	09		PRESSURE TEST BOP STACK. LEAK NOTED BETWEEN "B" SECTION SPOOL AND LOWER PIPE RAMS. TIGHTENED UP NUTS W/ HAMMER WRENCH.
	00:00 - 03:30	3.50	D	15		RIG UP FLARE LINES/ DEGASSER LINES TO FLARE TANK. TIGHTEN UP NUTS BETWEEN "B" SECTION SPOOL AND LOWER PIPE RAMS. NOTED LEAK.
	03:30 - 06:00	2.50	DT	54		NIPPLE DOWN FLOWLINE, NIPPLE DOWN ROTATING HEAD, AND REMOVE BOLTS BETWEEN "B" SECTION SPOOL AND LOWER PIPE RAMS TO INSPECT & REPLACE RING GASKET.
8/15/2010	06:00 - 06:15	0.25	DT	54		PRE TOUR SAFETY MEETING. (NIPPLE DOWN BOP)
	06:15 - 07:00	0.75	DT	54		NIPPLE DOWN BOP
	07:00 - 08:45	1.75	DT	54		NIPPLE UP BOP.
	08:45 - 18:00	9.25	D	09		PRESS TEST ALL BOP SYSTEM AND MANIFOLD 250 PSI LOW AND 5000 PSI HIGH.
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING. (JSA # 40 PICK UP BHA.)
	18:15 - 22:30	4.25	D	09		FINISH PRESS TESTING ALL BOP SYSTEM 250 PSI LOW, 5000 PSI HIGH. PRESS TEST STAND PIPE TO 250 PSI LOW, 4000 PSI HIGH. PRESS TEST CSG TO 1500 PSI FOR 30 MIN.
	22:30 - 22:45	0.25	D	10		INSTALL WEAR BUSHING
	22:45 - 00:30	1.75	DT	54		NIPPLE UP ROTATING HEAD & MAKE UP FLOW LINE
8/16/2010	00:30 - 04:15	3.75	D	04		PUT BHA ON PIPE RACK & MEASURE.
	04:15 - 06:00	1.75	D	04		MAKE UP BHA.
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING. ( PICK UP DP)
	06:15 - 11:45	5.50	D	04		MAKE UP BHA, DIRECTIONAL TOOLS.
	11:45 - 13:00	1.25	D	04		PICK UP DRILL PIPE
	13:00 - 14:00	1.00	D	04		DRIFT & STRAP PIPE
	14:00 - 14:30	0.50	D	04		INSTALL ROTATING RUBBER
	14:30 - 18:00	3.50	D	04		PICK UP DRILL PIPE to 3532'
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIPPING W/O PIPE SPINNER)
	18:15 - 19:45	1.50	D	04		PICK UP PIPE F/ 3532' TO 4966FT. TAGGED CEMENT AT 4966'.
	19:45 - 21:00	1.25	D	13		DRILL CEMENT 4966' - 4994'. DRILLED FLOAT COLLAR AT 4972
	21:00 - 21:15	0.25	D	06		RIG SERVICE. GREASE TOP DRIVE, SWIVEL, BLOCKS. FUNCTION ANNULAR - C/O - 18 SECONDS.
	21:15 - 21:30	0.25	D	09		BOP DRILL W/CREW. WELL SECURE, MEN IN POSITION - 95 SECONDS.
	21:30 - 22:15	0.75	D	13		DRILL CEMENT F/ 4994' - 5021'. CASING SHOE AT 5021'.
22:15 - 23:00	0.75	D	03		DRILL 8 3/4" HOLE F/ 5021' - 5031'.	
23:00 - 23:15	0.25	D	09		SAFETY MEETING ON FIT TEST.	
23:15 - 00:00	0.75	D	08		CIRCULATE HOLE CLEAN PRIOR TO FIT TEST.	
00:00 - 01:00	1.00	D	09		CONDUCTED FIT. WEATHERFORD USED PRESSURE TEST EQUIPMENT TO INCREASE PRESSURE ON ANNULUS. DENSITY OF WATER IN WELL-BORE: 8.4 LB/GAL. UPPER LIMIT FOR FIT: 0.8	

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 7 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/16/2010	00:00 - 01:00	1.00	D	09		PSI/FT GRADIENT EQUALS APPLIED SURFACE PRESSURE OF 1824 PSI. PRESSURE BUILT PROGRESSIVELY WITH NO SIGN OF DROP-OFF THROUGH OUT TEST. SHUT DOWN AT 1840 PSI. HELD FOR 2 MINUTES, THEN BLED OFF. WITH 0.8 PSI/FT GRADIENT, EQUIVALENT MUD WEIGHT OF 15.38 LB/GAL.
	01:00 - 05:00	4.00	D	03		DRILL 8 3/4" HOLE F/ 5031' TO 5242'. PUMPED AT 433 GPM UNTIL 5117', WHEN INCREASED PUMP OUTPUT TO 600 GPM. ROTATED AT 20 RPM - TO 5180', THEN INCREASED TO 50 RPM. WOB - 5 - 6
	05:00 - 06:00	1.00	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
8/17/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING (CONNECTIONS)
	06:15 - 10:30	4.25	D	03		DRILL F/ 5242'-5487'
	10:30 - 10:45	0.25	D	06		RIG SERVICE. FUNCTION ANNULAR
	10:45 - 17:00	6.25	D	03		DRILL F/ 5487'-5872'
	17:00 - 17:15	0.25	D	18		BOP DRILL, MEN IN POSTION 100 SEC.
	17:15 - 18:00	0.75	D	05		SURVEY & CONNECTION TIME
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING ( 90' CONNECTIONS)
	18:15 - 23:15	5.00	D	03		DRILL 8 3/4" HOLE F/ 5872' - 6136'.
	23:15 - 00:00	0.75	D	05		SURVEY & CONNECTION TIME
	00:00 - 03:00	3.00	D	03		DRILL 8 3/4" HOLE F/ 6136' - 6230'
8/18/2010	03:00 - 03:15	0.25	D	06		RIG SERVICE. GREASE TOP DRIVE, BLOCKS, SWIVEL, FUNCTION ANNULAR CLOSE/ OPEN - 18 SECONDS.
	03:15 - 05:15	2.00	D	03		DRILL 8 3/4" HOLE F/ 6230' - 6328'
	05:15 - 06:00	0.75	D	05		SURVEY & CONNECTION TIME
	06:00 - 06:30	0.50	D	18		PRE TOUR SAFETY MEETING (RIG SERVICE)
	06:30 - 11:30	5.00	D	03		DRILL F/ 6328'-6512'
	11:30 - 11:45	0.25	D	06		RIG SERVICE. FUNCTION UPPER PIPE RAMS 3 SEC. LOWER PIPE RAMS 3 SEC.
	11:45 - 17:00	5.25	D	03		DRILL F/ 6512'-6654'
	17:00 - 17:30	0.50	D	08		CIR BOTTOMS UP
	17:30 - 18:00	0.50	D	05		SURVEY & CONNECTION TIME
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (POWER TOOLS)
	18:15 - 20:00	1.75	D	04		FLOW CHECK AT 6654'. PULL 5 STANDS. FLOW CHECK AT 6234' . HOIST TO 5026'.
	20:00 - 20:15	0.25	D	18		BOP DRILL WHILE TRIPPING. WELL SECURE, MEN IN POSITION IN 95 SECONDS.
	20:15 - 21:00	0.75	D	04		FLOW CHECK @ 5026'.
	21:00 - 21:30	0.50	D	04		P.O.O.H. F/ 5026' - 3815'.
	21:30 - 22:45	1.25	DT	55		SHUT IN WELL TO ASSESS CONTINUOUS 0.5 GAL/MIN FLOW. MONITORED PRESSURE BY INSTALLING 300 PSI VALVE ON B SECTION. INITIAL PRESSURE: 5 PSI FROM HYDROSTATIC PRESSURE FROM BOP STACK FILLED WITH FLUID. AT 17 MINUTES, INDICATED PRESSURE: 65 PSI. AT 25 MINUTES, INDICATED PRESSURE: 100 PSI. SOURCE APPEARS TO BE LOW VOLUME WATER FLOW. NO GAS NOTED. AFTER CONSULTING W/ DRILLING SUPERINTENDENT, CONTINUED TRIPPING OPERATIONS.
	22:45 - 23:45	1.00	D	04		P.O.O.H. F/ 3815' - 1683'/
	23:45 - 00:15	0.50	D	06		RIG SERVICE. GREASE BLOCKS, SERVICE TOP DRIVE, SWIVEL. FUNCTION UPPER PIPE RAMS. CLOSE/ OPEN - 6 SECONDS.
	00:15 - 00:45	0.50	D	04		P.O.O.H. F/ 1683' - 942'.
00:45 - 01:00	0.25	D	04		FLOW CHECK @ 942 FT.	
01:00 - 03:15	2.25	D	04		REMOVE ROTATING HEAD RUBBER, P.O.O.H. 942' - 112'	
03:15 - 03:30	0.25	D	05		RETRIEVE MWD TOOL.	

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 8 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/18/2010	03:30 - 03:45	0.25	D	04		P.O.O.H. F/112' - 0'.
	03:45 - 04:00	0.25	D	04		BREAK OFF BIT #3, HUGHES Q405F.
	04:00 - 05:00	1.00	D	04		MAKE UP BIT #4. R.I.H. TO 73'
	05:00 - 05:15	0.25	D	05		INSTALL MWD TOOL.
	05:15 - 06:00	0.75	D	04		R.I.H. F/73' - 182'.
8/19/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING. (RIH)
	06:15 - 06:45	0.50	D	04		MAKE UP BHA
	06:45 - 09:30	2.75	DT	60		REPAIR GOOSE NECK ON TOP DRIVE
	09:30 - 09:45	0.25	D	18		SAFETY MEETING
	09:45 - 12:15	2.50	D	04		RIH TO 5020'
	12:15 - 12:30	0.25	D	06		RIG SERVICE, GREASE BLOCKS, TOP DRIVE, DRAWWORKS, FUNCTION ANNULAR 14 SEC.
	12:30 - 13:45	1.25	D	04		FLOW CHECK AT SHOE, FILL PIPE & PALUSE TEST SURVEY TOOLS.
	13:45 - 15:00	1.25	D	04		RIH, WASH TO BOTTOM, NO FILL
	15:00 - 16:45	1.75	D	03		PATTER N BIT DRILL F/6654'-6720'
	16:45 - 18:00	1.25	D	05		SURVEY & CONNECTION TIME
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (USE OF TONGS)
	18:15 - 22:00	3.75	D	03		DRILL 8 3/4" HOLE F/6720' - 6882'
	22:00 - 22:15	0.25	D	06		RIG SERVICE. FUNCTION UPPER PIPE RAMS - 3 SEC, LOWER PIPE RAMS - 3 SEC.
	22:15 - 23:30	1.25	D	03		DRILL 8 3/4" HOLE F/6882' - 6949' - PRESSURE SPIKE, STALLED ROTARY AT 6949', AT 23:59 HR. PULLED UP OFF BOTTOM.
	23:30 - 00:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
	00:00 - 00:45	0.75	D	08		CIRCULATE, ASSESS SITUATION, WAIT ON ORDERS.
	00:45 - 01:00	0.25	D	03		DRILL 8 3/4" HOLE F/6949' - 6953' - PRESSURE SPIKE, STALLED ROTARY @ 6953'. PULLED UP OFF BOTTOM.
01:00 - 01:30	0.50	D	08		CIRCULATE BOTTOMS UP, PREPARE TO TRIP TO INSPECT BIT AND MOTOR.	
01:30 - 06:00	4.50	D	04		TRIP TO INSPECT BIT AND MOTOR. FLOW CHECK @ 6509' - WELL FLOWING @ 0.5 +/- GAL/MIN., FLOW CHECK AT 5016' - WELL FLOWING @ 0.5 +/- GAL/MIN, FLOW CHECK @ 3245' = WELL FLOWING @ 0.5 +/- GAL/MIN., CHECK @ 913' = WELL FLOWING @ 0.75 +/- GAL/MIN.	
8/20/2010	06:00 - 06:15	0.25	D	18		SAFETY MEETING. (HANDLING BHA)
	06:15 - 08:00	1.75	D	04		POOH, FLOW CHECK @ SURFACE.
	08:00 - 09:45	1.75	D	04		CHANGE OUT MOTOR & SCRIBE. MAKE UP BHA
	09:45 - 11:15	1.50	D	04		RIH
	11:15 - 11:45	0.50	D	04		FLOW CHECK, INSTALL ROTATING RUBBER, FILL PIPE, PULSE TEST TOOLS.
	11:45 - 12:00	0.25	D	04		RIH
	12:00 - 12:15	0.25	D	18		BOP DRILL, TRIPPING, WELL SECURED & CREW IN POSITION 120 SEC.
	12:15 - 16:30	4.25	D	04		RIH WASH TO BOTTOM, 10' FILL.
	16:30 - 18:00	1.50	D	03		DRILL F/6953'-6980'
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (LOCKOUT PROCEDURES)
	18:15 - 20:00	1.75	D	03		DRILL F/6980' - 7089'
	20:00 - 20:15	0.25	D	06		RIG SERVICE. FUNCTION ANNULAR 18 SEC, UPR - 3 SEC, LPR - 3 SEC.
	20:15 - 23:15	3.00	D	03		DRILL F/7089' - 7165'
	23:15 - 00:00	0.75	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
00:00 - 05:30	5.50	D	03		DRILL F/7165' - 7319'	
05:30 - 06:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.	

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 9 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/21/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING. (CONNECTIONS, EYE PROTECTION)
	06:15 - 10:15	4.00	D	03		DRILL F/ 7319'-7441'
	10:15 - 10:30	0.25	D	06		RIG SERVICE, GREASE CROW, BLOCKS, TOP DRIVE, DRAVESHAF, FUNCTION ANNULAR 14 SEC. ATTEMPT TO SURVEY, TOOLS NOT WORKING
	10:30 - 13:30	3.00	D	03		DRILL F/ 7441'-7518'
	13:30 - 14:15	0.75	DT	60		CHANGE HEAD ON PUMP #1
	14:15 - 17:30	3.25	D	03		DRILL F/ 7518'-7643'
	17:30 - 18:00	0.50	D	05		SURVEY & CONNECTION TIME
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (LOADER OPERATIONS)
	18:15 - 20:15	2.00	D	03		DRILL F/ 7643' - 7723'. CIRCULATE THROUGH GAS BUSTER FROM 7643' LAZY 1' FLAME
	20:15 - 20:30	0.25	D	06		RIG SERVICE. FUNCTION UPR - 3 SECONDS, LPR - 3 SECONDS.
	20:30 - 23:30	3.00	D	03		DRILL F/ 7723' - 7815' CIRCULATE THROUGH GAS BUSTER. LAZY 2 - 3' FLAME
	23:30 - 00:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
	00:00 - 05:45	5.75	D	03		DRILL F/ 7815' - 8002' CIRCULATE THROUGH GAS BUSTER. LAZY 2 - 3' FLAME.
	8/22/2010	05:45 - 06:00	0.25	D	18	
06:00 - 06:15		0.25	D	18		PRE TOUR SAFETY MEETING. (LOCK OUT PROCEDURES)
06:15 - 09:00		2.75	D	03		DRILL F/ 8002'-8092'
09:00 - 09:15		0.25	D	06		RIG SERVICE. GREASE TOP DRIVE, BLOCKS, DRAWWORKS, FUNCTION ANNULAR 13 SEC.
09:15 - 13:30		4.25	D	03		DRILL F/ 8092'-8277'
13:30 - 17:00		3.50	D	08		CIRC & DISPLACE TO MUD. CIRC & INCREASE MUD DENSITY.
17:00 - 18:00		1.00	DT	55		SHUT IN WELL MONITOR SIDP. WEIGHT UP TO 10.2 PPG FROM 9.2 PPG, INCREASE VIS TO 40.
18:00 - 18:15		0.25	D	18		PRE TOUR SAFETY MEETING (MIXING CHEMICALS)
18:15 - 19:15		1.00	DT	55		WELL SHUT IN, WEIGHT UP
19:15 - 21:15		2.00	DT	55		BUILD VOLUME IN TANKS 1 & 2
21:15 - 23:00		1.75	DT	55		CIRC THROUGH MANIFOLD
23:00 - 00:00		1.00	DT	55		BUILD VOLUME IN TANKS 2
00:00 - 00:15		0.25	DT	55		CIRC KILL MUD THROUGH MANIFOLD
00:15 - 00:45		0.50	DT	55		WEIGHT UP MUD IN TANKS #2. CLEAN VALVES IN PUMPS
00:45 - 02:00	1.25	DT	55		CIRC KILL MUD THROUGH MANIFOLD.	
02:00 - 04:00	2.00	DT	55		MIX MUD IN TANK 1 & 2 TO 10.7 LB/GAL, VIS 40, 20% LCM.	
04:00 - 06:00	2.00	DT	55		CIRCULATE KILL MUD THROUGH MANIFOLD.	
8/23/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING. (MIXING CHEMICALS)
	06:15 - 10:00	3.75	DT	55		CIRC THROUGH CHOKE OPEN 100%. @ 360GPM.
	10:00 - 11:45	1.75	DT	55		WELL SHUT IN WEIGHT UP KILL MUD TO 10.9 PPM. LOAD OUT 74 JT OF 4 1/2 DP FOR PD 404. CHANGE OUT DIRECTIONAL CAMP.
	11:45 - 17:15	5.50	DT	55		CIRC WELL THROUGH MANIFOLD WITH 10.6 PPG MUD,
	17:15 - 17:30	0.25	DT	55		FLOW CHECK, WELL FLOWING. SHUT IN WELL.
	17:30 - 18:00	0.50	DT	59		OPEN WELL TO GAS BUSTER. WORK STUCK PIPE. FREE STUCK PIPE.
	18:00 - 18:15	0.25	DT	67		PRE TOUR SAFETY MEETING (TRIPPING)
	18:15 - 19:00	0.75	DT	55		CIRCULATE. WORK PIPE, MONITOR PIT GAINS.
	19:00 - 22:00	3.00	DT	55		RACK STAND OF DRILL PIPE BACK, SHUT IN WELL. CONDITION MUD, RAISING DENSITY TO 11.5 PPG.
	22:00 - 22:30	0.50	DT	55		CIRCULATE KILL MUD THROUGH MANIFOLD.
	22:30 - 23:45	1.25	DT	55		SHUT IN WELL, CONDITION MUD TO 12.0 PPG.
23:45 - 00:15	0.50	DT	55		CIRCULATE KILL MUD THROUGH MANIFOLD.	
00:15 - 00:45	0.50	DT	55		CONDITION MUD IN TANKS TO 12.0 PPG.	

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 10 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations	
8/23/2010	00:45 - 03:00	2.25	DT	55		CIRCULATE KILL MUD THROUGH MANIFOLD.	
	03:00 - 03:15	0.25	DT	55		BLEED OFF PRESSURE, OPEN WELL & FLOW CHECK.	
	03:15 - 06:00	2.75	D	04		TRIP OUT OF HOLE. FLOW CHECK AT 7718', 6509.	
8/24/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING.	
	06:15 - 07:00	0.75	D	04		POOH, FLOW CHECK @ 5170'	
	07:00 - 07:45	0.75	D	04		BUILD MUD TO FILL HOLE, 12.5 PPG	
	07:45 - 13:00	5.25	D	04		POOH, FLOW CHECK @ 850', SURFACE	
	13:00 - 13:45	0.75	D	04		LAY OUT DIRECTIONAL TOOLS & MOTOR.	
	13:45 - 15:00	1.25	D	04		CLEAN FLOOR, PREP BHA. AND BIT.	
	15:00 - 17:30	2.50	D	04		MAKE UP BHA, RUN IN HOLE. FLOW CHECK AT 894'.	
	17:30 - 18:00	0.50	D	04		INSTALL ROTATING HEAD RUBBER, TRIP IN HOLE TO 1577'.	
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING. (TRIPPING IN HOLE)	
	18:15 - 19:30	1.25	D	04		TRIP IN HOLE F/ 1577' - 3410'	
	19:30 - 19:45	0.25	D	06		SERVICE ARM ON TOP DRIVE. FUNCTION ANNULAR - 18 SEC.	
						UPPER PIPE RAMS - 3 SEC/ LOWER PIPE RAMS - 3 SEC.	
		19:45 - 20:45	1.00	D	04		TRIP IN HOLE F/ 3410 - 4992'
		20:45 - 22:15	1.50	D	08		FILL PIPE AND CIRCULATE BOTTOMS UP.
		22:15 - 22:45	0.50	D	04		TRIP IN HOLE F/ 4992' - 5413'
		22:45 - 23:30	0.75	D	07		CIRCULATE, REAM TIGHT SPOT F/ 5413' TO 5457'
		23:30 - 00:00	0.50	D	04		TRIP IN HOLE F/ 5457' - 6016'/
		00:00 - 01:30	1.50	D	04		TRIP IN HOLE F/ 6016' - 8069'
		01:30 - 04:15	2.75	D	04		FILL PIPE, WASH AND CLEAN F/ 8069' TO 8277'
	04:15 - 05:45	1.50	D	03		DRILL 8 3/4" F/8277' - 8293'	
8/25/2010	05:45 - 06:00	0.25	D	03		ACCUMULATED CONNECTION TIME.	
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING. (DRIVING)	
	06:15 - 08:15	2.00	D	03		DRILL F/ 8293'-8308'	
	08:15 - 11:00	2.75	DT	60		WORK ON PUMPS.	
	11:00 - 12:00	1.00	D	03		DRILL F/ 8308'-8328'	
	12:00 - 16:30	4.50	DT	57		LOST RETURNS, RACK BACK ONE STAND. MIX LCM & PUMP. 14:45 HRS SLIGHT RETURNS. 95 % RETURNS, PICK UP STAND RIH.	
		16:30 - 17:00	0.50	D	03		DRILL F/ 8328'-8331'
		17:00 - 18:00	1.00	DT	57		CONDITION MUD (DECREASE DENSITY FROM 11.6 PPG TO 11 PPG) & MIX LCM. MAINTAIN 30 % LCM AND 50 PLUS VIS
		18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (MIXING CHEMICALS)
		18:15 - 21:15	3.00	DT	57		CONDITION MUD. (DECREASE DENSITY TO 11.5 PPG, BUILD VOLUME & MIX LCM.)
		21:15 - 23:30	2.25	D	03		DRILL 8 3/4" HOLE F/ 8331 - 8343'. MIX LCM TO CONTROL LOSSES.
		23:30 - 23:45	0.25	D	08		CIRCULATE AND CONDITION MUD. CHECK CROWN SAVER.
		23:45 - 00:00	0.25	D	05		ACCUMULATED CONNECTION TIME.
	00:00 - 00:15	0.25	D	06		RIG SERVICE. FUNCTION ANNULAR - 18 SECONDS. UPPER PIPE RAMS - 3 SEC. LOWER PIPE RAMS - 3 SEC. HCR - 3 SEC.	
	00:15 - 03:45	3.50	D	03		DRILL 8 3/4" HOLE f/ 8343' - 8375'. MIXING LCM TO CONTROL LOSSES, BARITE TO CONTROL WELL. LOSING WHOLE MUD TO FORMATION AT RATE OF 14 - 30 BBL/ HR. WELL FLOWS WITH 11.5 PPG DENSITY AT 30 BARRELS/ HR. STARTED LOSING WHOLE MUD TO FORMATION WHEN WEIGHT CAME BACK AT 12.0 LB/GAL. LOST 143 BARRELS OVER .75 HR.	
	03:45 - 05:15	1.50	DT	57		CIRCULATE AND BUILD VOLUME. CONDITION MUD.	
	05:15 - 06:00	0.75	DT	60		WORK ON PUMPS;	
8/26/2010	06:00 - 06:15	0.25	D	18		RIG SERVICE. (MUD PUMP MAINTANCE, HANDLING CAUSTIC)	
	06:15 - 06:30	0.25	DT	65		WORK ON PUMPS	
	06:30 - 08:30	2.00	D	03		DRILL F/ 8375'-8383'	
	08:30 - 09:30	1.00	DT	65		WORK ON PUMPS	

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 11 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/26/2010	09:30 - 14:00	4.50	D	03		DRILL F/ 8383'-8435'
	14:00 - 14:15	0.25	D	06		RIG SERVICE, GREASE BLOCKS, TOP DRIVE, FUNCTION ANNULAR 13 SEC. AJUST BRAKES
	14:15 - 14:30	0.25	D	18		CONNECTION TIME
	14:30 - 15:30	1.00	D	03		DRILL F/ 8435'-8459'
	15:30 - 16:30	1.00	DT	65		REPAIR PUMP # 1 LEAKING AROUND SUCTION
	16:30 - 17:30	1.00	D	03		DRILL F/ 8459'-8478'
	17:30 - 18:00	0.50	DT	65		WORK ON PUMPS, CHANGE HEADS AND LINERS.
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (FORKLIFT OPERATION)
	18:15 - 20:15	2.00	DT	65		WORK ON PUMPS, CHANGE HEADS AND LINERS. NOTE: WHILE CIRCULATING WITH ONE PUMP, WELL FLOWED @ 5 BARRELS/ HOUR WITH 11.8 LB/GAL MUD DENSITY, LOWERING DENSITY TO 11.7 LB/GAL, AT WHICH POINT FLOW AND BACKGROUND GAS INCREASES. GAINED 11 BARRELS OF VOLUME DURING THIS TIME.
	20:15 - 23:30	3.25	D	03		DRILL F/ 8478' - 8529'.
	23:30 - 23:45	0.25	D	06		RIG SERVICE. FUNCTION UPPER PIPE RAMS, 3 SECONDS. LOWER PIPE RAMS, 3 SECONDS, HCR - 3 SECONDS.
	23:45 - 00:00	0.25	D	05		CONNECTION TIME, FUNCTION CROWN SAVER. RAISED DENSITY TO 12.0 LB/GAL, ADDED LCM TO MUD. WELL DID NOT FLOW ON CONNECTION.
	00:00 - 05:45	5.75	D	03		DRILL F/ 8529 - 8650
	05:45 - 06:00	0.25	D	03		CONNECTION TIME. WELL DID NOT FLOW ON CONNECTION. RAISED LCM TO 35% IN/OUT, WITH 12.0 LB/GAL IN /OUT.
8/27/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SASFETY MEETING. (RIG SERVICE & AUTODRILLERS)
	06:15 - 08:30	2.25	D	03		DRILL F/ 8650'-8681'
	08:30 - 10:00	1.50	DT	65		WORK ON PUMPS.
	10:00 - 12:45	2.75	D	03		DRILL F/ 8681'-8704'
	12:45 - 14:15	1.50	DT	65		CHANGE OUT HEAD # 1 PUMP
	14:15 - 15:15	1.00	D	03		DRILL F/ 8704'-8715
	15:15 - 15:30	0.25	D	18		BOP DRILL W/ CREW. WELL SHUT IN & CREW IN POSITION 90 SEC.
	15:30 - 15:45	0.25	D	06		RIG SERVICE,
	15:45 - 16:00	0.25	D	05		CONNECTION TIME
	16:00 - 18:00	2.00	D	03		DRILL F/ 8715'-8732'
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (MAKING CONNECTIONS)
	18:15 - 19:45	1.50	D	03		DRILL F/ 8732' - 8742'. STOPPED DRILLING DUE TO TORQUE BEING ERRATIC.
	19:45 - 23:45	4.00	DT	55		CIRCULATE AND CONDITION MUD FOR TRIP. MUD DENSITY DROPPING DUE TO APPARENT DILUTION FROM FORMATION. DROPPED TO 11.9 PPG FROM 12.0. INCREASED DENSITY TO 12.2 PPG.
	23:45 - 00:00	0.25	D	04		FLOW CHECK @ 8742' - FLOWING 3 GPM.
00:00 - 00:15	0.25	D	18		HELD SAFETY MEETING (TRIPPING PIPE OUT).	
00:15 - 01:15	1.00	D	04		TRIP OUT FIVE STANDS. HOLE SWABBING WHILE PULLING AT 25 FT/MIN. HOLE DID NOT TAKE ANY FLUID AT ALL. NO FLOW ON FLOW CHECK AT 8340'/	
01:15 - 02:15	1.00	DT	55		CIRCULATE AND RAISE DENSITY TO 12.5 PPG IN TANK 2 & ANNULUS. BY PASS TANKS 3 & 4. BYPASS GAS BUSTER, GOING DIRECT OVER SHAKER. CIRCUALTE AT 70 SPM/ 70 SPM ON PUMPS #1 + #2.	
02:15 - 03:45	1.50	DT	65		CIRCULATE AND WORK ON PUMPS DUE TO LCM. CONTINUED	

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 12 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rigs Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/27/2010	02:15 - 03:45	1.50	DT	65		MIXING LCM & BARITE.
	03:45 - 04:15	0.50	DT	55		CIRCULATE AND CONDITION MUD TO 12.5 PPG.
	04:15 - 05:00	0.75	DT	65		CIRCULATE AND WORK ON PUMPS DUE TO LCM. CONTINUED MIXING LCM & BARITE.
	05:00 - 06:00	1.00	DT	55		CIRCULATE AND CONDITION MUD TO 12.5 PPG. CONTINUED MIXING LCM & BARITE.
8/28/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING
	06:15 - 07:15	1.00	D	08		WORKING PIPE, BUILDING VOLUME, RAISING MUD WEIGHT TO 12.8 PPG
	07:15 - 08:00	0.75	D	18		FLOW CHECK. BUILD VOLUME IN TANK #2 (13.0 PPG, 52 VISC)
	08:00 - 09:30	1.50	D	08		CIRCULATE AND RAISE MUD WEIGHT TO 13.0 PPG
	09:30 - 12:15	2.75	D	18		BUILD VOLUME AND CONDITION MUD (13.0 PPG, 52 VISC.) FLOW CHECK, WELL STATIC.
	12:15 - 18:00	5.75	DT	57		TRIP OUT OF HOLE, HOLE SWABBING, PUMP EACH JOINT OUT MONITORING HOLE FILL. F/8279' TO 3771'. FLOW CHECK @ 4982'
	18:00 - 18:15	0.25	DT	57		PRE TOUR SAFETY MEETING. (TRIP OUT OF HOLE W/ SPECIAL CONDITIONS)
	18:15 - 22:30	4.25	DT	57		PUMP OUT OF HOLE F/ 3771' - 970'. FLOW CHECK AT 970'. AFTER 7 MINUTES, WELL NOTED AS DEAD.
	22:30 - 22:45	0.25	DT	57		BOP DRILL WHILE TRIPPING PIPE.
	22:45 - 23:15	0.50	DT	57		CONDITION MUD TO 13 PPG FROM 12.5 PPG IN TANK 2.
	23:15 - 23:30	0.25	DT	57		CIRCULATE THROUGH BHA (970 FT TO SURFACE) W/ 13.0 PPG MUD.)
	23:30 - 00:00	0.50	DT	57		TRIP BHA, PULL ROTATING HEAD RUBBER F/ 970' TO 808'.
	00:00 - 02:45	2.75	DT	57		TRIP BHA, F/ 808' TO 0'. FLOW CHECK. NO FLOW.
	02:45 - 03:45	1.00	DT	57		CLEAN UP RIG FLOOR, STRAP 2 7/8" FIBERGLASS TUBING. PICK UP TOOLS TO RUN TUBING.
8/29/2010	03:45 - 04:00	0.25	DT	57		PRE JOB SAFETY MEETING (RUN 2 7/8" TUBING)
	04:00 - 06:00	2.00	DT	57		PICK UP AND RUN 33 JOINTS OF 2 7/8" FIBERGLASS TUBING. TALLY - 963.55'. MADE UP W/ 18" PIPE WRENCHES.
	06:00 - 06:15	0.25	DT	57		PRE TOUR SAFETY MEETING (WEEKEND AWARENESS)
	06:15 - 07:00	0.75	DT	57		PICK UP 2-7/8" FIBERGLASS TUBING
	07:00 - 08:00	1.00	DT	57		RIG OUT TUBING EQUIPMENT, MOVE STANDS IN DERRICK, MAKE UP X/O INSTALL ROTATING HEAD.
	08:00 - 09:45	1.75	DT	57		TRIP IN HOLE F/ 966' TO 5021' FILL DRILL PIPE.
	09:45 - 11:00	1.25	DT	57		MOVE DRILL PIPE STANDS IN DERRICK.
	11:00 - 13:30	2.50	DT	57		TRIP IN HOLE FROM 5021' to 8693.55'.
	13:30 - 14:00	0.50	DT	57		CIRCULATE.
	14:00 - 14:45	0.75	DT	63		BREAK CONNECTION BETWEEN TOP DRIVE AND STAND OF DP. CHANGE SAVER SUB ON TOP DRIVE. RIG UP SCHLUMBERGER TO CEMENT.
	14:45 - 16:00	1.25	DT	57		RUN CEMENT PLUG TO HEAL LOST CIRCULATION/ PRESSURES.
	16:00 - 17:30	1.50	DT	57		HOIST DRILL STRING TO 7108' & CHECK FLOW.
	17:30 - 17:45	0.25	DT	57		RIG OUT CEMENTERS.
	17:45 - 18:00	0.25	DT	57		TRIP OUT TO 6790'. PULLING WET. COULD NOT CIRCULATE WHEN 17 STANDS OUT. HOLE SWABBED WHILE HOISTING.
18:00 - 18:15	0.25	DT	57		PRE TOUR SAFETY MEETING (TRIPPING OUT OF HOLE)	
	18:15 - 00:00	5.75	DT	57		TRIP OUT WET F/ 6790' TO 1702'. FLOW CHECK @ 4963', 2634'. WELL DEAD ON FLOW CHECKS. HOLE STARTED TAKING PROPER AMOUNT OF FLUID.
	00:00 - 01:30	1.50	DT	57		HOIST F/ 1702' TO 1059'. FLOW CHECK @ 1059'
	01:30 - 02:00	0.50	DT	57		BREAK OFF X/O FOR FIBREGLASS TUBING. FOUND X/O PLUGGED WITH LCM.

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 13 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/29/2010	02:00 - 02:30	0.50	DT	57		REMOVE ROTATING RUBBER FROM DRILL STRING.
	02:30 - 03:15	0.75	DT	57		BREAK DOWN STAND TO CHECK FOR PLUGGED PIPE. LAY DOWN LAST SINGLE.
	03:15 - 03:30	0.25	DT	57		RACK BACK STAND OF DP. PICK UP TUBING HANDLING EQUIPMENT.
	03:30 - 04:30	1.00	DT	57		LAY DOWN 2 7/8" TUBING.
	04:30 - 05:45	1.25	DT	57		CONTINUE TO LAY DOWN TUBING.
8/30/2010	05:45 - 06:00	0.25	DT	57		RIG OUT TUBING HANDLING EQUIPMENT.
	06:00 - 06:15	0.25	DT	57		PRE TOUR SAFETY MEETING (TONGS AND SLIPS)
	06:15 - 09:00	2.75	DT	57		MAKE UP BIT AND BHA, TRIP IN HOLE
	09:00 - 09:30	0.50	DT	57		INSTALL ROTATING HEAD, FILL BHA WITH CLEAN MUD AND BREAK CIRCULATION
	09:30 - 11:00	1.50	DT	57		TRIP IN HOLE TO 4995' (CASING SHOE) , FLOW CHECK
	11:00 - 12:00	1.00	DT	57		FILL DRILL PIPE AND CIRCULATE BOTTOMS UP WITH 2 PUMPS AT 100 SPM EACH (11.6 BPM)
	12:00 - 13:15	1.25	DT	57		SLIP AND CUT 57.6' OF DRILLING LINE
	13:15 - 14:45	1.50	DT	57		TRIP IN HOLE, TAG FILL AT 7875'
	14:45 - 16:30	1.75	DT	57		CIRCULATE BOTTOMS UP CHECKING FOR CEMENT CONTAMINATION IN MUD. WASHING EACH STAND DOWN WATCHING FOR GOOD CEMENT. (120 SPM, 1 PUMP, 6.8 BPM)
	16:30 - 18:00	1.50	DT	57		LOST APPROXIMATELY 45 BBLs OF MUD AT A RATE OF 1 BBLs PER MINUTE FOR FIRST 45 MINUTES, SEALED OFF, NO LOSSES.
	18:00 - 18:15	0.25	DT	57		WASH/ REAM F/ 7875' - 7970'. NO CEMENT IN PLACE.
	18:15 - 21:00	2.75	DT	57		PRE TOUR SAFETY MEETING. (PUMP MAINTENANCE AND REPAIR) WASH/REAM F/ 7970 - 8400'. NO CEMENT IN PLACE. ALMOND SIZED FRAGMENTS OF CEMENT ENCOUNTERED IN LCM SCREEN WHILE DOING MUD CHECKS AFTER CIRCULATING BELOW 8248'.
	21:00 - 23:45	2.75	DT	57		NO CEMENT ENCOUNTERED AS SOLID PLUG. BELOW 8248, CONNECTION GAS LEVELS INCREASED ON BOTTOMS UP. VOLUME GAIN (54 BARRELS) APPEARS TO BE PRIMARILY FROM FORMATION WATER INFLUX. DENSITY AT 12.9 IN/ 12.7 OUT WHEN 8400' REACHED.
	23:45 - 00:00	0.25	DT	57		CIRCULATE BOTTOMS UP, RAISE DENSITY TO 13.0 PPG TO CONTROL WELL FOR TRIP.
	00:00 - 00:00		DT	57		PRE-JOB MEETING (TRIP OUT OF HOLE WHILE PUMPING). TRIP OUT OF HOLE, WHILE PUMPING, TO CONTROL INFLUX OF FORMATION WATER. FLOW CHECK @ 8342', 7876', 6567'. HOLE TOOK PROPER AMOUNT OF FLUID WHILE PULLING FIRST 20 STANDS WHILE CIRCULATING. SWABBED HOLE WHEN PULLING STANDS 21 + 22 WITHOUT PUMPING. GAINED 1.1 BBL IN TRIP TANK. HOLE SHOULD HAVE TAKEN 3.9 BBL. RESUMED PUMPING WHILE HOISTING STANDS.
8/31/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING
	06:15 - 12:00	5.75	DT	57		TRIP OUT OF HOLE, FLOW CHECK AT 1065.0
	12:00 - 12:45	0.75	DT	57		CLEAN FLOOR, PREPARE TO PICK UP TUBING
	12:45 - 15:00	2.25	DT	57		PICK UP 33 JOINTS OF FIBERGLASS TUBING AND 1 XO 4-1/2XH X 2-7/8 EUE 8 ROUND, TOTAL LENGTH 966.70'
	15:00 - 15:15	0.25	DT	57		RIG OUT TUBING TOOLS, MAKE UP XO.
	15:15 - 15:45	0.50	DT	57		INSTALL ROTATING HEAD, BREAK CIRCULATION
	15:45 - 17:00	1.25	DT	57		TRIP IN HOLE TO CASING SHOE (5020')
	17:00 - 17:30	0.50	DT	57		FILL PIPE.
	17:30 - 18:00	0.50	DT	57		TRIP IN HOLE F' 5020' TO 6617'
18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIP IN HOLE)	

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 14 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/31/2010	18:15 - 19:30	1.25	DT	57		TRIP IN HOLE F/ 6617' - 8118'
	19:30 - 20:00	0.50	DT	57		WASH F/ 8118' - 8385.86'.
	20:00 - 21:30	1.50	DT	57		CIRCULATE AND PICK UP CEMENTING TOOLS.
	21:30 - 21:45	0.25	DT	57		PRE JOB SAFETY MEETING W/ SCHLUMBERGER.
	21:45 - 22:45	1.00	DT	57		RUN CEMENT PLUG TO HEAL LOST CIRCULATION/ PRESSURES.
						SET CEMENT PLUG FROM 8385.86' TO 7175' WITH 20 BBLs. OF WATER, 435 SKS (89.83 BBLs.) OF CLASS "G" PLUS ADDITIVES.
						DISPLACE WITH 5.2 BBLs. OF WATER , THEN 96.1 BBLs. OF DRILLING MUD. PLUG BALANCED. FULL RETURNS THROUGHOUT OPERATION
	22:45 - 00:00	1.25	DT	57		TRIP OUT OF HOLE F/ 8387' - 6989'.
	00:00 - 00:45	0.75	DT	57		RIG IN SCHLUMBERGER AT 6989' TO CLEAR DRILL STRING WHEN STANDS WERE PULLING WET. ATTEMPTED TO FORWARD PUMP.
		00:45 - 01:00	0.25	DT	57	
9/1/2010	01:00 - 06:00	5.00	DT	57		TRIP OUT OF HOLE F/ 6989' - 1342' FLOW CHECKS @ 5124', 3725',
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING
	06:15 - 09:45	3.50	DT	57		TRIP OUT OF HOLE. LAY DOWN PLUGGED SINGLES (TOP 3 JOINTS PLUGGED WITH LCM)
	09:45 - 10:45	1.00	DT	57		CLEAN CEMENT FROM RIG FLOOR, TRIP TANK, AND TOOLS
	10:45 - 12:30	1.75	DT	57		MAKE UP BIT AND BHA
	12:30 - 14:00	1.50	DT	57		TRIP IN HOLE TO 5021'
	14:00 - 14:30	0.50	DT	57		FILL DRILL PIPE AND CIRCULATE
	14:30 - 15:45	1.25	DT	57		TRIP IN HOLE TO 7166' (TAGGED CEMENT)
	15:45 - 18:00	2.25	DT	57		DRILLING CEMENT FROM 7191'-7250' (GOOD , HARD CEMENT.) NO LOSSES AND NO GAINS.
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (CHANGE OUT SLIP AND TONG DIES.)
	18:15 - 20:30	2.25	DT	57		DRILLING CEMENT F/ 7250' - 7411'. HARD CEMENT TO 7327' (TOOK 30,000 LB WOB TO DRILL), THEN BROKE THROUGH TO SOFTER CEMENT, WHICH REQUIRED FROM 2,000 WOB TO 17,000 WOB. PRIMARY CONCERN BECAME RATE AT WHICH DRILLING COULD BE MAINTAINED WHILE STILL TREATING THE MUD SYSTEM.
	20:30 - 20:45	0.25	DT	57		RIG SERVICE. FUNCTION ANNULAR - 18 SEC, HCR - 3 SEC, TOP PIPE RAMS - 3 SECONDS, BOTTOM PIPE RAMS - 3 SECONDS.
	20:45 - 23:00	2.25	DT	57		DRILL CEMENT F/ 7411' TO 7490'.
23:00 - 23:30	0.50	DT	65		ATTEMPT TO GET PUMP PRIMED SO THAT PUMPING COULD RESUME.	
9/2/2010	23:30 - 00:00	0.50	DT	57		ACCUMULATED CONNECTION TIME.
	00:00 - 05:00	5.00	DT	57		DRILL CEMENT F/7490' - 7782' LOST CIRCULATION AT 7754'.
	05:00 - 06:00	1.00	DT	65		MIX LCM AND WORK ON PUMP.
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING
	06:15 - 07:00	0.75	DT	65		WORK ON PUMPS, WORK PIPE
	07:00 - 07:30	0.50	DT	57		DRILLING FROM 7782'-7812' (NO SOLID CEMENT)
	07:30 - 10:45	3.25	DT	57		BUILD VOLUME AND CONDITION MUD.
	10:45 - 11:30	0.75	DT	57		DRILLING CEMENT FROM 7812'-7910' (NO CEMENT FROM 7812'-7895' , GOOD CEMENT FROM 7895'-7910'.
	11:30 - 11:45	0.25	DT	57		PRE JOB SAFETY MEETING ON TRIPPING OUT OF THE HOLE.
	11:45 - 18:00	6.25	DT	57		FLOW CHECK, TRIP OUT OF THE HOLE. HOLE SWABBING, PUMPING EACH JOINT OUT. FLOW CHECKS @ 7910', 7501', 6475', 4982', 3956'

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 15 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/2/2010	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIP OUT, USE OF SPINNER)
	18:15 - 21:30	3.25	DT	57		TRIP OUT F/ 3956'. FLOW CHECK @ 976', 0'
	21:30 - 22:00	0.50	DT	57		CLEAN FLOOR, STRAP FIBERGLASS TUBING, RIG UP HANDLING EQUIPMENT.
	22:00 - 23:30	1.50	DT	57		PICK UP 27 JOINTS OF 2 7/8" FIBERGLASS TUBING (788.46')
	23:30 - 00:00	0.50	DT	57		INSTALL X/O (2.1') AND ROTATING HEAD.
	00:00 - 02:00	2.00	DT	57		FILL PIPE, CONFIRM CIRCULATION, TRIP IN HOLE. F/ 790' - 4978'.
	02:00 - 02:30	0.50	DT	57		FLOW CHECK AND FILL PIPE. CONFIRM CIRCULATION.
	02:30 - 02:45	0.25	DT	57		RIG SERVICE. GREASE BLOCKS, TOP DRIVE AND DRAWWORKS.
	02:45 - 04:45	2.00	DT	57		FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS. 4 SEC/ 4 SEC.
	04:45 - 06:00	1.25	DT	57		TRIP IN HOLE F/ 4978' - 7780'. CIRCULATE TO 7896' WITH PARTIAL RETURNS.
9/3/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIPPING OUT OF THE HOLE)
	06:15 - 07:45	1.50	D	14		WORK PIPE AND RIG UP CEMENTERS
	07:45 - 08:00	0.25	D	18		PRE JOB SAFETY MEETING WITH SCHLUMBERGER AND RIG CREW
	08:00 - 09:00	1.00	D	13		SPOT BALANCED PLUG.CEMENT WITH 20 BBLS. OF WATER, 45.5 BBLS. (220 SKS. ), DISPLACED WITH 7.1 BBLS. OF WATER, 88.0 BBLS OF 13.1PPG DRILLING MUD.
	09:00 - 10:00	1.00	D	04		PULLED 10 STANDS OF DRILL PIPE. BROKE CIRCULATION.
	10:00 - 10:15	0.25	D	18		RIG OUT CEMENTERS
	10:15 - 10:45	0.50	D	04		PULLED 10 STANDS OF DRILL PIPE, TRY TO PUMP TRIP PILL.
	10:45 - 12:45	2.00	D	04		PLUGGED STRING.
	12:45 - 13:00	0.25	D	18		FLOW CHECK, TRIP OUT OF HOLE TO CASING SHOE.
	13:00 - 18:00	5.00	D	04		BOP DRILL, FUNCTION ANNULAR 18 SECONDS, FUNCTION HCR 3 SECONDS, WELL SECURE IN 100 SECONDS.
	18:00 - 18:15	0.25	D	18		TRIP OUT OF HOLE, F/5005' - 790'. START LAYING DOWN 2-7/8"
	18:15 - 19:00	0.75	D	04		TUBING. TUBING PLUGGED W/ LCM AT X/O. 22 JTS PLUGGED W/ CEMENT AND LCM. 5 JTS CLEAR AND USABLE.
	19:00 - 19:45	0.75	D	04		PRE TOUR SAFETY MEETING (TRIPPING IN HOLE)
	19:45 - 21:30	1.75	D	04		LAY DOWN TUBING FROM 790' - 0'. FLOW CHECK.
	21:30 - 22:00	0.50	D	04		CLEAN CEMENT FROM RIG FLOOR AND PREPARE TO TRIP IN HOLE W/ BIT.
	22:00 - 00:00	2.00	D	04		MAKE UP BIT & BHA. FLOW CHECK @ 961'.
	00:00 - 01:15	1.25	D	18		INSTALL ROTATING HEAD RUBBER & FILL PIPE.
01:15 - 02:30	1.25	D	04		TRIP IN HOLE F/ 961' - 4994'. FLOW CHECK.	
02:30 - 03:00	0.50	D	08		FILL PIPE AND CIRCULATE BOTTOMS UP FROM 4994'.	
03:00 - 06:00	3.00	DT	57		TRIP IN HOLE F/ 4994' - 7871 - TAG POSSIBLE CEMENT.	
9/4/2010	06:00 - 06:15	0.25	DT	57		FILL PIPE AND BREAK CIRCULATION.
	06:15 - 07:45	1.50	DT	57		CIRCULATE AND WORK PIPE, MIX LCM. LOSING APPROX. 80 - 100 BBL/HR WHEN PUMPING.
	07:45 - 18:00	10.25	DT	57		PRE TOUR SAFETY MEETING (REVIEW JSA #30, MIXING CHEMICALS)
	18:00 - 18:15	0.25	DT	57		CIRCULATE AND CONDITION MUD. DRILLING CEMENT FROM 7880'-7895'(FAIR CEMENT)7895'-7900' (GOOD CEMENT) 7900'-7910' (NO CEMENT)
	18:15 - 21:00	2.75	DT	57		TRIP OUT OF HOLE (PUMPING OUT, WELL SWABBING) FLOW CHECKS AT 7315', 3955', 975'. PRE TOUR SAFETY MEETING. TRIP OUT OF HOLE. PUMP 18 BBL (NO RETURNS) AT 337' AT SURFACE, HOLE TOOK 12.2 BBL.

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 16 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rigs Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/4/2010	21:00 - 22:15	1.25	DT	57		CLEAN RIG FLOOR, STRAP AND PREPARE TUBING. RIG UP TUBING EQUIPMENT. DUMP AND CLEAN TANK #3.
	22:15 - 22:30	0.25	DT	57		PRE TOUR SAFETY MEETING (RUNNING TUBING)
	22:30 - 00:00	1.50	DT	57		RUNNING 2 7/8" FIBERGLASS TUBING, 5 JTS OLD TUBING, 17 JTS NEW TUBING
	00:00 - 01:45	1.75	DT	57		CONTINUE RUNNING TUBING. TUBING WANTS TO FLOAT. PUMP 3 BBLs WITH 17 JTS OUT, TO ENSURE THAT TUBING IS OPEN AND CLEAR. TOTAL FINERGLASS TUBING: 39 JTS, 1134.5' + X/O 2.1' = 1136.60' CLEAN TANK #4.
	01:45 - 02:00	0.25	DT	57		MAKE UP X/O, RIG OUT TUBING RUNNING EQUIPMENT.
	02:00 - 03:30	1.50	DT	57		RUN IN HOLE TO 4953'. FLOW CHECK AT 1227', 4953'. CLEAN TANK #2.
	03:30 - 06:00	2.50	DT	57		TRANSFER TANK 1 TO TANK 2. BUILD VOLUME IN TANK 1. FILL PIPE. WAIT ON CEMENTING EQUIPMENT.
9/5/2010	06:00 - 06:15	0.25	DT	57		PRE TOUR SAFETY MEETING (REVIEW JSA #30 MIXING CHEMICALS)
	06:15 - 08:30	2.25	DT	57		BUILDING VOLUME, WAITING ON SCHLUMBERGER)
	08:30 - 10:00	1.50	DT	57		TRIP IN HOLE WITH DRILL PIPE.
	10:00 - 12:30	2.50	DT	57		CIRCULATE AND RIG UP SCHLUMBERGER
	12:30 - 12:45	0.25	DT	57		HELD PRE JOB SAFETY MEETING WITH SCHLUMBERGER, AES, AND PRECISION RIG CREWS.
	12:45 - 14:15	1.50	DT	57		SET CEMENT PLUG #4 F/ 7905' - 7029' - WITH 20 BBLs. OF WATER, 60 BBLs (290 SKS) OF CLASS "G" CEMENT WITH CEMNET, 1-1/2 BBLs OF WATER, AND 96.1 BBLs. OF 13.1 PPG DRILLING MUD. FULL RETURNS THROUGH ENTIRE JOB. PIPE WAS ON VACUUM. PULLED FREE OFF OF BOTTOM. 15' OFF OF BOTTOM PULLED APPROXIMATELY 40K OVER STRING WEIGHT, STRING JUMPED. WHEN PIPE JUMPED FLUID LEVEL FELL.
	14:15 - 15:00	0.75	DT	57		TRIP OUT OF HOLE 13 STANDS TRYING TO FILL HOLE AS WE TRIPPED OUT. FIRST 10 STANDS OUT WERE DRY, NEXT 3 WERE WET.
	15:00 - 16:30	1.50	DT	57		TRY TO FILL HOLE DOWN DRILL PIPE. TOOK A TOTAL OF 162 BBLs OF MUD TO FILL HOLE.
	16:30 - 18:00	1.50	DT	57		MIXED TRIP PILL AND TRIP OUT OF HOLE F/ 6504' - 4500'.
	18:00 - 18:15	0.25	DT	57		PRE TOUR SAFETY MEETING. (TRIP OUT OF HOLE)
	18:15 - 19:00	0.75	DT	57		TRIP OUT OF HOLE F/ 4500' - 2684'.
	19:00 - 19:15	0.25	DT	57		BOP DRILL W/ CREW - TRIPPING DP - WELL SECURE & CREW IN POSITION IN 90 SECONDS.
	19:15 - 20:00	0.75	DT	57		TRIP OUT OF HOLE F/ 2684' - 1137'.
	20:00 - 21:00	1.00	DT	57		LAY DOWN 11 JTS OF 2 7/8" TUBING.
	21:00 - 22:30	1.50	DT	57		RIG OUT TUBING EQUIPMENT, CLEAN RIG FLOOR, WAIT ON ORDERS.
	22:30 - 23:15	0.75	DT	57		RUN 2 7/8" TUBING - 11 JOINTS - TO 322' (320.34' + 2.10' X/O)
	23:15 - 00:00	0.75	DT	57		TRIP IN HOLE F/ 322' - 1300'.
00:00 - 01:00	1.00	DT	57		TRIP IN HOLE F/ 1300' - 4975'. FLOW CHECK.	
01:00 - 01:15	0.25	DT	57		PRE JOB SAFETY MEETING - SLIP & CUT.	
01:15 - 02:30	1.25	DT	57		SLIP & CUT 57.6' OF DRILLING LINE.	
02:30 - 02:45	0.25	DT	57		RIG SERVICE, GREASE CROWN & BLOCKS, TOP DRIVE & DRAWWORKS, DRIVELINE.	
02:45 - 06:00	3.25	DT	57		BUILD AND CONDITION VOLUME, CLEAN RIG WHILE WAITING AT CASING SHOE.	
9/6/2010	06:00 - 06:15	0.25	DT	57		PRE TOUR SAFETY MEETING (PREVIEW JSA #62, PRESSURE WASHING)

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 17 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/6/2010	06:15 - 15:00	8.75	DT	57		CLEANING UP MUD AND CEMENT FROM RIG. MIXING MUD AND BUILDING VOLUME IN MUD PITS. CLEAN AND FLUSH 400'S.
	15:00 - 16:00	1.00	DT	57		TRIP IN HOLE TO 7086'
	16:00 - 17:45	1.75	DT	57		WORK PIPE AND CIRCULATE. LOSING APPROXIMATELY 10 BBLS / HOUR. RIGGING UP SCHLUMBERGER
	17:45 - 18:00	0.25	DT	57		PRE JOB SAFETY MEETING WITH SCHLUMBERGER, AES, AND PRECISION RIG CREWS.
	18:00 - 18:15	0.25	DT	57		PRE TOUR SAFETY MEETING. (RUNNING CEMENT PLUGS)
	18:15 - 19:15	1.00	DT	57		RUN CEMENT PLUG #5 F/ 7089' - 6589': PUMP 20 BBL H2O, FOLLOWED BY 180 SXS CLASS 'G' + ADDITIVES (37 BBL/ 15.6 LB/GAL), FOLLOWED BY 3.3 BBL H2O, AND DISPLACED WITH 92.4 BBL 13.0 LB/GAL DRILLING MUD. LOST RETURNS FOR SEVERAL MINUTES WHILE DISPLACING SLURRY WITH DRILLING MUD. TUBING STUCK WHEN TRIED TO MOVE. PULLED 40K OVER STRING WEIGHT, PULLED OFF OF 2-7/8" TUBING.
	19:15 - 20:15	1.00	DT	57		PULL 10 STANDS F/ 7089' TO 6154'.
	20:15 - 21:30	1.25	DT	57		SQUEEZE CEMENT WITH SCHLUMBERGER. SQUEEZED 4.0 BBL INTO ANNULUS AT 596 PSI, MACP FOR 13.1 LB/GAL MUD.
	21:30 - 21:45	0.25	DT	57		PULL 5 STANDS, TO 5679'.
	21:45 - 22:15	0.50	DT	57		FLOW CHECK, RIG OUT CEMENTERS, PUMP PILL.
	22:15 - 00:00	1.75	DT	57		TRIP OUT OF HOLE F/ 5679' - 1778'. FLOW CHECK @ 3360'.
	00:00 - 01:15	1.25	DT	57		TRIP OUT OF HOLE F/ 1778' - 0'. FLOW CHECK @ SURFACE.
	01:15 - 01:30	0.25	DT	57		LAY DOWN 1 JOINT OF DAMAGED 2 7/8" TUBING. LEFT 10 JOINTS OF 2-7/8" FIBERGLASS TUBING, TOTAL LENGTH 293.14' IN HOLE.
	01:30 - 02:30	1.00	DT	57		RIG OUT TUBING EQUIPMENT, CLEAN RIG FLOOR, WAIT ON ORDERS.
	02:30 - 04:15	1.75	DT	57		MAKE UP FDS+ BIT, PM 4196, AND BHA. TRIP IN HOLE.
	04:15 - 05:30	1.25	DT	57		INSTALL ROTATING RUBBER, CIRCULATE BHA, TRIP IN HOLE F/ 886.3' - 1723'.
	05:30 - 05:45	0.25	DT	57		RIG SERVICE. TROUBLESHOOT BAYLOR GRINDING.
05:45 - 06:00	0.25	DT	60		WORK ON BAYLOR BRAKE.	
9/7/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING (REVIEW JSA #8 , TRIPPING IN HOLE WORK ON BAYLOR BRAKE. CHANGED BRASS SLIDE,
	06:15 - 14:15	8.00	DT	60		TROUBLESHOOT LUBRICATION SYSTEM, NEW OILER PUMP ORDERED.
	14:15 - 15:45	1.50	D	04		TRIP IN HOLE TO 5021.
	15:45 - 16:45	1.00	D	18		TRY TO PRIME PUMPS. FILL PIPE
	16:45 - 17:30	0.75	D	08		CIRCULATE AND CONDITION MUD. GO THROUGH #2 PUMP
	17:30 - 17:45	0.25	D	04		TRIP IN HOLE TO 5729'
	17:45 - 18:00	0.25	D	13		WASH THROUGH BRIDGE AT 5729'.
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (SETTING AND PULLING SLIPS)
	18:15 - 18:45	0.50	D	04		TRIP IN HOLE F/ 5729' - 6703'. TAG POSSIBLE CEMENT STRINGERS AT 6640'. TAG CEMENT @ 6703'.
	18:45 - 00:00	5.25	D	13		DRILL CEMENT FROM 6703' - 6795', POINT OF EXPECTED TOP OF FIBERGLASS TUBING. DRILL CEMENT & FIBERGLASS TUBING F/ 6795' - 6817'.
00:00 - 02:00	2.00	D	13		DRILL CEMENT & FIBERGLASS F/ 6817' - 6843'. FIBERGLASS NOTED ON SHAKER @ 00:17 HR.	
02:00 - 02:15	0.25	D	06		RIG SERVICE ON CONNECTION. GREASE BLOCKS, TOP DRIVE, DRAWWORKS, BAYLOR BRAKE. FUNCTION UPR/ LPR - 4/4 SECONDS.	
02:15 - 06:00	3.75	D	13		DRILL CEMENT AND FIBERGLASS F/ 6843' - 6905'.	
9/8/2010	06:00 - 06:15	0.25	DT	18		PRE TOUR SAFETY MEETING (LOCKOUT / TAGOUT)

Printed: 5/31/2011 2:43:21 PM



EL PASO PRODUCTION

Page 18 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/8/2010	06:15 - 18:00	11.75	DT	67		DRILLING CEMENT AND FIBERGLASS TUBING FROM 6905'-7400'. GOOD CEMENT AND TUBING TO 7087' HARD CEMENT FROM 7087'-7090'. DRILLING 2-7/8" FIBERGLASS TUBING WITH VERY LITTLE CEMENT FROM 7090'-7400', SOME STRINGERS.
	18:00 - 18:15	0.25	DT	67		PRE TOUR SAFETY MEETING. (ROTARY DANGER ZONE, HOUSEKEEPING)
	18:15 - 19:15	1.00	DT	67		DRILL CEMENT AND FIBERGLASS TUBING. F/ 7410' - 7440 FT. FROM 7410' TO 7424' VERY LITTLE CEMENT. FROM 7424' - 7440' - HARD CEMENT - DRILLED W/ 26 - 30K WOB.
	19:15 - 20:00	0.75	DT	65		ATTEMPT TO PRIME PUMP #2. REBUILT PUMP #1.
	20:00 - 00:00	4.00	DT	67		DRILL CEMENT AND FIBERGLASS TUBING F/ 7440' - 7588'. HARD CEMENT FROM 7440' - 7995'. DRILLED W/ 28 - 30K WOB. DRILLED 7495' - 7605', MEDIUM, HARD CEMENT - 10 - 20K WOB. FROM 7605' - 7588' - VERY LITTLE CEMENT. SOME STRINGERS.
	00:00 - 00:15	0.25	DT	67		RIG SERVICE. GREASE TOP DRIVE, BLOCKS, DW & BAYLOR BRAKE. FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS - 4/ 4 SECONDS.
	00:15 - 02:45	2.50	DT	67		DRILL CEMENT AND FIBERGLASS F/ 7588' - 7770'. LOST CIRCULATION @ 7760'. FROM 7588' - 7775 - VERY LITTLE CEMENT. SOME STRINGERS. INITIAL LOSS: 128 BARRELS.
	02:45 - 04:00	1.25	DT	57		MIX LCM INTO MUD IN TANKS. WORK PIPE.
	04:00 - 04:45	0.75	DT	57		SPOT LCM SLUG. (159 BBL - 110 BBL TO FILL DP). BUILD VOLUME. PUMP 31 BBL MUD AFTER 10 MINUTES.
	9/9/2010	06:00 - 06:15	0.25	DT	57	
06:15 - 11:00		4.75	DT	57		WORK PIPE AND BUILDING VOLUME. MOVE MUD TO 400'S AND PREPARE TO DRILL WITH RESERVE PIT WATER.
11:00 - 12:00		1.00	DT	57		PUMPED 20 BBL'S OF CLEAN MUD, THEN CHANGED TO RESERVE PIT WATER. DRILLING WITH NO RETURNS.HOLE PRESSURING UP, HIGH TORQUE.
12:00 - 13:45		1.75	DT	57		CHANGE OVER TO MUD. DRILLING CEMENT AND 2-7/8" FIBERGLASS TUBING FROM 7775'-7874'.
13:45 - 14:30		0.75	DT	57		TROUBLE PRIMING PUMPS
14:30 - 16:15		1.75	DT	57		DRILLING CEMENT AND 2-7/8" FIBERGLASS TUBING FROM 7874'-7910'. DRILLING HARD CEMENT FROM 7910'-7947'.
16:15 - 18:00		1.75	DT	57		PUMP MUD FROM TRIP TANK. FILL WITH CLEAN MUD. PREPARE TO TRIP OUT. WORKING PIPE.
18:00 - 18:15		0.25	DT	57		PRE TOUR SAFETY MEETING (PULL OUT OF HOLE)
18:15 - 22:15		4.00	DT	57		TRIP OUT OF HOLE F/ 7947' - 3111'. FLOW CHECK AT 7495, 4977', 3111'. PUMPED PILL @ 6562'. NO RETURNS. PUMPED 8.7 BBL @ 7495'. NO RETURNS.
22:15 - 23:00		0.75	DT	57		FLOW CHECK AND FILL HOLE. PUMP 41 BBL'S MUD. NO RETURNS.
23:00 - 00:00		1.00	DT	57		TRIP OUT OF HOLE F/ 3111' - 971'. FLOW CHECK.
00:00 - 01:30		1.50	DT	57		FLOW CHECK. FILL HOLE W/ 39 BBL MUD. NO RETURNS. PULL ROTATING HEAD.
01:30 - 02:15		0.75	DT	57		UNPLUG FLOW LINE AT ROTATING HEAD - FILLED WITH MUSH OF LCM, CEMENT FRAGMENTS AND FINE FIBERGLASS BITS.
02:15 - 04:15		2.00	DT	57		TRIP OUT OF HOLE W/ BHA F/ 971' - 0'. FLOW CHECK @ 0'.
04:15 - 04:45	0.50	DT	57		CLEAN RIG FLOOR, PREPARE TO RUN IN DRILL PIPE, OPEN ENDED.	
9/10/2010	04:45 - 06:00	1.25	DT	57		TRIP IN HOLE W/ DRILL PIPE F/ 0' - 2500'
	06:00 - 06:15	0.25	DT	57		PRETOUR SAFETY MEETING
	06:15 - 11:30	5.25	DT	57		TRIP IN HOLE WITH OPEN ENDED DRILL PIPE TO SPOT

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION Operations Summary Report

Page 19 of 51

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Spud Date: 4/7/2010  
 Start: 3/31/2010 End: 11/22/2010  
 Rig Release: 11/22/2010 Group:  
 Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations	
9/10/2010	06:15 - 11:30	5.25	DT	57		BALANCED CEMENT PLUG TO 7854'	
	11:30 - 11:45	0.25	DT	57		PRE JOB SAFETY MEETING WITH SCHLUMBERGER, PRECISION RIG CREWS, AND BOTH CONSULTANTS.	
	11:45 - 12:45	1.00	DT	57		RIG UP SCHLUMBERGER AND CEMENT WITH 30 BBLS OF 14.5 PPG MUDPUSH, 74.3 BBLS (360 SKS) OF CLASS "G" 15.8 PPG CEMENT, 7.8 BBLS. OF 14.5 PPG. MUDPUSH, AND 88.5 BBLS OF DRILLING MUD. LOST 21.5 BBLS OF MUD AFTER CEMENT LEFT END OF DRILL PIPE.	
	12:45 - 13:45	1.00	DT	57		PULLED 15 STANDS OF DRILL PIPE TO 6450' AND BROKE CIRCULATION. (HOLE FILL TOOK 6.8 BBLS OVER)	
	13:45 - 15:00	1.25	DT	57		CIRCULATE BOTTOMS UP+. WATCHING FOR CEMENT.NO CEMENT TO SURFACE. LOST 34 BBLS OF MUD WHILE CIRCULATING. TOTAL LOSSES FROM TIME CEMENT LEFT END OF DRILL PIPE (62 BBLS.)	
	15:00 - 18:00	3.00	DT	57		PUMP PILL AND TRIP OUT OF HOLE TO 2790'	
	18:00 - 18:15	0.25	DT	57		PRE TOUR SAFETY MEETING (P.O.O.H.)	
	18:15 - 19:15	1.00	DT	57		TRIP OUT F/ 2790' - 0'. FLOW CHECK @ 0'. VOLUMES: MEASURED - 74.4, CALCULATED - 52.1, DIFFERENCE - 22.3 BBL.	
	19:15 - 21:00	1.75	DT	57		MAKE UP BIT, MAKE UP BHA. RUN BHA IN HOLE.	
	21:00 - 21:30	0.50	DT	57		INSTALL ROTATING RUBBER. FLOW CHECK AND FILL PIPE.	
	21:30 - 22:45	1.25	DT	57		TRIP IN F/ 951' TO 4984'.	
	22:45 - 00:00	1.25	DT	57		FILL PIPE AND CIRCULATE BOTTOMS UP.	
	00:00 - 00:15	0.25	DT	57		RIG SERVICE. GREASE BLOCKS, TOP DRIVE, DRAWWORKS, BAYLOR & DRIVELINE.	
	00:15 - 04:00	3.75	DT	57		WAIT ON CEMENT. BUILD VOLUME, WASH RIG, CIRCULATE AT CASING SHOE.	
	04:00 - 06:00	2.00	DT	57		TRIP IN HOLE F/ 4984' - 6842'. TAG BRIDGE OR CEMENT STRINGER @ 6794'.	
	9/11/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING. ( REVEIW JSA #10 CONNECTIONS)
		06:15 - 07:45	1.50	DT	67		CLEAN OUT PUMPS & PRIME PUMPS
07:45 - 09:30		1.75	DT	57		WASH F/ 6851'-7202'. TAG STRINGER @ 7151', 7202'	
09:30 - 10:15		0.75	DT	57		DRILL F/ 7202'-7335'. ( REPRIMING PUMPS EVERY CONNECTION & PART WAY THROUGH FULL KELLY)	
10:15 - 11:15		1.00	DT	57		CHANGE OUT ROTATING RUBBER	
11:15 - 13:15		2.00	DT	57		DRILL F/ 7335'-7490'. ( REPRIMING PUMPS EVERY CONNECTION & PART WAY THROUGH FULL KELLY)	
13:15 - 13:30		0.25	DT	57		RIG SERVICE, GREASE BAYLOR BRAKE, TOP DRIVE, FUNCTION ANNULAR 18 SEC.	
13:30 - 16:45		3.25	DT	57		DRILL F/ 7490'-7685'	
16:45 - 18:00		1.25	DT	57		CLEAN PUMPS & PRIME	
18:00 - 18:15		0.25	DT	57		PRE TOUR SAFETY MEETING. (RIG SERVICE, TRAPPED TORQUE)	
18:15 - 19:00		0.75	DT	67		ATTEMPT TO REPRIME #2 PUMP, REBUILD #1.	
19:00 - 00:00		5.00	DT	57		DRILL CEMENT F/ 7685' - 8055'. FROM 7680' - 7947' - LOST APPROX 25 BBL MUD IN 3 HOURS. VOLUMES STABILIZED WHILE DRILLING BELOW 7947'.	
00:00 - 02:00		2.00	DT	57		DRILL CEMENT F/ 8055' - 8150'.	
02:00 - 03:00		1.00	DT	67		CHANGE 2 HEADS #1 PUMP, ATTEMPT TO CIRCULATE #2 PUMP.	
03:00 - 04:45		1.75	DT	57		DRILL CEMENT F/ 8150' - 8243'	
04:45 - 05:00		0.25	DT	67		RIG SERVICE, GREASE BLOCKS, TOP DRIVE, DRAWWORKS, BAYLOR BRAKE, FUNC. UPPER PIPE RAMS, LOWER PIPE RAMS - 4/4 SECONDS.	
05:00 - 05:45		0.75	DT	57		CONNECTION @ 8243'. PRIME PUMPS.	
05:45 - 06:00	0.25	DT	57		DRILL CEMENT F/ 8243' - 8253'		

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 20 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/12/2010	06:00 - 06:15	0.25	DT	57		PRE TOUR SAFETY MEETING. (JSA # 30 MIXING CHEMICALS) DRILL CEMENT F/ 8253'-8419', NO CEMENT. WASH TO BOTTOM TAGGING STRINGER FROM 8670 TO BOTTOM CIRC BOTTOMS UP. WORK ON PUMPS, UNABLE TO PICK UP PRIME. CHANGE VALVE IN BOTH PUMPS. PRIME # 2 PUMP, 10 MIN PUMP BEFOR PUMP GOT PRIMED, PUMP FOR 25 MIN, STOP PUMP TO BRING ON #1 PUMP, UNABLE TO PRIME EATHER PUMP, TEAR DOWN PUMPS, TEAR DOWN PUMP #2 ALL VALVE RUBBERS ARE DESTROYED. CHANGE 6 SEATS IN #1 PUMP. CIRCULATE BOTTOMS UP. WORK DRILL STRING @ 8742'. PRE TOUR SAFETY MEETING (MUD PUMP REPAIRS, DRIVING) CIRCULATE AND MONITOR BACKGROUND GAS LEVELS. TRIP OUT OF HOLE F/ 8742' - 8430'. FLOW CHECK @ 8736'. PULLED STANDS 1 - 3 WITH APPROX. 10,000 LB DRAG OVER STRING WEIGHT. ON 4TH STAND PIPE PULLED TIGHT - AN ADDITIONAL 30,000 LB OVER WAS PULLED. PIPE LOWERED DOWN AND SLIPS SET. TOP DRIVE SCREWED INTO STUMP. PUMPING WAS STARTED AND ROTATION WAS INITIATED AS PIPE PULLED UP. TORQUE WAS NOTED TO BE CLIMBING AND PUMP PRESSURE CLIMBED. PUMPING WAS SHUT DOWN AND ROTATION WAS STOPPED. PIPE WAS STUCK AT 8430'. WORK STUCK PIPE. JARRING DOWN W/ 75,000 DOWN. TOP JARS WERE WORKING. LOWER JARS WERE NOT FIRING. AT 23:20, TRIED TO CIRCULATE. FLUID LEVEL NOTED TO BE 25' - 35' BELOW FLOOR LEVEL. PUMP PRESSURE CLIMBED TO 766 PSI, WITH NO RETURNS OR CHANGE IN ANNULAR FLUID LEVEL. PUMPING STOPPED. CONTINUED WORKING BY PULLING UP. TOP JARS WERE NOTED TO HAVE STOPPED FIRING GOING UP OR DOWN. SAFETY MEETING (RIG IN FREE POINT TOOLS) RIG UP FREE POINT TOOLS. RUN IN W/ WIRELINE TO FIND FREE POINT. PRE TOUR SAFETY MEETING. ( JSA #34 LOCK OUTS) RIH TO FREE POINT. TEST TOOLS @ 5999' 10 % FREE. RIH TO 7550' 0 % FREE, 7450' 0% FREE, 7300' 0% FREE, 7110' 0 % FREE, PULL UP HOLE TO 6520' 84 % FREE, 6550' 84 % FREE, 6705' 75 % FREE, 6800' 2 % FREE, 6770' 16 % FREE, 6735' 68 % FREE, SAFETY MEETING. BACK OFF @ 6658'. RIG OUT WIRELINE. BREAK CIRC. UNABLE TO BRING BOTTOMS UP, PUMP LOSING SUCTION WORK ON PUMPS, PRIME PUMPS, START PUMPING FOR 10 MIN, PUMPS LOST PRIME, WORK ON PUMPS. ATTEMPT TO PRIME PUMPS, WORK ON PUMPS, CHANGE OUT PRE CHARGE PUMP AND COMMENCE CLEANING TANK #2. PRE TOUR SAFETY MEETING ( MIXING MUD PRODUCTS, CLEANING MUD TANKS) ADD WATER TO TANK #2. FLUSH PUMPS AND SUCTION LINES. DUMP WATER IN TANK #2. MOVE USABLE MUD FROM TANK #3 & #4 INTO TANK #2. START CLEANING TANK #3. PUMP TANK #1 INTO TANK #2, AND REFILL TANK #1 W/ WATER. FINISHED CLEANING TABNK #3, AND START CLEANING TANK #4. TRANSFER MUD
	06:15 - 11:00	4.75	DT	57		
	11:00 - 11:45	0.75	DT	57		
	11:45 - 17:30	5.75	DT	57		
	17:30 - 18:00	0.50	DT	57		
	18:00 - 18:15	0.25	DT	57		
	18:15 - 20:00	1.75	DT	57		
	20:00 - 20:30	0.50	DT	59		
	20:30 - 02:45	6.25	DT	59		
	02:45 - 03:00	0.25	DT	59		
	03:00 - 04:45	1.75	DT	59		
	04:45 - 06:00	1.25	DT	59		
9/13/2010	06:00 - 06:15	0.25	DT	59		
	06:15 - 07:45	1.50	DT	59		
	07:45 - 08:00	0.25	DT	59		
	08:00 - 08:45	0.75	DT	59		
	08:45 - 09:45	1.00	DT	59		
	09:45 - 11:00	1.25	DT	59		
	11:00 - 18:00	7.00	DT	59		
	18:00 - 18:15	0.25	DT	59		
18:15 - 00:00	5.75	DT	59			

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION Operations Summary Report

Page 21 of 51

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Spud Date: 4/7/2010  
 Start: 3/31/2010  
 End: 11/22/2010  
 Rig Release: 11/22/2010  
 Group:  
 Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/13/2010	18:15 - 00:00	5.75	DT	59		FROM TANK #2 TO TANK #3. FINISH CLEANING TANK #4. REFILL TANK #1 W/ WATER. COMMENCE MIXING NEW BATCH OF MUD IN TANK #1. ADD 0.7 BBL TO ANNULUS TO BRING FLUID LEVEL UP TO BASE OF BOP STACK.
	00:00 - 03:30	3.50	DT	59		PRIME PUMPS, CIRCULATE AT 60 SPM OVER SHAKERS, TO CONDITION MUD AND SHAKE OUT LCM IN SYSTEM. BRING PUMP STROKES UP TO 120 SPM, WITH OCCASIONAL LOSSES OF PUMP PRIME.
	03:30 - 05:00	1.50	DT	59		ATTEMPT TO BRING 2 PUMPS ON LINE. SUCTION LINE LEAK ON #2. STOP PUMPS TO CONDITION MUD TO 13.2 #/GAL IN ACTIVE SYSTEM AFTER LIGHT MUD TRANSFERRED FROM TANK #1 INTO ACTIVE.
9/14/2010	05:00 - 06:00	1.00	DT	59		CIRCULATE HOLE W/ 2 PUMPS ONLINE @ 75 to 100 SPM EACH.
	06:00 - 06:15	0.25	DT	59		PRE TOUR SAFETY MEETING. JSA #9 TRIPPING OUT OF HOLE
	06:15 - 07:45	1.50	DT	59		CIRC & CONDITION MUD. PUMP SLUG
	07:45 - 09:45	2.00	DT	59		FLOW CHECK, POOH. TO 3744'.
	09:45 - 10:00	0.25	DT	59		WORK ON TOP DRIVE.
	10:00 - 12:30	2.50	DT	59		POOH. F/C @ SURFACE. WELL STATIC
	12:30 - 13:00	0.50	DT	58		RIG UP FISHING TOOLS.
	13:00 - 13:15	0.25	DT	58		SAFETY MEETING W/ FISHING TOOL HAND.
	13:15 - 17:00	3.75	DT	58		MAKE UP FISHING TOOLS, SCREW IN SUB, BUMPER JARS, DRILLING JARS, 6.5" DC, 4.5" HWDP, DRILLING JARS, 4.5" HWDP, 4.5 DP. RIH
	17:00 - 18:00	1.00	DT	58		RUN IN HOLE 0' - 880.23'.
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING. (TRIP IN HOLE)
	18:15 - 20:45	2.50	DT	58		TRIP IN HOLE. STRAP IN. FLOW CHECK @ 4886'. TAG FISH AT 6649'.
	20:45 - 21:15	0.50	DT	58		SCREW INTO FISH, TORQUE TO 16,500 FT-LB. AND VERIFY. WASHED OVER TOP OF FISH WITH 537 PSI PUMP PRESSURE. PUMP PRESSURE CLIMBED TO 1525 PSI BEFORE PUMP STOPPED. NO CIRCULATION THROUGH FISH.
	21:15 - 00:00	2.75	DT	58		JAR DOWN ONTO FISH. STRING WEIGHT = 120,000 LB. PULL UP TO 130,000 TO COCK JARS. SET DOWN TO 70,000 LB FOR JARS TO FIRE. 77" TRAVEL FROM 130,000 LB DOWN TO 70,000 LB.
00:00 - 00:30	0.50	DT	59		CHANGE OUT SAVER SUB & WORKING SINGLE.	
00:30 - 03:45	3.25	DT	58		JAR DOWN ONTO FISH. STRING WEIGHT = 120,000 LB. PULL UP TO 130,000 TO COCK JARS. SET DOWN TO 70,000 LB FOR JARS TO FIRE. 77" TRAVEL FROM 130,000 LB DOWN TO 70,000 LB. NO MOVEMENT ON FISH NOTED.	
03:45 - 06:00	2.25	DT	58		JAR UPWARDS ON FISH. STRING WEIGHT = 120,000 + FISH WEIGHT OF APPROX. 82,000 TOTALS 202,000 LB. PULL UP TO 220,000 LB TO FIRE JARS. PULL UP TO 230,000 LB. THEN SET DOWN TO 100,000 TO COCK JARS. AT 04:45 - ADDED MUD TO FILL ANNULUS. SEEPAGE LOSS FROM 21:00 HR TO 04:45 = 1.1 BBL..	
9/15/2010	06:00 - 06:15	0.25	DT	59		PRE TOUR SAFETY MEETING, JSA # 28 RIG SERVICE
	06:15 - 08:00	1.75	DT	59		STOP JARING, LOCK WASHER DROPPED ON RIG FLOOR. INSPECT DERRICK & TORQUE TUBE.
	08:00 - 09:45	1.75	DT	59		JAR DOWN ON FISH. JAR @ 80 SLACK OFF TO 60 KLBS
	09:45 - 10:45	1.00	DT	59		RIG UP FISHING TRUCK TO FREE POINT
	10:45 - 11:00	0.25	DT	59		HELD SAFETY MEETING W/ RIG CREW & FISHING CREW
	11:00 - 13:00	2.00	DT	59		TAG DEBRIS IN JARS, UNABLE TO GO THOUGH. FREE POINT @ 5665' 100 % TENSION, ROTATE 100 %. 6800' 0 % TENSION. ROTATE 0 %. 6765' 0 % TENSION. 6735' 0 % TENSION, ROTATING 0

Printed: 5/31/2011 2:43:21 PM



EL PASO PRODUCTION

Page 22 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/15/2010	11:00 - 13:00	2.00	DT	59		% .6700' 12 % TENSION, 0 % ROTATING, 6675' 82% TENSION, 100% ROTATING. 6693' 12 % TENSION, 0 % ROTATING. POOH.
	13:00 - 13:15	0.25	DT	59		HELD SAFETY MEETING W/ RIG CREW & FISHING CREW. ON STRING SHOT
	13:15 - 15:00	1.75	DT	59		RIH W/ STRING SHOT & BACK OFF @ 6650'
	15:00 - 18:00	3.00	DT	59		F/ C POOH. 6650' - 4385'
	18:00 - 18:15	0.25	DT	59		PRE TOUR SAFETY MEETING. (TRIP OUT OF HOLE)
	18:15 - 21:45	3.50	DT	59		TRIP OUT OF HOLE 4385' - 0'. FLOW CHECK @ 3360', 847', 0'.
	21:45 - 22:45	1.00	DT	59		WASH RIG FLOOR, SAFETY MEETING (RUNNING WASH PIPE), RIG TO RUN 7 5/8" WASH PIPE.
	22:45 - 23:30	0.75	DT	59		PICK UP WAVY SHOE (7 7/8") WITH 6 JOINTS OF 7 5/8" WASHPIPE.
	23:30 - 00:00	0.50	DT	59		MAKE UP WASH-OVER BHA.
	00:00 - 02:00	2.00	DT	59		RUN IN HOLE TO 1059'. FLOW CHECK. TRIP IN TO 2174'.
	02:00 - 02:15	0.25	DT	59		PUMP PILL TO STOP MUD FROM FLOWING OVER ELEVATORS WHILE LOWERING STAND INTO HOLE.
	02:15 - 03:45	1.50	DT	59		TRIP IN HOLE F/ 2174' - 4966'.
	03:45 - 06:00	2.25	DT	59		CIRCULATE AT CASING SHOE, CONDITION CONTAMINATED MUD COMING OUT OF HOLE.
	9/16/2010	06:00 - 06:15	0.25	DT	58	
06:15 - 06:30		0.25	DT	58		CIRC BOTTOMS UP @ SHOE (5000')
06:30 - 06:45		0.25	DT	58		RIH F/ 4966'-5119'
06:45 - 07:30		0.75	DT	58		CIRC, MIX UP SLUG & PUMP
07:30 - 08:15		0.75	DT	58		RIH F/ 5119'-5900'
08:15 - 09:15		1.00	DT	58		CHANGE OUT SAVER SUB & 1 JT DP, REPLACE ONE JT DP
09:15 - 11:00		1.75	DT	58		WASH IN HOLE F/ 5900'-6547', INSTALL ROTATING HEAD
11:00 - 13:15		2.25	DT	60		CIRC BOTTOMS UP AND WORK ON DERRICK LIGHTS
13:15 - 15:30		2.25	DT	58		WASH DOWN TO FISH, TAG, ROTATE SLOWLY OVER FISH. WASH OVER FISH TO 6843'
15:30 - 17:30		2.00	DT	58		CIRC BOTTOMS UP.
17:30 - 17:45		0.25	DT	58		CIRC HIGH VIS PILL & DISPLACE.
17:45 - 18:00		0.25	DT	58		LOSING FLUID RETURNS. STOP PUMPS.
18:00 - 18:15		0.25	DT	58		PRE TOUR SAFETY MEETING. JSA # 9 TRIPPING OUT OF HOLE.
18:15 - 19:45		1.50	DT	58		POOH, TO CSG SHOE. WELL TOOK 55 BBLs OVER PIPE DISPLACEMENT.
19:45 - 20:00		0.25	DT	58		RIG SERVICE. GREASE BLOCKS, TOP DRIVE, SWIVEL, FUNCTION ANNULARO/C =
20:00 - 22:00		2.00	DT	57		MONITOR WELL, WAIT ON WIRELINE TRUCK.
22:00 - 23:15		1.25	DT	57		RIG FOR WIRELINE OPERATIONS.
23:15 - 23:30		0.25	DT	57		HELD SAFETY MEETING W/ RIG CREW & WIRELINE CREW.
23:30 - 00:00		0.50	DT	57		RUN #1 FOR WIRELINE. ESTIMATED FLUID TOP APPEARS TO BE 350' BELOW RIG FLOOR.
00:00 - 01:00		1.00	DT	57		RUN #2 FOR WIRELINE. ESTIMATED FLUID TOP APPEARS TO BE 350' BELOW RIG FLOOR. NO INDICATIONS OF PRESSURE AT THIS TIME.
01:00 - 01:15	0.25	DT	57		RIG OUT WIRELINE TRUCK.	
01:15 - 02:00	0.75	DT	57		RIG UP SAVER SUB ON TOP DRIVE & SAFETY CLAMP, GRABBER GUIDE, SAFETY CHAIN.	
02:00 - 06:00	4.00	DT	57		TRIP OUT OF HOLE FROM 4963 FT.	
9/17/2010	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING. ( TRIPPING IN HOLE)
	06:15 - 06:30	0.25	DT	58		POOH RACK BACK HWDP AND COLLARS
	06:30 - 07:30	1.00	DT	58		STRUCK FOOT PAD @ STABBING BROAD W/ TOP DRIVE. TIE FOOT PAD BACK UP TO STABBING BOARD.
	07:30 - 09:15	1.75	DT	58		RACK BACK COLLAR & WASH PIPE

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION Operations Summary Report

Page 23 of 51

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Spud Date: 4/7/2010  
 Start: 3/31/2010  
 End: 11/22/2010  
 Rig Release: 11/22/2010  
 Group:  
 Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/17/2010	09:15 - 14:00	4.75	DT	60		WELD HINGE ON FOOT PAD IN STABBING BOARD AND ADD 2 TURNBUCKLES FOR TORQUE TUBE SUPPORT
	14:00 - 14:15	0.25	DT	58		RIG SERVICE, FUNCTION BLIND RAMS.
	14:15 - 15:45	1.50	DT	58		CLEAN & SCRUB RIG WAIT FOR PUMP OUT SUB.
	15:45 - 18:00	2.25	DT	58		MAKE UP SCREW IN SUB, PUMP OUT SUB, BUMPER SUB, DRILLING JARS, 6 DC, 9 HWDP, INTENSIFIER, 9 HWDP, RIH W/ DP.
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING. (TRIPPING IN HOLE)
	18:15 - 21:15	3.00	DT	58		TRIP IN HOLE F/ 975' - 6848'.
	21:15 - 21:45	0.50	DT	58		CIRCULATE OVER FISH @ 35 SPM, W/ 1 PUMP.
	21:45 - 22:00	0.25	DT	58		SCREW INTO FISH.
	22:00 - 22:30	0.50	DT	58		BREAK OFF DOUBLE PIN ON TOP DRIVE, GUIDE ON GRABBER FOR WIRELINE HEAD.
	22:30 - 22:45	0.25	DT	58		HELD SAFETY MEETING W/ RIG CREW & WIRE LINE CREW.
	22:45 - 00:00	1.25	DT	58		RIG UP WIRELINE TRUCK AND RUN SPUD TOOL ON END OF WIRELINE.
	00:00 - 00:30	0.50	DT	58		RUN WIRELINE WITH SPUD TOOL TO 7566'. COULD NOT GET PAST THIS POINT.
	00:30 - 01:30	1.00	DT	58		CHANGE OUT WIRELINE TOOL FROM SPUD TO FREE POINT.
	01:30 - 03:15	1.75	DT	58		CHANGE OUT WIRELINE TOOL. FROM FREE POINT TO STRING SHOT. BACK OFF @ 6710'.
9/18/2010	03:15 - 03:45	0.50	DT	58		RIG OUT WIRELINE TRUCK.
	03:45 - 04:15	0.50	DT	58		MAKE UP DOUBLE PIN, GRABBER GUIDE & SAFETY CHAIN ON TOP DRIVE.
	04:15 - 05:00	0.75	DT	58		PUMP AND SPOT HIGH VISCOSITY SLUG AND WORK PIPE. STARTED GETTING MUD RETURNS WHILE PUMPING.
	05:00 - 06:00	1.00	DT	58		FLOW CHECK. PULL 5 STANDS. TRIP OUT.
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING. (TRIPPING OUT OF HOLE)
	06:15 - 11:45	5.50	DT	58		POOH, F/ 3212' TO SURFACE. FLOW CHECK 3855', 688', SURFACE. NO FLOW.
	11:45 - 12:15	0.50	DT	58		CLEAN FLOOR AND PICK UP WASH PIPE TOOLS.
	12:15 - 15:00	2.75	DT	58		RIH, LAY OUT 2 JTS OF WASH PIPE, THREAD DAMAGE FROM BREAKING APART.
	15:00 - 18:00	3.00	DT	58		RIH, W/ WASHOVER STRING F/ 550' - 2462'
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING (SLIP AND CUT DRILLING LINE)
	18:15 - 20:15	2.00	DT	58		RIH W/ WASHOVER STRING F/ 2462' - 4977'.
	20:15 - 21:15	1.00	DT	58		SLIP AND CUT 60 FT OF DRILLING LINE.
	21:15 - 21:30	0.25	DT	58		RIG SERVICE. GREASE TOP DRIVE, DRAWWORKS, SWIVEL, BLOCKS.
	21:30 - 23:30	2.00	DT	58		RIH W/ WASH PIPE F/ 4977' TO 6655'.
23:30 - 00:00	0.50	DT	58		WASH OVER OPERATIONS, CIRCULATING DOWN FROM 6655' TO 6710' (TOP OF FISH). RIG CREW HAVING EXTREME TROUBLE WITH KEEPING MUD PUMPING AND CIRCULATING.	
9/19/2010	00:00 - 04:00	4.00	DT	58		WASH OVER OPERATIONS, WASH FROM 6710' - 6750'. RIG CREW HAVING EXTREME TROUBLE KEEPING MUD PUMPING AND CIRCULATING. CREW CHANGED TO BLACK RUBBER VALVE RUBBERS.
	04:00 - 06:00	2.00	DT	58		WASH OVER OPERATIONS. WASH OVER FISH FROM 6750' TO 6906'. PUMPS APPEAR TO BE HANDLING LCM WITH GREATER TOLERANCE.
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING. (TRIPPING OUT OF HOLE)
	06:15 - 08:00	1.75	DT	58		TAG TOP OF FISH @ 6911', CIRC BOTTOMS UP, SPOT HIGH 80 VIS W/ 20% LCM AROUND FISH & 200 FT ABOVE FISH.
	08:00 - 14:45	6.75	DT	58		POOH 5 ATANDS FLOW CHECK, PUMP SLUG. FLOW CHECK @

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 24 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/19/2010	08:00 - 14:45	6.75	DT	58		6465' 3979', 1000', SURFACE. MILL SHOE SOME WEAR & CRACKED.
	14:45 - 18:00	3.25	DT	58		MAKE UP SCREW IN SUB, PUMP OUT SUB, BUMPER SUB, JARS, 6 DC, 9 HWDP, INTENSIFIER 9 HWDP. RIH. W/ DP
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING. DRIVE TO AND FROM RIG.
	18:15 - 20:00	1.75	DT	58		TRIP IN HOLE WITH SCREW IN SUB F/ 3772' - 6710'.
	20:00 - 20:15	0.25	DT	58		CIRCULATE OVER FISH. SCREW IN TO FISH AT 6710'.
	20:15 - 21:00	0.75	DT	58		BREAK OUT DOUBLE PIN & GRABBER GUIDE, SAFETY CHAIN ON TOP DRIVE.
	21:00 - 21:45	0.75	DT	58		RIG UP WIRELINE TRUCK.
	21:45 - 22:00	0.25	DT	58		SAFETY MEETING W/ RIG CREW AND WIRELINE CREW.
	22:00 - 22:45	0.75	DT	58		RUN WIRELINE SPUD TOOL. RAN TOOL THROUGH JARS AT 7566' TO 8438'..
	22:45 - 00:00	1.25	DT	58		RIG OUT SPUD TOOL, RIG UP FREE POINT TOOL WITH WIRELINE. RUN IN HOLE.
	00:00 - 00:45	0.75	DT	58		RUN FREE POINT WITH WIRELINE. FREE POINT DETERMINED TO BE 6910'.
	00:45 - 01:00	0.25	DT	58		SAFETY MEETING PRIOR TO RUNNING STRING SHOT FOR BACK OFF.
	01:00 - 01:45	0.75	DT	58		RIG OUT FREE POINT TOOL TO STRING SHOT TOOL, AND BACK OFF AT 6900'.
	01:45 - 02:15	0.50	DT	58		RIG OUT WIRELINE TRUCK.
02:15 - 03:00	0.75	DT	58		MAKE UP DOUBLE PIN, GRABBER GUIDE & SAFETY CHAIN ON TOP DRIVE.	
9/20/2010	03:00 - 03:45	0.75	DT	58		SPOT 30 BBL HIGH VIS SWEEP OVER FISH & WORK PIPE.
	03:45 - 06:00	2.25	DT	58		TRIP OUT OF HOLE W/ RECOVERED DRILL PIPE F/ 6660 - 4000'. FLOW CHECK AT 6663', 6227'. PUMP PILL AT 6133'.
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING. (TRIPPING OUT OF HOLE)
	06:15 - 09:30	3.25	DT	58		POOH, F/ 3151 TO SURFACE. LAY OUT 6 JTS DP
	09:30 - 10:15	0.75	DT	58		CLEAN RIG FLOOR, INSPECT DERRICK.
	10:15 - 13:00	2.75	DT	58		MAKE UP 300 FT OF MILL SHOE AND WASH PIPE. BUMPER SUB, JARS, DC, HWDP, INTENSIFIER, HWDP.
	13:00 - 16:15	3.25	DT	58		TRIP IN HOLE F/ 975' - 4720'
	16:15 - 17:00	0.75	DT	67		REPOSITION SAFETY CLAMP ON KELLY HOSE.
	17:00 - 18:00	1.00	DT	58		TRIP IN HOLE F/ 4720' - 5941'.
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING.
	18:15 - 18:45	0.50	DT	58		TRIP IN HOLE F/ 5941' - 6784'.
	18:45 - 21:00	2.25	DT	58		CIRCULATE & WASH DOWN TO FISH, F/ 6784' - 6900. WORK ON PUMPS.
	21:00 - 00:00	3.00	DT	58		WASH OVER FISH F/ 6900' - 7211'.
	00:00 - 00:15	0.25	DT	58		WASH OVER FISH F/ 7211' - 7215'.
00:15 - 01:00	0.75	DT	58		SPOT 33 BBL OF 80 VIS / 12.5 LB/GAL MUD ALONGSIDE FISH AND 200 FT ABOVE IT.	
9/21/2010	01:00 - 03:00	2.00	DT	58		TRIP OUT OF HOLE F/ 7215' - 3609' FLOW CHECK AT 6688', 5007', 3609'
	03:00 - 03:15	0.25	DT	58		RIG SERVICE. GREASE BLOCKS, TOP DRIVE, DRAWWORKS, SWIVEL. FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS.
	03:15 - 06:00	2.75	DT	58		TRIP OUT OF HOLE F/ 3609' - 315'. HANDLE WASHPIPE. FLOW CHECK AT 1188'.
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING. (TRIPPING IN HOLE)
	06:15 - 08:00	1.75	DT	58		POOH F/ 315' TO SURFACE
	08:00 - 08:30	0.50	DT	58		MIX PILL
	08:30 - 10:30	2.00	DT	58		MAKE UP SCREW IN SUB, BUMPER SUB, JARS.
	10:30 - 14:30	4.00	DT	58		RIH W/ 6 DC, 9 HWDP, INTENSIFIER, 9 HWDP, RIH W/ DP,

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 25 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/21/2010	14:30 - 15:00	0.50	DT	58		CIRC & SCREW INTO FISH
	15:00 - 15:15	0.25	DT	58		SAFETY MEETING W/ WIRELINE CO, FISHING CO,
	15:15 - 18:00	2.75	DT	58		RIG IN WIRELINE UNIT. RIH W/ SPUD BAR. TAG BRIDGES @ 7300'
						7330' 7565' (PUSHING SOME THING DOWN HOLE
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING (RIG SERVICE)
	18:15 - 22:00	3.75	DT	58		CHANGE SPUD TOOL TO FREE POINT TOOL. RUN FREE POINT AT
						7055'. BACK OFF FISH AT 7055'. PLAN TO RECOVER 5 MORE
						SINGLES. 16 JTS DRILL PIPE STILL PART OF FISH.
	22:00 - 23:00	1.00	DT	58		RIG OUT WIRELINE TRUCK. RIG OUT WIRELINE EQUIPMENT.
	23:00 - 00:00	1.00	DT	58		REINSTALL DOUBLE PIN, TOP DRIVE GUIDE & SAFETY CHAIN.
9/22/2010	00:00 - 01:30	1.50	DT	58		CIRCULATE BOTTOMS UP AND WORK PIPE.
	01:30 - 04:00	2.50	DT	58		CIRCULATE. SPOT HIGH VISCOSITY PILL OVER FISH.
	04:00 - 04:15	0.25	DT	58		TRIP OUT OF HOLE W/ FISH F/7055' - 3465'. FLOW CHECK @ 6447',
	04:15 - 06:00	1.75	DT	58		3465'. PULL ROTATING RUBBER @ 6447'.
	06:00 - 06:15	0.25	DT	58		RIG SERVICE. FUNCTION ANNULAR. CLOSE/ OPEN - 18 SECONDS.
	06:15 - 07:45	1.50	DT	58		TRIP OUT OF HOLE F/ 3465' - 950'.
	07:45 - 09:00	1.25	DT	58		PRE TOUR SAFETY MEETING, ( TRIPPING OUT OF HOLE)
	09:00 - 09:15	0.25	DT	58		POOH 970' TO SURFACE. RECOVER 5 SINGLES
	09:15 - 09:30	0.25	DT	58		CLEAN UP RIG FLOOR & BOP. WAIT ON TESTER
	09:30 - 15:00	5.50	DT	58		PICK UP TOOLS FOR TESTER
						HELD SAFETY MEETING W/ TESTER
						PRESS TEST LOWER, UPPER PIPES, BLINDS GATE, CHOKE, TWI &
						DARTVALVE MANUAL, HCR,, VALVE ON TOP DRIVE 250 PSI LOW &
						5000 PSI HIGH. PRESS TEST MANIFOLD & CHOKES TO 250 PSI
						LOW, 5000 PSI HIGH.
						ANNULAR NOT TESTING, PULL ANNULAR APART.
						CREW CHANGE. SAFETY MEETING ON NIPPLE DOWN BOP.
						SCREW OUT ANNULR CAP. PULL OUT OLD ELEMENT RUBBER &
					CLEAN.	
					WAIT ON ELEMENT COMING FROM CASPER WYO.	
					ELEMENT SHOWED UP AT MIDNIGHT. WEATHERFORD SHIPPED	
					THE WRONG ELEMENT. SHIPPED A SHAFFER. CALLED JOHNNY	
					WITH WEATHERFORD THEY FOUND A HIGH DRILL ELEMENT	
					FROM M&M SALES FROM CASPER WYO (PHIL 1-307-259-8445).	
					HOT SHOT LEAVED CASPER AT 2:00 A.M.	
					WAIT ON HIGH DRILL ELEMENT. DRILLING CREW CLEANING RIG.	
					WAIT ON ELEMENT FOR HYDRIL.	
					INSTALL HYDRIL ELEMENT WITH NEW "O" RINGS, NIPPLE UP	
					ROTATING HEAD, HOOK UP FLOW LINE.	
					PRE JOB SAFETY MEETING WITH WEATHERFORD	
					INSTALL TEST PLUG	
					CREW CHANGE SAFETY MEETING ON TESTING BOPS.	
					TEST ANNULAR 250 PSI LOW 4000 PSI FOR 10 MIN.	
					ACCUMULATOR FUNCTION TEST.	
					FLUSH HCR LINE & MANIFOLD LINES.	
					PULL TEST PLUG.	
					TIGHTEN UP ROTATING HEAD & FLOW BOLTS.	
					INSTALL NEW WEAR BUSHING.	
					SAFETY MEETING ON TRIPPING IN HOLE & WASHING OVER WITH	
					WASH OVER PIPE.	
					MAKE UP WASH SHOE & WASH OVER PIPE & RUN IN HOLE TO	
					4934'.	
					RIG SERVICE. FLOW CHECK.	
9/23/2010	02:00 - 06:00	4.00	DT	58		
	06:00 - 12:30	6.50	DT	54		
	12:30 - 17:30	5.00	DT	54		
	17:30 - 17:45	0.25	DT	58		
	17:45 - 18:00	0.25	DT	54		
	18:00 - 18:15	0.25	DT	67		
	18:15 - 19:00	0.75	DT	54		
	19:00 - 19:30	0.50	DT	54		
	19:30 - 20:00	0.50	DT	54		
	20:00 - 20:15	0.25	DT	54		
20:15 - 22:30	2.25	DT	54			
22:30 - 22:45	0.25	DT	54			
22:45 - 23:00	0.25	DT	67			
23:00 - 04:45	5.75	DT	58			
04:45 - 05:00	0.25	DT	67			

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 26 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/23/2010	05:00 - 06:00	1.00	DT	58		TIH F/ 4934'.
9/24/2010	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING
	06:15 - 09:15	3.00	DT	58		TRIP IN HOLE TO TOP OF FISH @ 7055'
	09:15 - 09:45	0.50	DT	58		WASH OVER FISH FROM 7055'-7384'
	09:45 - 11:00	1.25	DT	58		CIRCULATE BOTTOMS UP WORKING PIPE CONTINUOUSLY.
	11:00 - 11:15	0.25	DT	58		SHORT TRIP TO TOP OF FISH
	11:15 - 12:30	1.25	DT	58		REAM BACK TO BOTTOM WASHING OVER FISH
	12:30 - 13:30	1.00	DT	58		CIRCULATE BOTTOMS UP
	13:30 - 13:45	0.25	DT	58		SHORT TRIP TO TOP OF FISH
	13:45 - 15:00	1.25	DT	58		REAM BACK TO BOTTOM WASHING OVER FISH
	15:00 - 15:45	0.75	DT	58		CIRCULATE BOTTOMS UP
	15:45 - 16:15	0.50	DT	58		SPOT 37 BBL. LCM PILL (500' OF OPEN HOLE)
	16:15 - 18:00	1.75	DT	58		TRIP OUT OF HOLE FLOW CHECK AT 6822'
	18:00 - 18:15	0.25	DT	67		CREW CHANGE SAFETY MEETING ON INSPECTION OF SLIPS.
	18:15 - 18:30	0.25	DT	58		TOOH F/ 4274' TO 4182'.
	18:30 - 18:45	0.25	DT	67		RIG SERVICE. FUNCTION ANNULAR 18 SEC.
	18:45 - 23:00	4.25	DT	58		TOOH F/ 4182' TO 0'.
	23:00 - 03:45	4.75	DT	58		MAKE UP SCREW IN SUB & FISHING TOOLS. RIH TO 7055'.
	03:45 - 04:00	0.25	DT	58		SCREW INTO FISH @ 7055'.
	04:00 - 04:30	0.50	DT	58		RIG UP WIRE LINE TRUCK.
	04:30 - 04:45	0.25	DT	58		BRAKE OUT DOUBLE PIN TOP DRIVE & GUIDE ON GRABBER & SAFETY CHAIN.
	04:45 - 05:00	0.25	DT	58		HELP SAFETY MEETING W/ RIG CREW & WIRE LINE CREW.
	05:00 - 06:00	1.00	DT	58		RU SPUD TOOL & RUN.
9/25/2010	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING (TRIPPING OUT OF THE HOLE)
	06:15 - 07:30	1.25	DT	58		TRIP IN HOLE WITH SPUD TOOL ON WIRELINE (CASED HOLE SOLUTIONS) SLOW GOING TO BOTTOM, THICK MUD. REACHED TD OF 8437' WITH SPUD BAR, PULLED UP TO 7000' AND RAN BACK TO BOTTOM. A COUPLE OF SPOTS TRIED TO FLOAT BUT WENT BACK TO BOTTOM. PULL OUT OF HOLE WITH SPUD BAR TO RUN FREE POINT.
	07:30 - 10:00	2.50	DT	58		MAKE UP FREE POINT TOOL AND TRIP IN HOLE. FREE POINT. AT 7352 (10 JOINTS) 50% FREE ON STRETCH AND 80% FREE ON TORQUE. AT 7334' (9 JOINTS) 48% FREE ON STRETCH AND 75% FREE ON TORQUE. POH TO PICK UP BACK OFF.
	10:00 - 11:45	1.75	DT	58		MAKE UP TOOLS AND RUN IN HOLE. 4/1/2 ROUNDS OF LEFT HAND TORQUE. BACKED OFF AT 7364'. RAISE WIRELINE ABOVE BREAK, BACK OUT, (2 MORE ROUNDS) PICK UP, NO DRAG.
	11:45 - 13:00	1.25	DT	58		RIG OUT FREE POINT. INSTALL SAVER SUB AND BACKUP CLAMP ON TOP DRIVE
	13:00 - 14:00	1.00	DT	58		CIRCULATE BOTTOMS UP.
	14:00 - 18:00	4.00	DT	58		TRIP OUT OF HOLE
	18:00 - 18:15	0.25	DT	58		CREW CHANGE SAFETY MEETING ON INSTALLING ROTATING HEAD.
	18:15 - 20:15	2.00	DT	58		TOOH. LD 10 JOINTS OF DRILL PIPE FISHED OUT OF HOLE. NEW TOP OF FISH @ 7365.77'. TAGGED BIT @ 8438' W/ SPUD BAR. 6 JTS OF DP STILL IN HOLE W/ BHA #11
	20:15 - 20:30	0.25	DT	58		SAFETY MEETING ON HANDLING WASH OVER PIPE.
	20:30 - 01:00	4.50	DT	58		PU & MAKE UP WASH OVER SHOE & WASH OVER PIPE. TIH TO 5025'.
	01:00 - 01:15	0.25	DT	58		RIG SERVICE. FUNCTION ANNULAR 18 SECONDS.
	01:15 - 02:30	1.25	DT	58		TIH F/ 5025' TO 7086'.
	02:30 - 04:00	1.50	DT	58		CIRCULATE & WASH DOWN F/ 7086' TO 7365' TO TOP OF FISH.

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 27 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations	
9/25/2010	04:00 - 06:00	2.00	DT	58		WASH OVER FISH F/ 7365' TO 7595'.	
9/26/2010	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING (TRIPPING OUT OF THE HOLE)	
	06:15 - 06:45	0.50	DT	58		WASH OVER FISH FROM 7595'-7695'.	
	06:45 - 07:45	1.00	DT	58		CIRCULATE BOTTOMS UP WITH BOTH PUMPS ON THE HOLE (93 SPM EACH PUMP-453 GPM)	
	07:45 - 09:00	1.25	DT	58		SHORT TRIP TO TOP OF FISH AND WASH AND REAM BACK OVER FISH TO 7695'. BOTH PUMPS ON THE HOLE AT 93 SPM EACH.-453 GPM)	
	09:00 - 10:00	1.00	DT	58		WORK PIPE AND CIRCULATE BOTTOMS UP	
	10:00 - 10:15	0.25	DT	58		SPOT HIGH VISCOSITY PILL WITH 25% LCM (500' OF OPEN HOLE)	
	10:15 - 12:30	2.25	DT	58		TRIP OUT OF THE HOLE TO 7145, FLOW CHECK, SPOT TRIP PILL.	
	12:30 - 12:45	0.25	DT	58		RIG SERVICE, FUNCTION ANNULAR 18 SECONDS, FUNCTION UPPER / LOWER 3/3	
	12:45 - 15:15	2.50	DT	58		TRIP OUT OF HOLE	
	15:15 - 15:30	0.25	DT	58		PRE JOB SAFETY MEETING ON PULLING BHA	
	15:30 - 16:30	1.00	DT	58		STAND BACK WASH PIPE AND LAY DOWN TOOLS	
	16:30 - 18:00	1.50	DT	58		PRE JOB SAFETY MEETING, MAKE UP TOOLS AND TIH WITH SCREW IN SUB.	
	18:00 - 18:15	0.25	DT	58		CREW CHANGE SAFETY MEETING ON USE OF TONGS.	
	18:15 - 21:30	3.25	DT	58		RUN IN HOLE W/ SCREW IN SUB TO 7350'.	
	21:30 - 22:00	0.50	DT	58		SCREW INTO FISH @ 7365'.	
	22:00 - 22:15	0.25	DT	58		TAKE OFF SAFETY CLAMP & BRAKE OFF DOUBLE PIN ON TOP DRIVE.	
	9/27/2010	22:15 - 22:45	0.50	DT	58		RIG UP WIRE LINE TRUCK.
		22:45 - 23:00	0.25	DT	58		SAFETY MEETING W/ RIG CREW & WIRE LINE CREW.
23:00 - 00:00		1.00	DT	58		RIG UP SPUD TOOL & RUN TO 8438'.	
00:00 - 00:15		0.25	DT	58		RIG OUT SPUD TOOL.	
00:15 - 02:00		1.75	DT	58		RIG UP FREE POINT TOOL RIH TO 7555'. WOULD GO THROUGH JARS. LD FREE POINT TOOL.	
02:00 - 03:15		1.25	DT	58		RE-RUN SPUD TOOL TO 8438'. WORK TOOL @ 7555' TILL FREE.	
03:15 - 05:00		1.75	DT	58		RE-RUN FREE POINT TOOL. 7660' 80% STRETCH 50% TORQUE. WILL RECOVER 6 JOINTS DRILL PIPE, SMITH JARS & 3 JOINTS OF HWDP.	
05:00 - 05:15		0.25	DT	58		SAFETY MEETING ON STRING SHOT TOOL.	
05:15 - 06:00		0.75	DT	58		RIG UP STRING SHOT TOOL.	
06:00 - 06:15		0.25	DT	58		PRE TOUR SAFETY MEETING (TRIPPING OUT OF THE HOLE)	
06:15 - 06:30		0.25	DT	58		RUN BACK OFF TOOL IN HOLE. ATTEMPT TO BACK OFF AT 7674' (400 GRAIN) UNSUCCESSFUL. PULL TOOL OUT OF HOLE	
06:30 - 08:30		2.00	DT	58		MAKE UP FREE POINT AND RUN IN HOLE. 7620' 58% FREE STRETCH, 70% FREE TORQUE	
08:30 - 09:15		0.75	DT	58		MAKE UP BACK OFF TOOL AND RUN IN HOLE TO 7612'. BACK UP AT 7612'. (6 JOINTS OF 4-1/2" DRILL PIPE, HYDRAULIC JARS, AND 1 JOINT OF 4-1/2" HWDP.)	
09:15 - 10:15		1.00	DT	58		RIG OUT CASED HOLE SOLUTIONS, INSTALL SAVER SUB ON TOP DRIVE.	
10:15 - 11:30		1.25	DT	58		CIRCULATE BOTTOMS UP, SPOT 37 BBL. HIGH VISCOSITY (100 VISCOSITY) LCM (25%) PILL	
11:30 - 13:45		2.25	DT	58		TRIP OUT OF HOLE	
13:45 - 14:15		0.50	DT	58		SERVICE RIG, FUNCTION HCR 3 SECONDS, UPPER PIPE 3 SECONDS, LOWER PIPE 3 SECONDS, AND ANNULAR 18 SECONDS	
14:15 - 18:00		3.75	DT	58		TRIP OUT OF HOLE, LAY DOWN FISHING TOOLS.	
18:00 - 18:15	0.25	DT	58		CREW CHANGE SAFETY MEETING ON USE OF PIPE SPINNERS.		
18:15 - 19:00	0.75	DT	58		LAY DOWN FISH. (6 JOINTS DRILL PIPE, SMITH JARS, 1 JOINT		

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 28 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/27/2010	18:15 - 19:00	0.75	DT	58		HWDP). TOP OF FISH @ 7612', BIT @ 8438' & HOLE TD IS 8742' KB.
	19:00 - 19:15	0.25	DT	58		SAFETY MEETING ON HANDLING BHA.
	19:15 - 23:00	3.75	DT	58		MU & TIH TO WASH & REAM TO FISH @ 7612'. TIH TO 4954'. (BIT SMITH MILL TOOTH FDS+ SN: PS 1259, BIT SUB SN: 07PP743, 6 JTS - 6 1/2" DRILL COLLARS, COAGAR 6 1/2" JARS SN: FX 650 . 144, 18 JTS - 4 1/2" HWDP & 4 1/2" DP 73 STANDS PLUS DOUBLE MINUS 13.74' STICK UP = 7612').
	23:00 - 23:15	0.25	DT	58		SAFETY MEETING ON SLIP & CUTTING DRILL LINE.
	23:15 - 23:45	0.50	DT	58		SLIP & CUT 54' OF DRILL LINE.
	23:45 - 00:00	0.25	DT	58		SERVICE RIG. FUNCTION HCR 3 SEC.
	00:00 - 01:15	1.25	DT	58		FINISH TIH F/ 4954' TO 6793'.
	01:15 - 05:00	3.75	DT	58		WASH & REAM F/ 6793' TO 7592'. BRING LCM UP TO 20%.
	05:00 - 06:00	1.00	DT	58		CIRCULATE BRING LCM UP TO 20% AND A 50 VIS.
	9/28/2010	06:00 - 06:15	0.25	DT	58	
06:15 - 10:00		3.75	DT	58		CIRCULATE AND CONDITION MUD, RAISING LCM TO 20%.
10:00 - 10:15		0.25	DT	58		PUMP 100 VISCOSITY 25% LCM PILL AND SPOT.
10:15 - 15:00		4.75	DT	58		TRIP OUT OF HOLE
15:00 - 16:00		1.00	DT	58		SERVICE TOP DRIVE
16:00 - 18:00		2.00	DT	58		PICK UP 8-1/8" WASHOVER PIPE. (7 JOINTS 224.31')
18:00 - 18:15		0.25	DT	58		CREW CHANGE SAFETY MEETING ON LOCK OUT.
18:15 - 19:45		1.50	DT	58		MAKE UP WASH OVER PIPE. 331.70' WASH OVER PIPE, 1.53' TOP SUB BUSHING, 8.92' BUMPER SUB, 2.23' XO, 31.47' DRILLING JARS, 175.41' 6 - DRILL COLLARS, 552.62' 18 - HWDP, 1.89' XO, 8.91' INTENSIFIER, 2.27' XO, DP.
19:45 - 23:00		3.25	DT	58		TIH F/ 1116' TO 4936'.
23:00 - 23:15		0.25	DT	58		FLOW CHECK. RIG SERVICE.
9/29/2010	23:15 - 01:00	1.75	DT	58		TIH F/ 4936' TO 7425'.
	01:00 - 02:00	1.00	DT	58		CIRCULATE & WASH F/ 7425' TO 7612'.
	02:00 - 06:00	4.00	DT	58		WASH OVER FISH F/ 7612' TO 7880'.
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING
	06:15 - 07:30	1.25	DT	58		WASH OVER FISH FROM 7880'-7943'
	07:30 - 08:30	1.00	DT	58		WORK PIPE AND CIRCULATE BOTTOMS UP. PUMP RATE 487 GPM.
	08:30 - 10:00	1.50	DT	58		SHORT TRIP TO TOP OF FISH AND WASH AND REAM BACK TO 7942'. PUMP RATE 487 GPM.
	10:00 - 11:15	1.25	DT	58		CIRCULATE BOTTOMS UP, WORKING PIPE CONSTANTLY. PUMP 37 BBL. HIGH VISCOSITY LCM PILL AND SPOT (100 VISCOSITY, 25% LCM)
	11:15 - 17:15	6.00	DT	58		TRIP OUT OF HOLE
	17:15 - 17:30	0.25	DT	58		RIG SERVICE, FUNCTION BLIND RAMS 3 SECONDS, UPPER PIPE RAMS 3 SECONDS, LOWER PIPE RAMS 3 SECONDS, HCR VALVE 3 SECONDS.
	17:30 - 18:00	0.50	DT	58		PICK UP SCREW IN SUB AND TOOLS,
	18:00 - 18:15	0.25	DT	58		CREW CHANGE SAFETY MEETING ON DRIVING TO WORK.
	18:15 - 19:15	1.00	DT	58		MAKE UP SCREW IN SUB AND BHA. SCREW IN BHA; 5.04' - 4 1/2" SCREW IN SUB, 1.98' PUMP OUT SUB, 8.98' 6" BUMPER SUB, 2.23' XO, 31.47' 6" DRILLING JARS, 175.41' 6 - 6" DRILL COLLARS, 552.62' 18 - HWDP, 1.89' XO, 8.91' 6" INTENSIFIER, 2.27' XO, DP. TOP OFF FISH @ 7612'. WASHED OVER TO 7943'.
	19:15 - 21:30	2.25	DT	58		TIH F/ 790' TO 4985'.
	21:30 - 21:45	0.25	DT	58		RIG SERVICE. FUNCTION ANNULAR.
	21:45 - 23:30	1.75	DT	58		TIH F/ 4985' TO 7612'.
	23:30 - 23:45	0.25	DT	58		SCREW INTO FISH.
	23:45 - 00:00	0.25	DT	58		BRAKE OUT DOUBLE PIN & SAFETY CLAMP & GUIDE GRABBER ON

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 29 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Spud Date: 4/7/2010  
 Start: 3/31/2010  
 End: 11/22/2010  
 Rig Release: 11/22/2010  
 Group:  
 Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/29/2010	23:45 - 00:00	0.25	DT	58		TOP DRIVE.
	00:00 - 02:00	2.00	DT	58		RIG UP WIRE LINE TRUCK RUN IN HOLE W/ SPUD TOOL TO 8438'.
	02:00 - 02:15	0.25	DT	58		RD SPUD TOOL.
	02:15 - 03:45	1.50	DT	58		RIG UP FREE POINT TOOL. RUN IN HOLE TO 7760'. COULDN'T GO ANY DEEPER. POOH W/ FREE POINT TOOL.
	03:45 - 04:00	0.25	DT	58		RD FREE POINT TOOL.
	04:00 - 05:30	1.50	DT	58		RU SPUD TOOL. RIH HOLE TO 7760'. WORKING & SPUDING FROM 7760' TO 8400'.
	05:30 - 06:00	0.50	DT	58		RD SPUD TOOL. RU FREE POINT TOOL. RIH W/ FREE POINT TOOL.
9/30/2010	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING
	06:15 - 08:15	2.00	DT	58		RUN FREEPOINT. 100% FREE ON STRETCH, 50% FREE ON TORQUE AT 7796'. PULL OUT OF HOLE WITH FREE POINT TOOL.
	08:15 - 10:00	1.75	DT	58		PRE JOB SAFETY MEETING WITH CASED HOLE SOLUTIONS, AES, GRACO, AND PRECISION RIG CREWS. RUN IN HOLE WITH BACK OFF TOOL. BACKED OFF AT 7796'. PULL TOOL OUT OF HOLE.
	10:00 - 10:45	0.75	DT	58		INSTALL SAVER SUB AND GUIDE ON TOP DRIVE.
	10:45 - 11:30	0.75	DT	58		CIRCULATE BOTTOMS UP WITH BOTH PUMPS ON THE HOLE (487 GPM) LAY DOWN CHS WIRELINE SHEAVE, PUMP HIGH VISCOSITY LCM PILL (37 BBLS, 100 VISCOSITY, AND 25% LCM)
	11:30 - 12:00	0.50	DT	58		TRIP OUT OF HOLE WITH FISH (5 HWDP AND 1-6-1/2" DRILL COLLAR) FLOW CHECK AT 7058'
	12:00 - 12:30	0.50	DT	58		RIG SERVICE. GREASE BLOCKS, TOP DRIVE, AND DRAWWORKS. PUMP TRIP PILL.
	12:30 - 14:15	1.75	DT	58		TRIP OUT OF HOLE. FLOW CHECK
	14:15 - 15:00	0.75	DT	60		CHANGE BOLTS IN TORQUE TUBE.
	15:00 - 18:00	3.00	DT	58		TRIP OUT OF HOLE, LAY DOWN JARS
	18:00 - 18:15	0.25	DT	58		CREW CHANGE SAFETY MEETING ON TRIPPING IN THE HOLE.
	18:15 - 18:30	0.25	DT	58		LD FISH 5 HWDP & 1 DC.
	18:30 - 18:45	0.25	DT	58		SAFETY MEETING ON GRACO FISHING TOOLS.
	18:45 - 02:15	7.50	DT	58		PU WASH OVER BHA & TIH TO 7796'. W/ WASH OVER BHA (332.81' WASH OVER PIPE, 1.53' TOP SUB BUSHING, 8.92' BUMPER SUB, 2.23' XO, 31.47' DRILLING JARS, 175.41' 6 - DRILL COLLARS, 552.62' 18 - HWDP, 1.89' XO, 8.91' INTENSIFIER, 2.27' XO, DP).
10/1/2010	02:15 - 06:00	3.75	DT	58		WASH OVER FISH F/ 7796/ TO 7950' KB.
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING (INCIDENT REVIEWS FROM OTHER PRECISION RIGS)
	06:15 - 06:30	0.25	DT	58		TRY TO WORK PAST JUNK FROM PREVIOUS WASH OVER SHOE
	06:30 - 07:15	0.75	DT	58		CIRCULATE BOTTOMS UP WITH 2 PUMPS (487 GPL) WORKING PIPE CONSTANTLY.
	07:15 - 08:00	0.75	DT	58		SHORT TRIP TO TOP OF FISH (7796') DID NOT PULL OFF OF FISH. NO DRAG, WASH AND REAM BACK TO BOTTOM WITH BOTH PUMPS, 487 GPM.
	08:00 - 09:00	1.00	DT	58		CIRCULATE BOTTOMS UP. SPOT HIGH VISCOSITY (100 VISC.) LCM (25%) PILL.
	09:00 - 15:00	6.00	DT	58		TRIP OUT OF HOLE 6 STANDS, PUMP TRIP PILL, TRIP OUT OF HOLE. FLOW CHECKS AT 7443, 4225, 1201, AND SURFACE.
	15:00 - 15:45	0.75	DT	58		CLEAN RIG FLOOR, CHANGE OUT MAKE UP AND BREAK OUT LINES.
	15:45 - 18:00	2.25	DT	58		MAKE UP FLAT BOTTOM WASHOVER SHOE AND TRIP IN HOLE.
	18:00 - 18:15	0.25	DT	58		CREW CHANGE SAFETY MEETING.
18:15 - 23:00	4.75	DT	58		TIH TO FISH @ 7796'. W/ WASH OVER BHA. 333.57' WASH OVER PIPE W/FLATBOTTOM MILL SHOE, 1.53' TOP SUB BUSHING, 8.92'	

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 30 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/1/2010	18:15 - 23:00	4.75	DT	58		BUMPER SUB, 2.23' XO, 31.47' DRILLING JARS, 175.41' 6 - DRILL COLLARS, 552.62' 18 - HWDP, 1.89' XO, 8.91' INTENSIFIER, 2.27' XO, DP.
10/2/2010	23:00 - 06:00	7.00	DT	58		WASH OVER FISH F/ 7790' TO 8128'.
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING (WEEKEND AWARENESS)
	06:15 - 06:30	0.25	DT	58		WASH OVER FISH
	06:30 - 07:15	0.75	DT	58		CIRCULATE BOTTOMS UP WITH BOTH PUMPS ON HOLE (487 GPM)
	07:15 - 07:45	0.50	DT	58		SHORT TRIP TO TOP OF FISH (7796') AND WASH AND REAM BACK TO BOTTOM WITH BOTH PUMPS (487 GPM)
	07:45 - 08:45	1.00	DT	58		CIRCULATE BOTTOMS UP WITH BOTH PUMPS (487 GPM) SPOT HIGH VISCOSITY (100 VISC.) LCM (25%)
	08:45 - 11:15	2.50	DT	58		TRIP OUT OF HOLE TO 4401, FLOW CHECKS @ 7569 AND 4401.
	11:15 - 11:30	0.25	DT	58		BOP DRILL, WELL SECURE AND CREW IN POSITION, 90 SECONDS
	11:30 - 15:15	3.75	DT	58		TRIP OUT OF HOLE, FLOW CHECK @ 1234', SURFACE.
	15:15 - 18:00	2.75	DT	58		MAKE UP BHA (SCREW IN SUB) AND TRIP IN HOLE
	18:00 - 18:15	0.25	DT	58		CREW CHANGE SAFETY MEETING ON TRIPPING IN THE HOLE.
	18:15 - 20:00	1.75	DT	58		TIH F/ 4514' TO 7796' TOP OF FISH.
	20:00 - 21:15	1.25	DT	58		RU WIRE LINE TRUCK.
	21:15 - 22:45	1.50	DT	58		RIH W/ SPUD BAR TOOL TO 8436'.
22:45 - 01:30	2.75	DT	58		RU FREE POINT TOOL. TOP OF FISH @ 7796' 100% FREE @ 7820', WASH OVER W/ WASH OVER PIPE TO 8128' 100% FREE @ 8120', 100% FREE @ 8190', 75 % FREE @ 8220', 75% FREE @ 8250' & 0% FREE @ 8290'.	
10/3/2010	01:30 - 02:00	0.50	DT	58		RD WIRE LINE TRUCK.
	02:00 - 06:00	4.00	DT	58		JARING ON FISH DOWN. BOTH JARS WORKING (FISHING TOOL JARS & JARS IN FISH).
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING (WEEKEND AWARENESS)
	06:15 - 09:30	3.25	DT	58		JARRING DOWN ON FISH. BOTTOM SET OF JARS QUIT FIRING
	09:30 - 10:30	1.00	DT	58		RIG UP FREE POINT SWIVEL, BREAK OFF SAVER SUB, REMOVE GUIDE ON TOP DRIVE.
	10:30 - 12:30	2.00	DT	58		RUN FREE POINT TOOL. SET UP AT 7620.(50%=100% STRETCH, 22%=100% TORQUE) AT 8215'-12% STRETCH,-8120- 40%, 8060-40% STRETCH -0% TORQUE, 8010'-25% STRETCH, 7900' 0%, 7805'-55% STRETCH AND 60% TORQUE.
	12:30 - 13:30	1.00	DT	58		PRE JOB SAFETY MEETING, RUN IN HOLE WITH BACK OFF TOOL AND BACK OFF AT 7796'. (NO RECOVERY)
	13:30 - 14:15	0.75	DT	58		RIG OUT FREE POINT SWIVEL, INSTALL SAVER SUB, CLAMP AND GUIDE ON TOP DRIVE
	14:15 - 14:45	0.50	DT	58		UNABLE TO PRIME BOTH PUMPS.
	14:45 - 15:30	0.75	DT	58		CIRCULATE BOTTOMS UP AT 487 GPM.
	15:30 - 18:00	2.50	DT	58		TRIP OUT OF HOLE
	18:00 - 18:15	0.25	DT	58		CREW CHANGE AND SAFETY MEETING ON TRIPPING OUT OF HOLE.
	18:15 - 19:30	1.25	DT	58		TOOH F/ 1345' TO 0'. LD SCREW IN BHA. FLOW CHECK @ 889'.
	19:30 - 02:00	6.50	DT	58		TIH W/ WASH OVER BHA. 366.97' WASH OVER PIPE W/FLATBOTTOM MILL SHOE, 1.53' TOP SUB BUSHING, 8.92' BUMPER SUB, 2.23' XO, 31.47' DRILLING JARS, 175.41' 6 - DRILL COLLARS, 552.62' 18 - HWDP, 1.89' XO, 8.91' INTENSIFIER, 2.27' XO & DP TO TOP OF FISH @ 7796'.
10/4/2010	02:00 - 06:00	4.00	DT	58		WASH & MILL OVER FISH F/ 7796' TO 7948'.
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING (WEEKEND AWARENESS)
	06:15 - 07:30	1.25	DT	58		WASH OVER FROM 7948'-8163'

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 31 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations	
10/4/2010	07:30 - 08:30	1.00	DT	58		CIRCULATE BOTTOMS UP WITH 2 PUMPS ON HOLE AT 430 GPM, WORKING PIPE CONSTANTLY.	
	08:30 - 08:45	0.25	DT	58		SHORT TRIP TO TOP OF FISH	
	08:45 - 09:15	0.50	DT	58		WASH BACK TO BOTTOM WITH BOTH PUMPS AT 430 GPM.	
	09:15 - 10:15	1.00	DT	58		CIRCULATE BOTTOMS UP WITH BOTH PUMPS, 430 GPM, WORKING PIPE CONSTANTLY. SPOT 37 BBL. HIGH VISCOSITY (100 VISC.) LCM (25%) PILL.	
	10:15 - 10:30	0.25	DT	58		TRIP OUT OF HOLE TO 7606', FLOW CHECK, SPOT TRIP PILL.	
	10:30 - 15:15	4.75	DT	58		TRIP OUT OF HOLE. FLAT BOTTOM WASHOVER SHOE ,CONSIDERABLE WEAR ON INSIDE AND OUTSIDE. SOME CRACKS DOWN THE SIDE. ALL INTACT.	
	15:15 - 15:30	0.25	DT	58		CLEAN FLOOR AND PREPARE TO TRIP IN HOLE WITH SCREW IN SUB.	
	15:30 - 18:00	2.50	DT	58		MAKE UP SCREW IN SUB AND TIH.	
	18:00 - 18:15	0.25	DT	58		CREW CHANGE SAFETY MEETING ON TIH.	
	18:15 - 18:30	0.25	DT	58		RIG SERVICE.	
	18:30 - 19:15	0.75	DT	58		TIH TO 7796'.	
	19:15 - 19:45	0.50	DT	58		SCREW INTO FISH.	
	19:45 - 20:00	0.25	DT	58		LD TOP DRIVE DOUBLE PIN AND PIPE GUIDE.	
	20:00 - 20:30	0.50	DT	58		RU WIRE LINE TRUCK.	
	20:30 - 20:45	0.25	DT	58		SAFETY MEETING ON FREE POINT AND BACK OFF.	
	20:45 - 22:30	1.75	DT	58		RIH W/ SPUD BAR.	
	22:30 - 00:00	1.50	DT	58		RIH W/ FREE POINT TOOL @ 8250' 80% FREE & 8 RND5 50% FREE.	
	00:00 - 01:30	1.50	DT	58		RIH W/ BACK OFF TOOL TO 8236' BACKED OFF FISH RECOVERED (11-DC, 1-JAR & 2-DC). NEW TOP OF FISH @ 8236' & BIT @ 8438'.	
	10/5/2010	01:30 - 02:30	1.00	DT	58		RD WIRE LINE TOOLS. RU DOUBLE PIN PIPE GUIDE ON TOP DRIVE.
		02:30 - 03:45	1.25	DT	58		CIRCULATE BOTTOMS UP SPOT HIGH VIS PILL.
03:45 - 06:00		2.25	DT	58		TOOH F/ TOP OF FISH @ 8236'.	
06:00 - 06:15		0.25	DT	58		PRE TOUR SAFETY MEETING (TRIPPING OUT OF HOLE)	
06:15 - 08:15		2.00	DT	58		TRIP OUT OF HOLE WITH FISH	
08:15 - 09:45		1.50	DT	58		LAY DOWN FISH, RECOVERED 13 DRILL COLLARS AND 1 SET OF COUGAR JARS.	
09:45 - 10:30		0.75	DT	58		CHANGE ELEVATORS AND PREPARE TO TRIP IN HOLE WITH WASH PIPE.	
10:30 - 12:30		2.00	DT	58		MAKE UP FLAT BOTTOM WASH OVER SHOE AND TRIP IN HOLE WITH BHA.	
12:30 - 15:15		2.75	DT	58		TRIP IN HOLE CHECKING EACH CONNECTION FOR TORQUE.	
15:15 - 15:30		0.25	DT	58		CHECK ENDPLAY IN TOPDRIVE LOADPATH.	
15:30 - 18:00		2.50	DT	58		SLIP AND CUT DRILLING LINE (57.6')	
18:00 - 18:15		0.25	DT	58		CREW CHANGE SAFETY MEETING ON TIH.	
18:15 - 19:15		1.00	DT	58		TIH W/ WASH OVER BHA TO 8020'.	
19:15 - 21:00		1.75	DT	58		WASH OVER F/ 8020' TO 8264'. TOP OF FISH @ 8236', TBR @ 8264'.	
21:00 - 00:00	3.00	DT	58		CIRCULATE BRING LCM UP TO 30%.		
00:00 - 05:00	5.00	DT	58		SPOT HI-VIS PILL & PUMP DRY PILL. TOOH LD WASH OVER & BHA.		
10/6/2010	05:00 - 06:00	1.00	DT	58		PU & MAKE UP SCREW IN SUB & BHA.	
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING (PICK UP BHA)	
	06:15 - 08:00	1.75	DT	58		PICK UP BHA	
	08:00 - 11:00	3.00	DT	58		TRIP IN HOLE TO 8229'.	
	11:00 - 12:00	1.00	DT	58		SCREW INTO FISH AND WORK STUCK PIPE.	
	12:00 - 16:15	4.25	DT	58		RIG UP FREEPOINTERS AND RUN FREEPOINT. TOP OF FISH AT 8236'. BOTTOM AT 8438'. TOP DRILL COLLAR, ABOVE TOP TBR, IS	

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 32 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/6/2010	12:00 - 16:15	4.25	DT	58		FREE. TBR IS NOT FREE.
	16:15 - 18:00	1.75	DT	58		JAR DOWN AND WORK TORQUED PIPE.
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING (TRIPPING OUT OF HOLE.)
	18:15 - 21:00	2.75	DT	58		JAR DOWN ON FISH. STRING WT: 165K, PULLING UP TO 200K, THEN SETTING DOWN TO 100 - 110K, WHERE JARS FIRE.
	21:00 - 21:30	0.50	DT	58		INSPECT DERRICK, BLOCKS, TOP DRIVE, BRAKES, DEADMAN BOLTS.
	21:30 - 00:00	2.50	DT	58		JAR DOWN ON FISH. STRING WT: 165K, PULLING UP TO 200K, THEN SETTING DOWN TO 100 - 110K, WHERE JARS FIRE.
	00:00 - 00:15	0.25	DT	58		INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE.
	00:15 - 03:00	2.75	DT	58		JAR DOWN ON FISH. STRING WT: 165K, PULLING UP TO 200K, THEN SETTING DOWN TO 100 - 110K, WHERE JARS FIRE.
	03:00 - 03:15	0.25	DT	58		INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE.
	03:15 - 06:00	2.75	DT	58		JAR DOWN ON FISH. STRING WT: 165K, PULLING UP TO 200K, THEN SETTING DOWN TO 100 - 110K, WHERE JARS FIRE.
10/7/2010	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING (SEVERE WEATHER OPERATIONS)
	06:15 - 08:00	1.75	DT	58		JAR ON FISH, STARTED TRYING TO JAR UP AND DOWN @ 8236'
	08:00 - 09:45	1.75	DT	58		RIG SERVICE, GREASE CROWN, DRAWWORKS, BAYLOR BRAKE, BLOCKS. INSPECT DERRICK AND ADJUST BRAKES.
	09:45 - 18:00	8.25	DT	58		PUT ON NEW SPOOL OF DRILLING LINE
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING (EXTREME WEATHER)
	18:15 - 20:00	1.75	DT	58		JAR ON FISH. STRING WEIGHT: 165K. UP - 200K, DOWN TO 65K, FIRE JARS.
	20:00 - 20:30	0.50	DT	58		INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE, BRAKES & LINKAGE, DEAD MAN BOLTS, TORQUE TUBE.
	20:30 - 00:00	3.50	DT	58		JAR ON FISH. STRING WEIGHT: 165K. UP - 200K, DOWN TO 65K, FIRE JARS.
	00:00 - 00:15	0.25	DT	58		INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE, BRAKES & LINKAGE.
	00:15 - 03:00	2.75	DT	58		JAR ON FISH. STRING WEIGHT: 165K. UP - 200K, DOWN TO 65K, FIRE JARS.
10/8/2010	03:00 - 03:15	0.25	DT	58		INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE, BRAKES & LINKAGE.
	03:15 - 06:00	2.75	DT	58		JAR ON FISH. STRING WEIGHT: 165K. UP - 200K, DOWN TO 65K, FIRE JARS. NO PROGRESS NOTED IN THE PAST 24 HOURS.
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING
	06:15 - 07:45	1.50	DT	58		JAR ON FISH 100,000 DOWN AND 90,000 UP, 50% OF TIME EACH WAY.
	07:45 - 08:00	0.25	DT	58		RIG SERVICE, GREASE DRAWWORKS, TOP DRIVE, BLOCKS, BAYLOR BRAKE-FUNCTION ANNULAR 17 SECONDS.
	08:00 - 10:45	2.75	DT	58		JAR ON FISH 100,000 DOWN AND 90,000 UP, 50% OF TIME EACH WAY.
	10:45 - 11:00	0.25	DT	58		DERRICK AND TOP DRIVE INSPECTION
	11:00 - 14:00	3.00	DT	58		JAR ON FISH 100,000 DOWN AND 90,000 UP, 50% OF TIME EACH WAY.
	14:00 - 14:15	0.25	DT	58		DERRICK AND TOP DRIVE INSPECTION
	14:15 - 18:00	3.75	DT	58		JAR ON FISH 100,000 DOWN AND 90,000 UP, 50% OF TIME EACH WAY.
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING. (TRIPPING OUT OF HOLE.)
	18:15 - 18:30	0.25	DT	58		INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE, ELEVATORS, DRILL INE, DEAD MAN, BRAKES & LINAKGE.
	18:30 - 19:15	0.75	DT	58		SHUT DOWN OPERATIONS DUE TO SEVERE WEATHER - HIGH WINDS AND LIGHTNING AS THUNDERSTORM PASSED OVER RIG.

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 33 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/8/2010	19:15 - 21:00	1.75	DT	58		JAR ON FISH 100,000 DOWN AND 90,000 UP, 50% OF TIME EACH WAY.
	21:00 - 21:30	0.50	DT	58		INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE, BRAKES & LINKAGE. LET JARS COOL DOWN. JARS WORKING UP APPEAR TO BE WORN, FIRING AT 35K OVER (200K ON WT. INDICATOR.)
	21:30 - 22:45	1.25	DT	58		JAR ON FISH 100,000 DOWN.
	22:45 - 01:00	2.25	DT	58		HOSE ON TOP DRIVE SERVICE LOOP DEVELOPED LEAK. CALL TOP DRIVE HAND. REPAIR. REPLACE RETURN HOSE. REHANG SERVICE LOOP.
	01:00 - 02:00	1.00	DT	58		JAR ON FISH 100,000 DOWN. TRIED JARRING UP, BUT JARS FIRED AT 35K OVER STRING. JARS DOWN ARE STILL STRONG, SO FOCUSED ON THAT DIRECTION.
	02:00 - 02:30	0.50	DT	58		REMOVE GRABBER FROM TOP DRIVE.
	02:30 - 04:30	2.00	DT	58		JAR ON FISH 100,000 DOWN.
	04:30 - 04:45	0.25	DT	58		DERRICK INSPECTION.
	04:45 - 06:00	1.25	DT	58		JAR ON FISH 100,000 DOWN.
	10/9/2010	06:00 - 06:15	0.25	DT	58	
06:15 - 07:15		1.00	DT	58		JAR DOWN ON FISH
07:15 - 08:45		1.50	DT	58		RIG UP CASED HOLE SOLUTIONS, TRIP IN HOLE WITH SPUD BAR. BRIDGE AT 53' UNABLE TO SPUD THROUGH BRIDGE.
08:45 - 09:45		1.00	DT	58		WAIT ON BAILER, INSTALL GRABBER BAR.
09:45 - 11:15		1.50	DT	58		TRY TO KNOCK LCM BRIDGE OUT OF DRILL PIPE. PULLED OUT OF ROPE SOCKET
11:15 - 15:00		3.75	DT	58		WAIT ON TOOLS
15:00 - 15:30		0.50	DT	58		RIG UP FISHING TOOLS
15:30 - 18:00		2.50	DT	58		FISH SPUD BAR FROM DRILL STRING AND LAY DOWN.
18:00 - 18:15		0.25	DT	58		PRE TOUR SAFETY MEETING (LAYING DOWN AND RIGGING OUT WIRELINE)
18:15 - 18:30		0.25	DT	58		RIG OUT WIRELINE TRUCK.
18:30 - 20:00	1.50	DT	58		WAIT ON COIL TUBING TRUCK.	
20:00 - 22:30	2.50	DT	58		SAFETY MEETING WITH BJ COIL TUBING CREW AND PLAN FOR RIGGING IN COIL TUBING EQUIPMENT.	
22:30 - 00:00	1.50	DT	58		MOVE 2 STANDS OF COLLARS AND LAY DOWN WASHOVER PIPE.	
00:00 - 01:00	1.00	DT	58		LAY DOWN WASHOVER PIPE.	
01:00 - 05:30	4.50	DT	58		LAY DOWN BOTTOM SECTION OF TORQUE TUBE. ROLL CASING TO MAKE ROOM FOR RIGGING IN COIL TUBING EQUIPMENT.	
10/10/2010	05:30 - 06:00	0.50	DT	58		SAFETY MEETING AND SPOT COIL TUBING UNIT.
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING (RIG UP BJ COILED TUBING UNIT)
	06:15 - 07:45	1.50	DT	58		MAKE UP X/O AND FLANGE ON DRILL PIPE
	07:45 - 09:15	1.50	DT	58		RIG UP COILED TUBING UNIT
	09:15 - 11:45	2.50	DT	58		PICK UP BOP STACK, TIGHTEN BOLTS, INSTALL INJECTOR, AND SECURE IN DERRICK.
	11:45 - 14:00	2.25	DT	58		FILL COILED TUBING AND PRESSURE TEST, PROBLEMS PRIMING BJ PUMP. BYPASS CENTRIFUGAL PUMP.
	14:00 - 16:15	2.25	DT	58		WASH OUT DRILL STRING WITH COILED TUBING. WASH TO 2500'.
	16:15 - 18:00	1.75	DT	58		WORK ON PUMP, WASHED SEAT, NO SPARE, WAIT ON PARTS. HOIST COIL CIRCULATING NOZZLE TO SURFACE.
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING (ADJUSTING BRAKES)
	18:15 - 20:30	2.25	DT	58		WORK ON BJ COIL TUBING UNIT PUMP. SECOND PUMP TRUCK ON WAY.
20:30 - 21:30	1.00	DT	58		START WASHING OUT DRILL PIPE FROM SURFACE. TO 2500'.	
21:30 - 23:30	2.00	DT	58		WASH OUT DRILL PIPE FROM 2500' TO 5000'. TIE IN NEW PUMPING TRUCK. CONTINUE WASHING OUT DRILL PIPE FROM	

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 34 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/10/2010	21:30 - 23:30	2.00	DT	58		5000' TO 7200'.
	23:30 - 01:00	1.50	DT	58		CIRCULATE BOTTOMS UP WITH COIL UNIT TO CLEAR MUD OF SAWDUST/LCM CONTENT PRIOR TO CIRCULATING THROUGH INTENSIFIER, WITH ID OF 2".
	01:00 - 02:00	1.00	DT	58		WASH OUT DRILL PIPE FROM 7200' TO 8399'. CIRCULATE AT 1 BBL/MIN.
	02:00 - 05:00	3.00	DT	58		CIRCULATE FOR 30 MINUTES, THEN COMMENCE SPOOLING COIL UNIT OUT OF HOLE WHILE CIRCULATING.
10/11/2010	05:00 - 06:00	1.00	DT	58		FLUSH OUT COIL AND PUMPS, PREPARE TO RIG OUT COIL UNIT.
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING ( FALL PROTECTION)
	06:15 - 06:30	0.25	DT	58		RIG SERVICE, GREASE DRAWWORKS, BAYLOR BRAKE, DRIVELINE, FUNCTION ANNULAR, UPPER PIPE RAMS 17/5 SECONDS.
	06:30 - 07:00	0.50	DT	58		PRE JOB SAFETY MEETING, RIG DOWN COIL TUBING UNIT
	07:00 - 07:45	0.75	DT	58		RIG DOWN COIL TUBING UNIT
	07:45 - 08:30	0.75	DT	58		RIG OUT FLOW LINE, BREAK OUT CHANGE OVERS, STABBING VALVE, AND 4-1/16 FLANGE, FIRE JARS (FISHING STRING FREE)
	08:30 - 12:15	3.75	DT	58		INSTALL TORQUE TUBE AND BUSHING
	12:15 - 13:00	0.75	DT	58		RIG UP FREE POINT UNIT
	13:00 - 17:30	4.50	DT	58		TRIP IN HOLE WITH SPUD BAR (TD 8372'), RUN FREE POINT, 60% FREE ON STRETCH AND 50% FREE ON TORQUE @ 8250'. BACKED OFF AT 8236 (SCREW IN SUB) LEFT 1 DRILL COLLAR, 1 TBR, 2 DRILL COLLARS, 1 TBR, 3 DRILL COLLARS, 1 BIT SUB, AND 1 8-3/4" FDS+ SMITH BIT. (IN THAT ORDER)
	17:30 - 18:00	0.50	DT	58		TRIP OUT OF HOLE
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING ( TRIP OUT OF HOLE)
	18:15 - 23:30	5.25	DT	58		TRIP OUT OF HOLE. STRAP OUT TO 1171'. FLOW CHECKS - 7349', 4000' & 1209'/
10/12/2010	23:30 - 02:00	2.50	DT	58		LAY DOWN 6 GRACO RENTAL DRILL COLLARS & 18 PD HWDP.
	02:00 - 02:15	0.25	DT	58		SAFETY MEETING W/ CSI ( INSPECT DC & HWDP THROUGH TABLE)
	02:15 - 06:00	3.75	DT	58		TRIP OUT W/ BHA, INSPECTING 6 HWDP & 12 DRILL COLLARS.
	06:00 - 06:15	0.25	DT	58		PRE JOB SAFETY MEETING ( HANDLING BHA)
	06:15 - 07:00	0.75	DT	58		LAY DOWN FISHING TOOLS
	07:00 - 07:30	0.50	DT	58		CHANGE ELEVATORS, BREAK OUT WASH PIPE C/O AND LAY DOWN
	07:30 - 08:00	0.50	DT	58		PREP BHA AND FLOOR TO TRIP IN HOLE
	08:00 - 10:30	2.50	DT	58		MAKE UP BIT AND BHA, PICKING UP 6 NEW DRILL COLLARS (DOPE PIN AND THREAD MAKE UP AND TORQUE, BREAK OUT, RE DOPE, MAKE UP AND TORQUE)
	10:30 - 12:00	1.50	DT	58		TRIP IN HOLE WITH DRILL PIPE
	12:00 - 13:15	1.25	DT	58		SLIP AND CUT DRILLING LINE. (57.5')
	13:15 - 15:45	2.50	DT	58		TRIP IN HOLE, WASH TO TOP OF FISH, SLM TOP OF FISH @ 8228'.
	15:45 - 16:45	1.00	DT	58		CIRCULATE BOTTOMS UP, WORKING PIPE CONTINUOUSLY.
	16:45 - 18:00	1.25	DT	58		TRIP OUT OF HOLE, 8228' - 6270' FLOW CHECK AT 7769', PUMP TRIP PILL.
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING (TRIP OUT OF HOLE)
	18:15 - 22:30	4.25	DT	58		TRIP OUT OF HOLE F/ 6270' - 0'. FLOW CHECK @ 4043', 879', 0'
	22:30 - 22:45	0.25	DT	58		SAFETY MEETING W/ HALLIBURTON WIRELINE CREW.
22:45 - 00:00	1.25	DT	58		RIG UP WIRELINE FOR CALIPER LOG.	
00:00 - 03:30	3.50	DT	58		RUN CALIPER LOG F/ 8228' - 5016'. LOG ON FISH @ 01:50 HR.	
03:30 - 04:00	0.50	DT	58		RIG OUT WIRELINE TRUCK.	
04:00 - 04:15	0.25	DT	58		PRE JOB SAFETY MEETING - PICK UP BHA W/ WHIPCTOCK	

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION Operations Summary Report

Page 35 of 51

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Spud Date: 4/7/2010  
 Start: 3/31/2010  
 End: 11/22/2010  
 Rig Release: 11/22/2010  
 Group:  
 Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations	
10/12/2010	04:15 - 05:00	0.75	DT	58		PICK UP DIRECTIONAL TOOLS, TO TEST.	
	05:00 - 05:15	0.25	DT	58		TRIP IN 2 STANDS TO TEST DIRECTIONAL TOOLS.	
	05:15 - 05:30	0.25	DT	58		TEST DIRECTIONAL TOOLS.	
	05:30 - 05:45	0.25	DT	58		TRIP OUT 2 STANDS.	
	05:45 - 06:00	0.25	DT	58		PICK UP WHIPSTOCK AND TOOLS.	
10/13/2010	06:00 - 06:15	0.25	DT	58		PRE JOB SAFETY MEETING (MAKING UP WHIPSTOCK)	
	06:15 - 06:30	0.25	DT	58		RIG SERVICE, GREASE DRAWWORKS, DRIVELINE, BAYLOR, FUNCTION ANNULAR 17 SECONDS.	
	06:30 - 07:30	1.00	DT	58		REPAIR EXTEND ARM ALARM, PERFORM DERRICK INSPECTION.	
	07:30 - 08:30	1.00				TEST MWD AND LAY DOWN	
	08:30 - 09:30	1.00	DT	58		PICK UP WHIPSTOCK AND MILL. PRE JOB SAFETY MEETING WITH SMITH	
	09:30 - 12:30	3.00	DT	58		MAKE UP WHIPSTOCK ASSEMBLY AND SCRIBE TO MWD. (PROBLEMS WITH WHIPSTOCK EQUIPMENT)	
	12:30 - 13:45	1.25	DT	58		MAKE UP BHA AND TIH TO 836'	
	13:45 - 16:45	3.00	DT	58		TRIP IN HOLE TO 4280', FILLING DRILL PIPE EVERY STAND WITH CLEAN MUD.	
	16:45 - 17:00	0.25	DT	58		FLOW CHECK AND FILL PIPE.	
	17:00 - 18:00	1.00	DT	58		TRIP IN HOLE F/ 4280' - 6052', FILLING DRILL PIPE EVERY STAND WITH CLEAN MUD. RUNNING IN AT 4 MIN/ STAND.	
	18:00 - 18:15	0.25	DT	58		PRE TOUR SAFETY MEETING (TRIPPING IN HOLE)	
	18:15 - 21:00	2.75	DT	58		TRIP IN HOLE F/ 6052' - 8222'.	
	21:00 - 21:15	0.25	DT	58		FILL PIPE AND TEST MWD TOOL.	
	21:15 - 21:30	0.25	DT	58		SET WHIPSTOCK AT 8222'. ORIENT @ 240 DEG AZIMUTH. SLIPS ON WHIPSTOCK SET AT 8217' +/- . TOP OF WHIPSTOCK AT 8186'.	
	21:30 - 21:45	0.25	DT	58		END OF TROUGH ON WHIPSTOCK AT 8200'.	
	21:45 - 22:45	1.00	DT	58		MILL RAT HOLE OFF WHIPSTOCK TO INITIATE SIDETRACK.	
	22:45 - 00:00	1.25	DT	58		REPAIR PUMP #2.	
	10/14/2010	00:00 - 06:00	6.00	DT	58		MILL RAT HOLE OFF WHIPSTOCK F/ 8186' - 8189'.
		06:00 - 06:15	0.25	DT	67		MILL RAT HOLE OFF WHIPSTOCK F/ 8189' - 8196'.
06:15 - 13:30		7.25	DT	67		PRE TOUR SAFETY MEETING ( REVIEW JSA #38, LOCKOUT PROCEDURES)	
13:30 - 13:45		0.25	DT	67		FLOW CHECK, PULL 5 STANDS, TRIP OUT OF HOLE.	
13:45 - 14:45		1.00	DT	67		CLEAN AND LAY DOWN MWD.	
14:45 - 17:00		2.25	DT	67		LAY DOWN MILL	
17:00 - 17:30		0.50	DT	67		STRAP DC'S AND PICK UP MUD MOTOR	
17:30 - 18:00		0.50	DT	67		ORIENT MWD / SCRIBE	
18:00 - 18:15		0.25	DT	67		INSTALL MWD.	
18:15 - 19:45		1.50	DT	67		PRE TOUR SAFETY MEETING. ( TRIPPING, WORKING IN DERRICK)	
19:45 - 21:15		1.50	DT	67		MAKE UP BIT #12, RUN IN HOLE TO 1002'.	
21:15 - 23:30		2.25	DT	67		INSTALL ROTATING HEAD, FILL PIPE, DOWNLINK MWD & PULSE TEST.	
23:30 - 00:00		0.50	DT	67		TRIP OUT FOR MWD FAILURE.	
00:00 - 00:45		0.75	DT	67		TROUBLESHOOT MWD.	
00:45 - 02:00		1.25	DT	67		TEST MWD, INSTALL AND REMOVE ROTATING RUBBER.	
02:00 - 03:00		1.00	DT	67		MAKE UP BHA & TRIP IN TO 1002'.	
10/15/2010		03:00 - 06:00	3.00	DT	60		INSTALL ROTATING RUBBER, FLOW CHECK, FILL PIPE AND ORIENT MWD & MOTOR TO 230 DEG.
	06:00 - 06:15	0.25	DT	60		REPAIR TOP DRIVE - CHANGE HYDRAULIC MOTOR.	
	06:15 - 09:00	2.75	DT	60		PRE JOB SAFETY MEETING ( REVIEW JSA #8 TRIPPING IN HOLE)	
	09:00 - 09:30	0.50	DT	58		CHANGE MOTOR ON TOP DRIVE	
	09:30 - 11:15	1.75	DT	58		CHECK TOP DRIVE FOR ALL TOOLS, PULSE TEST MWD. TRIP IN HOLE TO CASING SHOE.	

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 36 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/15/2010	11:15 - 11:45	0.50	DT	58		FILL DRILL PIPE WITH CLEAN MUD
	11:45 - 13:15	1.50	DT	58		TRIP IN HOLE TO TOP OF WHIPSTOCK AT 8187'
	13:15 - 16:00	2.75	DT	58		MWD NOT WORKING, CYCLING TRYING TO GET TOOL FACE @ 8178'. PUMPED 20 BBL. CLEAR WATER SWEEP WITH NO RESULTS.
	16:00 - 16:45	0.75	DT	58		WORK INTO TOP OF WHIPSTOCK AT 8187.5, REAM TO BOTTOM
	16:45 - 18:00	1.25	DT	58		SLIDING FROM 8196'-8202' PAST END OF WHIPSTOCK AT 8201.45'.
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING ( 90' CONNECTIONS)
	18:15 - 21:30	3.25	D	03		SLIDE F/ 8202' - 8213' AT 3.4 FT/HR
	21:30 - 00:00	2.50	D	03		DRILL 8 3/4" HOLE FROM 8213' - 8250' AT 14.8 FT/HR. ACHIEVED SURVEY @ 8140' - INC - 1.8 DEG, AZI - 223 DEG.
	00:00 - 00:45	0.75	D	03		DRILL 8 3/4" HOLE FROM 8250' - 8269' AT 25.3 FT/HR.
	00:45 - 01:00	0.25	D	06		RIG SERVICE. GREASE BLOCKS, TOP DRIVE, DRAWWORKS. FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS - 5/5 SECONDS. ACHIEVED SURVEY 8218' - INC - 2.2 DEG, AZI - 207.6 DEG.
	01:00 - 05:45	4.75	D	03		DRILL 8 3/4" HOLE FROM 8269' - 8347' AT 16.4 FT/HR. SURVEY: INC - 8243', AZI - 235.4 DEG. ROTATE FROM 8269' - 8301'. SLIDE FROM 8301 - 8313. ROTATE FROM 8313' - 8335'.
10/16/2010	05:45 - 06:00	0.25	D	05		SURVEY AND CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		CREW CHANGE & SAFETY MEETING ON RIG SERVICE.
	06:15 - 07:00	0.75	D	03		DRILLED ROTATE F/ 8335' TO 8365'.
	07:00 - 07:15	0.25	D	06		RIG SERVICE.
	07:15 - 17:15	10.00	D	03		DRILLED ROTATE F/ 8365' TO 8428', SLIDE F/ 8428' TO 8440', ROTATE F/ 8440' TO 8551'.
	17:15 - 18:00	0.75	D	05		SURVEY & CONNECTION TIME.
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING MOUSEHOLING DRILL PIPE & ROTARY DANGER ZONE
	18:15 - 19:00	0.75	D	18		PULL 2 STANDS, CHANGE WASHPIPE ON TOP DRIVE, RUN TO BOTTOM.
	19:00 - 19:30	0.50	D	03		DRILLED ROTATE F/ 8551' - 8556'.
	19:30 - 19:45	0.25	D	18		CHANGE GASKET IN #2 PUMP.
19:45 - 00:00	4.25	D	03		DRILLED ROTATE F/ 8556' - 8632'	
00:00 - 00:45	0.75	D	03		DRILLED ROTATE F/ 8632' - 8642'.	
00:45 - 01:00	0.25	D	06		RIG SERVICE. GREASE TOP DRIVE, DRAWWORKS, BAYLOR BRAKE, FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS - 5/5 SECONDS. OPEN CLOSE.	
	01:00 - 02:45	1.75	D	03		DRILLED ROTATE F/ 8642' - 8657'.
	02:45 - 03:00	0.25	D	18		CHANGE GASKET IN #2 PUMP.
	03:00 - 05:30	2.50	D	03		DRILLED ROTATE F/ 8657' - 8701'
	05:30 - 06:00	0.50	D	05		SURVEY AND CONNECTION TIME
10/17/2010	06:00 - 06:15	0.25	DT	59		CREW CHANGE & SAFETY MEETING.
	06:15 - 08:30	2.25	DT	59		DRILL F/ 8701' TO 8738'. MWD TOOL QUIT WORKING
	08:30 - 08:45	0.25	DT	59		RIG SERVICE.
	08:45 - 09:30	0.75	DT	59		DRILL F/ 8738 TO 8742'. MWD TOOL NOT WORKING.
	09:30 - 16:15	6.75	D	03		DRILL F/ 8742 TO 8890'. MWD TOOL NOT WORKING.
	16:15 - 18:00	1.75	D	05		CONNECTION & SURVEY TIME.
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING ( STEAM USAGE & WINTER OPERATIONS)
	18:15 - 21:15	3.00	D	03		DRILL F/ 8890' TO 8921'. MWD TOOL NOT WORKING.
	21:15 - 21:30	0.25	D	06		RIG SERVICE. GREASE TOP DRIVE, DRAWWORKS, BAYLOR, FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS 5/5 OPEN/ CLOSE.

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 37 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Spud Date: 4/7/2010  
 Start: 3/31/2010  
 End: 11/22/2010  
 Rig Release: 11/22/2010  
 Group:  
 Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/17/2010	21:30 - 00:00	2.50	D	03		DRILL F/ 8921' - 8948'. MWD TOOL NOT WORKING.
	00:00 - 05:45	5.75	D	03		DRILL F/ 8948' - 9010'. MWD TOOL NOT WORKING.
	05:45 - 06:00	0.25	D	05		CONNECTION & SURVEY TIME.
10/18/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE & SAFETY MEETING LOCK OUT TAG OUT.
	06:15 - 06:30	0.25	D	06		RIG SERVICE.
	06:30 - 10:30	4.00	D	03		DRILLED F/ 9010' TO 9054'.
	10:30 - 11:00	0.50	D	05		CONNECTION TIME.
	11:00 - 12:15	1.25	D	08		CIRCULATE BOTTOMS UP FOR TRIP.
	12:15 - 15:15	3.00	D	04		TOOH W/ FLOW CHECKS F/ 9054' TO 4567'.
	15:15 - 15:30	0.25	D	18		HELD BOP DRILL. WELL SECURE, MEN IN POSITION 100 SECONDS.
	15:30 - 18:00	2.50	D	04		TOOH F/ 4567' - 657'
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING. HANDLING BHA.
	18:15 - 19:15	1.00	D	04		PULL BHA.
	19:15 - 20:00	0.75	D	04		PULL MWD, LAY DOWN MOTOR.
	20:00 - 21:45	1.75	D	04		P/U NEW MOTOR, SCRIBE & P/U MWD. RUN IN TO 947'.
	21:45 - 23:00	1.25	D	04		FLOW CHECK. INSTALL ROTATING HEAD. FILL PIPE & PULSE TEST.
	23:00 - 00:00	1.00	D	04		TRIP IN HOLE TO 4261'.
	10/19/2010	00:00 - 00:15	0.25	D	04	
00:15 - 00:45		0.50	D	05		FILL PIPE, PULSE TEST.
00:45 - 02:45		2.00	D	04		TRIP IN HOLE, WASH LAST 2 STANDS TO BOTTOM.
02:45 - 05:30		2.75	D	03		PATTERN BIT & DRILL F/ 9054' - 9200'
05:30 - 06:00		0.50	D	05		SURVEY & CONNECTION TIME.
06:00 - 06:15		0.25	D	18		CREW CHANGE AND SAFETY MEETING ON CONNECTIONS.
06:15 - 07:00		0.75	D	03		DRILL F/ 9200' TO 9262'.
07:00 - 08:45		1.75	DT	60		REPAIR #1 MUD PUMP (BROKEN VALVE GUIDE & WEDGED INTO SEAT, CHANGE OUT TWO VALVE SEATS).
08:45 - 09:30		0.75	D	03		DRILL F/ 9262' TO 9292'.
09:30 - 09:45		0.25	D	06		RIG SERVICE.
09:45 - 16:45		7.00	D	03		DRILL F/ 9292' TO 9605'.
16:45 - 18:00		1.25	D	05		SURVEY & CONNECTION TIME.
18:00 - 18:15		0.25	D	18		CREW CHANGE AND SAFETY MEETING ON SETTING/ PULLING SLIPS, INCIDENT REVIEW.
18:15 - 19:00		0.75	D	03		DRILL F/ 9605 TO 9663'.
19:00 - 19:15		0.25	D	06		RIG SERVICE. GREASE BAYLOR, DRAWWORKS, TOP DRIVE, FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS 5/5 SECONDS OPEN/ CLOSE.
10/20/2010	19:15 - 00:00	4.75	D	03		DRILL F/ 9663' - 9847'.
	00:00 - 05:15	5.25	D	03		DRILL F/ 9847' -
	05:15 - 06:00	0.75	D	05		SURVEY AND CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING.
	06:15 - 08:00	1.75	D	03		DRILLED F/ 10025' TO 10027'.
	08:00 - 09:15	1.25	D	08		CIRCULATE HOLE CLEAN.
	09:15 - 17:30	8.25	D	04		TOOH FOR BIT TRIP. LD AND SERVICE MWD TOOL. LD BIT #15.
	17:30 - 18:00	0.50	D	04		PU BIT #16 & SERVICE MWD TOOL.
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING (TRIP IN HOLE)
	18:15 - 21:15	3.00	D	04		MAKE UP BHA AND RUN TO 5004'
	21:15 - 21:45	0.50	D	05		FLOW CHECK, FILL PIPE & PULSE TEST.
	21:45 - 22:00	0.25	D	18		SAFETY MEETING (SLIP & CUT DRILLING LINE.)
22:00 - 23:00	1.00	D	18		SLIP & CUT DRILLING LINE. - 71.6' CUT.	
23:00 - 00:00	1.00	D	04		TRIP IN HOLE TO 7336'.	
00:00 - 01:30	1.50	D	04		TRIP IN HOLE F/ 7336' - 9862'.	

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 38 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Spud Date: 4/7/2010  
 Start: 3/31/2010  
 End: 11/22/2010  
 Rig Release: 11/22/2010  
 Group:  
 Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/20/2010	01:30 - 02:30	1.00	D	07		REAM TO BOTTOM, TAGE AT 10021'.
	02:30 - 03:15	0.75	D	03		DRILL 8 3/4" HOLE F/ 10021 - 10027.
	03:15 - 03:30	0.25	D	18		BOP DRILL W/ CREW.
	03:30 - 05:45	2.25	D	03		DRILL FROM 10027' - 10045. SLIDE - 10031' - 10045'.
10/21/2010	05:45 - 06:00	0.25	D	05		SURVEY AND CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		CREW CHANGE & SAFETY MEETING.
	06:15 - 08:00	1.75	D	03		DRILLED F/ 10045' TO 10065'.
	08:00 - 09:45	1.75	D	08		CIRCULATE AND CONDITION MUD.
	09:45 - 17:30	7.75	D	04		TOOH FOR OPEN HOLE LOGS. LD BHA #16.
	17:30 - 18:00	0.50	D	18		RU HALLIBURTON.
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING. (WIRELINE LOGS)
	18:15 - 23:30	5.25	D	11		RUN WIRELINE LOGS W/ HALLIBURTON. LOGGERS T.D.: 10065' @ 19:25 HR, OCT. 20. TOOLS RUN: GAMMA RAY/ DUAL SPACED NEUTRON (GR/ DSN) 10056' - 100', SPECTRAL DENSITY/ ARRAY COMPENSATED RESISTIVITY (SDL/ ACRI) + CALIPER 10056' - 5016'. LOGGING TOOL HAD NO PROBLEM RUNNING IN HOLE, BUT CALIPER WAS CAUGHT ON WHIPSTOCK. LOWERED TOOL, CLOSED CALIPER, PULLED THROUGH WITHOUT PROBLEM, AND LOGGED OUT.
	23:30 - 00:00	0.50	D	04		MAKE UP BIT AND BHA.
10/22/2010	00:00 - 01:00	1.00	D	04		MAKE UP BHA, INSTALL ROTATING RUBBER, FILL BHA & FLOW CHECK.
	01:00 - 05:00	4.00	D	04		TRIP IN HOLE F/ 885' - 10065' FILL PIPE AT 8
	05:00 - 06:00	1.00	D	08		CIRCULATE BOTTOMS UP.
	06:00 - 06:15	0.25	D	18		CREW CHANGE & SAFETY MEETING ON LAYING DOWN PIPE.
	06:15 - 07:45	1.50	D	08		CIRCULATE & CONDITION HOLE FOR TRIP.
	07:45 - 18:00	10.25	D	04		TOOH LD PIPE & BHA #17.
	18:00 - 18:15	0.25	D	18		CREW CHANGE & SAFETY MEETING (LAY DOWN PIPE)
	18:15 - 19:45	1.50	D	04		LAY DOWN BHA, FLOW CHECK @ 0'.
	19:45 - 20:15	0.50	D	12		PULL WEAR BUSHING.
	20:15 - 21:00	0.75	D	12		RIG UP TO RUN CASING.
	21:00 - 21:15	0.25	D	12		SAFETY MEETING. (RIG UP CDS)
	21:15 - 22:15	1.00	D	12		RIG UP TESCO CDS TOOL.
	22:15 - 22:30	0.25	D	12		SAFETY MEETING - RUNNING 7" CASING.
10/23/2010	22:30 - 00:00	1.50	D	12		MAKE UP SHOE TRACK AND RUN 10 JTS OF 7" CASING. (443')
	00:00 - 06:00	6.00	D	12		RUN 7" CASING FROM 443' (10 JTS) TO 4209' (96 JTS).
	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING ON RUNNING CASING.
	06:15 - 08:30	2.25	D	12		PU & RUN 7" CASING F/ 0' TO 4438'. LOST CIRCULATION.
	08:30 - 09:15	0.75	DT	57		BUILD MUD VOLUME. MOVING CASING AT ALL TIMES.
	09:15 - 10:30	1.25	D	12		PU & RUN 7" CASING F/ 4438' TO 4967'.
	10:30 - 18:00	7.50	DT	57		BUILD MUD VOLUME. TOTAL MUD LOST IN LAST 12 HOURS 950 BBLs 13.2# 30% LCM 50 VIS. MOVING CASING AT ALL TIMES.
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING. (MIXING INTO HOPPER)
	18:15 - 20:30	2.25	DT	57		BUILD VOLUME, ATTEMPT TO REGAIN CIRCULATION. PUMP VIS - 80. WT 13.2. LCM - 30% AT 50 SPM WHILE WORKING CASING AT 4967'. NO RETURNS. LOST 260 BARRELS, NO RETURNS.
	20:30 - 20:45	0.25	D	18		CIRCULATING PRESSURE: 418 PSI
						PREJOB SAFETY MEETING. RUNNING 7" CASING W. TESCO WHILE LOSING CIRCULATION.
	20:45 - 00:00	3.25	D	12		PU & RUN 7" CASING (P-110 29 LB/FT LT&C) FROM 4967' - 6806'.
	00:00 - 06:00	6.00	D	12		RUN 7" CASING FROM 6806' TO 10013' PUMPED 20 BBL MUD AT 7529'. NO RETURNS. CIRCULATING PRESSURE: 600 PSI. PUMPED 20 BBL MUD AT 8500'. NO RETURNS. CIRCULATING PRESSURE:

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 39 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/23/2010	00:00 - 06:00	6.00	D	12		725 PSI. WHILE CIRCULATING LAST THREE JTS TO BOTTOM - NO RETURNS, PRESSURE: 959 PSI.
10/24/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE & SAFETY MEETING RIGGING OUT TESCO TOOLS.
	06:15 - 07:45	1.50	D	12		TAG TD @ 10065'. LD TAG JT. PU LANDING JOINT. RAN FLOAT SHOE, SHOE JOINT, FLOAT COLLAR, 228 JOINTS & 1 MARKER JOINT OF 7" 29# PER FOOT P-110 LTC CASING, PUP JOINT, CASING LANDING HANGER, LANDING TOOL, AND A LANDING JOINT, TOTAL LENGTH 10,058.85'. FILLING CASING EVERY 5 JOINTS TIH. NO CIRCULATION. MUD STAYING AT SURFACE. 7" CASING KB SET DEPTH @ 10058.85' KB. 7" CASING GROUND LEVEL SET DEPTH @ 10040.85'. CENT. ON FIRST 3 JTS EVERY 3RD JT THERE AFTER.
	07:45 - 09:45	2.00	D	12		RD TESCO.
	09:45 - 12:00	2.25	D	14		RIG UP SCHLUMBERGER.
	12:00 - 18:00	6.00	D	14		CEMENT 7" 29# P-110 LTC CASING WITH 5 BBLS FRESH WATER, 20 BBLS 13.8# MUDPUSH, TAIL CEMENT 205 BBLS (790 SKS) 14.5 PPG, YIELD 1.46 FT3/SK, WATER 7.1GAL/SK, DROP PLUG ON FLY, DISPLACED WITH WATER 371.5 BBLS DIDN'T BUMP PLUG, PUMP .8 BBLS OF WATER, DIDN'T LAND PLUG. FLOATS DIDN'T HOLD. SHUT CMT HEAD VALVES OFF FOR 4 HRS. FLOATS HELD. NO RETURNS DURING CEMENT JOB. RD & RELEASE SCHLUMBERGER.
	18:00 - 18:15	0.25	D	18		CREW CHANGE & SAFETY MEETING. CHANGING PIPE RAMS.
	18:15 - 19:00	0.75	D	14		WAIT ON CEMENT & HOLD PRESSURE ON CASING. OPEN RAM DOORS TO CHANGE RAMS. BLEED OFF CASING @ 19:00 HR - 4.8 BBL RETURN.
	19:00 - 20:30	1.50	D	14		RIG OUT CEMENT HEAD & ELEVATORS. BJ 350 TON ELEVATORS WOULD NOT RELEASE FROM LANDING JOINT. CLEAN MUD TANKS.
	20:30 - 23:00	2.50	DT	57		RIG UP CASED HOLE SOLUTIONS WIRELINE. RUN TEMPERATURE LOG. TEMPERATURE CHANGE APPEARS TO INDICATE CEMENT TOP AT 5500 FT +/- . CLEAN MUD TANKS.
	23:00 - 23:30	0.50	D	15		CHANGE RAMS TO 3 1/2" ON BOP STACK. CLEAN MUD TANKS.
	23:30 - 00:00	0.50	D	15		LAY DOWN LANDING JOINT & ELEVATORS. WAIT ON DOOR SEALS FOR UPPER PIPE RAMS. CLEAN MUD TANKS.
	00:00 - 02:30	2.50	D	15		CHANGE BALES ON TOP DRIVE & INSTALL PACK-OFF ASSEMBLY W/ WEATHERFORD . TEST TO 5,000 PSI FOR 10 MINUTES. CLEAN MUD TANKS.
	02:30 - 03:00	0.50	D	15		CHANGE SAVER SUB TO 3 1/2".
	03:00 - 03:15	0.25	D	15		SAFETY MEETING. PRESSURE TESTING.
	03:15 - 06:00	2.75	D	15		TEST IBOP, HCR & INSIDE KILL - 250 LOW, 10,000 HIGH, 10 MINUTES EACH TEST.
10/25/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE & SAFETY MEETING.
	06:15 - 16:30	10.25	D	09		PRESSURE TEST BLIND RAMS. STABBING VALVES, HCR & MANUAL. TOP DRIVER VALVES, LPR, UPR, KILL LINE AND ALL AJACENT MANUAL VALVES, 250 PSI LOW & 10000 PSI HIGH FOR 10 MINS EACH. TEST STAND PIPE & ANNULAR 250 PSI LOW & 4000 PSI HIGH. PRESSURE TEST CASING 2500 PSI FOR 30 MINUTES. OK.
	16:30 - 16:45	0.25	D	09		TEST ACCUMULATOR OK.
	16:45 - 18:00	1.25	D	04		RIG TO RUN BHA #18.
	18:00 - 18:15	0.25	D	18		CREW CHANGE & SAFETY MEETING - PICKING UP BHA & DP

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 40 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/25/2010	18:15 - 20:30	2.25	D	18		STRAP, TALLY & DRIFT 3 1/2" DRILL PIPE. BUILD VOLUME AND CONDITION MUD SYSTEM. PIPE COUNT: 467 JTS OF 3 1/2" DRILL PIPE ON LOCATION.
	20:30 - 21:45	1.25	D	05		MAKE UP BIT, DIRECTIONAL TOOLS & SCRIBE @ 1.5 DEGREE BEND ON MOTOR.
	21:45 - 00:00	2.25	D	04		PICK UP BHA.
10/26/2010	00:00 - 00:15	0.25	D	05		PULSE TEST MWD TOOL.
	00:15 - 06:00	5.75	D	04		PICK UP 3 1/2" DRILL PIPE, TRIP IN HOLE.
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING ( PICKING UP 3-1/2" DRILL PIPE)
	06:15 - 07:45	1.50	D	04		PICK UP 3-1/2" DRILL PIPE F/ 7044'-7893'
	07:45 - 08:00	0.25	D	18		HELD BOP DRILL, OPEN HCR 3 SECONDS, CLOSE ANNULAR 18 SECONDS, WELL SECURE.
	08:00 - 08:15	0.25	D	18		PRE JOB SAFETY MEETING (SLIP AND CUT)
	08:15 - 09:15	1.00	D	18		SLIP AND CUT DRILLING LINE
	09:15 - 10:15	1.00	D	18		STRAP AND DRIFT 3-1/2" DRILL PIPE
	10:15 - 12:30	2.25	D	04		PICK UP 3-1/2" DRILL PIPE FROM 7893'-9936'
	12:30 - 13:15	0.75	D	08		DISPLACE HOLE WITH 11.0 PPG MUD, NO LCM
	13:15 - 16:45	3.50	D	18		DRILLING CEMENT FROM 9,936'-10,058. DRILLED 6' OF NEW HOLE. (TOP OF CEMENT AT 9936', TAGGED PLUG AT 9990', FLOAT COLLAR @ 10,011', TOP OF FLOAT SHOE @ 10,056'
	16:45 - 18:00	1.25	D	08		CIRCULATE BOTTOMS UP FOR FIT.
	18:00 - 19:00	1.00	D	18		CREW CHANGE & PRE JOB SAFETY MEETING (FIT) PERFORM F.I.T. MUD WEIGHT 11.0 PPG, ADDED SURFACE PRESSURE 2300 PSI. LEAKOFF GRADIENT 0.8, EQUIVALENT MUD WEIGHT 15.4 PPG.
10/27/2010	19:00 - 00:00	5.00	D	03		DRILL F/ 10065' TO 10173'.
	00:00 - 00:15	0.25	D	06		RIG SERVICE.
	00:15 - 05:15	5.00	D	03		DRILLED F/ 10173' TO 10280'. SLIDE F/ 10179' TO 10191'.
	05:15 - 06:00	0.75	D	05		CONNECTION & SURVEY TIME.
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING ( REVIEW JSA #10, 90' CONNECTIONS)
	06:15 - 11:15	5.00	D	03		DRILLING 6-1/8" HOLE FROM 10,280'-10,370'
	11:15 - 11:45	0.50	D	06		LUBRICATE RIG, GREASE BLOCKS, TOP DRIVE, DRAW WORKS, SWIVEL. FUNCTION ANNULAR, C/O 18 SECONDS.
	11:45 - 17:15	5.50	D	03		DRILLING 6-1/8" HOLE FROM 10,370'-10,465'
	17:15 - 18:00	0.75	D	18		ACCUMULATED CONNECTION AND SURVEY TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE & SAFETY MEETING ON CONNECTIONS.
10/28/2010	18:15 - 05:30	11.25	D	03		DRILL F/ 10465' TO 10610. SLIDE F/ 10465' TO 10473' & 10560' to 10577'.
	05:30 - 06:00	0.50	D	05		ACCUMULATED CONNECTION & SURVEY TIME.
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING (90' CONNECTIONS)
	06:15 - 16:00	9.75	D	03		DRILLING 6-1/8" HOLE FROM 10,610'-10,750'
	16:00 - 16:30	0.50	D	06		LUBRICATE RIG , FUNCTION ANNULAR, 18 SECONDS.
	16:30 - 17:30	1.00	D	03		DRILLING FROM 10,750'-10,774.
	17:30 - 18:00	0.50	D	18		ACCUMULATED CONNECTION TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE SAFETY MEETING ON LOCK OUT TAG OUT.
	18:15 - 22:15	4.00	D	03		DRILL F/ 10774' TO 10845'.
	22:15 - 22:30	0.25	D	06		RIG SERVICE,
	22:30 - 23:45	1.25	D	03		DRILL F/ 10845' TO 10865'.
	23:45 - 00:00	0.25	D	05		ACC. CONNECTION AND SURVEY TIME.
	10/29/2010	00:00 - 05:15	5.25	D	03	
05:15 - 06:00		0.75	D	05		ACC. CONNECTIONS AND SURVEY TIME.
06:00 - 06:15		0.25	D	18		PRE TOUR SAFETY MEETING (

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 41 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Spud Date: 4/7/2010  
 Start: 3/31/2010  
 End: 11/22/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/29/2010	06:15 - 11:30	5.25	D	03		DRILLING 6-1/8" HOLE FROM 10,955'-11,034'
	11:30 - 12:00	0.50	D	06		LUBRICATE RIG, FUNCTION PIPE RAMS
	12:00 - 17:00	5.00	D	03		DRILLING 6-1/8" HOLE FROM 11,034'-11,128'
	17:00 - 18:00	1.00	D	05		ACCUMULATED SURVEY AND CONNECTION TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE SAFETY MEETING.
	18:15 - 23:00	4.75	D	03		DRILL F/ 11128' TO 11204'. SLIDE F/ 11144' TO 11148', 11160' TO 11179', 11194' TO 11199'.
	23:00 - 00:00	1.00	D	05		ACCULATED SURVEY & CONNECTION TIME.
	00:00 - 01:45	1.75	D	03		DRILL F/ 11204' TO 11225'. SLIDE F/ 11206' TO 11212'.
	01:45 - 02:00	0.25	D	06		RIG SERVICE.
	02:00 - 05:30	3.50	D	03		DRILL F/ 11225' TO 11276'.
10/30/2010	05:30 - 06:00	0.50	D	05		ACCULATED SURVEY & CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING
	06:15 - 07:15	1.00	D	08		CIRCULATE BOTTOMS UP, PRE JOB SAFETY MEETING.
	07:15 - 16:00	8.75	D	04		TRIP FOR BIT AND BHA CHANGE. FLOW CHECK AT 10,842', CHANGE BITS,LAY DOWN TBR'S, MUD MOTOR. PICK UP NEW MUD MOTOR, BEND TO 1.83.
	18:00 - 18:15	0.25	D	18		CREW CHANGE SAFETY MEETING.
	18:15 - 01:15	7.00	D	04		PU DIRECTIONAL TOOLS & BHA #19 TIH TO 9019'. FILL & FLOW CHECKS.
	01:15 - 01:30	0.25	D	06		RIG SERVICE.
	01:30 - 02:30	1.00	D	04		TIH F/ 9019' TO 10918'.
	02:30 - 04:15	1.75	D	07		WASH & REAM F/ 10918' TO 11277'.
	04:15 - 06:00	1.75	D	03		PATTERN BIT & DRILL F/ 11277' TO 11300'. SLIDE F/ 11285' TO 11288'.
10/31/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING ( SETTING CROWN SAVER)
	06:15 - 13:00	6.75	D	03		DRILLING 6-1/8" HOLE FROM 11,300'-11,043'
	13:00 - 13:30	0.50	D	06		LUBRICATE RIG AND FUNCTION BOP
	13:30 - 16:30	3.00	D	03		DRILLING 6-1/8" HOLE FROM 11,043'-11,500'
	16:30 - 18:00	1.50	D	18		ACCUMULATED SURVEY AND CONNECTION TIME. PROBLEMS WITH MWD. WORKS INTERMITENTLY.
	18:00 - 18:15	0.25	D	18		CREW CHANGE SAFEY MEETING ON WORKING WITH STEAM.
	18:15 - 23:15	5.00	D	03		DRILL F/ 11500' TO 11590'. SLIDE F/ 11536' TO 11551'.
	23:15 - 00:00	0.75	D	05		ACCUMULATED SURVEY AND CONNECTION TIME. PROBLEMS WITH MWD. WORKS INTERMITENTLY.
	00:00 - 00:15	0.25	D	03		DRILL F/ 11590' TO 11595'.
	00:15 - 00:30	0.25	D	06		RIG SERVICE.
11/1/2010	00:30 - 05:30	5.00	D	03		DRILL F/ 11595' TO 11690'. SLIDE F/ 11595' TO 11615'.
	05:30 - 06:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING ( MANRIDER OPERATIONS)
	06:15 - 16:00	9.75	D	03		DRILLING 6-1/8" HOLE FROM 11,690'-11,950' RAISING MUD WEIGHT .1 PPG PER CIRCULATION. SHORT LOOPING SYSTEM THROUGH PIT #1 THEN #5. OIL OVER SHAKERS AT 11,800'.
	16:00 - 18:00	2.00	D	18		ACCUMULATED CONNECTION, SURVEY TIME, AND DIRECTIONAL WORK. TOOL NOT PULSING.
	18:00 - 18:15	0.25	D	18		CREW CHANGE SAFETY MEETING ON MIXING CHEMICALS.
	18:15 - 19:30	1.25	D	03		DRILL F/ 1150' TO 11976'. RAISE MUD WT. F/ 11.7 TO 11.8 PPG. PROBLEMS WITH MWD. WORKS INTERMITENTLY.
	19:30 - 19:45	0.25	D	06		RIG SERVICE.
	19:45 - 23:00	3.25	D	03		DRILL F/ 11976' TO 12020'. SLIDE F/ 11976' TO 11990'. RAISE MUD WT. F/ 11.8 TO 12.4 PPG. PROBLEMS WITH MWD. WORKS INTERMITENTLY.
	23:00 - 00:00	1.00	D	05		ACCUMULATED SURVEY AND CONNECTION TIME. PROBLEMS

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Spud Date: 4/7/2010  
 Start: 3/31/2010  
 End: 11/22/2010  
 Rig Release: 11/22/2010  
 Group:  
 Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/1/2010	23:00 - 00:00	1.00	D	05		WITH MWD. WORKS INTERMITTENTLY.
	00:00 - 01:30	1.50	D	03		DRILL F/ 12020' TO 12044'. NO SLIDE PROBLEMS WITH MWD. WORKS INTERMITTENTLY.
	01:30 - 02:30	1.00	D	05		ACCUMULATED SURVEY TIME. PROBLEMS WITH MWD. WORKS INTERMITTENTLY.
	02:30 - 06:00	3.50	DT	64		CIRCULATE & CONDITION MUD. WORK DRILL STRING. MUD WT. 12.4 PPG TO 12.9 PPG @ 12.7 PPG.
11/2/2010	06:00 - 06:15	0.25	DT	64		PRE TOUR SAFETY MEETING (
	06:15 - 10:30	4.25	DT	64		CIRCULATE AND CONDITION MUD. RAISING MUD WEIGHT TO LOWER BACKGROUND GAS. WORKING DRILL PIPE CONSTANTLY. RAISED MUD WEIGHT THROUGHOUT SYSTEM TO 12.9 PPG. SPOTTED 13.1 PILL.
	10:30 - 18:00	7.50	DT	64		FLOW CHECK, PULL 5 STANDS, FLOW CHECK, PUMP TRIP PILL. TRIP OUT OF HOLE- MWD NOT WORKING.
	18:00 - 18:15	0.25	DT	64		CREW CHANGE SAFETY MEETING ON TRIPPING IN THE HOLE.
	18:15 - 19:00	0.75	DT	64		TOOH F/ 690' TO 0'.
	19:00 - 19:30	0.50	DT	64		CHANGE OUT MWD TOOL.
	19:30 - 00:45	5.25	DT	64		PU BIT #20 BHA #20 TIH TO 9975' W/ MWD TOOL CHECKS, FLOW CHECKS.
	00:45 - 01:00	0.25	DT	64		SAFETY MEETING ON SLIP AND CUT DRILL LINE.
	01:00 - 02:00	1.00	DT	64		SLIP AND CUT 60' OF DRILL LINE.
	02:00 - 02:15	0.25	DT	64		RIG SERVICE.
11/3/2010	02:15 - 05:00	2.75	DT	64		TROUBLE SHOOT PASON GAS W/ PASON SERVICE HAND. HAD TO CHANGE OUT BOX BY SHAKERS.
	05:00 - 06:00	1.00	DT	64		CIRCULATE BOTTOMS
	06:00 - 06:15	0.25	DT	64		PRE TOUR SAFETY MEETING ( TRIPPING IN THE HOLE)
	06:15 - 07:00	0.75	DT	64		CIRCULATE BOTTOMS UP. BOTTOMS UP 30-35' FLARE. LARGE AMOUNTS OF PARAFIN OVER SHAKER.
	07:00 - 08:30	1.50	DT	64		TRIP IN HOLE TO 11,121' AND CIRCULATE BOTTOMS UP, LARGE AMOUNTS OF PARAFIN OVER SHAKER. 30' FLARE BOTTOMS UP.
	08:30 - 09:00	0.50	DT	64		TRIP IN HOLE
	09:00 - 11:15	2.25	DT	64		WASH FROM 11886 -12,044'. HOLE PRESSURING UP. LARGE AMOUNTS OF PARAFIN OVER SHAKERS, PULLED 1 STAND OUT OF HOLE, WASH FROM 11,795'. LARGE AMOUNTS OF SAND AND SHALE OVER SHAKERS AT BOTTOMS UP.
	11:15 - 16:45	5.50	DT	64		DRILLING 6-1/8" HOLE FROM 12,044'-12,074
	16:45 - 17:15	0.50	D	06		LUBRICATE RIG. FUNCTION ANNULAR 18 SECONDS.
	17:15 - 18:00	0.75	D	18		CHANGE OUT WEIGHT INDICATOR, NOT WEIGHING CORRECTLY.
11/4/2010	18:00 - 18:15	0.25	DT	60		CREW CHANGE SAFETY MEETING ON SETTING & PULLING SLIPS.
	18:15 - 20:15	2.00	DT	60		PULL 1 STAND & RACK BACK. WORK PIPE. WORK ON WEIGHT INDICATOR. NOT WEIGHING CORRECTLY.
	20:15 - 05:00	8.75	D	03		DRILL F/ 12074' TO 12125'. SLIDE F/ 12088' TO 12103', 12118' to 12119, 12124' to 12125'.
	05:00 - 06:00	1.00	D	05		ACCULATED SURVEY TIME.
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING (
	06:15 - 10:30	4.25	D	03		DRILLING 6-1/8" HOLE FROM 12,125'-12,167'. SLIDE FROM 12,134'-12,138'
	10:30 - 11:00	0.50	D	06		LUBRICATE RIG, FUNCTION ANNULAR 18 SECONDS
	11:00 - 11:15	0.25	D	18		BOP DRILL. FUNCTION HCR, 3 SECONDS. WELL SECURE IN 100 SECONDS.
	11:15 - 16:30	5.25	D	03		DRILLING 6-1/8" HOLE FROM 12,167'-12,210' SLIDE FROM 12,171'-12,174'.
	16:30 - 17:00	0.50	D	18		WORK ON PUMPS, BOTH PUMPS DOWN. PULLED 1 STAND FOR



## EL PASO PRODUCTION

Page 43 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Spud Date: 4/7/2010  
 Start: 3/31/2010  
 End: 11/22/2010  
 Rig Release: 11/22/2010  
 Group:  
 Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/4/2010	16:30 - 17:00	0.50	D	18		WORKING ROOM.
	17:00 - 18:00	1.00	D	18		ACCUMULATED CONNECTION AND SURVEY TIME, DIRECTIONAL WORK.
	18:00 - 18:15	0.25	D	18		CREW CHANGE SAFETY MEETING ON MOUSE HOLE CONNECTIONS.
	18:15 - 22:00	3.75	D	03		DRILL ROTATE F/ 12,210' TO 12,662'.
	22:00 - 22:15	0.25	D	06		RIG SERVICE.
	22:15 - 01:00	2.75	D	03		DRILL SLIDE F/ 12,262' TO 12,266'.
	01:00 - 01:45	0.75	D	03		DRILL ROTATE F/ 12,266' TO 12,276'.
	01:45 - 04:00	2.25	D	03		DRILL SLIDE F/ 12,275' TO 12,281'.
	04:00 - 04:30	0.50	D	03		DRILL ROTATE F/ 12,281' TO 12,294'.
	04:30 - 06:00	1.50	D	05		ACCULATED SURVEYS & CHECK SHOTS.
11/5/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING (RIG SERVICE)
	06:15 - 08:45	2.50	D	03		DRILLING 6-1/8" HOLE FROM 12,294'-12,318'
	08:45 - 09:45	1.00	D	08		CIRCULATE BOTTOMS UP FOR TRIP.
	09:45 - 18:00	8.25	D	04		FLOW CHECK, PUMP TRIP PILL, TRIP OUT FOR BIT.
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIPPING IN THE HOLE)
	18:15 - 19:15	1.00	D	05		LAY DOWN MOTOR, PICK UP NEW MOTOR. SET AT 1.83 DEG.
	19:15 - 22:00	2.75	D	04		INSTALL MWD TOOL. MAKE UP SX-35 BIT.
	22:00 - 22:45	0.75	D	08		TRIP IN HOLE F/ 0 TO 5027'. TESTED MWD BEFORE PICKING UP JARS.
	22:45 - 00:00	1.25	D	04		FLOW CHECK, CIRCULATE BOTTOMS UP AT 5027'.
	00:00 - 00:45	0.75	D	04		TRIP IN HOLE F/ 5027' - 8175'.
11/6/2010	00:45 - 02:15	1.50	D	08		TRIP IN HOLE F/ 8175' - 10069'.
	02:15 - 02:30	0.25	D	06		FLOW CHECK, CIRCULATE BOTTOMS UP AT 10069'
	02:30 - 03:15	0.75	D	04		RIG SERVICE. GREASE BLOCKS, TOP DRIVE, DRAWWORKS, FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS.
	03:15 - 03:30	0.25	D	04		TRIP IN HOLE F/ 10069' - 11115'
	03:30 - 04:45	1.25	D	04		CIRCULATE AND WORK STRING @ 11115'
	04:45 - 06:00	1.25	D	07		TRIP IN HOLE F/ 1115' - 11880'
	06:00 - 06:15	0.25	D	18		CIRCULATE AND WASH DOWN FROM 11880' - 12318'.
	06:15 - 07:00	0.75	D	03		PRE TOUR SAFETY MEETING
	07:00 - 08:30	1.50	DT	65		DRILLING 6-1/8" HOLE FROM 12,318'-12,328'
	08:30 - 17:15	8.75	D	03		BOTH PUMPS DOWN, WORK PIPE AND WORK ON PUMPS.
11/7/2010	17:15 - 18:00	0.75	D	05		DRILLING 6-1/8" HOLE FROM 12,328'-12,417'
	18:00 - 18:15	0.25	D	18		ACCUMULATED SURVEY, CONNECTION, AND DIRECTIONAL WORK.
	18:15 - 21:45	3.50	D	03		PRE TOUR SAFETY MEETING, OPERATING MANLIFT.
	21:45 - 22:15	0.50	D	06		DRILL F/ 12414' - 12454'
	22:15 - 22:45	0.50	D	03		LUBRICATERIG GREASE BLOCKS, TOP DRIVE, SWIVEL, DRAWWORKS, FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS. MAKE 90' CONNECTION.
	22:45 - 23:00	0.25	D	18		SLIDE F/ 12454' - 12460'
	23:00 - 00:00	1.00	DT	59		ATTEMPT TO WORK PIPE & RACK 1 STAND BACK INTO DERRICK.
	00:00 - 06:00	6.00	DT	59		PICK UP SINGLE FOR ROOM & WORK STUCK PIPE.
	06:00 - 06:15	0.25	DT	56		WORK STUCK PIPE - JAR DOWN TO 105 K LB, JAR UP TO 260K LB.
	06:15 - 08:30	2.25	DT	56		STRING WT = 155K LB.
11/7/2010	08:30 - 11:00	2.50	DT	56		PRE TOUR SAFETY MEETING
						JARRING ON STUCK PIPE, 110, 000 TO 250,000.
						SPOT 12 BBL. DIESEL/PIPE LAX PILL (9.2 PPG, 48 VISCOSITY, PLASTIC VISCOSITY 19, YIELD POINT 18.) TO BOTTOM OF JARS @ 12,294.48'. WEIGHT INDICATOR READING 150,000.

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 44 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/7/2010	11:00 - 12:00	1.00	DT	56		MOVE PIPE LAX / DIESEL PILL 1 BBL. TOP OF PILL AT 12,225.48'. SLACKED OFF TO 140,000 STRING WEIGHT.
	12:00 - 13:00	1.00	DT	56		MOVE PIPE LAX / DIESEL PILL 1 BBL. TOP OF PILL AT 12,156.48'. NO FLOW.
	13:00 - 14:00	1.00	DT	56		MOVE PIPE LAX / DIESEL PILL 1 BBL. TOP OF PILL AT 12,087.48'. NO FLOW.
	14:00 - 15:00	1.00	DT	56		MOVE PIPE LAX / DIESEL PILL 1 BBL. TOP OF PILL AT 12,018.48'. NO FLOW.
	15:00 - 16:00	1.00	DT	56		MOVE PIPE LAX / DIESEL PILL 1 BBL. TOP OF PILL AT 11,949.48'. NO FLOW.
	16:00 - 18:00	2.00	D	03		PIPE FREE, DRILLING 6-1/8" HOLE FROM 12,454'-12,480'
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING - 90' CONNECTIONS
	18:15 - 23:30	5.25	D	03		DRILL F/ 12,480' - 12,550'.
	23:30 - 00:00	0.50	D	05		SURVEY & CONNECTION TIMES.
	00:00 - 02:00	2.00	D	03		DRILL F/ 12,550' - 12,567'. AT 02:00 HR, TIME REVERTED TO 01:00 MOUNTAIN STANDARD TIME FROM MOUNTAIN DAYLIGHT TIME.
	01:00 - 02:30	1.50	D	03		DRILL F/ 12,567' - 12,581'
	02:30 - 02:45	0.25	D	06		RIG SERVICE. GREASE BLOCKS, TOP DRIVE, SWIVEL, DRAWWORKS, FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS.
	02:45 - 05:30	2.75	D	03		DRILL F/ 12,581' - 12,606
	05:30 - 06:00	0.50	D	05		SURVEY AND CONNECTION TIME.
11/8/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING ( PICKING UP DRILL PIPE TO MOUSE HOLE.)
	06:15 - 10:15	4.00	D	03		DRILLING 6-1/8" HOLE FROM 12,606'- 12645'
	10:15 - 11:00	0.75	D	06		LUBRICATE RIG
	11:00 - 12:30	1.50	D	08		CIRCULATE BOTTOMS UP FOR BIT TRIP, WORKING PIPE CONSTANTLY.
	12:30 - 18:00	5.50	D	04		FLOW CHECK, PUMP TRIP PILL, BACK REAM FROM 12,600'-12,500'. TRIP OUT OF HOLE FOR BIT.
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING
	18:15 - 20:45	2.50	D	04		TRIP OUT OF HOLE F/ 2922' - 69' - FLOW CHECK AT 1112' - NO FLOW.
	20:45 - 21:00	0.25	D	18		SAFETY MEETING W/ MWD HAND AND CREW.
	21:00 - 21:15	0.25	D	05		LAY DOWN MWD TOOL.
	21:15 - 21:30	0.25	D	04		TRIP OUT F/ 69' - 0'. BREAK OFF BIT - STX-35: NO CONES ON BIT.
	21:30 - 22:00	0.50	D	05		SAFETY MEETING ON LAYING DOWN DIRECTIONAL TOOLS. LAY DOWN DIRECTIONAL TOOLS.
	22:00 - 00:00	2.00	DT	58		CLEAN RIG FLOOR AND MONITOR TRIP TANK WHILE OUT OF HOLE. WAIT ON WEATHERFORD PERSONNEL W/ TOOLS TO RECOVER CONES. NOTED - FROM 22:15 TO 24:00 - NOTED GAIN OF 0.6 BBL IN TRIP TANK. FLOW APPROX. 1/2 - 1 GAL/ MIN.
	00:00 - 01:30	1.50	DT	58		WAIT ON WEATHERFORD PERSONNEL W/ TOOLS. MONITOR WELL. LIGHT FLOW
	01:30 - 01:45	0.25	DT	58		SAFETY MEETING W/ WEATHERFORD PERSONNEL.
01:45 - 02:00	0.25	DT	58		MAKE UP REVERSE CIRCULATION JUNK BASKET ON 4 3/4" DRILL COLLARS. DIMENSIONS: 5 3/4" BODY, 6" HEAD. LENGTH: 3.48'	
11/9/2010	02:00 - 04:00	2.00	DT	58		TRIP IN BHA TO 865'
	04:00 - 06:00	2.00	DT	58		RUN IN HOLE W/ 3 1/2" DRILL PIPE.
	06:00 - 06:15	0.25	DT	58		PRE TOUR SAFETY MEETING
	06:15 - 08:00	1.75	DT	58		TRIP IN HOLE TO 5150'
	08:00 - 08:15	0.25	DT	58		BREAK CIRCULATION, CIRCULATE
	08:15 - 08:45	0.50	DT	60		INCIDENT WITH TOP DRIVE, BROKE SPRING ON GRABBER

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 45 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/9/2010	08:45 - 09:45	1.00	DT	58		CIRCULATE BOTTOMS UP
	09:45 - 10:15	0.50	DT	60		REPAIRS TO GRABBER
	10:15 - 15:00	4.75	DT	58		TRIP IN HOLE SLOWLY TO 9625'. BREAK CIRCULATION AT 9625', CIRCULATE BOTTOMS UP. 3000 UNITS, BOTTOMS UP, OIL OVER SHAKERS.
	15:00 - 16:00	1.00	DT	58		TRIP IN HOLE FROM 9625' - 11474'
	16:00 - 18:00	2.00	DT	58		PRE TOUR SAFETY MEETING - TRIPPING IN HOLE
	18:00 - 18:15	0.25	DT	58		TRIP IN HOLE F/ 11474' - 12,101'
	18:15 - 18:45	0.50	DT	58		CONDITION MUD AND CIRCULATE. WORK STRING WHILE RAISING MUD DENSITY FROM 13.4 LB/GAL TO 13.9 LB/GAL.
	18:45 - 00:15	5.50	DT	58		CIRCULATE AND WASH FROM 12,101' - 12,430' PROGRESS SLOW AS NUMEROUS TIGHT SPOTS ENCOUNTERED. AT 12,417' RAISED PUMP RATE FROM 80 SPM TO 90 SPM. TORQUE LEVELS DROPPED.
	00:15 - 06:00	5.75	DT	58		HAND OVER & PRETOUR SAFETY MEETING
11/10/2010	06:00 - 06:15	0.25	DT	18		CONT. WASH & REAM F/ 12438' - 12641' ( LIGHT REAMING )
	06:15 - 08:00	1.75	DT	56		CUT 18" CORE WITH REVERSE CIRC. JUNK BASKET
	08:00 - 09:00	1.00	DT	58		CIRC. RAISE MUD WT. F/ 13.9 PPG TO 14.2 PPG BGG HAS DROPPED F/ 3000 U TO 990 U NO MUD LOSSES TO FORM.
	09:00 - 10:00	1.00	DT	58		PULL 5 STD'S FLOW CK. PUMP TRIP PILL CONT. POH TAKE REQUIRED FLOW CK'S WELL STATIC. TRIPPED TO 12,097'. FLOW CHECK.
	10:00 - 13:30	3.50	DT	58		CIRCULATE, MIX 2ND TRIP PILL.
	13:30 - 14:00	0.50	DT	58		TRIP OUT OF HOLE FROM 12,097' TO 1046'. FLOW CHECKS AT 6248' & 1046'.
	14:00 - 18:00	4.00	DT	58		HAND OVER & PRE TOUR SAFETY MEETING. PULLING AND SETTING SLIPS.
	18:00 - 18:15	0.25	DT	58		TRIP OUT FROM 1046' TO 0'.
	18:15 - 18:45	0.50	DT	58		CLEAN RIG FLOOR, RECOVER JUNK BASKET, WAIT ON ORDERS. ONE FRAGMENT OF CONE WAS RECOVERED - APPROXIMATELY THE SIZE OF A WALNUT.
	18:45 - 20:15	1.50	DT	58		RIG SERVICE. SET BRAKES.
	20:15 - 20:45	0.50	DT	58		SAFETY MEETING W/ WEATHERFORD PERSONNEL AND RIG CREW.
	20:45 - 21:00	0.25	DT	58		MAKE UP MILL, JUNK SUB & BIT SUB WITH NON-PORTED FLOAT.
	21:00 - 00:00	3.00	DT	58		TRIP IN HOLE FROM 0' TO 1820'.
	00:00 - 01:15	1.25	DT	58		TRIP IN HOLE F/ 1820' TO 5061'.
	01:15 - 02:00	0.75	DT	58		FLOW CHECK, FILL PIPE AND CIRCULATE AT 5061'.
02:00 - 04:15	2.25	DT	58		TRIP IN HOLE F/ 5061' TO 10,018'.	
04:15 - 06:00	1.75	DT	58		CIRCULATE BOTTOMS UP.	
11/11/2010	06:00 - 06:15	0.25	DT	58		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 07:00	0.75	DT	58		SLIP & CUT DRILL LINE
	07:00 - 08:00	1.00	DT	58		CONT. RIH F/ 10015' - 12000'
	08:00 - 09:00	1.00	DT	58		WASH & REAM F/ 12000' - 12641' HAD 2' FILL
	09:00 - 14:00	5.00	DT	58		MILL ON CONES F/ 12641' - 12644' 5- 12K WT. RPM 70 - 90 TORQUE 5900 - 11486 FT/LBS MUD WT. 14.2PPG VIS 44 YP 29 LCM 15% LAST HR. TORQUE DROPPED OFF ( POSSIBLE INDICATION OF MILL WARING OUT )
	14:00 - 18:00	4.00	DT	58		POH 5 STD'S FLOW CK. PUMP TRIP PILL CONT. POH WITH MILL TRIP FROM 12,644' TO 4388'. FLOW CHECKS AT 12,612', 12, 166', 6180'.
	18:00 - 18:15	0.25	DT	58		HAND OVER & PRETOUR SAFETY MEETING. (TRIPPING PIPE)
	18:15 - 21:30	3.25	DT	58		TRIP OUT OF HOLE FROM 4388' - 0'. FUNCTION UPPER/ LOWER

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 46 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/11/2010	18:15 - 21:30	3.25	DT	58		PIPE RAMS, ANNULAR - 18 SECONDS, BLIND RAMS. RECOVER MILL, BIT PIECES. WAIT ON ORDERS. MAKE UP NEW MILL, W/ TWO JUNK SUBS ABOVE IT. TRIP IN HOLE W/ DRILL COLLARS TO 600'. TRIP IN HOLE F/ 600' TO 5061'. FILL PIPE AND CIRCULATE AT 5061'. CIRCULATE THROUGH GAS BUSTER. BLOW TOP DRIVE AND STANDPIPE W/ AIR BACK TO PITS. CURRENT TEMPERATURE: 19F.
	21:30 - 22:30	1.00	DT	58		
	22:30 - 23:00	0.50	DT	58		
	23:00 - 00:00	1.00	DT	58		
	00:00 - 02:30	2.50	DT	58		
	02:30 - 03:00	0.50	DT	58		
11/12/2010	03:00 - 03:15	0.25	DT	58		CONTINUE TRIPPING IN HOLE F/ 5061' - 10,000' HAND OVER & PRETOUR SAFETY MEETING CIRC. BTMS. UP AT CASG. SHOE 305U GAS CONT. RIH F/ 10018' - 12013' WASH FROM 12013' - 12644' MILL ON JUNK & MAKE 5' NEW HOLE F/ 12644' - 12649' NO NOTICEABLE JUNK ON BTM. WORK JUNK SUBS HAD 1917U GAS ON BTMS. UP FROM 12644' 10' FLARE FOR 30 MIN. BGG 502U MUD WT. 14.2 PPG VIS. 43 YP 27 FLOW CK. PULL 5 STD'S FLOW CK. PUMP TRIP PILL CONT. POH TO 1082' WITH MILL #2 TAKE REQUIRED FLOW CK'S HAND OVER & PRE TOUR SAFETY MEETING (PIPE SPINNER, TRIPPING IN HOLE) TRIP OUT F/ 1082' - 0' RETRIEVE MILL AND 2 JUNK SUBS. FUNCTION TEST BLIND RAMS & UPPER AND LOWER PIPE RAMS. WAIT ON ORDERS. GET BIT INFORMATION. INSTALL NON-PORTED FLOAT ON BIT SUB. MAKE UP XR+ MILL TOOTH BIT, BIT SUB AND 2 JUNK SUBS. TRIP IN HOLE F/ 0' TO 4965'. FILL DP, BREAK CIRCULATION AT 4965'. TRIP IN HOLE F/ 4965' - 10010' CIRCULATE BOTTOMS UP. GAS LEVEL PEAKED AT 271 UNITS W/ MUD LOGGER. 6 BARREL GAIN ON BOTTOMS UP. TRIP IN HOLE F/ 10,010' - 12,013' WASH AND REAM TO BOTTOM FROM 12,013' HAND OVER & PRETOUR SAFETY MEETING CONT. W & R F/ 12487' - 12647' (THIS IS BTM. WITH 5K ON BIT) WORK BIT & JUNK SUBS ON BTM. DRILL 6 1/8" HOLE F/ 12647' - 12677' 4.8' / HR. WOB 10 - 20K RPM 75 - 80 PP 2370 PSI GPM 220 TRIP GAS 3536U FROM 12647' - 12649' HAD ABNORMAL TORQUE F/ 3168 - 10377 FT/LBS. THEN TORQUE DROPPED OFF TO 6600 FT/ LBS. & REMAINED STEADY RIG SER. FUNCTION ANNULAR PREVENTOR C / O 21 SEC'S DRILL 6 1/8" HOLE F/ 12677' - 12680' PRIOR TO MAKING CONNECTION AT 12677' WORKED JUNK SUBS WITH MUD PUMP ON & OFF NO NOTICEABLE JUNK BELOW BIT AFTER MAKING CONNECTION CIRC. BTMS. UP MUD WT. 14.2 PPG VIS 43 LCM 15% NO MUD LOSSES TO FORM. CONN. GAS 2443U BGG 319U FLOW CK PULL 5 STD'S FLOW CK PUMP TRIP PILL CONT. POH F/ 12,680' - 8,250'. HAND OVER & PRETOUR SAFETY MEETING (POOH)
	03:15 - 06:00	2.75	DT	58		
	06:00 - 06:15	0.25	DT	67		
	06:15 - 07:15	1.00	DT	58		
	07:15 - 08:15	1.00	DT	58		
	08:15 - 09:00	0.75	DT	58		
	09:00 - 12:00	3.00	DT	58		
	12:00 - 18:00	6.00	DT	58		
	18:00 - 18:15	0.25	DT	58		
	18:15 - 19:00	0.75	DT	58		
	19:00 - 19:30	0.50	DT	58		
	19:30 - 20:00	0.50	DT	58		
	20:00 - 20:30	0.50	DT	58		
	20:30 - 23:30	3.00	DT	58		
23:30 - 00:00	0.50	DT	58			
00:00 - 02:30	2.50	DT	58			
02:30 - 04:00	1.50	DT	58			
11/13/2010	04:00 - 05:00	1.00	DT	58		
	05:00 - 06:00	1.00	DT	58		
	06:00 - 06:15	0.25	D	18		
	06:15 - 06:30	0.25	D	04		
	06:30 - 06:45	0.25	D	03		
	06:45 - 13:00	6.25	D	03		
	13:00 - 13:15	0.25	D	06		
	13:15 - 14:15	1.00	D	03		
	14:15 - 15:30	1.25	D	08		
	15:30 - 18:00	2.50	D	04		
18:00 - 18:15	0.25	D	18			

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 47 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations	
11/13/2010	18:15 - 22:30	4.25	D	04		TRIP OUT FROM 8,250' TO 0'. FLOW CHECKS: 6269', 1178', 0'. BREAK JUNK SUBS & BIT SUB. LAY DOWN. FUNCTION BLIND & PIPE RAMS.	
	22:30 - 23:00	0.50	D	04			
	23:00 - 23:30	0.50	D	18		WAIT ON ORDERS.	
	23:30 - 00:00	0.50	D	05		PICK UP BIT, MUD MOTOR, MONEL, UBHO, SHOCK SUB. SCRIBE TOOLS.	
	00:00 - 01:30	1.50	D	05		MAKE UP DIRECTIONAL TOOLS AND SCRIBE.	
	01:30 - 05:30	4.00	D	04		TRIP IN HOLE to 5027'. FUNCTION MWD TOOL @ 228' & 969'.	
	05:30 - 06:00	0.50	D	08		FILL PIPE, & CIRCULATE.	
	11/14/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
		06:15 - 08:00	1.75	D	04		CONT. RIH F/ 5029' - 10064'
		08:00 - 09:30	1.50	D	08		CIRC. BTMS. UP HAD 304U GAS ON BTMS. UP AT CASG. SHOE SLIP & CUT DRILL LINE
09:30 - 10:15		0.75	D	06			
10:15 - 11:00		0.75	D	04		CONT. RIH F/ 10064' - 11760'	
11:00 - 11:15		0.25	D	18		BOP DRILL WELL SECURE IN 80 SEC'S	
11:15 - 12:00		0.75	D	04		CONT. RIH WASH LAST 3 STD'S TO BTM.	
12:00 - 17:15		5.25	D	03		DRILL 6 1/8" HOLE F/ 12680' - 12885' 39.04' / HR. WOB 15K RPM 107 PP 3400 GPM 220 MUD WT. 14.2 PPG VIS. 43 YP 28 BY PASSING SHAKERS SINCE BACK ON BTM. BGG 870U CONN. GAS 1621U HAD 2245U GAS ON BTMS. UP	
17:15 - 18:00		0.75	D	05		ACC. CONNECTION & SURVEY TIME	
18:00 - 18:15		0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING. (CONNECTIONS)	
18:15 - 23:15	5.00	D	03		DRILL 6 1/8" HOLE F/ 12885' - 13000' 23.0' / HR. WOB 15K RPM 50/107 PP 3400 GPM 220 RAISE MUD WT. 14.2 TO 14.5 PPG VIS. 43 YP 28 BY PASSING SHAKERS SINCE BACK ON BTM. BGG 895 - 2729U CONN. GAS 2051U WHEN GAS LEVELS CLIMBED OVER 2000U, STARTED RAISING MUD DENSITY FROM 14.2 LB/GAL. BOP DRILL - 1 MIN 20 SECONDS - ALL HANDS IN PLACE. INCLINATION DROPPED TO 1.7 DEG/ 227.7 AZI, SO SLIDE WAS CONDUCTED. DIRECTIONAL DRILLER HAD DIFFICULTY CONTROLLING TOOL FACE DIRECTION, GIVEN THE MT-1355 BIT DESIGN TOGETHER WITH FORMATION. ROTATE FROM 12,888' - 12,939'. SLIDE FROM 12,939' - 12,963'. ROTATE FROM 12,963' - 12,980'. SLIDE FROM 12,980' - 13,000'		
23:15 - 00:00	0.75	D	05		ACC. CONNECTION & SURVEY TIME.		
00:00 - 01:00	1.00	D	03		DRILL 6 1/8" HOLE F/ 13,000' - 13,026'. ROTATE F/ 13,000' - 13,026'.		
01:00 - 01:30	0.50	D	06		RIG SERVICE. FUNCTION TEST ANNULAR.		
01:30 - 05:45	4.25	D	03		DRILL 6 1/8" HOLE F/ 13,026' - 13095' 16.23.0' / HR. WOB 5 - 15K RPM 50/107 PP 3400 GPM 220 MUD WT. 14.5 TO 14.7 PPG VIS. 44 BY PASSING SHAKERS SINCE BACK ON BTM. BGG 1111U TO 664U AS MUD DENSITY INCREASED. CONN. GAS 2300U AT 13,043'. ROTATE FROM 13,026' - 13,040', SLIDE FROM 13,040' - 13,052'. ROTATE F/ 13,052' - 13,095'		
05:45 - 06:00	0.25	D	05		SURVEY & CONNECTION TIME.		
11/15/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING	
	06:15 - 11:00	4.75	D	03		DRILL 6 1/8" HOLE F/ 13095' - 13118' ( SLIDE F/ 13090' - 13108' ) UNABLE TO MAINTAIN TOOL FACE WITH ANY MORE WT. THAN 4K ON BIT SLIDING AT 4' / HR. ROTATING AT 24 - 26' /HR.	
	11:00 - 11:15	0.25	D	06		RIG SER. FUNCTION ANNULAR PREVENTOR C / O 24 SEC'S	
	11:15 - 17:30	6.25	D	03		DRILL 6 1/8" HOLE F/ 13118' - 13,188' ( SLIDE F/ 13130' - 13144' )	
	17:30 - 18:00	0.50	D	05		SURVEY & CONNECTION TIME.	
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING & HANDOVER (MANRIDER OPERATIONS)	

Printed: 5/31/2011 2:43:21 PM



## EL PASO PRODUCTION

Page 48 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/15/2010	18:15 - 22:30	4.25	D	03		DRILL 6 1/8" HOLE F/ 13188' - 13248'. NO SLIDES. WEIGHT ON BIT: 15K. RATE OF PENETRATION: 14.12 FT/HR.
	22:30 - 23:00	0.50	D	06		RIG SERVICE. FUNCTION PIPE RAMS.
	23:00 - 23:30	0.50	D	03		DRILL 6 1/8" HOLE F/ 13248' - 13,260'. NO SLIDES. WEIGHT ON BIT: 15K.
	23:30 - 00:00	0.50	D	05		CONNECTION AND SURVEY TIME.
11/16/2010	00:00 - 05:45	5.75	D	03		DRILL 6 1/8" HOLE F/ 13,260' - 13,318'. NO SLIDES. WEIGHT ON BIT: 15K. RATE OF PENETRATION: 10.0 FT/HR.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 10:30	4.25	D	03		DRILL 6 1/8" HOLE F/ 13318' - 13372' 12.70' / HR. WOB 15K RPM 116 PP 3150 GPM 214 MUD WT 14.7 PPG VIS 43 BGG 137U CONN. GAS 721U
	10:30 - 10:45	0.25	D	06		RIG SER. FUNCTION UPPER & LOWER PIPE RAMS C / O 4 SEC'S
	10:45 - 17:30	6.75	D	03		DRILL 6 1/8" HOLE F/ 13372' - 13468' 14.22' / HR. WOB 15K RPM 116 PP 3150 GPM 214 MUD WT. 14.7 PPG VIS 43 BGG 138U CONN GAS 904U @ 13440' 10% SANDSTONE 10% SILTSTONE 80% SHALE LOST 16 BBLs. MUD TO FORM. LAST 12 HRS.
	17:30 - 18:00	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING (WORKING W/ STEAM)
	18:15 - 20:30	2.25	D	03		DRILL 6 1/8" HOLE F/ 13468' - 13501'.
	20:30 - 21:00	0.50	D	06		RIG SERVICE. FUNCTION ANNULAR - 18 SECONDS.
	21:00 - 23:45	2.75	D	03		DRILL 6 1/8" HOLE F/ 13501' - 13545' 16.0' / HR. WOB 15K RPM 106 PP 3200 GPM 214 MUD WT 14.7 PPG VIS 45 BGG 56U CONN. GAS 525U @ 13,500'
	23:45 - 00:00	0.25	D	05		CONNECTION & SURVEY
	00:00 - 05:45	5.75	D	03		DRILL 6 1/8" HOLE F/ 13545' - 13606' 10.61' / HR. WOB 15K RPM 106 PP 3200 GPM 214 MUD WT. 14.7 PPG VIS 45 BGG 35U 40% SANDSTONE TR SILTSTONE 40% SHALE LOST 6 BBLs. MUD TO FORM. LAST 12 HRS.
11/17/2010	05:45 - 06:00	0.25	D	05		CONNECTION & SURVEY
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 12:45	6.50	D	03		DRILL 6 1/8" HOLE F/ 13606' - 13700' 14.46' / HR. WOB 17K RPM 107 PP 3160 PSI GPM 214 MUD WT. 14.7 PPG VIS 48 WL 16 YP 34 BGG 42U CONN. GAS 128U @ 85% SHALE 15% SAND STONE TRACE OF SILT STONE
	12:45 - 13:00	0.25	D	05		ACC. SURVEY & CONNECTION TIME
	13:00 - 14:30	1.50	D	08		CIRC. BTMS. UP
	14:30 - 18:00	3.50	D	04		FLOW CK. PULL 5 STD'S FLOW CK. PUMP TRIP PILL CONT. POH TO CASG. SHOE FIRST 7 STD'S HAD 30 - 40K OVER PULL THEN HAD A COUPLE OF TIGHT SPOTS AT 12326' & 12183' HAD 30 - 40K OVERPULL REST OF TRIP UP TO CASG. SHOE WAS GOOD RAN BACK IN HOLE TO 12146'
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING. (TRIPPING PIPE)
	18:15 - 21:00	2.75	D	07		TRIP IN HOLE, WASH AND REAM LAST 17 STANDS TO BOTTOMF/ 12156' - 13700'
	21:00 - 00:00	3.00	D	08		CIRCULATE PRIOR TO COMING OUT TO LOG. WHILE CIRCULATING TRIP GAS ON BOTTOMS UP WAS 5048U. LEVEL DROPPED THEN A 2ND PEAK ARRIVED AT 2205U. GAS THEN STAYED AT APPROX. 800 - 900. COMMENCED MIXING BARITE TO RAISE DENSITY TO 15.3 LB/GAL TO CONTROL GAS LEVELS.
	00:00 - 06:00	6.00	D	08		CIRCULATE, RAISE DENSITY PRIOR TO COMING OUT TO LOG. BACKGROUND GAS LEVEL AT 14.8 LB/GAL -739U. AT 15.2 LB/GAL -

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 49 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION  
 Spud Date: 4/7/2010  
 Start: 3/31/2010  
 End: 11/22/2010  
 Rig Release: 11/22/2010  
 Group:  
 Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/17/2010	00:00 - 06:00	6.00	D	08		438U AT 15.4 LB/GAL - 375U
11/18/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 13:30	7.25	D	04		FLOW CK PULL 5 STD'S FLOW CK PUMP TRIP PILL CONT. POH TO LOG ( MEASURE OUT ) TAKE REQUIRED FLOW CK'S HOLE COND. GOOD ON TRIP OUT HOLE FILL ACT. 101.5 BBLs. CAL. 81.2 BBLs. DIFF. + 20.3 BBLs.
	13:30 - 14:15	0.75	D	04		LAY DOWN DIRECTIONAL TOOLS FLOW CK. OOH WELL STATIC FUNCTION BLIND RAMS C / O 4 SEC'S
	14:15 - 18:00	3.75	D	11		RIG IN HALLIBURTON HOLD SAFETY MEETING RUN QUAD COMBO ( GR - DSNT - SDLT - BSAT - ACR+ ) LOGGERS TD @ 13683' RAN LOG F/ BTM. TO CASG. SHOE AT 10058' ON BTM. AT 1715 HRS. NO TIGHT SPOTS ENCOUNTERD
	18:00 - 18:15	0.25	D	18		PRE TOUR SAFETY MEETING (RUNNING LOGS)
	18:15 - 21:30	3.25	D	11		WIRELINE LOGS W/ HALLIBURTON. LOGS PULLED TIGHT COMING OUT AT 11,439' & 11, 189'. HAD TO CLOSE CALIPERS AND LOWER TOOL DOWN, THEN RAISE TOOL TO MOVE PAST SECTIONS WITH LARGER WASHOUT THAN THE AVERAGE SECTION OF WELL.
	21:30 - 00:00	2.50	D	04		MAKE UP BIT, BIT SUB, AND BHA FOR CLEAN-OUT TRIP. RUN IN TO 963'. FILL PIPE, BLOW TOP DRIVE.
	00:00 - 02:30	2.50	D	04		TRIP IN HOLE F/ 963' TO 5060'.
	02:30 - 03:00	0.50	D	04		FILL PIPE, BLOW TOP DRIVE.
	03:00 - 05:30	2.50	D	04		TRIP IN HOLE F/ 5060' - 10010'
11/19/2010	05:30 - 06:00	0.50	D	08		FILL PIPE AND CIRCULATE BOTTOMS UP.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 07:00	0.75	D	08		CIRC. BTMS. UP HAD 153U GAS ON BTMS. UP FROM CASG. SHOE
	07:00 - 09:15	2.25	D	04		CONT. TRIP IN HOLE F/ 10010' - 13415' WASH LAST 285' TO BTM.
	09:15 - 13:00	3.75	D	08		CIRC. COND. MUD & HOLE AFTER BEING ON BTM. FOR 30 MIN. HOLE STARTED TAKING MUD SOON AS LOSSES WERE DETECTED, STARTED GOING DOWN HOLE WITH SAWDUST AT 2 SX / MIN. LOSSES STARTED DECREASING SOON AS FRESH LCM STARTED COMMING UP THE ANNULUS AFTER 1 HR. WELL WAS STATIC LOST 81 BBLs. BEFORE LOSSES STOPPED BTMS. UP GAS 2290U HAD 2 -10' FLARES FOR 20 MIN. BGG 455U MUD WT. 15.4 PPG VIS 50 LCM 20%
	13:00 - 18:00	5.00	D	04		FLOW CK. PULL 5 STD'S FLOW CK PUMP TRIP PILL CONT. POH AT 6400' STRING STARTED PULLING WET UNABLE TO BRK. CIRC. CONT. POH WITH PLUGGED DRILL STRING
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON POOH.
	18:15 - 00:30	6.25	D	04		POOH F/ 5742' TO BIT. LD BHA. W/ FLOW CHECKS, DRILL STRING PLUGGED.
	00:30 - 02:00	1.50	D	12		SAFETY MEETING ON RUNNING CASING. RU FRANKS.
11/20/2010	02:00 - 06:00	4.00	D	12		PU RUN 4-1/2" CASING @ 1148'.
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING (RUNNING CASING)
	06:15 - 09:45	3.50	D	12		PICK UP 4-1/2" LINER
	09:45 - 10:00	0.25	D	18		PRE JOB SAFETY MEETING (PICKING UP VERSAFLEX LINER HANGER AND RIG DOWN POWER TONGS)
	10:00 - 11:00	1.00	D	12		PICK UP LINER HANGER AND INSTALL ROTATING HEAD
	11:00 - 11:15	0.25	D	08		CIRCULATE THROUGH LINER HANGER (DISPLACE VOLUME OF LINER AND CIRCULATE BOTTOMS UP)
	11:15 - 16:30	5.25	D	12		TRIP IN HOLE WITH 3-1/2" DRILL PIPE FROM 3942'-6722' FILLING DRILL PIPE AND BREAKING CIRCULATION EVERY 10 STANDS.
	16:30 - 18:00	1.50	D	08		BREAK CIRCULATION @ 10,026' AND CIRCULATE BOTTOMS UP.

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 50 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Spud Date: 4/7/2010  
 Start: 3/31/2010  
 End: 11/22/2010  
 Rig Release: 11/22/2010  
 Group:  
 Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/20/2010	16:30 - 18:00	1.50	D	08		CHANGE OVER MEETING.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON TIH.
	18:15 - 23:00	4.75	D	12		TIH WITH 3-1/2" DRILL PIPE FROM 10,026' - 13,700' FILLING DRILL PIPE AND BREAKING CIRCULATION EVERY 10 STANDS. WASH DOWN LAST 4 STANDS.
	23:00 - 02:00	3.00	D	08		CIRCULATE 2 BOTTOMS UP & WORK PIPE.
11/21/2010	02:00 - 05:00	3.00	DT	68		CIRCULATE & WORK PIPE. WAIT ON SCHLUMBERGER (HOT SHOT CEMENT FROM GRAND JUNCTION) TO LOCATION.
	05:00 - 06:00	1.00	D	14		SAFETY MEETING. CEMENT 4-1/2" PRODUCTION CASING.
	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING (CEMENTING LINER)
	06:15 - 08:15	2.00	D	14		PRESSURE TEST LINES TO 9,000 PSI. CEMENT 4-1/2" LINER TO 13,686' KB. - 13,669' GL SETTING DEPTH, 3856' OF 4-1/2" CASING (TOP OF LINER 9798.88 KB AND 9781.88 GL) WITH 30 BBLs. OF 16 PPG MUDPUSH II (1/2# CEMENT PER BBL), 333 SACKS (108 BBLs) OF 17.0 PPG CLASS "G" PLUS ADDITIVES (2# PER BBL CEMENT). DISPLACED WITH 10 BBLs. OF RETARDED FLUID, 40 BBLs. OF WATER, 10 BBLs. OF MUDPUSH II, AND 65.2 BBLs. OF DRILLING MUD. WIPER PLUG BUMPED AT 08:15, FINAL PRESSURE 3700 PSI, PRESSURED TO 4200 PSI, HELD FOR 10 MINUTES, BLED OFF, FLOWED BACK 2 BBLs, FLOATS HELD.
	08:15 - 09:00	0.75	D	18		DROP TRIP BALL, SPACE OUT 9' ABOVE FLOOR. RUPTURE DISC, PUMPED 2.4 BBLs. INCREASED RATE TO 4 BPM, SEATED BALL, SLOW RATE TO 1/2 BPM, EXPAND LINER, MAXIMUM PRESSURE 5800, 6000, AND 6300 PSI. PERFORMED PULL TEST, 100,000 OVER STRING WEIGHT (140,000 TO 240,000) LINER SET. SET DOWN 70,000# TO RELEASE LINER, PULL UP THROUGH LINER WITH SETTING TOOL, NO OVERPULL SEEN THROUGH ELEMENTS.
	09:00 - 11:00	2.00	D	08		STARTED CIRCULATING AT 25' OUT. CIRCULATE BOTTOMS UP X2. CIRCULATED 15 BBLs. OF CEMENT TO SURFACE.
	11:00 - 11:45	0.75	D	18		PERFORM POSITIVE TEST 1500 PSI FOR 30 MINUTES. OK.
	11:45 - 13:30	1.75	D	08		DISPLACED HOLE WITH FRESH WATER FOR NEGATIVE TEST (FROM 15.3 PPG MUD TO 8.32 PPG FRESH WATER) FLOW CHECK FOR 10 MINUTES, HOLE STATIC.
	13:30 - 15:00	1.50	D	15		RIG OUT CEMENTERS AND LAY DOWN CEMENT HEAD.
	15:00 - 18:00	3.00	D	04		LAY DOWN 3-1/2" DRILL PIPE.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON LAYING DOWN PIPE.
	18:15 - 06:00	11.75	D	04		LAY DOWN 3-1/2" DRILL PIPE. SEND 320 BBLs MUD FROM RIG PITS TO PD 404. CLEAN RIG PITS.
11/22/2010	06:00 - 06:15	0.25	D	18		PRE TOUR SAFETY MEETING (NIPPLE DOWN BOP EQUIPMENT)
	06:15 - 06:45	0.50	D	04		LAY DOWN 3-1/2" DRILL PIPE.
	06:45 - 07:15	0.50	D	18		LAY DOWN 3-1/2" HANDLING EQUIPMENT
	07:15 - 08:00	0.75	D	18		RIG UP WIRELINE TO SET RETRIEVEABLE BRIDGE PLUG.
	08:00 - 10:45	2.75	D	18		RUN IN HOLE WITH WIRELINE AND SET BRIDGE PLUG. TOP OF BRIDGE PLUG AT 2,000' GROUND LEVEL. 2017' KB. PRESSURE TEST PLUG WITH RIG PUMP TO 1500 PSI AND HELD FOR 10 MINUTES. OK.
	10:45 - 14:15	3.50	D	15		CHANGE PIPE RAMS FROM 3-1/2" TO 4-1/2".
	14:15 - 14:30	0.25	D	18		PRE JOB SAFETY MEETING ON NIPPLING DOWN BOPE.
	14:30 - 18:00	3.50	D	15		NIPPLE DOWN BOPE.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON NIPPLE DOWN STACK.
	18:15 - 23:30	5.25	D	01		NIPPLE DOWN, BOP, HYDRILL, DOUBLE GATE AND SINGLE GATE.
	23:30 - 01:30	2.00	D	01		NIPPLE UP TUBING HEAD & NIGHT CAP. PRESSURE TEST

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



EL PASO PRODUCTION

Page 51 of 51

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: DRILLING  
 Contractor Name: PRECISION DRILLING TRUST  
 Rig Name: PRECISION

Start: 3/31/2010  
 Rig Release: 11/22/2010  
 Rig Number: 406

Spud Date: 4/7/2010  
 End: 11/22/2010  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/22/2010	23:30 - 01:30	2.00	D	01		TUBING HEAD TO 5,000 PSI FOR 10 MIN. SAFETY MEETING ON RIGGING DOWN TOP DRIVE. RIG DOWN TOP DRIVE. RIG RELEASED @ 0600 HRS.
	01:30 - 06:00	4.50	D	01		

Printed: 5/31/2011 2:43:21 PM

Jun. 21, 2011



## EL PASO PRODUCTION Operations Summary Report

Page 1 of 7

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: COMPLETION  
 Contractor Name: BASIC ENERGY SERVICES  
 Rig Name: BASIC

Spud Date: 4/7/2010  
 Start: 12/1/2010  
 End: 4/27/2011  
 Rig Release: 4/27/2011  
 Group:  
 Rig Number: 1657

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/3/2010	06:00 - 09:00	3.00	C	06		HSM JSA TOPIC; ROADING RIG....ROAD FROM THE UTE TRIBAL 1-33Z2
	09:00 - 12:00	3.00	C	10		MIRU NU BOPE MOVE IN CAT WALK & TBG TALLY TOP ROW
	12:00 - 14:00	2.00	C	04		PU RETRIEVING TOOL TIH PU 65 JTS OF 2 7/8" TBG TO 2017'
	14:00 - 17:30	3.50	C	04		RETRIEVE RBP TOH w 2 7/8" TBG LD PLUG PU 3 5/8" MILL 2-3 1/2" JUNK BASKET 2 3/8" REG X 2 3/8" PAC BIT SUB 6-2 7/8" DRILL COLLARS 2 3/8" PAC X 2 3/8" EUE 8RD XO 2 3/8" PSN 117 JTS OF 2 3/8" N-80 8RD TBG CHANGE HANDLING TOOLS 2 3/8" X 2 7/8" XO 20 JTS OF 2 7/8" N-80 8RD TBG EOT 4520' SECURE WELL SDFN
12/4/2010	17:30 - 18:30	1.00	C			CREW TRAVEL FROM LOC
	06:00 - 07:00	1.00	C	06		CREW TRAVEL TO LOC HSM JSA TOPIC; PICKING UP TBG
	07:00 - 14:30	7.50	C	04		CONT TIH PU 278 JTS OF 2 7/8" TBG TTL OF 298 JTS OF 2 7/8" TBG 117 JTS OF 2 3/8" TBG TAG @ 13516'
	14:30 - 21:30	7.00	C	13		RU POWER SWIVEL ESTABLISH CRIC...LCM IN RETURNS C/O TO FLOAT COLLAR @ 13542' DRILL FLOAT COLLAR CRIC CLEAN TOH w 20 JTS SECURE WELL SDFN
12/5/2010	21:30 - 22:30	1.00	C	06		CREW TRAVEL FROM LOC
	06:00 - 07:00	1.00	C	06		CREW TRAVEL TO LOC HSM JSA TOPIC; PU POWER SWIVEL
	07:00 - 16:30	9.50	C	13		PU POWER SWIVEL ESTABLISH CRIC CONT DRILLING @ 13542' C/O TO 13657' CRIC WELL CLEAN w 2% KCL RD POWER SWIVEL SOH LD 96 JTS OF 2 7/8" TBG EOT 11125' SECURE WELL SDFN
12/6/2010	16:30 - 18:30	2.00	C	04		CREW TRAVEL FROM LOC
	18:30 - 19:30	1.00	C	06		CREW TRAVEL TO LOC HSM JSA TOPIC; LAYING DOWN TBG
	06:00 - 07:00	1.00	C	06		FINISH TOH LAYING DOWN 2 7/8" TBG CHANGE HANDLING TOOLS
12/7/2010	07:00 - 17:30	10.50	C	01		FINISH LAYING DOWN 2 3/8" TBG LD C/O ASSEMBLY
	10:00 - 13:00	3.00	C	09		RDMO TO SIDE OF LOC
	13:00 - 14:30	1.50	C	15		MIRU WIRELINE TIH w 3.50 GUIGE RING TO 13635' TOH LD GUIGE RING RIH w CBL LOGGING TOOLS TO 13635' LOG UP TO 4750' TOC @ 5370' RD WIRELINE SECURE WELL SDFN
12/8/2010	09:00 - 13:00	4.00	C	11		MOVE IN FRAC TANKS & FILL
						RU QUICK TEST...TEST BOPE WELL HEAD AND CSG TO 9000 PSI TEST GOOD SECURE WELL
12/9/2010	07:00 - 15:00	8.00	C	21		RU FLOW BACK EQUIPMENT
	07:00 - 19:00	12.00	C	21		HSM JSA TOPIC; PERFORATING...RU WIRELINE w LUBRICATOR TIH w 2 3/4" HSC 15 gm CHARGES, 3JSPF 120 PHASING PRESSURE CSG TO 1000 PSI PERFORATE STAGE 1 PRESSURE LOST 300 PSI BLED OFF WELL TOH LD GUN RD WIRELINE
	13:00 - 17:00	4.00	C	21		CONT MOVING IN & FILLING FRAC TANKS
12/10/2010	06:00 - 08:00	2.00	C	21		HSM JSA TOPIC; HEATING TANKS...RU HOT OIL TRUCKS HEAT FRAC TANKS
	08:00 - 10:00	2.00	C	21		MIRU STINGER MOVE IN RIG UP BJ SERVICES ON WELL...SPOT IN EQUIPMENT
	10:00 - 13:00	3.00	C	21		HSM JSA TOPIC; RIGGING UP...FINISH RIG UP BJ SERVICES HSM JSA TOPIC; FRACTURING
						STAGE 1... TEST PMP & LINES TO 8250 PSI OPEN WELL 90 PSI...BRAKE DWN @ 7471 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLS PASS BTM PERF w 454 BBLS ISDP 7146 PSI 5 MIIN 7007 PSI 10 MIN 6990 PSI 15 MIN 6975 PSI FG .97 MAX RATE 17.8 AVE RATE 14.5 MAX PRESSURE 7867 PSI AVE PRESSURE 7564 PSI
						FRAC STAGE 1...OPEN WELL 6907 PSI STG PAD STG 6500# OF 100 MESH STG SPACER CUT X-LINK FLUSH WELL w 460 BBLS ISDP 7278 PSI MAX PRESSURE 8191 PSI AVE PRESSURE 7975 PSI MIN

Printed: 5/31/2011 2:44:00 PM

Jun. 21, 2011



## EL PASO PRODUCTION Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: COMPLETION  
 Contractor Name: BASIC ENERGY SERVICES  
 Rig Name: BASIC

Spud Date: 4/7/2010  
 Start: 12/1/2010  
 End: 4/27/2011  
 Rig Release: 4/27/2011  
 Group:  
 Rig Number: 1657

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/10/2010	10:00 - 13:00	3.00	C	21		PRESSURE 7111 PSI INJECTION RATE TREATING FLUID 18.6 BPM FLUSH 3.3 BPM TURN OVER TO WIRELINE
	13:00 - 15:00	2.00	C	11		STG 2...TIH w 4 1/2" CFP SET @ 13240' TEST PLUG TEST GOOD PERFORATE STG 2 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-10 13218 - 13075 TOH w WIRELINE
	15:00 - 17:00	2.00	C	21		STAGE 2... TEST PMP & LINES TO 8250 PSI OPEN WELL 7009 PSI...BRAKE DWN @ 7666 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLS PASS BTM PERF w 425 BBLS ISDP 7055 PSI 5 MIIN 6982 PSI 10 MIN 6959 PSI 15 MIN 6943 PSI FG .97 MAX RATE 22 BPM AVE RATE 21.8 BPM MAX PRESSURE 8191 PSI AVE PRESSURE 7910 PSI
	17:00 - 18:30	1.50	C	21		FRAC STAGE 2...OPEN WELL 6917 PSI PMP PAD STG 100 MESH STG SPACER STG 1# STG FLUSH...AS PER JORDAN NELSON STG PAD STG 1# STG 2# STG 3# STG FLUSH w 410 BBLS PMP TTL OF 82000# @ 32 BPM 8014 PSI ISDP 7292 PSI 5 MIN 7099 PSI 10 MIN 7035 PSI 15 MIN 6999 PSI MAX PRESSURE 8168 PSI AVE PRESSURE 7818 PSI MIN PRESSURE 7500 PSI MAX RATE 32 BPM AVE RATE 27 BPM TURN OVER TO WIRELINE
	18:30 - 23:00	4.50	C	11		STG 3...TIH w 4 1/2" CFP ATTEMPT TO SET @ 13050' FAILED PERFORATED OFF DEPTH ( OPEN HOLE DEPTH 13032 - 13035...CASED HOLE DEPTH 13030.5 - 13033.5) TOH w SETTING TOOL & GUN...TIH w 4 1/2" CFP SET @ 13050' TEST PLUG TEST GOOD...PERFORATE STG 3 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-10 13007 - 12844... TOH w WIRELINE SECURE WELL SDFN
12/11/2010	06:30 - 07:30	1.00	C	21		HSM JSA TOPIC; PRESSURE PREPARE TO FRAC
	07:30 - 08:30	1.00	C	21		STAGE 3... HSM TEST PMP & LINES TO 8278 PSI OPEN WELL 6290 PSI...BRAKE DWN @ 8011 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLS PASS BTM PERF w 419 BBLS ISDP 6349 PSI 5 MIIN 6258 PSI 10 MIN 6252 PSI 15 MIN 6249 PSI FG .92 MAX RATE 30.2 AVE RATE 19.7 MAX PRESSURE 8248 PSI AVE PRESSURE 7545 PSI
	08:30 - 10:00	1.50	C	21		FRAC STG 3 STARTING PSI 6290 PSI STG PAD STG 100 MASH STG PAD STG 1# WENT LONG ON 1# TO ESTABLISH BETTER RATE STG 2# STG 3# TSG 4# FLUSH w 408 BBLS TTL OF 93880 LBS OF PROP ISDP 6949 PSI 5 MIN 6687 PSI 10 MIN 6571 PSI 15 MIN 6526 PSI MAX RATE 39.6 AVE RATE 32.7 PSI MAX PRESSURE 8198 PSI AVE PRESSURE 7875 PSI TURN WELL OVER TO WIRELINE
	10:00 - 11:30	1.50	C	11		STG 4...TIH w 4 1/2" CFP SET @ 12800' TEST PLUG TEST GOOD PERFORATE STG 4 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-10 12780 - 12612 TOH w WIRELINE
	11:30 - 12:00	0.50	C	21		STAGE 4... HSM TEST PMP & LINES TO 8280 PSI OPEN WELL 5890 PSI...BRAKE DWN @ 6146 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLS PASS BTM PERF w 416 BBLS ISDP 6099 PSI 5 MIIN 5924 PSI 10 MIN 5866 PSI 15 MIN 5866 PSI FG .92 MAX RATE 36.6 AVE RATE 37.4 MAX PRESSURE 7545 PSI AVE PRESSURE 7327 PSI
	12:00 - 13:30	1.50	C	21		FRAC STG 4 STARTING PSI 5866 PSI STG PAD STG 100 MASH STG PAD STG 1# STG 2# STG 3# TSG 4# FLUSH w 404 BBLS ISDP 6249 PSI 5 MIN 6052 PSI 10 MIN 5979 PSI 15 MIN 5949 PSI MAX RATE 42.8 AVE RATE 36.1 PSI MAX PRESSURE 8213 PSI AVE PRESSURE 7974 PSI TURN WELL OVER TO WIRELINE



## EL PASO PRODUCTION

Page 3 of 7

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: COMPLETION  
 Contractor Name: BASIC ENERGY SERVICES  
 Rig Name: BASIC

Spud Date: 4/7/2010  
 Start: 12/1/2010  
 Rig Release: 4/27/2011  
 Rig Number: 1657

End: 4/27/2011  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations	
12/11/2010	13:30 - 14:30	1.00	C	11		STG 5...TIH w 4 1/2" CFP SET @ 12550' TEST PLUG TEST GOOD PERFORATE STG 5 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-10 12525 - 12360 TOH w WIRELINE	
	14:30 - 15:00	0.50	C	21		STAGE 5...HSM TEST PMP & LINES TO 8296 PSI OPEN WELL 5423 PSI...BRAKE DWN @ 5663 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLs PASS BTM PERF w 413 BBLs ISDP 5509 PSI PRESSURE BLED OFF BELOW OPENING PRESSURE START FRAC FG .88 MAX RATE 35.5 AVE RATE 32.3 MAX PRESSURE 7262 PSI AVE PRESSURE 6959 PSI	
	15:00 - 16:30	1.50	C	21		FRAC STG 5 STARTING PSI 5330 PSI STG PAD STG 100 MASH STG PAD STG 1# STG 2# STG 3# TSG 4# FLUSH w 400 BBLs ISDP 6029 PSI 5 MIN 5896 PSI 10 MIN 5787 PSI 15 MIN 5703 PSI MAX RATE 54.9 AVE RATE 49.7 PSI MAX PRESSURE 8000 PSI AVE PRESSURE 7229 PSI TURN WELL OVER TO WIRELINE	
	16:30 - 18:00	1.50	C	11		STG 6...TIH w 4 1/2" CFP SET @ 12340' TEST PLUG TEST GOOD PERFORATE STG 6 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-10 12311 - 12105 TOH w WIRELINE	
12/12/2010	05:30 - 06:00	0.50	C	21		SECURE WELL SDFN	
	06:00 - 07:30	1.50	C	21		HSM JSA TOPIC; FRACTURING & PRESSURE	
	07:30 - 08:30		1.00	C	21		STAGE 6... HSM TEST PMP & LINES TO 8230 PSI OPEN WELL 4746 PSI...BRAKE DWN @ 5948 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLs PASS BTM PERF w 410 BBLs ISDP 5615 PSI 5 MIN 5401 PSI 10 MIN 5264 PSI 15 MIN 5144 PSI FG .89 MAX RATE 38 AVE RATE 27.5 MAX PRESSURE 7382 PSI AVE PRESSURE 6711 PSI
			1.00	C	21		FRAC STG 6 STARTING PSI 5144 PSI STG PAD STG 100 MASH STG PAD STG 1# STG 2# STG 3# TSG 4# FLUSH w 397 BBLs ISDP 6560 PSI 5 MIN 6131 PSI 10 MIN 5947 PSI 15 MIN 5840 PSI MAX RATE 58.7 AVE RATE 53.8 PSI MAX PRESSURE 8170 PSI AVE PRESSURE 7507 PSI TURN WELL OVER TO WIRELINE
	08:30 - 09:30	1.00	C	11		STG 7...TIH w 4 1/2" CFP SET @ 12096' TEST PLUG TEST GOOD PERFORATE STG 7 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-11946 - 12090 TOH w WIRELINE	
	09:30 - 10:30	1.00	C	21		STAGE 7... HSM TEST PMP & LINES TO 8280 PSI OPEN WELL 5234 PSI...BRAKE DWN @ 6350 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLs PASS BTM PERF w 407 BBLs ISDP 5382 PSI 5 MIN 5267 PSI 10 MIN 5228 PSI FG .88 MAX RATE 37.6 AVE RATE 27.2 MAX PRESSURE 7824 PSI AVE PRESSURE 6894 PSI	
	10:30 - 11:30	1.00	C	21		FRAC STG 7 STARTING PSI 5110 PSI STG PAD STG 100 MASH STG PAD STG 1# STG 2# STG 3# TSG 4# FLUSH w 395 BBLs ISDP 6099 PSI 5 MIN 5826 PSI 10 MIN 5675 PSI 15 MIN 5560 PSI MAX RATE 50.7 AVE RATE 50.2 PSI MAX PRESSURE 8019 PSI AVE PRESSURE 7136 PSI TURN WELL OVER TO WIRELINE	
	11:30 - 12:30	1.00	C	11		STG 8...TIH w 4 1/2" CFP SET @ 11885' TEST PLUG TEST GOOD PERFORATE STG 8 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-11692 - 11867 TOH w WIRELINE	
	12:30 - 13:30	1.00	C	21		STAGE 8... HSM TEST PMP & LINES TO 8310 PSI OPEN WELL 4920 PSI...BRAKE DWN @ 5376 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLs PASS BTM PERF w 403 BBLs ISDP 5227 PSI 5 MIN 5017 PSI 10 MIN 4927 PSI 15 MIN BELOW OPENING PSI FG .88 MAX RATE	

Printed: 5/31/2011 2:44:00 PM

Jun. 21, 2011



## EL PASO PRODUCTION

Page 4 of 7

## Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: COMPLETION  
 Contractor Name: BASIC ENERGY SERVICES  
 Rig Name: BASIC

Start: 12/1/2010  
 Rig Release: 4/27/2011  
 Rig Number: 1657

Spud Date: 4/7/2010  
 End: 4/27/2011  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/12/2010	12:30 - 13:30	1.00	C	21		45.4 AVE RATE 24.4 MAX PRESSURE 7024 PSI AVE PRESSURE 5943 PSI
	13:30 - 14:30	1.00	C	21		FRAC STG 8 STARTING PSI 4810 PSI STG PAD STG 100 MASH STG PAD STG 1# STG 2# STG 3# TSG 4# FLUSH w 391 BBLs ISDP 5924 PSI 5 MIN 5595 PSI 10 MIN 5443 PSI 15 MIN 5352 PSI MAX RATE 58.9 AVE RATE 57.9 PSI MAX PRESSURE 7910 PSI AVE PRESSURE 6665 PSI
	14:30 - 17:30	3.00	C	21		RD BJ RD STINGER OPEN PSI 4400 PSI ON 12 CHOCK TURN WELL OVER TO FLOW BACK
12/13/2010	17:30 - 06:30	13.00	C	21		WELL FLOWING ON A 12/64 CHOCK AT 4700 PSI MADE 643 BBLs OF WTR 700 MCF SHOWED TRACE OF OIL TURN TO TREATER
12/14/2010	06:30 - 06:30	24.00	C	21		WELL FLOWING ON A 12/64 CHOCK AT 4400 PSI MADE 106 BBLs OF OIL 571 BBLs OF WTR 559 MCF OF GAS WAS DWN 3 HR TO REPLACE VALVE ON WELL HEAD TTL WTR RECOVERED 1214 BBLs
12/15/2010	06:30 - 06:30	24.00	C	21		WELL FLOWING ON A 12/64 CHOCK AT 3900 PSI MADE 238 BBLs OF OIL 529 BBLs OF WTR 1031 MCF OF GAS TTL WTR RECOVERED 1743 BBLs
12/16/2010	06:30 - 06:30	24.00	C	21		WELL FLOWING ON A 14/64 CHOCK AT 3850 PSI MADE 439 BBLs OF OIL 566 BBLs OF WTR 1374 MCF OF GAS TTL WTR RECOVERED 2309 BBLs
12/17/2010	06:30 - 06:30	24.00	C	21		WELL FLOWING ON A 14/64 CHOCK AT 3600 PSI MADE 590 BBLs OF OIL 408 BBLs OF WTR 1546 MCF OF GAS TTL WTR RECOVERED 2717 BBLs
12/18/2010	06:30 - 06:30	24.00	C	21		WELL FLOWING ON A 14/64 CHOCK AT 3400 PSI MADE 636 BBLs OF OIL 334 BBLs OF WTR 1568 MCF OF GAS TTL WTR RECOVERED 3051 BBLs
12/19/2010	06:30 - 06:30	24.00	C	21		WELL FLOWING ON A 14/64 CHOCK AT 3250 PSI MADE 654 BBLs OF OIL 266 BBLs OF WTR 1547 MCF OF GAS TTL WTR RECOVERED 3317 BBLs
12/20/2010	06:30 - 06:30	24.00	C	21		WELL FLOWING ON A 14/64 CHOCK AT 3024 PSI MADE 641 BBLs OF OIL 258 BBLs OF WTR 1473 MCF OF GAS TTL WTR RECOVERED 3595 BBLs
12/21/2010	06:30 - 06:30	24.00	C	21		WELL FLOWING ON A 14/64 CHOCK AT 2925 PSI MADE 631 BBLs OF OIL 253 BBLs OF WTR 1613 MCF OF GAS TTL WTR RECOVERED 3868 BBLs
12/22/2010	06:30 - 06:30	24.00	C	21		WELL FLOWING ON A 14/64 CHOCK AT 2825 PSI MADE 615 BBLs OF OIL 241 BBLs OF WTR 1341 MCF OF GAS TTL WTR RECOVERED 4109 BBLs
12/23/2010	06:30 - 06:30	24.00	C	21		WELL FLOWING ON A 14/64 CHOCK AT 2750 PSI MADE 594 BBLs OF OIL 241 BBLs OF WTR 1295 MCF OF GAS TTL WTR RECOVERED 4350 BBLs
12/24/2010	06:30 - 06:30	24.00	C	06		WELL FLOWING ON A 14/64 CHOCK AT 2750 PSI MADE 587 BBLs OF OIL 227 BBLs OF WTR 1248 MCF OF GAS TTL WTR RECOVERED 4577 BBLs
12/25/2010	06:30 - 06:30	24.00	C	21		WELL FLOWING ON A 14/64 CHOCK AT 2650 PSI MADE 592 BBLs OF OIL 215 BBLs OF WTR 1213 MCF OF GAS TTL WTR RECOVERED 4792 BBLs
12/29/2010	06:00 - 11:00	5.00	C	06		HSM JSA TOPIC; RIGGING UP AND PRESSURE...RIG UP COIL UNIT STARTING PRESSURE 2200 PSI TRIP IN HOLE w 2" COIL DRILL
	11:00 - 22:30	11.50	C	04		OUT 7 CFP PLUGS 11890' 12097' 12344' 12553' 12804' 13052' 13245' C/O TO PBTD @13645' CIRC WELL CLEAN CIRC OUT OF THE HOLE RD COIL TBG TURN WELL OVER TO PRODUCTION 1100 PSI ON

Printed: 5/31/2011 2:44:00 PM

Jun. 21, 2011



## EL PASO PRODUCTION Operations Summary Report

Page 5 of 7

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: COMPLETION  
 Contractor Name: BASIC ENERGY SERVICES  
 Rig Name: BASIC

Spud Date: 4/7/2010  
 Start: 12/1/2010  
 End: 4/27/2011  
 Rig Release: 4/27/2011  
 Rig Number: 1657

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/29/2010	11:00 - 22:30	11.50	C	04		16/64 CHOKE TTL WTR PMPED 1148 BBLs
1/11/2011	07:00 - 10:00	3.00	C	11		SAFTEY MTNG. MIRU PIONEER W/L EQUIPMENT. THAW OUT B.O.P.E.
	10:00 - 11:30	1.50	C	11		RIH W/ 3.53" GUAGE RING AND JUNK BASKETT. STACKED OUT @ 10,150' POOH W/ GUAGE RING, AND JUNK BASKETT. HAD APPROX. 1-CUP OF RUBBER IN JUNK BASKETT.
	11:30 - 14:00	2.50	C	11		RUN BACK IN HOLE W/ 3.53" GUAGE RING AND JUNK BASKETT. STACKED OUT @ 10,330'. AND TOOLS WERE STUCK. WORKED LINE. LINE CAME FREE. POOH W/ GR & JNK BSKET. RECOVERED APPROX 1/2 GALLON OF RUBBER CHUNKS. FROM JNK BSKET MU & RIH W/ 2- 2" SINKER BARS, AND 1 11/16" CCL, AND SPANG JARS. SAT DOWN @ 13,623'. 63' OF RAT HOLE BELOW BOTTOM PERF. POOH L/D SINKER BARS. CCL & SPANG JARS, SECURE WELL. LOCKED BLIND RAMS. LEFT WELL FLOWING ON 16 POSITIVE CHOKE.
	14:00 - 17:00	3.00	C	11		S.D.F.N.
1/12/2011	07:00 - 10:00	3.00	C	11		HELD SAFTEY MTNG, PERFORMED JSA'S. THAW OUT B.O.P.E. WORKED ON STARTING EQUIPMENT AFTER -20 DEG NIGHT. STEAMED OUT LUBRICATOR AND GREASE HEAD.
	10:00 - 16:00	6.00	C	11		R/U LOGGING TOOLS. RIH W/ PRODUCTION AND TRACER LOGGING TOOLS. LOG DN @ 30 FPM FROM 11,150' TO 13,550'. LOG UP @ 90 FPM FROM 13,550' TO 11,450'. LOG DN @ 90 FPM FROM 11,450' TO 13,550'. LOG UP @ 120 FPM FROM 13,550' TO 11,450'. LOG DN @ 120 FPM FROM 11,450' TO 13,550'. LOG UP @ 150 FPM FROM 13,550' TO 11,450'. LOG DN @ 150 FPM FROM 11,450' TO 13,550'. LOG UP @ 30 FPM FROM 13,550' 11,150'. POOH W/ LOGGING TOOLS.
	16:00 - 17:00	1.00	C	11		L/D LOGGING TOOLS. R/D LUBRICATOR. LOCK BLIND RAMS. SECURE WELL. LEFT WELL FLOWING ON 16 POSITIVE CHOKE. S.D.F.N.
1/13/2011	10:00 - 12:30	2.50	C	11		HELD SAFETY MEETING. PU AND RIH W/ 5.73 GR/JB TO LINER TOP @ 9790'.WORK OVER RIG ON LOCATION @ 11:30.
	12:30 - 15:30	3.00	C	11		RE HEAD WIRE LINE, RIH W/ 7" BAKER WL PACKER. SET PKR @ 9705' POOH W/ WIRELINE.
	15:30 - 17:30	2.00	C	01		RD WIRELINE EQUIPMENT. SPOTTED IN RIG. LEFT WELL OPENED TO TREATER ON 16/48 CHOKE. SDFN.
1/14/2011	07:00 - 07:30	0.50	C	18		HELD SAFETY MEETING. 50 CSIP. BLED DOWN WELL.
	07:30 - 08:30	1.00	C	01		RU RIG
	08:30 - 09:00	0.50	C	18		UNABLE TO START CATWALK.
	09:00 - 09:45	0.75	C	04		PU AND TALLIED ON OFF TOOL, 27-JTS 2 7/8 N-80 EUE TBG. ELEVATORS FAILED.
	09:45 - 11:30	1.75	C	18		WAIT ON ELEVATORS.
	11:30 - 17:30	6.00	C	04		CONTINUED PU TBG RIH W/198-JTS 2 7/8 N-80 EUE @ 7253' SECURED WELL SDFN.
1/15/2011	07:00 - 07:30	0.50	C	18		HELD SAFETY MEETING. 40 CSIP 0 TSIP BLED DOWN WELL.
	07:30 - 09:30	2.00	C	04		CONTINUED TO PU AND TALLY TBG, RIH W/ 77-JTS 2 7/8 N-80 EUE TBG (TTL 302 JTS) TAGGED PKR @ 9723' LD 2 -JTS 2 7/8 TBG.
	09:30 - 12:00	2.50	C	08		CIRCULATE WELL W/ 340 BBLs PACKER FLUID.
	12:00 - 13:00	1.00	C	10		PU 1-10',1-8' X 2 7/8 N-80 EUE TBG SUBS AND 1-JT 2 7/8 N-80 EUE

Printed: 5/31/2011 2:44:00 PM

Jun. 21, 2011



## EL PASO PRODUCTION Operations Summary Report

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: COMPLETION  
 Contractor Name: BASIC ENERGY SERVICES  
 Rig Name: BASIC

Spud Date: 4/7/2010  
 End: 4/27/2011  
 Group:

Start: 12/1/2010  
 Rig Release: 4/27/2011  
 Rig Number: 1657

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/15/2011	12:00 - 13:00	1.00	C	10		TBG, LATCHED ON TO PKR. RD RIG FLOOR ND BOPS. NU WELLHEAD PLUMBED IN FLOWLINE, PRESSURE TEST ANNULAR @ 1000 PSI HELD. PUMPED PLUG OUT OF PKR @ 2800 PSI. OPENED WELL ON 14/48 CHOKE W/1000 PSI. RD RIG SDFN. TGB WAS ON LOCATON. LEFT IN WELL RETURN TO YARD 301-JTS 2 7/8 NEW 16-JTS 2 7/8 NEW
	13:00 - 14:00	1.00	C	10		
	14:00 - 14:30	0.50	C	09		
	14:30 - 15:30	1.00	C	01		
	15:30 - 15:30		C			
1/16/2011	06:00 - 06:00					3-JTS 2 7/8 TBI
1/17/2011	06:00 - 06:00					NO ACTIVITY
1/18/2011	06:00 - 06:00					NO ACTIVITY
1/19/2011	06:00 - 06:00					WELL FLOWING,
1/20/2011	06:00 - 06:00					WELL IS FLOWING. NO ACTIVITY
1/21/2011	08:00 - 10:00	2.00	C	18		WELL FLOWING. NO ACTIVITY RU DELSCO WIRELINE ATTEMP TO RUN TEMP & PRESS BOMBS SWAB VLAVE WAS FOROOZEN SHUT DELSO EMPLOYEE SHEERED PIN ON VALVE CALLED OUT WEATYHERRFORD TO REPAIR
	10:00 - 12:00	2.00	C	18		REPLACE SHEER PIN IN VALVE AND GREASE VALVES GET PRESS AND TEMP READINGS RIH HOLE WITH PRESS & TEMP BOMPS MAKING TEMP AND PRESS GRAIDENT STOPS EVERY THOUSAND FEET
	12:00 - 14:00	2.00	C			SET BOMBS IN XN NIPPLE AT PKR POOH RD DELSCO OPEN WELL PUT CHOKE TO 16/64 CHOKE TURN OVER TO PRODUCTION TO GET SURFACE AND TEMP READING.
	14:00 - 16:00	2.00	C			09:00 1525 PSI ON 16/48 CHOKE, 95 DEGREES SURFACE TEMP. 469 BBLs OIL, 258 BBLs H2O, 915 GAS.
1/22/2011	09:00 - 09:00	24.00	C	20		09:00 1525 PSI, 94 DEGREES SURFACE TEMP, 499 OIL, 300 H2O AND 993 GAS.
1/23/2011	09:00 - 09:00	24.00	C	20		09:00 WELL FLOWING ON 16/48 CHOKE. 1475 PSI, 96 DEGREES SURF TEMP, 514 OIL, 325 H2O,
1/24/2011	09:00 - 09:00	24.00	C	20		991 GAS. CHOKED WELL BACK TO 14/48.
1/25/2011	09:00 - 09:00	24.00	C	20		09:00 WELL FLOWING ON 14/48 CHOKE, 1600 PSI, 90 DEGREES SURF TEMP, 395 OIL, 203 H2O, 839 GAS.
1/26/2011	06:00 - 06:00	24.00	C	18		WELL FLOWING ON 12/64 CHOKE 1650 PSI WELL HEAD TEMP 90 DEGREE CONTINUE FLOW TESTING
	06:00 - 06:00					
1/27/2011	09:00 - 09:00	24.00				09:00 WELL FLOWING ON 12/48 CHOKE, 1850 PSI, 85 DEGREES SURF TEMP, 283 OIL, 96 H2O, 604 GAS.
1/28/2011	09:00 - 09:00	24.00	C	20		09:00 WELL FLOWING ON 12/48 CHOKE, 2050 PSI, 78 DEGREES SURF TEMP, 202 OIL, 56 H2O, 393 GAS. OPENED WELL TO A 16/48 CHOKE
1/29/2011	09:00 - 09:00	24.00	C	20		09:00 WELL FLOWING ON 16/48 CHOKE, 1500 PSI, 86 DEGREES SURF TEMP, 592 OIL, 319 H2O, 855 GAS.
1/30/2011	09:00 - 09:00	24.00				09:00 WELL FLOWING ON 16/48 CHOKE, 1400 PSI, 88 DEGREES SURF TEMP, 500 OIL, 326 H2O, 1033 GAS. SHUT WELL IN.
1/31/2011	09:00 - 09:00	24.00	C	20		09:00 SHUT IN PRESSURE AFTER 24 HRS 2700 PSI. OPENED WELL ON 16/48 CHOKE
2/1/2011	09:00 - 09:00	24.00	C	20		09:00 WELL FLOWING ON 16/48 CHOKE, 1550 PSI, 88 DEGREES SURF TEMP, 545 OIL, 235 H2O, 657 GAS.



EL PASO PRODUCTION  
Operations Summary Report

Page 7 of 7

Legal Well Name: HURLEY 2-33A1  
 Common Well Name: HURLEY 2-33A1  
 Event Name: COMPLETION  
 Contractor Name: BASIC ENERGY SERVICES  
 Rig Name: BASIC

Spud Date: 4/7/2010  
 End: 4/27/2011

Start: 12/1/2010  
 Rig Release: 4/27/2011  
 Rig Number: 1657  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/2/2011	09:00 - 09:00	24.00	C	20		09:00 WELL FLOWING ON 16/48 CHOKE, 1450 PSI, 87 DEGREES SURF TEMP, 482 OIL, 298 H2O, 983 GAS.
2/3/2011	09:00 - 09:00	24.00	C	20		09:00 WELL FLOWING ON 16/48 CHOKE, 1360 PSI, 87 DEGREES SURF TEMP, 469 OIL, 303 H2O, 952 GAS.
2/16/2011	09:00 - 11:00	2.00	C	18		RU DELSCO WILRELINE SERVICES RIH W/ FISHING NECK RIH TO BOMBS AT PKR @ 9705' LATCH ONTO BOMS POOH W/ WILREINE AND PRESSURE AND TEMP BOMBS RD DELSCO.
4/27/2011	06:00 - 06:30	0.50	C	18		HELD SAFETY MEETING. ON PINCH POINTS FILLED OUT JSA.
	06:30 - 07:30	1.00	C	11		RU PIONEER WIRELINE RIH W/ 2" WEIGHT BARS. UNABLE TO GET PAST WELL HEAD.
	07:30 - 09:30	2.00	C	18		RU DELSCO. RIH AND CUT WAX
	09:30 - 11:30	2.00	C	11		RIH W/ 2" WEIGHT BARS TAGGED FILL @ 13602'
	11:30 - 20:00	8.50	C	11		RIH W/ PROTECHNICS PRODUCTION AND TRACER LOGGING TOOL MADE 3 PASSES FROM 11400 TO 13550. 1ST PASS 60 FT/MIN. 2ND PASS 90 FT/MIN, 3RD PASS 120 FT/MIN WHILE WELL WAS FLOWING ON 18/64 CHOKE @ 250 PSI. POOH , DOWN LOAD DATA. NOT ENOUGH INFORMATION. CHANGED AND REPROGRAMMED TOOL RIH W/ PRODUCTION AND TRACER LOGGING TOOL. MADE 2 PASSES FROM 11400' TO 13550, 1ST PASS 90 FT/MIN, 2ND PASS 120 FT/MIN. POOH W/ LOGGING TOOLS. RD WIRELINE, LEFT WELL OPENED TO TREATER ON 18/64 CHOKE SDFN.

Printed: 5/31/2011 2:44:00 PM

Jun. 21, 2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> HURLEY 2-33A1	
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP	<b>9. API NUMBER:</b> 43013501660000	
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana St. , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 420-5038 Ext	<b>9. FIELD and POOL or WILDCAT:</b> BLUEBELL
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0384 FNL 0676 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 01.0S Range: 01.0W Meridian: U	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/12/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Attached is the Operations Summary for drilling and completion operations.		
<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b></p>		
<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 420-5038	<b>TITLE</b> Principle Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/12/2011	

## 1 General

### 1.1 Customer Information

Company	WESTERN
Representative	
Address	

### 1.2 Well Information

Well	HURLEY 2-33A1		
Project	ALTAMONT FIELD	Site	HURLEY 2-33A1
Rig Name/No.	PROPETRO/5, PETE MARTIN/0, AZTEC/184, PRECISION/406	Event	DRILLING LAND
Start Date	3/31/2010	End Date	11/22/2010
Spud Date	4/7/2010	UWI	033-001-S 001-W 30
Active Datum	GROUND LEVEL @5,220.0ft (above Mean Sea Level)		
Afe No./Description	140746 / DRILL WASATCH WELL		

## 2 Summary

### 2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
4/7/2010	6:00 18:00	12.00		03				DRILL AND RUN 100' OF CONDUCTOR & CEMENT W/ 500 SX 102 BBLS OF CLASS G CEMENT.
6/24/2010	6:00 6:30	0.50		01			100.0	MIRU PRO PETRO.
	6:30 6:00	23.50		03			100.0	DRILLED F/100' TO 620'. HIT WATER @ 260'.
6/25/2010	6:00 10:00	4.00		03			620.0	SAFETY MEETING. DRILLED F/ 620' TO 680'.
	10:00 10:30	0.50		05			680.0	SAFETY MEETING. DEVIATION SURVEY @ 650' 1 DEGREE.
	10:30 13:30	3.00		04			680.0	SAFETY MEETING. TOOHD LD PIPE & BHA.
	13:30 16:30	3.00		12			680.0	SAFETY MEETING. RU RUN 13-3/8" CASING, RAN SHOE, SHOE JOINT, FLOAT COLLAR AND 14 JOINTS (TOTAL JOINTS RUN 15) 13 3/8" 54.5# J-55 STC CASING = 641.44' CENTRILIZED WITH STOP COLLARS FIRST 3 JOINTS THEREAFTER EVERY 3RD JOINT. TOTAL 15 JOINTS RAN SHOE DEPTH = 641.44'. ( EDLON WATKINS TRUCKING HAULED 2 JTS BACK TO ALTAMONT YARD). RELEASED RIG 06/24/2010 @ 18:00 HRS.
	16:30 21:00	4.50		14			680.0	SAFETY MEETING. CEMENT 13-3/8" CASING WITH PRO PETRO. PRESSURE TEST LINES TO 2500 PSI. PUMP 60 BBLS H2O AHEAD GOOD RETURNS 20 BBLS GEL SPACER, MIX AND PUMP 165 BBLS 810 SX 15.8# PREMIUM CEMENT, DROP PLUG PUMP 92.2 BBLS H2O DISPLACEMENT. LANDED PLUG W/ 500/1000 PSI. CHECKED FLOAT GOOD. AFTER PUMPING 20 BBLS CEMENT TO SURFACE. FELL BACK. TOP JOB 20 BBLS 100 SX CEMENT. GOOD CEMENT TO SURFACE AND HELD OK. RELEASED PRO PETRO.
7/30/2010	6:00 10:00	4.00		01			680.0	MOVING RIG OF PETROGLYPH LOCATION.
	10:00 10:30	0.50		18			680.0	SAFETY MEETING WITH RIG CREWS & TRUCKING COMPANY ON LOCATION.
	10:30 6:00	19.50		01			680.0	RU RIG.
7/31/2010	6:00 7:30	1.50		18			680.0	PRE SPUD MEETING & SAFETY MEETING WITH ERIC, DWIGHT, ALEX, BERNIE, RICK & AZTEC CREWS.
	7:30 11:30	4.00		01			680.0	RIG UP RIG. WELDER REPAIRING LEAKS IN PITS.
	11:30 18:00	6.50		10			680.0	RU & NU DIVERTER STACK. CUT & WELD ON DRILLING FLANGE (13 5/8" X 13 3/8" 3000 PSI. TEST FLANGE TO 790 PSI FOR 15 MIN. WELDER REPAIRING LEAKS IN PITS.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	18:00 18:15	0.25		18			680.0	CREW CHANGE. SAFETY MEETING.
	18:15 1:00	6.75		10			680.0	PU & NU DIVERTER STACK. WELD UP FLOW LINE. WELDER REPAIRING LEAKS IN PITS.
	1:00 6:00	5.00		09			680.0	TEST ANNULAR, HCR, HCR VALVE & KILL LINE VALVE 250 PSI LOW 500 HIGH FOR TEN MIN. TEST PASSED.
8/1/2010	6:00 6:15	0.25		18			680.0	CREW CHANGE AND SAFETY MEETING.
	6:15 7:00	0.75		15			680.0	NIPPLE UP KILL LINES. STRAP BHA #1.
	7:00 8:00	1.00		18			680.0	PRE-SPUD RIG INSPECTION.
	8:00 14:30	6.50		04			680.0	PU & MAKE UP BHA #1 TIH.
	14:30 15:00	0.50		18			680.0	LEVEL RIG.
	15:00 18:00	3.00		04			680.0	TIH TO 566'. TAGGED CEMENT @ 566'.
	18:00 18:15	0.25		18			680.0	CREW CHANGE AND SAFETY MEETING.
	18:15 21:00	2.75		04			680.0	PU KELLY, INSTALL ROTATING HEAD RUBBER, BREAK CIRCULATE. CIRCULATE HOLE.
	21:00 22:30	1.50		09			680.0	PRESSURE TEST CASING 250 PSI LOW FOR 30 MIN. WORK ANNULAR BACK THREE TIMES.
	22:30 23:30	1.00		13			680.0	DRILL CEMENT, FLOAT COLLAR & FLOAT GUIDE SHOE F/ 566' TO 655'.
	23:30 23:45	0.25		09			680.0	CONDUCT F.I.T. TEST @ 660' MUD WT. 8.3 PPG (WATER). ADDED SURFACE PRESS. 243 PSI EQUIV. .8PSI / FT.
	23:45 0:30	0.75		03			729.0	DRILLED F/ 655' TO 729' KB.
	0:30 0:45	0.25		08			729.0	CIRCULATE.
	0:45 1:30	0.75		04			729.0	TOOH FOR FOUR DRILL COLLARS.
	1:30 2:45	1.25		60			729.0	PRESSURE TEST STAND PIPE BACK TO PUMPS TO 3000 PSI. REPAIRED LEAKS.
	2:45 4:00	1.25		67			729.0	PU 4 - 6 1/2" DC & DP. TIH TO 729'.
4:00 6:00	2.00		03			729.0	DRILL F/ 729' TO 909'. DRILLED 180' FOR 2 HRS @ 90 FPH 800 GPM 130 ROTARY 15 TO 30 WT ON BIT.	
8/2/2010	6:00 7:30	1.50		03			972.0	CREW CHANGE & SAFETY MEETING. DRILL F/ 909' TO 972'. DRILLED 63' FOR 1.5 HRS @ 42 FPH 800 GPM 130 ROTARY 15 TO 25 WT ON BIT.
	7:30 8:00	0.50		05			972.0	DEVIATION SURVEY @ 887' .5 DEGREES.
	8:00 9:00	1.00		03			1,034.0	DRILL F/ 972' TO 1034'. DRILLED 62' FOR 1.0 HRS @ 62 FPH 800 GPM 130 ROTARY 15 TO 25 WT ON BIT.
	9:00 10:00	1.00		60			1,034.0	CIRCULATE. REPAIR #1 PUMP SWAB.
	10:00 12:30	2.50		65			1,034.0	WORK ON #1 PUMP ROD COOLER PUMP.
	12:30 14:00	1.50		03			1,034.0	DRILL F/ 1034' TO 1128'. DRILLED 94' FOR 1.5 HRS @ 63 FPH 800 GPM 130 ROTARY 15 TO 25 WT ON BIT.
	14:00 15:00	1.00		65			1,128.0	REPLACE PASON BIT TRACER LINE.
	15:00 18:00	3.00		03			1,128.0	DRILL F/ 1128' TO 1315'. DRILLED 187' FOR 3 HRS @ 62 FPH 800 GPM 130 ROTARY 15 TO 25 WT ON BIT. SMALL FLOW FROM 1160'.
	18:00 18:15	0.25		18			1,315.0	CREW CHANGE & SAFETY MEETING.
	18:15 22:00	3.75		03			1,600.0	DRILL F/ 1315' TO 1600'. DRILLED 285' FOR 3.75 HRS @ 76 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. SMALL FLOW FROM 1160'.
	22:00 22:30	0.50		05			1,600.0	DEVIATION SURVEY @ 1514' .75 DEGREES.
	22:30 1:30	3.00		03			1,942.0	DRILL F/ 1600' TO 1942'. DRILLED 342' FOR 3 HRS @ 114 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. SMALL FLOW FROM 1160'.
	1:30 2:00	0.50		05			1,942.0	DEVIATION SURVEY @ 1857' .75 DEGREES
	2:00 3:00	1.00		03			2,037.0	DRILL F/ 1942' TO 2037'. DRILLED 95' FOR 3 HRS @ 95 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. SMALL FLOW FROM 1160'.
3:00 4:00	1.00		60			2,037.0	X-O SWAB AND LINER GASKET IN #1 PUMP.	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	4:00 6:00	2.00		03			2,224.0	DRILL F/ 2037' TO 2224'. DRILLED 187' FOR 2 HRS @ 93.5 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. SMALL FLOW FROM 1160' @ 2 GPM.
8/3/2010	6:00 6:15	0.25		18			2,224.0	CREW CHANGE. SAFETY MEETING.
	6:15 6:30	0.25		03			2,256.0	DRILL F/ 2224' TO 2256'. DRILLED 32' FOR 1/4 HRS @ 128 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. SMALL FLOW FROM 1160' @ 8 TO 10 GPM.
	6:30 7:00	0.50		05			2,256.0	DEVIATION SURVEY @ 2170' 3/4 DEGREE.
	7:00 7:30	0.50		60			2,256.0	CIRCULATE. X/O SWAB #1 PUMP.
	7:30 8:00	0.50		03			2,287.0	DRILL F/ 2256' TO 2287'. DRILLED 31' FOR 1/2 HRS @ 62 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. FLOW FROM 1160' @ 10 TO 12 GPM.
	8:00 12:30	4.50		65			2,287.0	CIRCULATE. REFACE #1 PUMP LINER. RE-ASSEMBLE PUMP.
	12:30 16:30	4.00		03			2,571.0	DRILL F/ 2256' TO 2571'. DRILLED 315' FOR 4 HRS @ 78.75 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. FLOW FROM 1160' @ 20 GPM.
	16:30 17:00	0.50		08			2,571.0	CIRCULATE FOR SURVEY.
	17:00 17:30	0.50		05			2,571.0	DEVIATION SURVEY @ 2476' 1/4 DEGREE.
	17:30 18:00	0.50		03			2,634.0	DRILL F/ 2571' TO 2634'. DRILLED 63' FOR 1/2 HRS @ 126 FPH 770 GPM 122 ROTARY 15 TO 25 WT ON BIT. FLOW FROM 1160' @ 20 GPM.
	18:00 18:15	0.25		18			2,634.0	CREW CHANGE. SAFETY MEETING.
	18:15 21:00	2.75		03			2,918.0	DRILL F/ 2634' TO 2918'. DRILLED 284' FOR 2.75 HRS @ 103.27 FPH 770 GPM, 2420 PSI, 122 ROTARY, 15 TO 25 WT ON BIT. FLOW FROM 1160' @ 30 GPM.
	21:00 21:30	0.50		05			2,918.0	DEVIATION SURVEY @ 2832' 1.75 DEGREES.
	21:30 22:30	1.00		06			2,918.0	X-O SHAKER SCREENS.
	22:30 3:00	4.50		03			3,234.0	DRILL F/ 2918' TO 3234'. DRILLED 316' FOR 4.5 HRS @ 70.22 FPH 770 GPM, 2420 PSI, 122 ROTARY, 15 TO 19 WT ON BIT. BIT TORQUE UP BACK OFF ON WEIGHT. FLOW FROM 1160' @ 30 GPM.
3:00 3:30	0.50		05			3,234.0	DEVIATION SURVEY @ 3149' .75 DEGREES.	
3:30 5:30	2.00		03			3,359.0	DRILL F/ 3234' TO 3359'. DRILLED 125' FOR 2 HRS @ 62.5 FPH 770 GPM, 2420 PSI, 122 ROTARY, 19 TO 23 WT ON BIT. FLOW FROM 1160' @ 30 GPM.	
5:30 6:00	0.50		06			3,359.0	RIG SERVICE.	
8/4/2010	6:00 6:15	0.25		18			3,359.0	CREW CHANGE. SAFETY MEETING.
	6:15 7:30	1.25		60			3,359.0	CIRCULATE. GO THROUGH # 2 PUMP.
	7:30 8:30	1.00		03			3,422.0	DRILL F/ 3359' TO 3422'. DRILLED 63' FOR 1 HRS @ 63 FPH 770 GPM, 2420 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 GPM.
	8:30 9:00	0.50		60			3,422.0	REPAIR #1 PUMP.
	9:00 10:00	1.00		03			3,498.0	DRILL F/ 3422' TO 3498'. DRILLED 76' FOR 1 HRS @ 76 FPH 770 GPM, 2420 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 GPM.
	10:00 15:00	5.00		65			3,498.0	CIRCULATE. WAIT ON WELDER. WELD LEAK ON #1 PUMP DISCHARGE LINE. SUB SINKING ON OFF DRILLERS SIDE. WORK ON FILLING CELLAR WITH ROAD BASE.
	15:00 17:00	2.00		65			3,498.0	REPLACE ROTATING HEAD RUBBER WITH 2 3/8" BORE HOLE. WORK ON FILLING CELLAR WITH ROAD BASE.
	17:00 18:00	1.00		03			3,534.0	DRILL F/ 3498' TO 3534'. DRILLED 36' FOR 1 HRS @ 36 FPH 770 GPM, 2420 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 GPM. WORK ON FILLING CELLAR WITH ROAD BASE.
18:00 20:00	2.00		65			3,534.0	CREW CHANGE & SAFETY MEETING. WORK ON #1 PUMP OVER HEATING.	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	20:00 23:00	3.00		03			3,770.0	DRILL F/ 3534' TO 3770'. DRILLED 236' FOR 3 HRS @ 78.67 FPH 750 GPM, 2858 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 GPM.
	23:00 23:30	0.50		05			3,770.0	DEVIATION SURVEY @ 3684'. 250 DEGREES.
	23:30 3:30	4.00		03			4,093.0	DRILL F/ 3770' TO 4093'. DRILLED 323' FOR 4 HRS @ 80.75 FPH 760 GPM, 2906 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 GPM.
	3:30 4:00	0.50		65			4,093.0	WORK ON #1 PUMP.
	4:00 6:00	2.00		03			4,181.0	DRILL F/ 4093' TO 4181'. DRILLED 88' FOR 2 HRS @ 44 FPH 760 GPM, 2906 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 GPM.
8/5/2010	6:00 6:15	0.25		18			4,181.0	CREW CHANGE. SAFETY MEETING.
	6:15 7:00	0.75		03			4,181.0	DRILL F/ 4181' TO 4244'. DRILLED 63' FOR 1 HRS @ 63 FPH 683 GPM, 2544 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 TO 40 GPM.
	7:00 7:30	0.50		05			4,181.0	DEVIATION SURVEY @ 4190'. 250 DEGREES.
	7:30 9:30	2.00		03			4,339.0	DRILL F/ 4244' TO 4339'. DRILLED 95' FOR 2 HRS @ 47.5 FPH 683 GPM, 2544 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 TO 40 GPM.
	9:30 10:00	0.50		60			4,339.0	RIG REPAIRS. REPAIR CROWN-OMATIC.
	10:00 18:00	8.00		03			4,747.0	DRILL F/ 4339' TO 4747'. DRILLED 408' FOR 8 HRS @ 51 FPH 683 GPM, 2544 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 TO 40 GPM.
	18:00 18:15	0.25		18			4,747.0	CREW CHANGE. SAFETY MEETING.
	18:15 19:00	0.75		03			4,779.0	DRILL F/ 4747' TO 4779'. DRILLED 32' FOR .75 HRS @ 42.67 FPH 683 GPM, 2544 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 TO 40 GPM.
	19:00 19:30	0.50		05			4,779.0	DEVIATION SURVEY @ 4724'. 75 DEGREES.
	19:30 23:00	3.50		03			4,888.0	DRILL F/ 4779' TO 4888'. DRILLED 109' FOR 3.5 HRS @ 31.14 FPH 683 GPM, 2544 PSI, 122 ROTARY, 25 WT ON BIT. WATER FLOW 30 TO 40 GPM.
	23:00 23:45	0.75		08			4,888.0	CIRCULATE HOLE CLEAN.
	23:45 5:00	5.25		04			4,888.0	PUMP 12 JOINTS OUT OF HOLE.
	5:00 6:00	1.00		04			4,888.0	PUMP 30 BBL PILL TOOHS.
8/6/2010	6:00 6:15	0.25		18			4,888.0	CREW CHANGE. SAFETY MEETING.
	6:15 10:30	4.25		04			4,888.0	TOOH LD TORQUE BUSTER & BIT #1.
	10:30 12:30	2.00		04			4,888.0	PU MU BIT #2 TIH TO 500'.
	12:30 13:45	1.25		60			4,888.0	CHANGE OUT KELLY SPINNER AIR MOTORS & SWIVEL PACKING.
	13:45 14:15	0.50		06			4,888.0	RIG SERVICE.
	14:15 18:00	3.75		04			4,888.0	TIH F/ 500' TO 3515'.
	18:00 18:15	0.25		18			4,888.0	CREW CHANGE. SAFETY MEETING.
	18:15 6:00	11.75		56			4,888.0	RIH F/3515' WASH & REAM EVERY OTHER TO EVERY THIRD JOINT.
8/7/2010	6:00 6:15	0.25		18			4,888.0	CREW CHANGE. SAFETY MEETING.
	6:15 15:30	9.25		56			4,888.0	RIH WASH AND REAM F/3515'.
	15:30 17:45	2.25		03			4,916.0	DRILL F/ 4888' TO 4916'. DRILLED 28' FOR 2.25 HRS @ 12.44 FPH 720 GPM, 2695 PSI, 127 ROTARY, 47 WT ON BIT.
	17:45 19:00	1.25		60			4,916.0	REPAIR #1 PUMP TWO SWABS OUT.
	19:00 2:00	7.00		03			5,008.0	DRILL F/ 4916'-5008'
	2:00 2:30	0.50		60			5,008.0	CHANGE SWAB ON # 1 PUMP
	2:30 3:45	1.25		03			5,008.0	DRILL F/ 5008'-5025'
	3:45 5:00	1.25		60			5,008.0	CHANGE OUT SUCTION HOSE
5:00 6:00	1.00		03			5,008.0	DRILL F/ 5025'-5037'	

8/8/2010

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	6:00 6:15	0.25		03			5,037.0	CREW CHANGE & SAFETY MEETING ON CIRCULATING AND TRIP FOR A WIPPER TRIP. TD SURFACE @ 0600 A.M. 8-7-2010 @ 5037' KB, 5023' GL. NOTIFIED DENNIS WITH STATE OF UTAH ON TD, RUN CSG & CMT.
	6:15 18:00	11.75		55			5,037.0	CIRCULATE & CONDITION MUD WITH 15% LCM. CHECK @ 1800 HRS MUD WT 10.8 PPG 43 VIS 15% LCM 3 GPM FLOW.
	18:00 19:00	1.00		55			5,037.0	CIRC & CONDITION MUD, PUMP DOWN HOLE W/ 15 % LCM, 11.5 PPG MUD, PUMPS DOWN 2800 STROKES LEFT TILL HEAVEY MUD TO SURFACE.
	19:00 20:30	1.50		60			5,037.0	REPAIR SUCTION HOSES ON PUMPS.
	20:30 23:15	2.75		60			5,037.0	PULL PUMPS APART, CLEAN & REPLACE PUMP VALVE, LCM UNDER ONE VALVE.
	23:15 1:30	2.25		55			5,037.0	RESUME PUMPING, FLUID RETURNS 10.3 PPG W/ 36 VIS. STOP PUMP, SHUT IN WELL. CSG PRESSURE TSTM, WELL WILL FLOW, SHUT IN.
	1:30 6:00	4.50		55			5,037.0	INCREASE DENSITY TO 11.5 PPG, VIS TO 45.
8/9/2010	6:00 7:00	1.00		08			5,037.0	CREW CHANGE. SAFETY MEETING ON WIPER TRIP & CONDITIONING MUD. CIRCULATE & CONDITION MUD TO 11.6 PPG 46 VIS. FLOW CHECK NO FLOW.
	7:00 15:30	8.50		04			5,037.0	WIPER TRIP TO 600'. NO FLOWS.
	15:30 16:30	1.00		08			5,037.0	CIRCULATE & CONDITION MUD. 11.6 PPG 46 VIS. FLOW CHECK NO FLOW.
	16:30 23:00	6.50		04			5,037.0	TOOH LD DP & BHA #2.
	23:00 1:00	2.00		04			5,037.0	LAY OUT JARS, 8" DC, TBR, SHOCK SUB & MOTOR
	1:00 1:30	0.50		12			5,037.0	CLEAN FLOOR, SAFETY MEETING RIG UP POWER TONGS,
	1:30 6:00	4.50		12			5,037.0	RUN 114 JTS 9 5/8" 40 LB N-80 LT&C LANDED @ 5018 FT.MINUS 3 FT BOVE KB, MINUS KB 14 FT = 5004 FT GROUND LEVEL.
8/10/2010	6:00 12:15	6.25		12				RUN 114 JTS 9 5/8" 40# N-80 LT&C LANDED @ 5021' MINUS 3' ABOVE KB (5018' KB), MINUS KB 14' = 5004' GROUND LEVEL. RD & RELEASE WEATHERFORD CASING CREW. JENKINS (MIKE) TRUCKING HAULED 15 JTS 9 5/8" N-80 40# LTC CASING BACK TO ALTAMONT YARD ON 8-9-2010 INVOICE #2763.
	12:15 17:00	4.75		14				CEMENT 9 5/8" 40# N-80 LTC SURFACE CASING WITH 20 BBLS FRESH WATER, 20 BBLS 12.2# MUD PUSH, LEAD CEMENT 12.5# (35:65-70 PLUS CEMNET: 2# BBL) 483 BBLS (1370 SKS) AT 12.5 PPG YEILD 1.98 FT3/SK WATER 11.074 GAL/SK, TAIL CEMENT 14.2# 10:0 RFC 60 BBLS (205 SKS) AT 14.2 PPG YEILD 1.61 FT3/SK WATER 8.068 GAL/SK. DROP PLUG ON THE FLY. DISPLACE WITH 376 BBLS OF PIT WATER. BUMP PLUG FROM 1138 PSI AT 2.1 BPM TO 1707 PSI. HELD PRESSURE FOR 20 MIN. BLEED PRESSURE OFF. FLOATS HOLDING. 10 BBLS CEMENT RETURNS. RIG DOWN SCHLUMBERGER. RD & RELEASE SCHLUMBERGER.
	17:00 20:00	3.00		15				ND STACK SET C-21 13 5/8" X 9 5/8" SLIPS W/ 65000lbs ON SLIPS. ROUGH CUT 9 5/8" CASING. HANG DIVERter STACK.
	20:00 6:00	10.00		01				RIG DOWN RIG. RIG RELEASED F/ HURLEY 2-33A1 @ 1159 HRS 8-9-2010.
8/11/2010	6:00 6:00							8/8/2010 RIG DOWN 8/9/2010 LOWER DERRICK, INSPECTIONS ON TOP DRIVE, WORK ON PRE MIX TANK. 8/10/2010 WAIT ON LOCATION
	6:00 6:00	24.00		01				MOVE CAMP TO HURLEY 2-33A1 LOCATION. SET OUT RIG.

8/12/2010

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	6:00 18:00	12.00		18				PRE JOB SAFETY MEETING WITH RW JONES, VALLEY CREST CRANE, PRECISION DRILLING, AND BOTH COMPANY MEN.TAKE DERRICK OFF OF FLOOR AND SPLIT. PREPARE SUB AND HOSED FOR LONG HIWAY MOVE. MOVE TO NEW LOCATION. WAIT ON EQUIPMENT TO SET NEW CELLAR RING, REPLACE DEEP MUD WITH DRY, WORK LOCATION WITH CAT AND LEVEL.
	18:00 6:00	12.00						WAIT ON DAYLIGHT
8/13/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING ON RAISING DERRICK
	6:15 9:00	2.75		01				PREPARE DERRICK FOR RAISING AND RAISE DERRICK
	9:00 10:30	1.50		01				RIG UP WINCHES
	10:30 12:00	1.50		01				SPOT BOP'S INSIDE SUBSTRUCTURE
	12:00 13:00	1.00		01				RIG UP FLOOR
	13:00 14:00	1.00		15				CUT OFF 13-3/8" HEAD, REMOVE SLIPS
	14:00 15:00	1.00		01				BRIDAL DOWN AND TIE OFF LINES
	15:00 16:15	1.25		15				INSTALL 9-5/8" HEAD, INSTALL "B" SECTION AND 2 HOLE, PRE HEAT AND WELD ON HEAD. STRING UP SERVICE LOOP FOR TOP DRIVE.
	16:15 18:00	1.75		01				RIG UP TOP DRIVE.
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (RIG UP TOP DRIVE)
	18:15 0:00	5.75		01				RIG UP TOP DRIVE.
8/14/2010	0:00 0:15	0.25		15				SAFETY MEETING ON NIPPLE UP BOP STACK.
	0:15 6:00	5.75		10				NIPPLE UP BOP STACK.
	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING. (NIPPLING UP BOP'S)
	6:15 12:30	6.25		10				NIPPLE UP BOP'S, TIGHTEN WITH HYDRAULIC WRENCH, INSTALL FLOW LINE, ROTATING HEAD, (START PRESS TESTING MANIFOLD)
	12:30 18:00	5.50		15				INSTALL ROTATING HEAD AND MODIFY FLOWLINE TO FIT. (PRESSURE TEST MANIFOLD, 250 PSI LOW/ 5,000 PSI HIGH, 10 MIN/ TEST.)
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (PRESSURE TESTING BOP'S)
	18:15 22:15	4.00		15				MODIFY FLOWLINE TO FIT BOP STACK W/ ROTATING HEAD.
	22:15 22:30	0.25		09				RIG TO PRESSURE TEST BOP STACK AND RELATED EQUIPMENT.
	22:30 22:45	0.25		18				PRE JOB SAFETY MEETING (PRESSURE TESTING BOP STACK)
	22:45 0:00	1.25		09				PRESSURE TEST BOP STACK. LEAK NOTED BETWEEN "B" SECTION SPOOL AND LOWER PIPE RAMS. TIGHTENED UP NUTS W/ HAMMER WRENCH.
	0:00 3:30	3.50		15				RIG UP FLARE LINES/ DEGASSER LINES TO FLARE TANK. TIGHTEN UP NUTS BETWEEN "B" SECTION SPOOL AND LOWER PIPE RAMS. NOTED LEAK.
3:30 6:00	2.50		54				NIPPLE DOWN FLOWLINE, NIPPLE DOWN ROTATING HEAD, AND REMOVE BOLTS BETWEEN "B" SECTION SPOOL AND LOWER PIPE RAMS TO INSPECT & REPLACE RING GASKET.	
8/15/2010	6:00 6:15	0.25		54				PRE TOUR SAFETY MEETING. (NIPPLE DOWN BOP)
	6:15 7:00	0.75		54				NIPPLE DOWN BOP
	7:00 8:45	1.75		54				NIPPLE UP BOP.
	8:45 18:00	9.25		09				PRESS TEST ALL BOP SYSTEM AND MANIFOLD 250 PSI LOW AND 5000 PSI HIGH.
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING. (JSA # 40 PICK UP BHA.)
	18:15 22:30	4.25		09				FINISH PRESS TESTING ALL BOP SYSTEM 250 PSI LOW, 5000 PSI HIGH. PRESS TEST STAND PIPE TO 250 PSI LOW, 4000 PSI HIGH. PRESS TEST CSG TO 1500 PSI FOR 30 MIN.
	22:30 22:45	0.25		10				INSTALL WEAR BUSHING
	22:45 0:30	1.75		54				NIPPLE UP ROTATING HEAD & MAKE UP FLOW LINE
0:30 4:15	3.75		04				PUT BHA ON PIPE RACK & MEASURE.	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
8/16/2010	4:15 6:00	1.75		04				MAKE UP BHA.
	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING. ( PICK UP DP)
	6:15 11:45	5.50		04				MAKE UP BHA, DIRECTIONAL TOOLS.
	11:45 13:00	1.25		04				PICK UP DRILL PIPE
	13:00 14:00	1.00		04				DRIFT & STRAP PIPE
	14:00 14:30	0.50		04				INSTALL ROTATING RUBBER
	14:30 18:00	3.50		04				PICK UP DRILL PIPE to 3532'
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (TRIPPING W/O PIPE SPINNER)
	18:15 19:45	1.50		04				PICK UP PIPE F/ 3532' TO 4966FT. TAGGED CEMENT AT 4966'.
	19:45 21:00	1.25		13				DRILL CEMENT 4966' - 4994'. DRILLED FLOAT COLLAR AT 4972
	21:00 21:15	0.25		06				RIG SERVICE. GREASE TOP DRIVE, SWIVEL, BLOCKS. FUNCTION ANNULAR - C/O - 18 SECONDS.
	21:15 21:30	0.25		09				BOP DRILL W/CREW. WELL SECURE, MEN IN POSITION - 95 SECONDS.
	21:30 22:15	0.75		13				DRILL CEMENT F/ 4994' - 5021'. CASING SHOE AT 5021'.
	22:15 23:00	0.75		03				DRILL 8 3/4" HOLE F/ 5021' - 5031'.
	23:00 23:15	0.25		09				SAFETY MEETING ON FIT TEST.
	23:15 0:00	0.75		08				CIRCULATE HOLE CLEAN PRIOR TO FIT TEST.
	0:00 1:00	1.00		09				CONDUCTED FIT. WEATHERFORD USED PRESSURE TEST EQUIPMENT TO INCREASE PRESSURE ON ANNULUS. DENSITY OF WATER IN WELL-BORE: 8.4 LB/GAL. UPPER LIMIT FOR FIT: 0.8 PSI/FT GRADIENT EQUALS APPLIED SURFACE PRESSURE OF 1824 PSI. PRESSURE BUILT PROGRESSIVELY WITH NO SIGN OF DROP-OFF THROUGH OUT TEST. SHUT DOWN AT 1840 PSI. HELD FOR 2 MINUTES, THEN BLEED OFF. WITH 0.8 PSI/FT GRADIENT, EQUIVALENT MUD WEIGHT OF 15.38 LB/GAL.
	1:00 5:00	4.00		03				DRILL 8 3/4" HOLE F/ 5031' TO 5242'. PUMPED AT 433 GPM UNTIL 5117', WHEN INCREASED PUMP OUTPUT TO 600 GPM. ROTATED AT 20 RPM - TO 5180', THEN INCREASED TO 50 RPM. WOB - 5 - 6
	5:00 6:00	1.00		05				ACCUMULATED SURVEY AND CONNECTION TIME.
8/17/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING (CONNECTIONS)
	6:15 10:30	4.25		03				DRILL F/ 5242'-5487'
	10:30 10:45	0.25		06				RIG SERVICE. FUNCTION ANNULAR
	10:45 17:00	6.25		03				DRILL F/ 5487'-5872'
	17:00 17:15	0.25		18				BOP DRILL, MEN IN POSITION 100 SEC.
	17:15 18:00	0.75		05				SURVEY & CONNECTION TIME
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING ( 90' CONNECTIONS)
	18:15 23:15	5.00		03				DRILL 8 3/4" HOLE F/ 5872' - 6136'.
	23:15 0:00	0.75		05				SURVEY & CONNECTION TIME
	0:00 3:00	3.00		03				DRILL 8 3/4" HOLE F/ 6136' - 6230'
	3:00 3:15	0.25		06				RIG SERVICE. GREASE TOP DRIVE, BLOCKS, SWIVEL, FUNCTION ANNULAR CLOSE/ OPEN - 18 SECONDS.
3:15 5:15	2.00		03				DRILL 8 3/4" HOLE F/ 6230' - 6328'	
5:15 6:00	0.75		05				SURVEY & CONNECTION TIME	
8/18/2010	6:00 6:30	0.50		18				PRE TOUR SAFETY MEETING (RIG SERVICE)
	6:30 11:30	5.00		03				DRILL F/ 6328'-6512'
	11:30 11:45	0.25		06				RIG SERVICE. FUNCTION UPPER PIPE RAMS 3 SEC. LOWER PIPE RAMS 3 SEC.
	11:45 17:00	5.25		03				DRILL F/ 6512'-6654'
	17:00 17:30	0.50		08				CIR BOTTOMS UP
	17:30 18:00	0.50		05				SURVEY & CONNECTION TIME
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (POWER TOOLS)

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	18:15 20:00	1.75		04				FLOW CHECK AT 6654'. PULL 5 STANDS. FLOW CHECK AT 6234' . HOIST TO 5026'.
	20:00 20:15	0.25		18				BOP DRILL WHILE TRIPPING. WELL SECURE, MEN IN POSITION IN 95 SECONDS.
	20:15 21:00	0.75		04				FLOW CHECK @ 5026'.
	21:00 21:30	0.50		04				P.O.O.H. F/ 5026' - 3815'.
	21:30 22:45	1.25		55				SHUT IN WELL TO ASSESS CONTINUOUS 0.5 GAL/MIN FLOW. MONITORED PRESSURE BY INSTALLING 300 PSI VALVE ON B SECTION. INITIAL PRESSURE: 5 PSI FROM HYDROSTATIC PRESSURE FROM BOP STACK FILLED WITH FLUID. AT 17 MINUTES, INDICATED PRESSURE: 65 PSI. AT 25 MINUTES, INDICATED PRESSURE: 100 PSI. SOURCE APPEARS TO BE LOW VOLUME WATER FLOW. NO GAS NOTED. AFTER CONSULTING W/ DRILLING SUPERINTENDENT, CONTINUED TRIPPING OPERATIONS.
	22:45 23:45	1.00		04				P.O.O.H. F/ 3815' - 1683'/
	23:45 0:15	0.50		06				RIG SERVICE. GREASE BLOCKS, SERVICE TOP DRIVE, SWIVEL. FUNCTION UPPER PIPE RAMS. CLOSE/ OPEN - 6 SECONDS.
	0:15 0:45	0.50		04				P.O.O.H. F/ 1683' - 942'.
	0:45 1:00	0.25		04				FLOW CHECK @ 942 FT.
	1:00 3:15	2.25		04				REMOVE ROTATING HEAD RUBBER, P.O.O.H. 942' - 112'
	3:15 3:30	0.25		05				RETRIEVE MWD TOOL.
	3:30 3:45	0.25		04				P.O.O.H. F/ 112' - 0'.
	3:45 4:00	0.25		04				BREAK OFF BIT #3, HUGHES Q405F.
	4:00 5:00	1.00		04				MAKE UP BIT #4. R.I.H. TO 73'
	5:00 5:15	0.25		05				INSTALL MWD TOOL.
	5:15 6:00	0.75		04				R.I.H. F/ 73' - 182'.
8/19/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING. (RIH)
	6:15 6:45	0.50		04				MAKE UP BHA
	6:45 9:30	2.75		60				REPAIR GOOSE NECK ON TOP DRIVE
	9:30 9:45	0.25		18				SAFETY MEETING
	9:45 12:15	2.50		04				RIH TO 5020'
	12:15 12:30	0.25		06				RIG SERVICE, GREASE BLOCKS, TOP DRIVE, DRAWWORKS, FUNCTION ANNULAR 14 SEC.
	12:30 13:45	1.25		04				FLOW CHECK AT SHOE, FILL PIPE & PALUSE TEST SURVEY TOOLS.
	13:45 15:00	1.25		04				RIH, WASH TO BOTTOM, NO FILL
	15:00 16:45	1.75		03				PATTERN BIT DRILL F/ 6654'-6720'
	16:45 18:00	1.25		05				SURVEY & CONNECTION TIME
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (USE OF TONGS)
	18:15 22:00	3.75		03				DRILL 8 3/4" HOLE F/ 6720' - 6882'
	22:00 22:15	0.25		06				RIG SERVICE. FUNCTION UPPER PIPE RAMS - 3 SEC, LOWER PIPE RAMS - 3 SEC.
	22:15 23:30	1.25		03				DRILL 8 3/4" HOLE F/ 6882' - 6949' - PRESSURE SPIKE, STALLED ROTARY AT 6949', AT 23:59 HR. PULLED UP OFF BOTTOM.
	23:30 0:00	0.50		05				ACCUMULATED SURVEY AND CONNECTION TIME.
	0:00 0:45	0.75		08				CIRCULATE, ASSESS SITUATION, WAIT ON ORDERS.
	0:45 1:00	0.25		03				DRILL 8 3/4" HOLE F/ 6949' - 6953' - PRESSURE SPIKE, STALLED ROTARY @ 6953'. PULLED UP OFF BOTTOM.
	1:00 1:30	0.50		08				CIRCULATE BOTTOMS UP, PREPARE TO TRIP TO INSPECT BIT AND MOTOR.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	1:30 6:00	4.50		04				TRIP TO INSPECT BIT AND MOTOR. FLOW CHECK @ 6509' - WELL FLOWING @ 0.5+/- GAL/MIN., FLOW CHECK AT 5016' -WELL FLOWING @ 0.5 +/- GAL/MIN, FLOW CHECK @ 3245' = WELL FLOWING @ 0.5 +/- GAL/MIN., CHECK @ 913' = WELL FLOWING @ 0.75 +/- GAL/MIN.
8/20/2010	6:00 6:15	0.25		18				SAFETY MEETING. (HANDLING BHA)
	6:15 8:00	1.75		04				POOH, FLOW CHECK @ SURFACE.
	8:00 9:45	1.75		04				CHANGE OUT MOTOR & SCRIBE. MAKE UP BHA
	9:45 11:15	1.50		04				RIH
	11:15 11:45	0.50		04				FLOW CHECK, INSTALL ROTATING RUBBER, FILL PIPE, PULSE TEST TOOLS.
	11:45 12:00	0.25		04				RIH
	12:00 12:15	0.25		18				BOP DRILL, TRIPPING, WELL SECURED & CREW IN POSITION 120 SEC.
	12:15 16:30	4.25		04				RIH WASH TO BOTTOM, 10' FILL.
	16:30 18:00	1.50		03				DRILL F/ 6953'-6980'
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (LOCKOUT PROCEDURES)
	18:15 20:00	1.75		03				DRILL F/ 6980' - 7089'
	20:00 20:15	0.25		06				RIG SERVICE. FUNCTION ANNULAR 18 SEC, UPR - 3 SEC, LPR - 3 SEC.
	20:15 23:15	3.00		03				DRILL F/ 7089' - 7165'
	23:15 0:00	0.75		05				ACCUMULATED SURVEY AND CONNECTION TIME.
	0:00 5:30	5.50		03				DRILL F/7165' - 7319'
	5:30 6:00	0.50		05				ACCUMULATED SURVEY AND CONNECTION TIME.
8/21/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING. (CONNECTIONS, EYE PROTECTION)
	6:15 10:15	4.00		03				DRILL F/ 7319'-7441'
	10:15 10:30	0.25		06				RIG SERVICE, GREASE CROW, BLOCKS, TOP DRIVE, DRAVESHAF, FUNCTION ANNULAR 14 SEC. ATTEMPT TO SURVEY, TOOLS NOT WORKING
	10:30 13:30	3.00		03				DRILL F/ 7441'-7518'
	13:30 14:15	0.75		60				CHANGE HEAD ON PUMP #1
	14:15 17:30	3.25		03				DRILL F/ 7518'-7643'
	17:30 18:00	0.50		05				SURVEY & CONNECTION TIME
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (LOADER OPERATIONS)
	18:15 20:15	2.00		03				DRILL F/ 7643' - 7723'. CIRCULATE THROUGH GAS BUSTER FROM 7643' LAZY 1' FLAME
	20:15 20:30	0.25		06				RIG SERVICE. FUNCTION UPR - 3 SECONDS, LPR - 3 SECONDS.
	20:30 23:30	3.00		03				DRILL F/ 7723' - 7815' CIRCULATE THROUGH GAS BUSTER. LAZY 2 - 3' FLAME
	23:30 0:00	0.50		05				ACCUMULATED SURVEY AND CONNECTION TIME.
	0:00 5:45	5.75		03				DRILL F/ 7815' - 8002' CIRCULATE THROUGH GAS BUSTER. LAZY 2 - 3' FLAME.
	5:45 6:00	0.25		18				ACCUMULATED SURVEY AND CONNECTION TIME.
8/22/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING. (LOCK OUT PROCEDURES)
	6:15 9:00	2.75		03				DRILL F/ 8002'-8092'
	9:00 9:15	0.25		06				RIG SERVICE. GREASE TOP DRIVE, BLOCKS, DRAWWORKS, FUNCTION ANNULAR 13 SEC.
	9:15 13:30	4.25		03				DRILL F/ 8092'-8277'
	13:30 17:00	3.50		08				CIRC & DISPLACE TO MUD. CIRC & INCREASE MUD DENSITY.
	17:00 18:00	1.00		55				SHUT IN WELL MONITOR SIDP. WEIGHT UP TO 10.2 PPG FROM 9.2 PPG, INCREASE VIS TO 40.
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (MIXING CHEMICALS)
	18:15 19:15	1.00		55				WELL SHUT IN, WEIGHT UP

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	19:15 21:15	2.00		55				BUILD VOLUME IN TANKS 1 & 2
	21:15 23:00	1.75		55				CIRC THROUGH MANIFOLD
	23:00 0:00	1.00		55				BUILD VOLUME IN TANKS 2
	0:00 0:15	0.25		55				CIRC KILL MUD THROUGH MANIFOLD
	0:15 0:45	0.50		55				WEIGHT UP MUD IN TANKS #2. CLEAN VALVES IN PUMPS
	0:45 2:00	1.25		55				CIRC KILL MUD THROUGH MANIFOLD.
	2:00 4:00	2.00		55				MIX MUD IN TANK 1 & 2 TO 10.7 LB/GAL, VIS 40, 20% LCM.
	4:00 6:00	2.00		55				CIRCULATE KILL MUD THROUGH MANIFOLD.
8/23/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING. (MIXING CHEMICALS)
	6:15 10:00	3.75		55				CIRC THROUGH CHOKE OPEN 100%. @ 360GPM.
	10:00 11:45	1.75		55				WELL SHUT IN WEIGHT UP KILL MUD TO 10.9 PPM. LOAD OUT 74 JT OF 4 1/2 DP FOR PD 404. CHANGE OUT DIRECTIONAL CAMP.
	11:45 17:15	5.50		55				CIRC WELL THROUGH MANIFOLD WITH 10.6 PPG MUD,
	17:15 17:30	0.25		55				FLOW CHECK, WELL FLOWING. SHUT IN WELL.
	17:30 18:00	0.50		59				OPEN WELL TO GAS BUSTER. WORK STUCK PIPE. FREE STUCK PIPE.
	18:00 18:15	0.25		67				PRE TOUR SAFETY MEETING (TRIPPING)
	18:15 19:00	0.75		55				CIRCULATE. WORK PIPE, MONITOR PIT GAINS.
	19:00 22:00	3.00		55				RACK STAND OF DRILL PIPE BACK, SHUT IN WELL. CONDITION MUD, RAISING DENSITY TO 11.5 PPG.
	22:00 22:30	0.50		55				CIRCULATE KILL MUD THROUGH MANIFOLD.
	22:30 23:45	1.25		55				SHUT IN WELL, CONDITION MUD TO 12.0 PPG.
	23:45 0:15	0.50		55				CIRCULATE KILL MUD THROUGH MANIFOLD.
	0:15 0:45	0.50		55				CONDITION MUD IN TANKS TO 12.0 PPG.
	0:45 3:00	2.25		55				CIRCULATE KILL MUD THROUGH MANIFOLD.
	3:00 3:15	0.25		55				BLEED OFF PRESSURE, OPEN WELL & FLOW CHECK.
	3:15 6:00	2.75		04				TRIP OUT OF HOLE. FLOW CHECK AT 7718', 6509.
8/24/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING.
	6:15 7:00	0.75		04				POOH, FLOW CHECK @ 5170'
	7:00 7:45	0.75		04				BUILD MUD TO FILL HOLE, 12.5 PPG
	7:45 13:00	5.25		04				POOH, FLOW CHECK @ 850', SURFACE
	13:00 13:45	0.75		04				LAY OUT DIRECTIONAL TOOLS & MOTOR.
	13:45 15:00	1.25		04				CLEAN FLOOR, PREP BHA. AND BIT.
	15:00 17:30	2.50		04				MAKE UP BHA, RUN IN HOLE. FLOW CHECK AT 894'.
	17:30 18:00	0.50		04				INSTALL ROTATING HEAD RUBBER, TRIP IN HOLE TO 1577'.
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING. (TRIPPING IN HOLE)
	18:15 19:30	1.25		04				TRIP IN HOLE F/ 1577' - 3410'
	19:30 19:45	0.25		06				SERVICE ARM ON TOP DRIVE. FUNCTION ANNULAR - 18 SEC. UPPER PIPE RAMS - 3 SEC/ LOWER PIPE RAMS - 3 SEC.
	19:45 20:45	1.00		04				TRIP IN HOLE F/ 3410 - 4992'
	20:45 22:15	1.50		08				FILL PIPE AND CIRCULATE BOTTOMS UP.
	22:15 22:45	0.50		04				TRIP IN HOLE F/ 4992' - 5413'
	22:45 23:30	0.75		07				CIRCULATE, REAM TIGHT SPOT F/ 5413' TO 5457'
	23:30 0:00	0.50		04				TRIP IN HOLE F/ 5457' - 6016'/
	0:00 1:30	1.50		04				TRIP IN HOLE F/ 6016' - 8069'
	1:30 4:15	2.75		04				FILL PIPE, WASH AND CLEAN F/ 8069' TO 8277'
	4:15 5:45	1.50		03				DRILL 8 3/4" F/8277' - 8293'
	5:45 6:00	0.25		03				ACCUMULATED CONNECTION TIME.
8/25/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING. (DRIVING)
	6:15 8:15	2.00		03				DRILL F/ 8293'-8308'
	8:15 11:00	2.75		60				WORK ON PUMPS.
	11:00 12:00	1.00		03				DRILL F/ 8308'-8328'

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	12:00 16:30	4.50		57				LOST RETURNS, RACK BACK ONE STAND. MIX LCM & PUMP. 14:45 HRS SLIGHT RETURNS. 95 % RETURNS, PICK UP STAND RIH.
	16:30 17:00	0.50		03				DRILL F/ 8328'-8331'
	17:00 18:00	1.00		57				CONDITION MUD (DECREASE DENSITY FROM 11.6 PPG TO 11 PPG) & MIX LCM. MAINTAIN 30 % LCM AND 50 PLUS VIS
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (MIXING CHEMICALS)
	18:15 21:15	3.00		57				CONDITION MUD. (DECREASE DENSITY TO 11.5 PPG, BUILD VOLUME & MIX LCM.)
	21:15 23:30	2.25		03				DRILL 8 3/4" HOLE F/ 8331 - 8343'. MIX LCM TO CONTROL LOSSES.
	23:30 23:45	0.25		08				CIRCULATE AND CONDITION MUD. CHECK CROWN SAVER.
	23:45 0:00	0.25		05				ACCUMULATED CONNECTION TIME.
	0:00 0:15	0.25		06				RIG SERVICE. FUNCTION ANNULAR - 18 SECONDS. UPPER PIPE RAMS - 3 SEC. LOWER PIPE RAMS - 3 SEC. HCR - 3 SEC.
	0:15 3:45	3.50		03				DRILL 8 3/4" HOLE f/ 8343' - 8375'. MIXING LCM TO CONTROL LOSSES, BARITE TO CONTROL WELL. LOSING WHOLE MUD TO FORMATION AT RATE OF 14 - 30 BBL/ HR. WELL FLOWS WITH 11.5 PPG DENSITY AT 30 BARRELS/ HR. STARTED LOSING WHOLE MUD TO FORMATION WHEN WEIGHT CAME BACK AT 12.0 LB/GAL. LOST 143 BARRELS OVER .75 HR.
	3:45 5:15	1.50		57				CIRCULATE AND BUILD VOLUME. CONDITION MUD.
	5:15 6:00	0.75		60				WORK ON PUMPS;
	8/26/2010	6:00 6:15	0.25		18			RIG SERVICE. (MUD PUMP MAINTANCE, HANDLING CAUSTIC)
		6:15 6:30	0.25		65			WORK ON PUMPS
	6:30 8:30	2.00		03			DRILL F/ 8375'-8383'	
	8:30 9:30	1.00		65			WORK ON PUMPS	
	9:30 14:00	4.50		03			DRILL F/ 8383'-8435'	
	14:00 14:15	0.25		06			RIG SERVICE, GREASE BLOCKS, TOP DRIVE, FUNCTION ANNULAR 13 SEC. AJUST BRAKES	
	14:15 14:30	0.25		18			CONNECTION TIME	
	14:30 15:30	1.00		03			DRILL F/ 8435'-8459'	
	15:30 16:30	1.00		65			REPAIR PUMP # 1 LEAKING AROUND SUCTION	
	16:30 17:30	1.00		03			DRILL F/ 8459'-8478'	
	17:30 18:00	0.50		65			WORK ON PUMPS, CHANGE HEADS AND LINERS.	
	18:00 18:15	0.25		18			PRE TOUR SAFETY MEETING (FORKLIFT OPERATION)	
	18:15 20:15	2.00		65			WORK ON PUMPS, CHANGE HEADS AND LINERS. NOTE: WHILE CIRCULATING WITH ONE PUMP, WELL FLOWED @ 5 BARRELS/ HOUR WITH 11.8 LB/GAL MUD DENSITY, LOWERING DENSITY TO 11.7 LB/GAL, AT WHICH POINT FLOW AND BACKGROUND GAS INCREASES. GAINED 11 BARRELS OF VOLUME DURING THIS TIME.	
	20:15 23:30	3.25		03			DRILL F/ 8478' - 8529'.	
	23:30 23:45	0.25		06			RIG SERVICE. FUNCTION UPPER PIPE RAMS, 3 SECONDS. LOWER PIPE RAMS, 3 SECONDS, HCR - 3 SECONDS.	
	23:45 0:00	0.25		05			CONNECTION TIME, FUNCTION CROWN SAVER. RAISED DENSITY TO 12.0 LB/GAL, ADDED LCM TO MUD. WELL DID NOT FLOW ON CONNECTION.	
	0:00 5:45	5.75		03			DRILL F/ 8529 - 8650	
	5:45 6:00	0.25		03			CONNECTION TIME. WELL DID NOT FLOW ON CONNECTION. RAISED LCM TO 35% IN/OUT, WITH 12.0 LB/GAL IN /OUT.	
8/27/2010	6:00 6:15	0.25		18			PRE TOUR SASFETY MEETING. (RIG SERVICE & AUTODRILLERS)	
	6:15 8:30	2.25		03			DRILL F/ 8650'-8681'	
	8:30 10:00	1.50		65			WORK ON PUMPS.	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	10:00 12:45	2.75		03				DRILL F/ 8681'-8704'
	12:45 14:15	1.50		65				CHANGE OUT HEAD # 1 PUMP
	14:15 15:15	1.00		03				DRILL F/ 8704'-8715
	15:15 15:30	0.25		18				BOP DRILL W/ CREW. WELL SHUT IN & CREW IN POSITION 90 SEC.
	15:30 15:45	0.25		06				RIG SERVICE,
	15:45 16:00	0.25		05				CONNECTION TIME
	16:00 18:00	2.00		03				DRILL F/ 8715'-8732'
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (MAKING CONNECTIONS)
	18:15 19:45	1.50		03				DRILL F/ 8732' - 8742'. STOPPED DRILLING DUE TO TORQUE BEING ERRATIC.
	19:45 23:45	4.00		55				CIRCULATE AND CONDITION MUD FOR TRIP. MUD DENSITY DROPPING DUE TO APPARENT DILUTION FROM FORMATION. DROPPED TO 11.9 PPG FROM 12.0. INCREASED DENSITY TO 12.2 PPG.
	23:45 0:00	0.25		04				FLOW CHECK @ 8742' - FLOWING 3 GPM.
	0:00 0:15	0.25		18				HELD SAFETY MEETING (TRIPPING PIPE OUT).
	0:15 1:15	1.00		04				TRIP OUT FIVE STANDS. HOLE SWABBING WHILE PULLING AT 25 FT/MIN. HOLE DID NOT TAKE ANY FLUID AT ALL. NO FLOW ON FLOW CHECK AT 8340'/
	1:15 2:15	1.00		55				CIRCULATE AND RAISE DENSITY TO 12.5 PPG IN TANK 2 & ANNULUS. BY PASS TANKS 3 & 4. BYPASS GAS BUSTER, GOING DIRECT OVER SHAKER. CIRCULATE AT 70 SPM/ 70 SPM ON PUMPS #1 + #2.
	2:15 3:45	1.50		65				CIRCULATE AND WORK ON PUMPS DUE TO LCM. CONTINUED MIXING LCM & BARITE.
	3:45 4:15	0.50		55				CIRCULATE AND CONDITION MUD TO 12.5 PPG.
	4:15 5:00	0.75		65				CIRCULATE AND WORK ON PUMPS DUE TO LCM. CONTINUED MIXING LCM & BARITE.
	5:00 6:00	1.00		55				CIRCULATE AND CONDITION MUD TO 12.5 PPG. CONTINUED MIXING LCM & BARITE.
8/28/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING
	6:15 7:15	1.00		08				WORKING PIPE, BUILDING VOLUME, RAISING MUD WEIGHT TO 12.8 PPG
	7:15 8:00	0.75		18				FLOW CHECK. BUILD VOLUME IN TANK #2 (13.0 PPG, 52 VISC)
	8:00 9:30	1.50		08				CIRCULATE AND RAISE MUD WEIGHT TO 13.0 PPG
	9:30 12:15	2.75		18				BUILD VOLUME AND CONDITION MUD (13.0 PPG, 52 VISC.) FLOW CHECK, WELL STATIC.
	12:15 18:00	5.75		57				TRIP OUT OF HOLE, HOLE SWABBING, PUMP EACH JOINT OUT MONITORING HOLE FILL. F/8279' TO 3771'. FLOW CHECK @ 4982'
	18:00 18:15	0.25		57				PRE TOUR SAFETY MEETING. (TRIP OUT OF HOLE W/ SPECIAL CONDITIONS)
	18:15 22:30	4.25		57				PUMP OUT OF HOLE F/ 3771' - 970'. FLOW CHECK AT 970'. AFTER 7 MINUTES, WELL NOTED AS DEAD.
	22:30 22:45	0.25		57				BOP DRILL WHILE TRIPPING PIPE.
	22:45 23:15	0.50		57				CONDITION MUD TO 13 PPG FROM 12.5 PPG IN TANK 2.
	23:15 23:30	0.25		57				CIRCULATE THROUGH BHA (970 FT TO SURFACE) W/ 13.0 PPG MUD.)
	23:30 0:00	0.50		57				TRIP BHA, PULL ROTATING HEAD RUBBER F/ 970' TO 808'.
	0:00 2:45	2.75		57				TRIP BHA, F/ 808' TO 0'. FLOW CHECK. NO FLOW.
	2:45 3:45	1.00		57				CLEAN UP RIG FLOOR, STRAP 2 7/8" FIBERGLASS TUBING. PICK UP TOOLS TO RUN TUBING.
	3:45 4:00	0.25		57				PRE JOB SAFETY MEETING (RUN 2 7/8" TUBING)

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	4:00 6:00	2.00		57				PICK UP AND RUN 33 JOINTS OF 2 7/8" FIBERGLASS TUBING. TALLY - 963.55'. MADE UP W/ 18" PIPE WRENCHES.
8/29/2010	6:00 6:15	0.25		57				PRE TOUR SAFETY MEETING (WEEKEND AWARENESS)
	6:15 7:00	0.75		57				PICK UP 2-7/8" FIBERGLASS TUBING
	7:00 8:00	1.00		57				RIG OUT TUBING EQUIPMENT, MOVE STANDS IN DERRICK, MAKE UP X/O INSTALL ROTATING HEAD.
	8:00 9:45	1.75		57				TRIP IN HOLE F/ 966' TO 5021' FILL DRILL PIPE.
	9:45 11:00	1.25		57				MOVE DRILL PIPE STANDS IN DERRICK.
	11:00 13:30	2.50		57				TRIP IN HOLE FROM 5021' to 8693.55'.
	13:30 14:00	0.50		57				CIRCULATE.
	14:00 14:45	0.75		63				BREAK CONNECTION BETWEEN TOP DRIVE AND STAND OF DP. CHANGE SAVER SUB ON TOP DRIVE.RIG UP SCHLUMBERGER TO CEMENT.
	14:45 16:00	1.25		57				RUN CEMENT PLUG TO HEAL LOST CIRCULATION/ PRESSURES.
	16:00 17:30	1.50		57				HOIST DRILL STRING TO 7108' & CHECK FLOW.
	17:30 17:45	0.25		57				RIG OUT CEMENTERS.
	17:45 18:00	0.25		57				TRIP OUT TO 6790'. PULLING WET. COULD NOT CIRCULATE WHEN 17 STANDS OUT. HOLE SWABBED WHILE HOISTING.
	18:00 18:15	0.25		57				PRE TOUR SAFETY MEETING (TRIPPING OUT OF HOLE)
	18:15 0:00	5.75		57				TRIP OUT WET F/ 6790' TO 1702'. FLOW CHECK @ 4963', 2634'. WELL DEAD ON FLOW CHECKS. HOLE STARTED TAKING PROPER AMOUNT OF FLUID.
	0:00 1:30	1.50		57				HOIST F/ 1702' TO 1059'. FLOW CHECK @ 1059'
	1:30 2:00	0.50		57				BREAK OFF X/O FOR FIBREGLASS TUBING. FOUND X/O PLUGGED WITH LCM.
	2:00 2:30	0.50		57				REMOVE ROTATING RUBBER FROM DRILL STRING.
	2:30 3:15	0.75		57				BREAK DOWN STAND TO CHECK FOR PLUGGED PIPE. LAY DOWN LAST SINGLE.
	3:15 3:30	0.25		57				RACK BACK STAND OF DP. PICK UP TUBING HANDLING EQUIPMENT.
	3:30 4:30	1.00		57				LAY DOWN 2 7/8" TUBING.
	4:30 5:45	1.25		57				CONTINUE TO LAY DOWN TUBING.
	5:45 6:00	0.25		57				RIG OUT TUBING HANDLING EQUIPMENT.
8/30/2010	6:00 6:15	0.25		57				PRE TOUR SAFETY MEETING (TONGS AND SLIPS)
	6:15 9:00	2.75		57				MAKE UP BIT AND BHA, TRIP IN HOLE
	9:00 9:30	0.50		57				INSTALL ROTATING HEAD, FILL BHA WITH CLEAN MUD AND BREAK CIRCULATION
	9:30 11:00	1.50		57				TRIP IN HOLE TO 4995' (CASING SHOE) , FLOW CHECK
	11:00 12:00	1.00		57				FILL DRILL PIPE AND CIRCULATE BOTTOMS UP WITH 2 PUMPS AT 100 SPM EACH (11.6 BPM)
	12:00 13:15	1.25		57				SLIP AND CUT 57.6' OF DRILLING LINE
	13:15 14:45	1.50		57				TRIP IN HOLE, TAG FILL AT 7875'
	14:45 16:30	1.75		57				CIRCULATE BOTTOMS UP CHECKING FOR CEMENT CONTAMINATION IN MUD. WASHING EACH STAND DOWN WATCHING FOR GOOD CEMENT. (120 SPM, 1 PUMP, 6.8 BPM) LOST APPROXIMATELY 45 BBLs OF MUD AT A RATE OF 1 BBLs PER MINUTE FOR FIRST 45 MINUTES, SEALED OFF, NO LOSSES.
	16:30 18:00	1.50		57				WASH/ REAM F/ 7875' - 7970'. NO CEMENT IN PLACE.
	18:00 18:15	0.25		57				PRE TOUR SAFETY MEETING. (PUMP MAINTENANCE AND REPAIR)

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	18:15 21:00	2.75		57				WASH/REAM F/ 7970 - 8400'. NO CEMENT IN PLACE. ALMOND SIZED FRAGMENTS OF CEMENT ENCOUNTERED IN LCM SCREEN WHILE DOING MUD CHECKS AFTER CIRCULATING BELOW 8248'. NO CEMENT ENCOUNTERED AS SOLID PLUG. BELOW 8248, CONNECTION GAS LEVELS INCREASED ON BOTTOMS UP. VOLUME GAIN (54 BARRELS) APPEARS TO BE PRIMARILY FROM FORMATION WATER INFLUX. DENSITY AT 12.9 IN/ 12.7 OUT WHEN 8400' REACHED.
	21:00 23:45	2.75		57				CIRCULATE BOTTOMS UP, RAISE DENSITY TO 13.0 PPG TO CONTROL WELL FOR TRIP.
	23:45 0:00	0.25		57				PRE-JOB MEETING (TRIP OUT OF HOLE WHILE PUMPING).
	0:00 0:00			57				TRIP OUT OF HOLE, WHILE PUMPING, TO CONTROL INFLUX OF FORMATION WATER. FLOW CHECK @ 8342', 7876', 6567'. HOLE TOOK PROPER AMOUNT OF FLUID WHILE PULLING FIRST 20 STANDS WHILE CIRCULATING. SWABBED HOLE WHEN PULLING STANDS 21 + 22 WITHOUT PUMPING. GAINED 1.1 BBL IN TRIP TANK. HOLE SHOULD HAVE TAKEN 3.9 BBL. RESUMED PUMPING WHILE HOISTING STANDS.
8/31/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING
	6:15 12:00	5.75		57				TRIP OUT OF HOLE, FLOW CHECK AT 1065.0
	12:00 12:45	0.75		57				CLEAN FLOOR, PREPARE TO PICK UP TUBING
	12:45 15:00	2.25		57				PICK UP 33 JOINTS OF FIBERGLASS TUBING AND 1 XO 4-1/2XH X 2-7/8 EUE 8 ROUND, TOTAL LENGTH 966.70'
	15:00 15:15	0.25		57				RIG OUT TUBING TOOLS, MAKE UP XO.
	15:15 15:45	0.50		57				INSTALL ROTATING HEAD, BREAK CIRCULATION
	15:45 17:00	1.25		57				TRIP IN HOLE TO CASING SHOE (5020')
	17:00 17:30	0.50		57				FILL PIPE.
	17:30 18:00	0.50		57				TRIP IN HOLE F' 5020' TO 6617'
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (TRIP IN HOLE)
	18:15 19:30	1.25		57				TRIP IN HOLE F/ 6617' - 8118'
	19:30 20:00	0.50		57				WASH F/ 8118' - 8385.86'.
	20:00 21:30	1.50		57				CIRCULATE AND PICK UP CEMENTING TOOLS.
	21:30 21:45	0.25		57				PRE JOB SAFETY MEETING W/ SCHLUMBERGER.
	21:45 22:45	1.00		57				RUN CEMENT PLUG TO HEAL LOST CIRCULATION/ PRESSURES. SET CEMENT PLUG FROM 8385.86' TO 7175' WITH 20 BBLS. OF WATER, 435 SKS (89.83 BBLS.) OF CLASS "G" PLUS ADDITIVES. DISPLACE WITH 5.2 BBLS. OF WATER, THEN 96.1 BBLS. OF DRILLING MUD. PLUG BALANCED. FULL RETURNS THROUGHOUT OPERATION
	22:45 0:00	1.25		57				TRIP OUT OF HOLE F/ 8387' - 6989'.
	0:00 0:45	0.75		57				RIG IN SCHLUMBERGER AT 6989' TO CLEAR DRILL STRING WHEN STANDS WERE PULLING WET. ATTEMPTED TO FORWARD PUMP. STRING PRESSURED UP TO 3,000 PSI. FLUID DID NOT MOVE.
	0:45 1:00	0.25		57				RIG IN SCHLUMBERGER. RIGGED INTO "B" SECTION, TO PUMP DOWN HOLE. PUMPED 4 BARRELS DOWN BACKSIDE. FLUID IN PIPE DID NOT MOVE.
	1:00 6:00	5.00		57				TRIP OUT OF HOLE F/ 6989' - 1342' FLOW CHECKS @ 5124', 3725',
9/1/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING
	6:15 9:45	3.50		57				TRIP OUT OF HOLE. LAY DOWN PLUGGED SINGLES (TOP 3 JOINTS PLUGGED WITH LCM)
	9:45 10:45	1.00		57				CLEAN CEMENT FROM RIG FLOOR, TRIP TANK, AND TOOLS
	10:45 12:30	1.75		57				MAKE UP BIT AND BHA
	12:30 14:00	1.50		57				TRIP IN HOLE TO 5021'

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	14:00 14:30	0.50		57				FILL DRILL PIPE AND CIRCULATE
	14:30 15:45	1.25		57				TRIP IN HOLE TO 7166' (TAGGED CEMENT)
	15:45 18:00	2.25		57				DRILLING CEMENT FROM 7191'-7250' (GOOD , HARD CEMENT.) NO LOSSES AND NO GAINS.
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (CHANGE OUT SLIP AND TONG DIES.)
	18:15 20:30	2.25		57				DRILLING CEMENT F/ 7250' - 7411'. HARD CEMENT TO 7327' (TOOK 30,000 LB WOB TO DRILL), THEN BROKE THROUGH TO SOFTER CEMENT, WHICH REQUIRED FROM 2,000 WOB TO 17,000 WOB. PRIMARY CONCERN BECAME RATE AT WHICH DRILLING COULD BE MAINTAINED WHILE STILL TREATING THE MUD SYSTEM.
	20:30 20:45	0.25		57				RIG SERVICE. FUNCTION ANNULAR - 18 SEC, HCR - 3 SEC, TOP PIPE RAMS - 3 SECONDS, BOTTOM PIPE RAMS - 3 SECONDS.
	20:45 23:00	2.25		57				DRILL CEMENT F/ 7411' TO 7490'.
	23:00 23:30	0.50		65				ATTEMPT TO GET PUMP PRIMED SO THAT PUMPING COULD RESUME.
	23:30 0:00	0.50		57				ACCUMULATED CONNECTION TIME.
	0:00 5:00	5.00		57				DRILL CEMENT F/7490' - 7782' LOST CIRCULATION AT 7754'.
	5:00 6:00	1.00		65				MIX LCM AND WORK ON PUMP.
9/2/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING
	6:15 7:00	0.75		65				WORK ON PUMPS, WORK PIPE
	7:00 7:30	0.50		57				DRILLING FROM 7782'-7812' (NO SOLID CEMENT)
	7:30 10:45	3.25		57				BUILD VOLUME AND CONDITION MUD.
	10:45 11:30	0.75		57				DRILLING CEMENT FROM 7812'-7910' (NO CEMENT FROM 7812'-7895', GOOD CEMENT FROM 7895'-7910'.
	11:30 11:45	0.25		57				PRE JOB SAFETY MEETING ON TRIPPING OUT OF THE HOLE.
	11:45 18:00	6.25		57				FLOW CHECK, TRIP OUT OF THE HOLE. HOLE SWABBING, PUMPING EACH JOINT OUT. FLOW CHECKS @ 7910', 7501', 6475', 4982', 3956'
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (TRIP OUT, USE OF SPINNER)
	18:15 21:30	3.25		57				TRIP OUT F/ 3956'. FLOW CHECK @ 976', 0'
	21:30 22:00	0.50		57				CLEAN FLOOR, STRAP FIBERGLASS TUBING, RIG UP HANDLING EQUIPMENT.
	22:00 23:30	1.50		57				PICK UP 27 JOINTS OF 2 7/8" FIBERGLASS TUBING (788.46')
	23:30 0:00	0.50		57				INSTALL X/O (2.1') AND ROTATING HEAD.
	0:00 2:00	2.00		57				FILL PIPE, CONFIRM CIRCULATION, TRIP IN HOLE. F/ 790' - 4978'.
	2:00 2:30	0.50		57				FLOW CHECK AND FILL PIPE. CONFIRM CIRCULATION.
	2:30 2:45	0.25		57				RIG SERVICE. GREASE BLOCKS, TOP DRIVE AND DRAWWORKS. FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS. 4 SEC/ 4 SEC.
	2:45 4:45	2.00		57				TRIP IN HOLE F/ 4978' - 7780'. CIRCULATE TO 7896' WITH PARTIAL RETURNS.
	4:45 6:00	1.25		57				WORK PIPE WHILE WAITING ON SCHLUMBERGER TO CEMENT PLUG.
9/3/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING (TRIPPING OUT OF THE HOLE)
	6:15 7:45	1.50		14				WORK PIPE AND RIG UP CEMENTERS
	7:45 8:00	0.25		18				PRE JOB SAFETY MEETING WITH SCHLUMBERGER AND RIG CREW
	8:00 9:00	1.00		13				SPOT BALANCED PLUG.CEMENT WITH 20 BBLS. OF WATER, 45.5 BBLS. (220 SKS. ), DISPLACED WITH 7.1 BBLS. OF WATER, 88.0 BBLS OF 13.1PPG DRILLING MUD.
	9:00 10:00	1.00		04				PULLED 10 STANDS OF DRILL PIPE. BROKE CIRCULATION.
	10:00 10:15	0.25		18				RIG OUT CEMENTERS

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	10:15 10:45	0.50		04				PULLED 10 STANDS OF DRILL PIPE, TRY TO PUMP TRIP PILL. PLUGGED STRING.
	10:45 12:45	2.00		04				FLOW CHECK, TRIP OUT OF HOLE TO CASING SHOE.
	12:45 13:00	0.25		18				BOP DRILL, FUNCTION ANNULAR 18 SECONDS, FUNCTION HCR 3 SECONDS, WELL SECURE IN 100 SECONDS.
	13:00 18:00	5.00		04				TRIP OUT OF HOLE, F/5005' - 790'. START LAYING DOWN 2-7/8" TUBING. TUBING PLUGGED W/ LCM AT X/O. 22 JTS PLUGGED W/ CEMENT AND LCM. 5 JTS CLEAR AND USABLE.
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (TRIPPING IN HOLE)
	18:15 19:00	0.75		04				LAY DOWN TUBING FROM 790' - 0'. FLOW CHECK.
	19:00 19:45	0.75		04				CLEAN CEMENT FROM RIG FLOOR AND PREPARE TO TRIP IN HOLE W/ BIT.
	19:45 21:30	1.75		04				MAKE UP BIT & BHA. FLOW CHECK @ 961'.
	21:30 22:00	0.50		04				INSTALL ROTATING HEAD RUBBER & FILL PIPE.
	22:00 0:00	2.00		04				TRIP IN HOLE F/ 961' - 4994'. FLOW CHECK.
	0:00 1:15	1.25		18				FILL PIPE AND CIRCULATE BOTTOMS UP FROM 4994'.
	1:15 2:30	1.25		04				TRIP IN HOLE F/ 4994' - 7871 - TAG POSSIBLE CEMENT.
	2:30 3:00	0.50		08				FILL PIPE AND BREAK CIRCULATION.
	3:00 6:00	3.00		57				CIRCULATE AND WORK PIPE, MIX LCM. LOSING APPROX. 80 - 100 BBL/HR WHEN PUMPING.
9/4/2010	6:00 6:15	0.25		57				PRE TOUR SAFETY MEETING (REVIEW JSA #30, MIXING CHEMICALS)
	6:15 7:45	1.50		57				CIRCULATE AND CONDITION MUD. DRILLING CEMENT FROM 7880'-7895'(FAIR CEMENT)7895'-7900' (GOOD CEMENT) 7900'-7910' (NO CEMENT)
	7:45 18:00	10.25		57				TRIP OUT OF HOLE (PUMPING OUT, WELL SWABBING) FLOW CHECKS AT 7315', 3955', 975'.
	18:00 18:15	0.25		57				PRE TOUR SAFETY MEETING.
	18:15 21:00	2.75		57				TRIP OUT OF HOLE. PUMP 18 BBL (NO RETURNS) AT 337' AT SURFACE, HOLE TOOK 12.2 BBL.
	21:00 22:15	1.25		57				CLEAN RIG FLOOR, STRAP AND PREPARE TUBING. RIG UP TUBING EQUIPMENT. DUMP AND CLEAN TANK #3.
	22:15 22:30	0.25		57				PRE TOUR SAFETY MEETING (RUNNING TUBING)
	22:30 0:00	1.50		57				RUNNING 2 7/8" FIBERGLASS TUBING, 5 JTS OLD TUBING, 17 JTS NEW TUBING
	0:00 1:45	1.75		57				CONTINUE RUNNING TUBING. TUBING WANTS TO FLOAT. PUMP 3 BBLs WITH 17 JTS OUT, TO ENSURE THAT TUBING IS OPEN AND CLEAR. TOTAL FINERGLASS TUBING: 39 JTS, 1134.5' + X/O 2.1' = 1136.60' CLEAN TANK #4.
	1:45 2:00	0.25		57				MAKE UP X/O, RIG OUT TUBING RUNNING EQUIPMENT.
	2:00 3:30	1.50		57				RUN IN HOLE TO 4953'. FLOW CHECK AT 1227', 4953'. CLEAN TANK #2.
	3:30 6:00	2.50		57				TRANSFER TANK 1 TO TANK 2. BUILD VOLUME IN TANK 1. FILL PIPE. WAIT ON CEMENTING EQUIPMENT.
9/5/2010	6:00 6:15	0.25		57				PRE TOUR SAFETY MEETING (REVIEW JSA #30 MIXING CHEMICALS)
	6:15 8:30	2.25		57				BUILDING VOLUME, WAITING ON SCHLUMBERGER)
	8:30 10:00	1.50		57				TRIP IN HOLE WITH DRILL PIPE.
	10:00 12:30	2.50		57				CIRCULATE AND RIG UP SCHLUMBERGER
	12:30 12:45	0.25		57				HELD PRE JOB SAFETY MEETING WITH SCHLUMBERGER, AES, AND PRECISION RIG CREWS.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	12:45 14:15	1.50		57				SET CEMENT PLUG #4 F/ 7905' - 7029' - WITH 20 BBLS. OF WATER, 60 BBLS (290 SKS) OF CLASS "G" CEMENT WITH CEMENT, 1-1/2 BBLS OF WATER, AND 96.1 BBLS. OF 13.1 PPG DRILLING MUD. FULL RETURNS THROUGH ENTIRE JOB. PIPE WAS ON VACUUM. PULLED FREE OFF OF BOTTOM. 15' OFF OF BOTTOM PULLED APPROXIMATELY 40K OVER STRING WEIGHT, STRING JUMPED. WHEN PIPE JUMPED FLUID LEVEL FELL.
	14:15 15:00	0.75		57				TRIP OUT OF HOLE 13 STANDS TRYING TO FILL HOLE AS WE TRIPPED OUT. FIRST 10 STANDS OUT WERE DRY, NEXT 3 WERE WET.
	15:00 16:30	1.50		57				TRY TO FILL HOLE DOWN DRILL PIPE. TOOK A TOTAL OF 162 BBLS OF MUD TO FILL HOLE.
	16:30 18:00	1.50		57				MIXED TRIP PILL AND TRIP OUT OF HOLE F/ 6504' - 4500'.
	18:00 18:15	0.25		57				PRE TOUR SAFETY MEETING. (TRIP OUT OF HOLE)
	18:15 19:00	0.75		57				TRIP OUT OF HOLE F/ 4500' - 2684'.
	19:00 19:15	0.25		57				BOP DRILL W/ CREW - TRIPPING DP - WELL SECURE & CREW IN POSITION IN 90 SECONDS.
	19:15 20:00	0.75		57				TRIP OUT OF HOLE F/ 2684' - 1137'.
	20:00 21:00	1.00		57				LAY DOWN 11 JTS OF 2 7/8" TUBING.
	21:00 22:30	1.50		57				RIG OUT TUBING EQUIPMENT, CLEAN RIG FLOOR, WAIT ON ORDERS.
	22:30 23:15	0.75		57				RUN 2 7/8" TUBING - 11 JOINTS - TO 322' (320.34' + 2.10' X/O)
	23:15 0:00	0.75		57				TRIP IN HOLE F/ 322' - 1300'.
	0:00 1:00	1.00		57				TRIP IN HOLE F/ 1300' - 4975'. FLOW CHECK.
	1:00 1:15	0.25		57				PRE JOB SAFETY MEETING - SLIP & CUT.
	1:15 2:30	1.25		57				SLIP & CUT 57.6' OF DRILLING LINE.
	2:30 2:45	0.25		57				RIG SERVICE, GREASE CROWN & BLOCKS, TOP DRIVE & DRAWWORKS, DRIVELINE.
	2:45 6:00	3.25		57				BUILD AND CONDITION VOLUME, CLEAN RIG WHILE WAITING AT CASING SHOE.
9/6/2010	6:00 6:15	0.25		57				PRE TOUR SAFETY MEETING (PREVIEW JSA #62, PRESSURE WASHING)
	6:15 15:00	8.75		57				CLEANING UP MUD AND CEMENT FROM RIG. MIXING MUD AND BUILDING VOLUME IN MUD PITS. CLEAN AND FLUSH 400'S.
	15:00 16:00	1.00		57				TRIP IN HOLE TO 7086'
	16:00 17:45	1.75		57				WORK PIPE AND CIRCULATE. LOSING APPROXIMATELY 10 BBLS / HOUR. RIGGING UP SCHLUMBERGER
	17:45 18:00	0.25		57				PRE JOB SAFETY MEETING WITH SCHLUMBERGER, AES, AND PRECISION RIG CREWS.
	18:00 18:15	0.25		57				PRE TOUR SAFETY MEETING. (RUNNING CEMENT PLUGS)
	18:15 19:15	1.00		57				RUN CEMENT PLUG #5 F/ 7089' - 6589': PUMP 20 BBL H2O, FOLLOWED BY 180 SXS CLASS 'G' + ADDITIVES (37 BBL/ 15.6 LB/GAL), FOLLOWED BY 3.3 BBL H2O, AND DISPLACED WITH 92.4 BBL 13.0 LB/GAL DRILLING MUD. LOST RETURNS FOR SEVERAL MINUTES WHILE DISPLACING SLURRY WITH DRILLING MUD. TUBING STUCK WHEN TRIED TO MOVE. PULLED 40K OVER STRING WEIGHT, PULLED OFF OF 2-7/8" TUBING.
	19:15 20:15	1.00		57				PULL 10 STANDS F/ 7089' TO 6154'.
	20:15 21:30	1.25		57				SQUEEZE CEMENT WITH SCHLUMBERGER. SQUEEZED 4.0 BBL INTO ANNULUS AT 596 PSI, MACP FOR 13.1 LB/GAL MUD.
	21:30 21:45	0.25		57				PULL 5 STANDS, TO 5679'.
	21:45 22:15	0.50		57				FLOW CHECK, RIG OUT CEMENTERS, PUMP PILL.
	22:15 0:00	1.75		57				TRIP OUT OF HOLE F/ 5679' - 1778'. FLOW CHECK @ 3360'.
	0:00 1:15	1.25		57				TRIP OUT OF HOLE F/ 1778' - 0'. FLOW CHECK @ SURFACE.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	1:15 1:30	0.25		57				LAY DOWN 1 JOINT OF DAMAGED 2 7/8" TUBING. LEFT 10 JOINTS OF 2-7/8" FIBERGLASS TUBING, TOTAL LENGTH 293.14' IN HOLE.
	1:30 2:30	1.00		57				RIG OUT TUBING EQUIPMENT, CLEAN RIG FLOOR, WAIT ON ORDERS.
	2:30 4:15	1.75		57				MAKE UP FDS+ BIT, PM 4196, AND BHA. TRIP IN HOLE.
	4:15 5:30	1.25		57				INSTALL ROTATING RUBBER, CIRCULATE BHA, TRIP IN HOLE F/ 886.3' - 1723'.
	5:30 5:45	0.25		57				RIG SERVICE. TROUBLESHOOT BAYLOR GRINDING.
	5:45 6:00	0.25		60				WORK ON BAYLOR BRAKE.
9/7/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING (REVIEW JSA #8 , TRIPPING IN HOLE
	6:15 14:15	8.00		60				WORK ON BAYLOR BRAKE. CHANGED BRASS SLIDE, TROUBLESHOOT LUBRICATION SYSTEM, NEW OILER PUMP ORDERED.
	14:15 15:45	1.50		04				TRIP IN HOLE TO 5021.
	15:45 16:45	1.00		18				TRY TO PRIME PUMPS. FILL PIPE
	16:45 17:30	0.75		08				CIRCULATE AND CONDITION MUD. GO THROUGH #2 PUMP
	17:30 17:45	0.25		04				TRIP IN HOLE TO 5729'
	17:45 18:00	0.25		13				WASH THROUGH BRIDGE AT 5729'.
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING (SETTING AND PULLING SLIPS)
	18:15 18:45	0.50		04				TRIP IN HOLE F/ 5729' - 6703'. TAG POSSIBLE CEMENT STRINGERS AT 6640'. TAG CEMENT @ 6703'.
	18:45 0:00	5.25		13				DRILL CEMENT FROM 6703' - 6795', POINT OF EXPECTED TOP OF FIBERGLASS TUBING. DRILL CEMENT & FIBERGLASS TUBING F/ 6795' - 6817'.
	0:00 2:00	2.00		13				DRILL CEMENT & FIBERGLASS F/ 6817' - 6843'. FIBERGLASS NOTED ON SHAKER @ 00:17 HR.
	2:00 2:15	0.25		06				RIG SERVICE ON CONNECTION. GREASE BLOCKS, TOP DRIVE, DRAWWORKS, BAYLOR BRAKE. FUNCTION UPR/ LPR - 4/4 SECONDS.
	2:15 6:00	3.75		13				DRILL CEMENT AND FIBERGLASS F/ 6843' - 6905'.
9/8/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING (LOCKOUT / TAGOUT)
	6:15 18:00	11.75		67				DRILLING CEMENT AND FIBERGLASS TUBING FROM 6905'-7400'. GOOD CEMENT AND TUBING TO 7087' HARD CEMENT FROM 7087'-7090'. DRILLING 2-7/8" FIBERGLASS TUBING WITH VERY LITTLE CEMENT FROM 7090'-7400', SOME STRINGERS.
	18:00 18:15	0.25		67				PRE TOUR SAFETY MEETING. (ROTARY DANGER ZONE, HOUSEKEEPING)
	18:15 19:15	1.00		67				DRILL CEMENT AND FIBERGLASS TUBING. F/ 7410' - 7440 FT. FROM 7410' TO 7424' VERY LITTLE CEMENT. FROM 7424' - 7440' - HARD CEMENT - DRILLED W/ 26 - 30K WOB.
	19:15 20:00	0.75		65				ATTEMPT TO PRIME PUMP #2. REBUILT PUMP #1.
	20:00 0:00	4.00		67				DRILL CEMENT AND FIBERGLASS TUBING F/ 7440' - 7588'. HARD CEMENT FROM 7440' - 7995'. DRILLED W/ 28 - 30K WOB. DRILLED 7495' - 7605', MEDIUM, HARD CEMENT - 10 - 20K WOB. FROM 7605' - 7588' - VERY LITTLE CEMENT. SOME STRINGERS.
	0:00 0:15	0.25		67				RIG SERVICE. GREASE TOP DRIVE, BLOCKS, DW & BAYLOR BRAKE. FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS - 4/ 4 SECONDS.
	0:15 2:45	2.50		67				DRILL CEMENT AND FIBERGLASS F/ 7588' - 7770'. LOST CIRCULATION @ 7760'.FROM 7588' - 7775 - VERY LITTLE CEMENT. SOME STRINGERS. INITIAL LOSS: 128 BARRELS.
	2:45 4:00	1.25		57				MIX LCM INTO MUD IN TANKS. WORK PIPE.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	4:00 4:45	0.75		57				SPOT LCM SLUG. (159 BBL - 110 BBL TO FILL DP). BUILD VOLUME. PUMP 31 BBL MUD AFTER 10 MINUTES.
9/9/2010	6:00 6:15	0.25		57				PRE TOUR SAFETY MEETING (REVIEW JSA #9 TRIPPING OUT OF THE HOLE)
	6:15 11:00	4.75		57				WORK PIPE AND BUILDING VOLUME. MOVE MUD TO 400'S AND PREPARE TO DRILL WITH RESERVE PIT WATER.
	11:00 12:00	1.00		57				PUMPED 20 BBLS OF CLEAN MUD, THEN CHANGED TO RESERVE PIT WATER. DRILLING WITH NO RETURNS.HOLE PRESSURING UP, HIGH TORQUE.
	12:00 13:45	1.75		57				CHANGE OVER TO MUD. DRILLING CEMENT AND 2-7/8" FIBERGLASS TUBING FROM 7775'-7874'.
	13:45 14:30	0.75		57				TROUBLE PRIMING PUMPS
	14:30 16:15	1.75		57				DRILLING CEMENT AND 2-7/8" FIBERGLASS TUBING FROM 7874'-7910'. DRILLING HARD CEMENT FROM 7910'-7947'.
	16:15 18:00	1.75		57				PUMP MUD FROM TRIP TANK. FILL WITH CLEAN MUD. PREPARE TO TRIP OUT. WORKING PIPE.
	18:00 18:15	0.25		57				PRE TOUR SAFETY MEETING (PULL OUT OF HOLE)
	18:15 22:15	4.00		57				TRIP OUT OF HOLE F/ 7947' - 3111'. FLOW CHECK AT 7495, 4977', 3111'. PUMPED PILL @ 6562'. NO RETURNS. PUMPED 8.7 BBL @ 7495'. NO RETURNS.
	22:15 23:00	0.75		57				FLOW CHECK AND FILL HOLE. PUMP 41 BBLS MUD. NO RETURNS.
	23:00 0:00	1.00		57				TRIP OUT OF HOLE F/ 3111' - 971'. FLOW CHECK.
	0:00 1:30	1.50		57				FLOW CHECK. FILL HOLE W/ 39 BBL MUD. NO RETURNS. PULL ROTATING HEAD.
	1:30 2:15	0.75		57				UNPLUG FLOW LINE AT ROTATING HEAD - FILLED WITH MUSH OF LCM, CEMENT FRAGMENTS AND FINE FIBERGLASS BITS.
	2:15 4:15	2.00		57				TRIP OUT OF HOLE W/ BHA F/ 971' - 0'. FLOW CHECK @ 0'.
	4:15 4:45	0.50		57				CLEAN RIG FLOOR, PREPARE TO RUN IN DRILL PIPE, OPEN ENDED.
	4:45 6:00	1.25		57				TRIP IN HOLE W/ DRILL PIPE F/ 0' - 2500'
9/10/2010	6:00 6:15	0.25		57				PRETOUR SAFETY MEETING
	6:15 11:30	5.25		57				TRIP IN HOLE WITH OPEN ENDED DRILL PIPE TO SPOT BALANCED CEMENT PLUG TO 7854'
	11:30 11:45	0.25		57				PRE JOB SAFETY MEETING WITH SCHLUMBERGER, PRECISION RIG CREWS, AND BOTH CONSULTANTS.
	11:45 12:45	1.00		57				RIG UP SCHLUMBERGER AND CEMENT WITH 30 BBLS OF 14.5 PPG MUDPUSH, 74.3 BBLS (360 SKS)OF CLASS "G" 15.8 PPG CEMENT, 7.8 BBLS. OF 14.5 PPG. MUDPUSH, AND 88.5 BBLS OF DRILLING MUD. LOST 21.5 BBLS OF MUD AFTER CEMENT LEFT END OF DRILL PIPE.
	12:45 13:45	1.00		57				PULLED 15 STANDS OF DRILL PIPE TO 6450' AND BROKE CIRCULATION. (HOLE FILL TOOK 6.8 BBLS OVER)
	13:45 15:00	1.25		57				CIRCULATE BOTTOMS UP+. WATCHING FOR CEMENT.NO CEMENT TO SURFACE. LOST 34 BBLS OF MUD WHILE CIRCULATING. TOTAL LOSSES FROM TIME CEMENT LEFT END OF DRILL PIPE (62 BBLS.)
	15:00 18:00	3.00		57				PUMP PILL AND TRIP OUT OF HOLE TO 2790'
	18:00 18:15	0.25		57				PRE TOUR SAFETY MEETING (P.O.O.H.)
	18:15 19:15	1.00		57				TRIP OUT F/ 2790' - 0'. FLOW CHECK @ 0'. VOLUMES: MEASURED - 74.4, CALCULATED - 52.1, DIFFERENCE - 22.3 BBL.
	19:15 21:00	1.75		57				MAKE UP BIT, MAKE UP BHA. RUN BHA IN HOLE.
	21:00 21:30	0.50		57				INSTALL ROTATING RUBBER. FLOW CHECK AND FILL PIPE.
	21:30 22:45	1.25		57				TRIP IN F/ 951' TO 4984'.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	22:45 0:00	1.25		57				FILL PIPE AND CIRCULATE BOTTOMS UP.
	0:00 0:15	0.25		57				RIG SERVICE. GREASE BLOCKS, TOP DRIVE, DRAWWORKS, BAYLOR & DRIVELINE.
	0:15 4:00	3.75		57				WAIT ON CEMENT. BUILD VOLUME, WASH RIG, CIRCULATE AT CASING SHOE.
	4:00 6:00	2.00		57				TRIP IN HOLE F/ 4984' - 6842'. TAG BRIDGE OR CEMENT STRINGER @ 6794'.
9/11/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING. (REVIEW JSA #10 CONNECTIONS)
	6:15 7:45	1.50		67				CLEAN OUT PUMPS & PRIME PUMPS
	7:45 9:30	1.75		57				WASH F/ 6851'-7202'. TAG STRINGER @ 7151', 7202'
	9:30 10:15	0.75		57				DRILL F/ 7202'-7335'. (REPRIMING PUMPS EVERY CONNECTION & PART WAY THROUGH FULL KELLY)
	10:15 11:15	1.00		57				CHANGE OUT ROTATING RUBBER
	11:15 13:15	2.00		57				DRILL F/ 7335'-7490'. (REPRIMING PUMPS EVERY CONNECTION & PART WAY THROUGH FULL KELLY)
	13:15 13:30	0.25		57				RIG SERVICE, GREASE BAYLOR BRAKE, TOP DRIVE, FUNCTION ANNULAR 18 SEC.
	13:30 16:45	3.25		57				DRILL F/ 7490'-7685'
	16:45 18:00	1.25		57				CLEAN PUMPS & PRIME
	18:00 18:15	0.25		57				PRE TOUR SAFETY MEETING. (RIG SERVICE, TRAPPED TORQUE)
	18:15 19:00	0.75		67				ATTEMPT TO REPRIME #2 PUMP, REBUILD #1.
	19:00 0:00	5.00		57				DRILL CEMENT F/ 7685' - 8055'. FROM 7680' - 7947' - LOST APPROX 25 BBL MUD IN 3 HOURS. VOLUMES STABILIZED WHILE DRILLING BELOW 7947'.
	0:00 2:00	2.00		57				DRILL CEMENT F/ 8055' - 8150'.
	2:00 3:00	1.00		67				CHANGE 2 HEADS #1 PUMP, ATTEMPT TO CIRCULATE #2 PUMP.
	3:00 4:45	1.75		57				DRILL CEMENT F/ 8150' - 8243'
	4:45 5:00	0.25		67				RIG SERVICE, GREASE BLOCKS, TOP DRIVE, DRAWWORKS, BAYLOR BRAKE, FUNC. UPPER PIPE RAMS, LOWER PIPE RAMS - 4/4 SECONDS.
	5:00 5:45	0.75		57				CONNECTION @ 8243'. PRIME PUMPS.
	5:45 6:00	0.25		57				DRILL CEMENT F/ 8243' - 8253'
9/12/2010	6:00 6:15	0.25		57				PRE TOUR SAFETY MEETING. (JSA # 30 MIXING CHEMICALS)
	6:15 11:00	4.75		57				DRILL CEMENT F/ 8253'-8419', NO CEMENT. WASH TO BOTTOM TAGGING STRINGER FROM 8670 TO BOTTOM
	11:00 11:45	0.75		57				CIRC BOTTOMS UP.
	11:45 17:30	5.75		57				WORK ON PUMPS, UNABLE TO PICK UP PRIME. CHANGE VALVE IN BOTH PUMPS. PRIME # 2 PUMP, 10 MIN PUMP BEFORE PUMP GOT PRIMED, PUMP FOR 25 MIN, STOP PUMP TO BRING ON #1 PUMP, UNABLE TO PRIME EITHER PUMP, TEAR DOWN PUMPS, TEAR DOWN PUMP #2 ALL VALVE RUBBERS ARE DESTROYED. CHANGE 6 SEATS IN #1 PUMP.
	17:30 18:00	0.50		57				CIRCULATE BOTTOMS UP. WORK DRILL STRING @ 8742'.
	18:00 18:15	0.25		57				PRE TOUR SAFETY MEETING (MUD PUMP REPAIRS, DRIVING)
	18:15 20:00	1.75		57				CIRCULATE AND MONITOR BACKGROUND GAS LEVELS.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	20:00 20:30	0.50		59				TRIP OUT OF HOLE F/ 8742' - 8430'. FLOW CHECK @ 8736'. PULLED STANDS 1 - 3 WITH APPROX. 10,000 LB DRAG OVER STRING WEIGHT. ON 4TH STAND PIPE PULLED TIGHT - AN ADDITIONAL 30,000 LB OVER WAS PULLED. PIPE LOWERED DOWN AND SLIPS SET. TOP DRIVE SCREWED INTO STUMP. PUMPING WAS STARTED AND ROTATION WAS INITIATED AS PIPE PULLED UP. TORQUE WAS NOTED TO BE CLIMBING AND PUMP PRESSURE CLIMBED. PUMPING WAS SHUT DOWN AND ROTATION WAS STOPPED. PIPE WAS STUCK AT 8430'.
	20:30 2:45	6.25		59				WORK STUCK PIPE. JARRING DOWN W/ 75,000 DOWN. TOP JARS WERE WORKING. LOWER JARS WERE NOT FIRING. AT 23:20, TRIED TO CIRCULATE. FLUID LEVEL NOTED TO BE 25' - 35' BELOW FLOOR LEVEL. PUMP PRESSURE CLIMBED TO 766 PSI, WITH NO RETURNS OR CHANGE IN ANNULAR FLUID LEVEL. PUMPING STOPPED. CONTINUED WORKING BY PULLING UP. TOP JARS WERE NOTED TO HAVE STOPPED FIRING GOING UP OR DOWN.
	2:45 3:00	0.25		59				SAFETY MEETING (RIG IN FREE POINT TOOLS)
	3:00 4:45	1.75		59				RIG UP FREE POINT TOOLS.
	4:45 6:00	1.25		59				RUN IN W/ WIRELINE TO FIND FREE POINT.
9/13/2010	6:00 6:15	0.25		59				PRE TOUR SAFETY MEETING. ( JSA #34 LOCK OUTS)
	6:15 7:45	1.50		59				RIH TO FREE POINT. TEST TOOLS @ 5999' 10 % FREE. RIH TO 7550' 0 % FREE, 7450' 0% FREE, 7300' 0% FREE, 7110' 0 % FREE, PULL UP HOLE TO 6520' 84 % FREE, 6550' 84 % FREE, 6705' 75 % FREE, 6800' 2 % FREE, 6770' 16 % FREE, 6735' 68 % FREE,
	7:45 8:00	0.25		59				SAFETY MEETING.
	8:00 8:45	0.75		59				BACK OFF @ 6658'.
	8:45 9:45	1.00		59				RIG OUT WIRELINE.
	9:45 11:00	1.25		59				BREAK CIRC. UNABLE TO BRING BOTTOMS UP, PUMP LOSING SUCTION
	11:00 18:00	7.00		59				WORK ON PUMPS, PRIME PUMPS, START PUMPING FOR 10 MIN, PUMPS LOST PRIME, WORK ON PUMPS. ATTEMPT TO PRIME PUMPS, WORK ON PUMPS, CHANGE OUT PRE CHARGE PUMP AND COMMENCE CLEANING TANK #2.
	18:00 18:15	0.25		59				PRE TOUR SAFETY MEETING ( MIXING MUD PRODUCTS, CLEANING MUD TANKS)
	18:15 0:00	5.75		59				ADD WATER TO TANK #2. FLUSH PUMPS AND SUCTION LINES. DUMP WATER IN TANK #2. MOVE USABLE MUD FROM TANK #3 & #4 INTO TANK #2. START CLEANING TANK #3. PUMP TANK #1 INTO TANK #2, AND REFILL TANK #1 W/ WATER. FINISHED CLEANING TANK #3, AND START CLEANING TANK #4. TRANSFER MUD FROM TANK #2 TO TANK #3. FINISH CLEANING TANK #4. REFILL TANK #1 W/ WATER. COMMENCE MIXING NEW BATCH OF MUD IN TANK #1. ADD 0.7 BBL TO ANNULUS TO BRING FLUID LEVEL UP TO BASE OF BOP STACK.
	0:00 3:30	3.50		59				PRIME PUMPS, CIRCULATE AT 60 SPM OVER SHAKERS, TO CONDITION MUD AND SHAKE OUT LCM IN SYSTEM. BRING PUMP STROKES UP TO 120 SPM, WITH OCCASIONAL LOSSES OF PUMP PRIME.
	3:30 5:00	1.50		59				ATTEMPT TO BRING 2 PUMPS ON LINE. SUCTION LINE LEAK ON #2. STOP PUMPS TO CONDITION MUD TO 13.2 #/GAL IN ACTIVE SYSTEM AFTER LIGHT MUD TRANSFERRED FROM TANK #1 INTO ACTIVE.
	5:00 6:00	1.00		59				CIRCULATE HOLE W/ 2 PUMPS ONLINE @ 75 to 100 SPM EACH.
9/14/2010	6:00 6:15	0.25		59				PRE TOUR SAFETY MEETING. JSA #9 TRIPPING OUT OF HOLE

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	6:15 7:45	1.50		59				CIRC & CONDITION MUD. PUMP SLUG
	7:45 9:45	2.00		59				FLOW CHECK, POOH. TO 3744'.
	9:45 10:00	0.25		59				WORK ON TOP DRIVE.
	10:00 12:30	2.50		59				POOH. F/C @ SURFACE. WELL STATIC
	12:30 13:00	0.50		58				RIG UP FISHING TOOLS.
	13:00 13:15	0.25		58				SAFETY MEETING W/ FISHING TOOL HAND.
	13:15 17:00	3.75		58				MAKE UP FISHING TOOLS, SCREW IN SUB, BUMPER JARS, DRILLING JARS, 6.5" DC, 4.5" HWDP, DRILLING JARS, 4.5" HWDP, 4.5 DP. RIH
	17:00 18:00	1.00		58				RUN IN HOLE 0' - 880.23'.
	18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING. (TRIP IN HOLE)
	18:15 20:45	2.50		58				TRIP IN HOLE. STRAP IN. FLOW CHECK @ 4886'. TAG FISH AT 6649'.
	20:45 21:15	0.50		58				SCREW INTO FISH, TORQUE TO 16,500 FT-LB. AND VERIFY. WASHED OVER TOP OF FISH WITH 537 PSI PUMP PRESSURE. PUMP PRESSURE CLIMBED TO 1525 PSI BEFORE PUMP STOPPED. NO CIRCULATION THROUGH FISH.
	21:15 0:00	2.75		58				JAR DOWN ONTO FISH. STRING WEIGHT = 120,000 LB. PULL UP TO 130,000 TO COCK JARS. SET DOWN TO 70,000 LB FOR JARS TO FIRE. 77" TRAVEL FROM 130,000 LB DOWN TO 70,000 LB.
	0:00 0:30	0.50		59				CHANGE OUT SAVER SUB & WORKING SINGLE.
	0:30 3:45	3.25		58				JAR DOWN ONTO FISH. STRING WEIGHT = 120,000 LB. PULL UP TO 130,000 TO COCK JARS. SET DOWN TO 70,000 LB FOR JARS TO FIRE. 77" TRAVEL FROM 130,000 LB DOWN TO 70,000 LB. NO MOVEMENT ON FISH NOTED.
	3:45 6:00	2.25		58				JAR UPWARDS ON FISH. STRING WEIGHT = 120,000 + FISH WEIGHT OF APPROX. 82,000 TOTALS 202,000 LB. PULL UP TO 220,000 LB TO FIRE JARS. PULL UP TO 230,000 LB. THEN SET DOWN TO 100,000 TO COCK JARS. AT 04:45 - ADDED MUD TO FILL ANNULUS. SEEPAGE LOSS FROM 21:00 HR TO 04:45 = 1.1 BBL..
9/15/2010	6:00 6:15	0.25		59				PRE TOUR SAFETY MEETING, JSA # 28 RIG SERVICE
	6:15 8:00	1.75		59				STOP JARING, LOCK WASHER DROPPED ON RIG FLOOR. INSPECT DERRICK & TORQUE TUBE.
	8:00 9:45	1.75		59				JAR DOWN ON FISH. JAR @ 80 SLACK OFF TO 60 KLBS
	9:45 10:45	1.00		59				RIG UP FISHING TRUCK TO FREE POINT
	10:45 11:00	0.25		59				HELD SAFETY MEETING W/ RIG CREW & FISHING CREW
	11:00 13:00	2.00		59				TAG DEBRIS IN JARS, UNABLE TO GO THOUGH. FREE POINT @ 5665' 100 % TENSION , ROTATE 100 %. 6800' 0 % TENSION. ROTATE 0 %. 6765' 0 % TENSION. 6735' 0 % TENSION, ROTATING 0 %. 6700' 12 % TENSION, 0 % ROTATING, 6675' 82 % TENSION, 100% ROTATING. 6693' 12 % TENSION, 0 % ROTATING. POOH.
	13:00 13:15	0.25		59				HELD SAFETY MEETING W/ RIG CREW & FISHING CREW. ON STRING SHOT
	13:15 15:00	1.75		59				RIH W/ STRING SHOT & BACK OFF @ 6650'
	15:00 18:00	3.00		59				F/ C POOH. 6650' - 4385'
	18:00 18:15	0.25		59				PRE TOUR SAFETY MEETING. (TRIP OUT OF HOLE)
	18:15 21:45	3.50		59				TRIP OUT OF HOLE 4385' - 0'. FLOW CHECK @ 3360', 847', 0'.
	21:45 22:45	1.00		59				WASH RIG FLOOR, SAFETY MEETING (RUNNING WASH PIPE), RIG TO RUN 7 5/8" WASH PIPE.
	22:45 23:30	0.75		59				PICK UP WAVY SHOE (7 7/8") WITH 6 JOINTS OF 7 5/8" WASHPIPE.
	23:30 0:00	0.50		59				MAKE UP WASH-OVER BHA.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	0:00 2:00	2.00		59				RUN IN HOLE TO 1059'. FLOW CHECK. TRIP IN TO 2174'.
	2:00 2:15	0.25		59				PUMP PILL TO STOP MUD FROM FLOWING OVER ELEVATORS WHILE LOWERING STAND INTO HOLE.
	2:15 3:45	1.50		59				TRIP IN HOLE F/ 2174' - 4966'.
	3:45 6:00	2.25		59				CIRCULATE AT CASING SHOE, CONDITION CONTAMINATED MUD COMING OUT OF HOLE.
9/16/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING. (TRIPPING IN HOLE)
	6:15 6:30	0.25		58				CIRC BOTTOMS UP @ SHOE (5000')
	6:30 6:45	0.25		58				RIH F/ 4966'-5119'
	6:45 7:30	0.75		58				CIRC, MIX UP SLUG & PUMP
	7:30 8:15	0.75		58				RIH F/ 5119'-5900'
	8:15 9:15	1.00		58				CHANGE OUT SAVER SUB & 1 JT DP, REPLACE ONE JT DP
	9:15 11:00	1.75		58				WASH IN HOLE F/ 5900'-6547', INSTALL ROTATING HEAD
	11:00 13:15	2.25		60				CIRC BOTTOMS UP AND WORK ON DERRICK LIGHTS
	13:15 15:30	2.25		58				WASH DOWN TO FISH, TAG, ROTATE SLOWLY OVER FISH. WASH OVER FISH TO 6843'
	15:30 17:30	2.00		58				CIRC BOTTOMS UP.
	17:30 17:45	0.25		58				CIRC HIGH VIS PILL & DISPLACE.
	17:45 18:00	0.25		58				LOSING FLUID RETURNS. STOP PUMPS.
	18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING. JSA # 9 TRIPPING OUT OF HOLE.
	18:15 19:45	1.50		58				POOH, TO CSG SHOE. WELL TOOK 55 BBLs OVER PIPE DISPLACEMENT.
	19:45 20:00	0.25		58				RIG SERVICE. GREASE BLOCKS, TOP DRIVE, SWIVEL, FUNCTION ANNULARO/C =
	20:00 22:00	2.00		57				MONITOR WELL, WAIT ON WIRELINE TRUCK.
	22:00 23:15	1.25		57				RIG FOR WIRELINE OPERATIONS.
	23:15 23:30	0.25		57				HELD SAFETY MEETING W/ RIG CREW & WIRELINE CREW.
	23:30 0:00	0.50		57				RUN #1 FOR WIRELINE. ESTIMATED FLUID TOP APPEARS TO BE 350' BELOW RIG FLOOR.
	0:00 1:00	1.00		57				RUN #2 FOR WIRELINE. ESTIMATED FLUID TOP APPEARS TO BE 350' BELOW RIG FLOOR. NO INDICATIONS OF PRESSURE AT THIS TIME.
	1:00 1:15	0.25		57				RIG OUT WIRELINE TRUCK.
	1:15 2:00	0.75		57				RIG UP SAVER SUB ON TOP DRIVE & SAFETY CLAMP, GRABBER GUIDE, SAFETY CHAIN.
	2:00 6:00	4.00		57				TRIP OUT OF HOLE FROM 4963 FT.
9/17/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING. (TRIPPING IN HOLE)
	6:15 6:30	0.25		58				POOH RACK BACK HWDP AND COLLARS
	6:30 7:30	1.00		58				STRUCK FOOT PAD @ STABBING BROAD W/ TOP DRIVE. TIE FOOT PAD BACK UP TO STABBING BOARD.
	7:30 9:15	1.75		58				RACK BACK COLLAR & WASH PIPE
	9:15 14:00	4.75		60				WELD HINGE ON FOOT PAD IN STABBING BOARD AND ADD 2 TURNBUCKLES FOR TORQUE TUBE SUPPORT
	14:00 14:15	0.25		58				RIG SERVICE, FUNCTION BLIND RAMS.
	14:15 15:45	1.50		58				CLEAN & SCRUB RIG WAIT FOR PUMP OUT SUB.
	15:45 18:00	2.25		58				MAKE UP SCREW IN SUB, PUMP OUT SUB, BUMPER SUB, DRILLING JARS, 6 DC, 9 HWDP, INTENSIFIER, 9 HWDP, RIH W/ DP.
	18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING. (TRIPPING IN HOLE)
	18:15 21:15	3.00		58				TRIP IN HOLE F/ 975' - 6848'.
	21:15 21:45	0.50		58				CIRCULATE OVER FISH @ 35 SPM, W/ 1 PUMP.
	21:45 22:00	0.25		58				SCREW INTO FISH.
	22:00 22:30	0.50		58				BREAK OFF DOUBLE PIN ON TOP DRIVE, GUIDE ON GRABBER FOR WIRELINE HEAD.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	22:30 22:45	0.25		58				HELD SAFETY MEETING W/ RIG CREW & WIRE LINE CREW.
	22:45 0:00	1.25		58				RIG UP WIRELINE TRUCK AND RUN SPUD TOOL ON END OF WIRELINE.
	0:00 0:30	0.50		58				RUN WIRELINE WITH SPUD TOOL TO 7566'. COULD NOT GET PAST THIS POINT.
	0:30 1:30	1.00		58				CHANGE OUT WIRELINE TOOL FROM SPUD TO FREE POINT.
	1:30 3:15	1.75		58				CHANGE OUT WIRELINE TOOL. FROM FREE POINT TO STRING SHOT. BACK OFF @ 6710'.
	3:15 3:45	0.50		58				RIG OUT WIRELINE TRUCK.
	3:45 4:15	0.50		58				MAKE UP DOUBLE PIN, GRABBER GUIDE & SAFETY CHAIN ON TOP DRIVE.
	4:15 5:00	0.75		58				PUMP AND SPOT HIGH VISCOSITY SLUG AND WORK PIPE. STARTED GETTING MUD RETURNS WHILE PUMPING.
	5:00 6:00	1.00		58				FLOW CHECK. PULL 5 STANDS. TRIP OUT.
9/18/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING. (TRIPPING OUT OF HOLE)
	6:15 11:45	5.50		58				POOH, F/ 3212' TO SURFACE. FLOW CHECK 3855', 688', SURFACE. NO FLOW.
	11:45 12:15	0.50		58				CLEAN FLOOR AND PICK UP WASH PIPE TOOLS.
	12:15 15:00	2.75		58				RIH, LAY OUT 2 JTS OF WASH PIPE, THREAD DAMAGE FROM BREAKING APART.
	15:00 18:00	3.00		58				RIH, W/ WASHOVER STRING F/ 550' - 2462'
	18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING (SLIP AND CUT DRILLING LINE)
	18:15 20:15	2.00		58				RIH W/ WASHOVER STRING F/ 2462' - 4977'.
	20:15 21:15	1.00		58				SLIP AND CUT 60 FT OF DRILLING LINE.
	21:15 21:30	0.25		58				RIG SERVICE. GREASE TOP DRIVE, DRAWWORKS, SWIVEL, BLOCKS.
	21:30 23:30	2.00		58				RIH W/ WASH PIPE F/ 4977' TO 6655'.
	23:30 0:00	0.50		58				WASH OVER OPERATIONS. CIRCULATING DOWN FROM 6655' TO 6710' (TOP OF FISH). RIG CREW HAVING EXTREME TROUBLE WITH KEEPING MUD PUMPING AND CIRCULATING.
	0:00 4:00	4.00		58				WASH OVER OPERATIONS, WASH FROM 6710' - 6750'. RIG CREW HAVING EXTREME TROUBLE KEEPING MUD PUMPING AND CIRCULATING. CREW CHANGED TO BLACK RUBBER VALVE RUBBERS.
	4:00 6:00	2.00		58				WASH OVER OPERATIONS. WASH OVER FISH FROM 6750' TO 6906'. PUMPS APPEAR TO BE HANDLING LCM WITH GREATER TOLERANCE.
9/19/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING. (TRIPPING OUT OF HOLE)
	6:15 8:00	1.75		58				TAG TOP OF FISH @ 6911', CIRC BOTTOMS UP, SPOT HIGH 80 VIS W/ 20% LCM AROUND FISH & 200 FT ABOVE FISH.
	8:00 14:45	6.75		58				POOH 5 ATANDS FLOW CHECK, PUMP SLUG. FLOW CHECK @ 6465' 3979', 1000', SURFACE. MILL SHOE SOME WEAR & CRACKED.
	14:45 18:00	3.25		58				MAKE UP SCREW IN SUB, PUMP OUT SUB, BUMPER SUB, JARS, 6 DC, 9 HWDP, INTENSIFIER 9 HWDP. RIH. W/ DP
	18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING. DRIVE TO AND FROM RIG.
	18:15 20:00	1.75		58				TRIP IN HOLE WITH SCREW IN SUB F/ 3772' - 6710'.
	20:00 20:15	0.25		58				CIRCULATE OVER FISH. SCREW IN TO FISH AT 6710'.
	20:15 21:00	0.75		58				BREAK OUT DOUBLE PIN & GRABBER GUIDE, SAFETY CHAIN ON TOP DRIVE.
	21:00 21:45	0.75		58				RIG UP WIRELINE TRUCK.
	21:45 22:00	0.25		58				SAFETY MEETING W/ RIG CREW AND WIRELINE CREW.
	22:00 22:45	0.75		58				RUN WIRELINE SPUD TOOL. RAN TOOL THROUGH JARS AT 7566' TO 8438'..

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	22:45 0:00	1.25		58				RIG OUT SPUD TOOL, RIG UP FREE POINT TOOL WITH WIRELINE. RUN IN HOLE.
	0:00 0:45	0.75		58				RUN FREE POINT WITH WIRELINE. FREE POINT DETERMINED TO BE 6910'.
	0:45 1:00	0.25		58				SAFETY MEETING PRIOR TO RUNNING STRING SHOT FOR BACK OFF.
	1:00 1:45	0.75		58				RIG OUT FREE POINT TOOL TO STRING SHOT TOOL, AND BACK OFF AT 6900'.
	1:45 2:15	0.50		58				RIG OUT WIRELINE TRUCK.
	2:15 3:00	0.75		58				MAKE UP DOUBLE PIN, GRABBER GUIDE & SAFETY CHAIN ON TOP DRIVE.
	3:00 3:45	0.75		58				SPOT 30 BBL HIGH VIS SWEEP OVER FISH & WORK PIPE.
	3:45 6:00	2.25		58				TRIP OUT OF HOLE W/ RECOVERED DRILL PIPE F/ 6660 - 4000'. FLOW CHECK AT 6663', 6227'. PUMP PILL AT 6133'.
9/20/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING. (TRIPPING OUT OF HOLE)
	6:15 9:30	3.25		58				POOH, F/ 3151 TO SURFACE. LAY OUT 6 JTS DP
	9:30 10:15	0.75		58				CLEAN RIG FLOOR, INSPECT DERRICK.
	10:15 13:00	2.75		58				MAKE UP 300 FT OF MILL SHOE AND WASH PIPE. BUMPER SUB, JARS, DC, HWDP, INTENSIFIER, HWDP.
	13:00 16:15	3.25		58				TRIP IN HOLE F/ 975' - 4720'
	16:15 17:00	0.75		67				REPOSITION SAFETY CLAMP ON KELLY HOSE.
	17:00 18:00	1.00		58				TRIP IN HOLE F/ 4720' - 5941'.
	18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING.
	18:15 18:45	0.50		58				TRIP IN HOLE F/ 5941' - 6784'.
	18:45 21:00	2.25		58				CIRCULATE & WASH DOWN TO FISH, F/ 6784' - 6900. WORK ON PUMPS.
	21:00 0:00	3.00		58				WASH OVER FISH F/ 6900' - 7211'.
	0:00 0:15	0.25		58				WASH OVER FISH F/ 7211' - 7215'.
	0:15 1:00	0.75		58				SPOT 33 BBL OF 80 VIS / 12.5 LB/GAL MUD ALONGSIDE FISH AND 200 FT ABOVE IT.
	1:00 3:00	2.00		58				TRIP OUT OF HOLE F/ 7215' - 3609' FLOW CHECK AT 6688', 5007', 3609'
	3:00 3:15	0.25		58				RIG SERVICE. GREASE BLOCKS, TOP DRIVE, DRAWWORKS, SWIVEL. FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS.
	3:15 6:00	2.75		58				TRIP OUT OF HOLE F/ 3609' - 315'. HANDLE WASHPIPE. FLOW CHECK AT 1188'.
9/21/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING. (TRIPPING IN HOLE)
	6:15 8:00	1.75		58				POOH F/ 315' TO SURFACE
	8:00 8:30	0.50		58				MIX PILL
	8:30 10:30	2.00		58				MAKE UP SCREW IN SUB, BUMPER SUB, JARS.
	10:30 14:30	4.00		58				RIH W/ 6 DC, 9 HWDP, INTENSIFIER, 9 WHDP, RIH W/ DP,
	14:30 15:00	0.50		58				CIRC & SCREW INTO FISH
	15:00 15:15	0.25		58				SAFETY MEETING W/ WIRELINE CO, FISHING CO,
	15:15 18:00	2.75		58				RIG IN WIRELINE UNIT. RIH W/ SPUD BAR. TAG BRIDGES @ 7300' 7330' 7565' (PUSHING SOME THING DOWN HOLE
	18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING (RIG SERVICE)
	18:15 22:00	3.75		58				CHANGE SPUD TOOL TO FREE POINT TOOL. RUN FREE POINT AT 7055'. BACK OFF FISH AT 7055'. PLAN TO RECOVER 5 MORE SINGLES. 16 JTS DRILL PIPE STILL PART OF FISH.
	22:00 23:00	1.00		58				RIG OUT WIRELINE TRUCK. RIG OUT WIRELINE EQUIPMENT. REINSTALL DOUBLE PIN, TOP DRIVE GUIDE & SAFETY CHAIN.
	23:00 0:00	1.00		58				CIRCULATE BOTTOMS UP AND WORK PIPE.
	0:00 1:30	1.50		58				CIRCULATE. SPOT HIGH VISCOSITY PILL OVER FISH.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
9/22/2010	1:30 4:00	2.50		58				TRIP OUT OF HOLE W/ FISH F/7055' - 3465'. FLOW CHECK @ 6447', 3465'. PULL ROTATING RUBBER @ 6447'.
	4:00 4:15	0.25		58				RIG SERVICE. FUNCTION ANNULAR. CLOSE/ OPEN - 18 SECONDS.
	4:15 6:00	1.75		58				TRIP OUT OF HOLE F/ 3465' - 950'.
	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING, ( TRIPPING OUT OF HOLE)
	6:15 7:45	1.50		58				POOH 970' TO SURFACE. RECOVER 5 SINGLES
	7:45 9:00	1.25		58				CLEAN UP RIG FLOOR & BOP. WAIT ON TESTER
	9:00 9:15	0.25		58				PICK UP TOOLS FOR TESTER
	9:15 9:30	0.25		58				HELD SAFETY MEETING W/ TESTER
	9:30 15:00	5.50		58				PRESS TEST LOWER, UPPER PIPES, BLINDS GATE, CHOKE, TWI & DARTVALVE MANUAL, HCR,, VALVE ON TOP DRIVE 250 PSI LOW & 5000 PSI HIGH. PRESS TEST MANIFOLD & CHOKES TO 250 PSI LOW, 5000 PSI HIGH.
	15:00 18:00	3.00		58				ANNULAR NOT TESTING, PULL ANNULAR APART.
	18:00 18:15	0.25		58				CREW CHANGE. SAFETY MEETING ON NIPPLE DOWN BOP.
	18:15 22:30	4.25		58				SCREW OUT ANNULAR CAP. PULL OUT OLD ELEMENT RUBBER & CLEAN.
	22:30 0:00	1.50		58				WAIT ON ELEMENT COMING FROM CASPER WYO.
0:00 2:00	2.00		58				ELEMENT SHOWED UP AT MIDNIGHT. WEATHERFORD SHIPPED THE WRONG ELEMENT. SHIPPED A SHAFFER. CALLED JOHNNY WITH WEATHERFORD THEY FOUND A HIGH DRILL ELEMENT FROM M&M SALES FROM CASPER WYO (PHIL 1-307-259-8445). HOT SHOT LEAVED CASPER AT 2:00 A.M.	
2:00 6:00	4.00		58				WAIT ON HIGH DRILL ELEMENT. DRILLING CREW CLEANING RIG.	
9/23/2010	6:00 12:30	6.50		54				WAIT ON ELEMENT FOR HYDRIL.
	12:30 17:30	5.00		54				INSTALL HYDRIL ELEMENT WITH NEW "O" RINGS, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE.
	17:30 17:45	0.25		58				PRE JOB SAFETY MEETING WITH WEATHERFORD
	17:45 18:00	0.25		54				INSTALL TEST PLUG
	18:00 18:15	0.25		67				CREW CHANGE SAFETY MEETING ON TESTING BOPS.
	18:15 19:00	0.75		54				TEST ANNULAR 250 PSI LOW 4000 PSI FOR 10 MIN.
	19:00 19:30	0.50		54				ACCUMULATOR FUNCTION TEST.
	19:30 20:00	0.50		54				FLUSH HCR LINE & MANIFOLD LINES.
	20:00 20:15	0.25		54				PULL TEST PLUG.
	20:15 22:30	2.25		54				TIGHTEN UP ROTATING HEAD & FLOW BOLTS.
	22:30 22:45	0.25		54				INSTALL NEW WEAR BUSHING.
	22:45 23:00	0.25		67				SAFETY MEETING ON TRIPPING IN HOLE & WASHING OVER WITH WASH OVER PIPE.
	23:00 4:45	5.75		58				MAKE UP WASH SHOE & WASH OVER PIPE & RUN IN HOLE TO 4934'.
4:45 5:00	0.25		67				RIG SERVICE. FLOW CHECK.	
5:00 6:00	1.00		58				TIH F/ 4934'.	
9/24/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING
	6:15 9:15	3.00		58				TRIP IN HOLE TO TOP OF FISH @ 7055'
	9:15 9:45	0.50		58				WASH OVER FISH FROM 7055'-7384'
	9:45 11:00	1.25		58				CIRCULATE BOTTOMS UP WORKING PIPE CONTINUOUSLY.
	11:00 11:15	0.25		58				SHORT TRIP TO TOP OF FISH
	11:15 12:30	1.25		58				REAM BACK TO BOTTOM WASHING OVER FISH
	12:30 13:30	1.00		58				CIRCULATE BOTTOMS UP
	13:30 13:45	0.25		58				SHORT TRIP TO TOP OF FISH
	13:45 15:00	1.25		58				REAM BACK TO BOTTOM WASHING OVER FISH
15:00 15:45	0.75		58				CIRCULATE BOTTOMS UP	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	15:45 16:15	0.50		58				SPOT 37 BBL. LCM PILL (500' OF OPEN HOLE)
	16:15 18:00	1.75		58				TRIP OUT OF HOLE FLOW CHECK AT 6822'
	18:00 18:15	0.25		67				CREW CHANGE SAFETY MEETING ON INSPECTION OF SLIPS.
	18:15 18:30	0.25		58				TOOH F/ 4274' TO 4182'.
	18:30 18:45	0.25		67				RIG SERVICE. FUNCTION ANNULAR 18 SEC.
	18:45 23:00	4.25		58				TOOH F/ 4182' TO 0'.
	23:00 3:45	4.75		58				MAKE UP SCREW IN SUB & FISHING TOOLS. RIH TO 7055'.
	3:45 4:00	0.25		58				SCREW INTO FISH @ 7055'.
	4:00 4:30	0.50		58				RIG UP WIRE LINE TRUCK.
	4:30 4:45	0.25		58				BRAKE OUT DOUBLE PIN TOP DRIVE & GUIDE ON GRABBER & SAFETY CHAIN.
	4:45 5:00	0.25		58				HELD SAFETY MEETING W/ RIG CREW & WIRE LINE CREW.
	5:00 6:00	1.00		58				RU SPUD TOOL & RUN.
9/25/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING (TRIPPING OUT OF THE HOLE)
	6:15 7:30	1.25		58				TRIP IN HOLE WITH SPUD TOOL ON WIRELINE (CASED HOLE SOLUTIONS) SLOW GOING TO BOTTOM, THICK MUD. REACHED TD OF 8437' WITH SPUD BAR, PULLED UP TO 7000' AND RAN BACK TO BOTTOM. A COUPLE OF SPOTS TRIED TO FLOAT BUT WENT BACK TO BOTTOM . PULL OUT OF HOLE WITH SPUD BAR TO RUN FREE POINT.
	7:30 10:00	2.50		58				MAKE UP FREE POINT TOOL AND TRIP IN HOLE. FREE POINT. AT 7352 (10 JOINTS) 50% FREE ON STRETCH AND 80% FREE ON TORQUE. AT 7334' (9 JOINTS) 48% FREE ON STRETCH AND 75% FREE ON TORQUE. POH TO PICK UP BACK OFF.
	10:00 11:45	1.75		58				MAKE UP TOOLS AND RUN IN HOLE. 4/1/2 ROUNDS OF LEFT HAND TORQUE. BACKED OFF AT 7364'. RAISE WIRELINE ABOVE BREAK, BACK OUT, (2 MORE ROUNDS) PICK UP, NO DRAG.
	11:45 13:00	1.25		58				RIG OUT FREE POINT. INSTALL SAVER SUB AND BACKUP CLAMP ON TOP DRIVE
	13:00 14:00	1.00		58				CIRCULATE BOTTOMS UP.
	14:00 18:00	4.00		58				TRIP OUT OF HOLE
	18:00 18:15	0.25		58				CREW CHANGE SAFETY MEETING ON INSTALLING ROTATING HEAD.
	18:15 20:15	2.00		58				TOOH. LD 10 JOINTS OF DRILL PIPE FISHED OUT OF HOLE. NEW TOP OF FISH @ 7365.77'. TAGGED BIT @ 8438' W/ SPUD BAR. 6 JTS OF DP STILL IN HOLE W/ BHA #11
	20:15 20:30	0.25		58				SAFETY MEETING ON HANDLING WASH OVER PIPE.
	20:30 1:00	4.50		58				PU & MAKE UP WASH OVER SHOE & WASH OVER PIPE. TIH TO 5025'.
	1:00 1:15	0.25		58				RIG SERVICE. FUNCTION ANNULAR 18 SECONDS.
	1:15 2:30	1.25		58				TIH F/ 5025' TO 7086'.
	2:30 4:00	1.50		58				CIRCULATE & WASH DOWN F/ 7086' TO 7365' TO TOP OF FISH.
	4:00 6:00	2.00		58				WASH OVER FISH F/ 7365' TO 7595'.
9/26/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING (TRIPPING OUT OF THE HOLE)
	6:15 6:45	0.50		58				WASH OVER FISH FROM 7595'-7695'.
	6:45 7:45	1.00		58				CIRCULATE BOTTOMS UP WITH BOTH PUMPS ON THE HOLE (93 SPM EACH PUMP-453 GPM)
	7:45 9:00	1.25		58				SHORT TRIP TO TOP OF FISH AND WASH AND REAM BACK OVER FISH TO 7695'. BOTH PUMPS ON THE HOLE AT 93 SPM EACH.-453 GPM)
	9:00 10:00	1.00		58				WORK PIPE AND CIRCULATE BOTTOMS UP
	10:00 10:15	0.25		58				SPOT HIGH VISCOSITY PILL WITH 25% LCM (500' OF OPEN HOLE)

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	10:15 12:30	2.25		58				TRIP OUT OF THE HOLE TO 7145, FLOW CHECK, SPOT TRIP PILL.
	12:30 12:45	0.25		58				RIG SERVICE, FUNCTION ANNULAR 18 SECONDS, FUNCTION UPPER / LOWER 3/3
	12:45 15:15	2.50		58				TRIP OUT OF HOLE
	15:15 15:30	0.25		58				PRE JOB SAFETY MEETING ON PULLING BHA
	15:30 16:30	1.00		58				STAND BACK WASH PIPE AND LAY DOWN TOOLS
	16:30 18:00	1.50		58				PRE JOB SAFETY MEETING, MAKE UP TOOLS AND TIH WITH SCREW IN SUB.
	18:00 18:15	0.25		58				CREW CHANGE SAFETY MEETING ON USE OF TONGS.
	18:15 21:30	3.25		58				RUN IN HOLE W/ SCREW IN SUB TO 7350'.
	21:30 22:00	0.50		58				SCREW INTO FISH @ 7365'.
	22:00 22:15	0.25		58				TAKE OFF SAFETY CLAMP & BRAKE OFF DOUBLE PIN ON TOP DRIVE.
	22:15 22:45	0.50		58				RIG UP WIRE LINE TRUCK.
	22:45 23:00	0.25		58				SAFETY MEETING W/ RIG CREW & WIRE LINE CREW.
	23:00 0:00	1.00		58				RIG UP SPUD TOOL & RUN TO 8438'.
	0:00 0:15	0.25		58				RIG OUT SPUD TOOL.
	0:15 2:00	1.75		58				RIG UP FREE POINT TOOL RIH TO 7555'. WOULD GO THROUGH JARS. LD FREE POINT TOOL.
	2:00 3:15	1.25		58				RE-RUN SPUD TOOL TO 8438'. WORK TOOL @ 7555' TILL FREE.
	3:15 5:00	1.75		58				RE-RUN FREE POINT TOOL. 7660' 80% STRETCH 50% TORQUE. WILL RECOVER 6 JOINTS DRILL PIPE, SMITH JARS & 3 JOINTS OF HWDP.
	5:00 5:15	0.25		58				SAFETY MEETING ON STRING SHOT TOOL.
	5:15 6:00	0.75		58				RIG UP STRING SHOT TOOL.
9/27/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING (TRIPPING OUT OF THE HOLE)
	6:15 6:30	0.25		58				RUN BACK OFF TOOL IN HOLE. ATTEMPT TO BACK OFF AT 7674' (400 GRAIN) UNSUCCESSFUL. PULL TOOL OUT OF HOLE
	6:30 8:30	2.00		58				MAKE UP FREE POINT AND RUN IN HOLE. 7620' 58% FREE STRETCH, 70% FREE TORQUE
	8:30 9:15	0.75		58				MAKE UP BACK OFF TOOL AND RUN IN HOLE TO 7612'. BACK UP AT 7612'. (6 JOINTS OF 4-1/2" DRILL PIPE, HYDRAULIC JARS, AND 1 JOINT OF 4-1/2" HWDP.)
	9:15 10:15	1.00		58				RIG OUT CASED HOLE SOLUTIONS, INSTALL SAVER SUB ON TOP DRIVE.
	10:15 11:30	1.25		58				CIRCULATE BOTTOMS UP, SPOT 37 BBL. HIGH VISCOSITY (100 VICOSITY) LCM (25%) PILL
	11:30 13:45	2.25		58				TRIP OUT OF HOLE
	13:45 14:15	0.50		58				SERVICE RIG,FUNCTION HCR 3 SECONDS, UPPER PIPE 3 SECONDS, LOWER PIPE 3 SECONDS, AND ANNULAR 18 SECONDS
	14:15 18:00	3.75		58				TRIP OUT OF HOLE, LAY DOWN FISHING TOOLS.
	18:00 18:15	0.25		58				CREW CHANGE SAFETY MEETING ON USE OF PIPE SPINNERS.
	18:15 19:00	0.75		58				LAY DOWN FISH. (6 JOINTS DRILL PIPE, SMITH JARS, 1 JOINT HWDP). TOP OF FISH @ 7612', BIT @ 8438' & HOLE TD IS 8742' KB.
	19:00 19:15	0.25		58				SAFETY MEETING ON HANDLING BHA.
	19:15 23:00	3.75		58				MU & TIH TO WASH & REAM TO FISH @ 7612'. TIH TO 4954'. (BIT SMITH MILL TOOTH FDS+ SN: PS 1259, BIT SUB SN: 07PP743, 6 JTS - 6 1/2" DRILL COLLARS, COAGAR 6 1/2" JARS SN: FX 650 . 144, 18 JTS - 4 1/2" HWDP & 4 1/2" DP 73 STANDS PLUS DOUBLE MINUS 13.74' STICK UP = 7612').
	23:00 23:15	0.25		58				SAFETY MEETING ON SLIP & CUTTING DRILL LINE.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
9/28/2010	23:15 23:45	0.50		58				SLIP & CUT 54' OF DRILL LINE.
	23:45 0:00	0.25		58				SERVICE RIG. FUNCTION HCR 3 SEC.
	0:00 1:15	1.25		58				FINISH TIH F/ 4954' TO 6793'.
	1:15 5:00	3.75		58				WASH & REAM F/ 6793' TO 7592'. BRING LCM UP TO 20%.
	5:00 6:00	1.00		58				CIRCULATE BRING LCM UP TO 20% AND A 50 VIS.
	6:00 6:15	0.25		58				PRE JOB SAFETY MEETING (TRIPPING OUT OF HOLE)
	6:15 10:00	3.75		58				CIRCULATE AND CONDITION MUD, RAISING LCM TO 20%.
	10:00 10:15	0.25		58				PUMP 100 VISCOSITY 25% LCM PILL AND SPOT.
	10:15 15:00	4.75		58				TRIP OUT OF HOLE
	15:00 16:00	1.00		58				SERVICE TOP DRIVE
	16:00 18:00	2.00		58				PICK UP 8-1/8" WASHOVER PIPE. (7 JOINTS 224.31')
	18:00 18:15	0.25		58				CREW CHANGE SAFETY MEETING ON LOCK OUT.
	18:15 19:45	1.50		58				MAKE UP WASH OVER PIPE. 331.70' WASH OVER PIPE, 1.53' TOP SUB BUSHING, 8.92' BUMPER SUB, 2.23' XO, 31.47' DRILLING JARS, 175.41' 6 - DRILL COLLARS, 552.62' 18 - HWDP, 1.89' XO, 8.91' INTENSIFIER, 2.27' XO, DP.
	19:45 23:00	3.25		58				TIH F/ 1116' TO 4936'.
23:00 23:15	0.25		58				FLOW CHECK. RIG SERVICE.	
23:15 1:00	1.75		58				TIH F/ 4936' TO 7425'.	
1:00 2:00	1.00		58				CIRCULATE & WASH F/ 7425' TO 7612'.	
2:00 6:00	4.00		58				WASH OVER FISH F/ 7612' TO 7880'.	
9/29/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING
	6:15 7:30	1.25		58				WASH OVER FISH FROM 7880'-7943'
	7:30 8:30	1.00		58				WORK PIPE AND CIRCULATE BOTTOMS UP. PUMP RATE 487 GPM.
	8:30 10:00	1.50		58				SHORT TRIP TO TOP OF FISH AND WASH AND REAM BACK TO 7942'. PUMP RATE 487 GPM.
	10:00 11:15	1.25		58				CIRCULATE BOTTOMS UP, WORKING PIPE CONSTANTLY. PUMP 37 BBL. HIGH VISCOSITY LCM PILL AND SPOT (100 VISCOSITY, 25% LCM)
	11:15 17:15	6.00		58				TRIP OUT OF HOLE
	17:15 17:30	0.25		58				RIG SERVICE, FUNCTION BLIND RAMS 3 SECONDS, UPPER PIPE RAMS 3 SECONDS, LOWER PIPE RAMS 3 SECONDS, HCR VALVE 3 SECONDS.
	17:30 18:00	0.50		58				PICK UP SCREW IN SUB AND TOOLS,
	18:00 18:15	0.25		58				CREW CHANGE SAFETY MEETING ON DRIVING TO WORK.
	18:15 19:15	1.00		58				MAKE UP SCREW IN SUB AND BHA. SCREW IN BHA; 5.04' - 4 1/2" SCREW IN SUB, 1.98' PUMP OUT SUB, 8.98' 6" BUMPER SUB, 2.23' XO, 31.47' 6" DRILLING JARS, 175.41' 6 - 6" DRILL COLLARS, 552.62' 18 - HWDP, 1.89' XO, 8.91' 6" INTENSIFIER, 2.27' XO, DP. TOP OFF FISH @ 7612'. WASHED OVER TO 7943'.
	19:15 21:30	2.25		58				TIH F/ 790' TO 4985'.
	21:30 21:45	0.25		58				RIG SERVICE. FUNCTION ANNULAR.
	21:45 23:30	1.75		58				TIH F/ 4985' TO 7612'.
	23:30 23:45	0.25		58				SCREW INTO FISH.
	23:45 0:00	0.25		58				BRAKE OUT DOUBLE PIN & SAFETY CLAMP & GUIDE GRABBER ON TOP DRIVE.
	0:00 2:00	2.00		58				RIG UP WIRE LINE TRUCK RUN IN HOLE W/ SPUD TOOL TO 8438'.
	2:00 2:15	0.25		58				RD SPUD TOOL.
2:15 3:45	1.50		58				RIG UP FREE POINT TOOL. RUN IN HOLE TO 7760'. COULDN'T GO ANY DEEPER. POOH W/ FREE POINT TOOL.	
3:45 4:00	0.25		58				RD FREE POINT TOOL.	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	4:00 5:30	1.50		58				RU SPUD TOOL. RIH HOLE TO 7760'. WORKING & SPUDING FROM 7760' TO 8400'.
	5:30 6:00	0.50		58				RD SPUD TOOL. RU FREE POINT TOOL. RIH W/ FREE POINT TOOL.
9/30/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING
	6:15 8:15	2.00		58				RUN FREEPOINT. 100% FREE ON STRETCH, 50% FREE ON TORQUE AT 7796'. PULL OUT OF HOLE WITH FREE POINT TOOL.
	8:15 10:00	1.75		58				PRE JOB SAFETY MEETING WITH CASED HOLE SOLUTIONS, AES, GRACO, AND PRECISION RIG CREWS. RUN IN HOLE WITH BACK OFF TOOL. BACKED OFF AT 7796'. PULL TOOL OUT OF HOLE.
	10:00 10:45	0.75		58				INSTALL SAVER SUB AND GUIDE ON TOP DRIVE.
	10:45 11:30	0.75		58				CIRCULATE BOTTOMS UP WITH BOTH PUMPS ON THE HOLE (487 GPM) LAY DOWN CHS WIRELINE SHEAVE, PUMP HIGH VISCOSITY LCM PILL (37 BBLS, 100 VISCOSITY, AND 25% LCM)
	11:30 12:00	0.50		58				TRIP OUT OF HOLE WITH FISH (5 HWDP AND 1-6-1/2" DRILL COLLAR) FLOW CHECK AT 7058'
	12:00 12:30	0.50		58				RIG SERVICE. GREASE BLOCKS, TOP DRIVE, AND DRAWWORKS. PUMP TRIP PILL.
	12:30 14:15	1.75		58				TRIP OUT OF HOLE. FLOW CHECK
	14:15 15:00	0.75		60				CHANGE BOLTS IN TORQUE TUBE.
	15:00 18:00	3.00		58				TRIP OUT OF HOLE, LAY DOWN JARS
	18:00 18:15	0.25		58				CREW CHANGE SAFETY MEETING ON TRIPPING IN THE HOLE.
	18:15 18:30	0.25		58				LD FISH 5 HWDP & 1 DC.
	18:30 18:45	0.25		58				SAFETY MEETING ON GRACO FISHING TOOLS.
	18:45 2:15	7.50		58				PU WASH OVER BHA & TIH TO 7796'. W/ WASH OVER BHA (332.81' WASH OVER PIPE, 1.53' TOP SUB BUSHING, 8.92' BUMPER SUB, 2.23' XO, 31.47' DRILLING JARS, 175.41' 6 - DRILL COLLARS, 552.62' 18 - HWDP, 1.89' XO, 8.91' INTENSIFIER, 2.27' XO, DP).
	2:15 6:00	3.75		58				WASH OVER FISH F/ 7796/ TO 7950' KB.
10/1/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING (INCIDENT REVIEWS FROM OTHER PRECISION RIGS)
	6:15 6:30	0.25		58				TRY TO WORK PAST JUNK FROM PREVIOUS WASH OVER SHOE
	6:30 7:15	0.75		58				CIRCULATE BOTTOMS UP WITH 2 PUMPS (487 GPL) WORKING PIPE CONSTANTLY.
	7:15 8:00	0.75		58				SHORT TRIP TO TOP OF FISH (7796') DID NOT PULL OFF OF FISH. NO DRAG, WASH AND REAM BACK TO BOTTOM WITH BOTH PUMPS, 487 GPM.
	8:00 9:00	1.00		58				CIRCULATE BOTTOMS UP. SPOT HIGH VISCOSITY (100 VISC.) LCM (25%) PILL.
	9:00 15:00	6.00		58				TRIP OUT OF HOLE 6 STANDS, PUMP TRIP PILL, TRIP OUT OF HOLE. FLOW CHECKS AT 7443,4225,1201, AND SURFACE.
	15:00 15:45	0.75		58				CLEAN RIG FLOOR, CHANGE OUT MAKE UP AND BREAK OUT LINES.
	15:45 18:00	2.25		58				MAKE UP FLAT BOTTOM WASHOVER SHOE AND TRIP IN HOLE.
	18:00 18:15	0.25		58				CREW CHANGE SAFETY MEETING.
	18:15 23:00	4.75		58				TIH TO FISH @ 7796'. W/ WASH OVER BHA. 333.57' WASH OVER PIPE W/FLATBOTTOM MILL SHOE, 1.53' TOP SUB BUSHING, 8.92' BUMPER SUB, 2.23' XO, 31.47' DRILLING JARS, 175.41' 6 - DRILL COLLARS, 552.62' 18 - HWDP, 1.89' XO, 8.91' INTENSIFIER, 2.27' XO, DP.
	23:00 6:00	7.00		58				WASH OVER FISH F/ 7790' TO 8128'.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
10/2/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING (WEEKEND AWARENESS)
	6:15 6:30	0.25		58				WASH OVER FISH
	6:30 7:15	0.75		58				CIRCULATE BOTTOMS UP WITH BOTH PUMPS ON HOLE (487 GPM)
	7:15 7:45	0.50		58				SHORT TRIP TO TOP OF FISH (7796') AND WASH AND REAM BACK TO BOTTOM WITH BOTH PUMPS (487 GPM)
	7:45 8:45	1.00		58				CIRCULATE BOTTOMS UP WITH BOTH PUMPS (487 GPM) SPOT HIGH VISCOSITY (100 VISC.) LCM (25%)
	8:45 11:15	2.50		58				TRIP OUT OF HOLE TO 4401, FLOW CHECKS @ 7569 AND 4401.
	11:15 11:30	0.25		58				BOP DRILL, WELL SECURE AND CREW IN POSITION, 90 SECONDS
	11:30 15:15	3.75		58				TRIP OUT OF HOLE, FLOW CHECK @ 1234', SURFACE.
	15:15 18:00	2.75		58				MAKE UP BHA (SCREW IN SUB) AND TRIP IN HOLE
	18:00 18:15	0.25		58				CREW CHANGE SAFETY MEETING ON TRIPPING IN THE HOLE.
	18:15 20:00	1.75		58				TIH F/ 4514' TO 7796' TOP OF FISH.
	20:00 21:15	1.25		58				RU WIRE LINE TRUCK.
	21:15 22:45	1.50		58				RIH W/ SPUD BAR TOOL TO 8436'.
	22:45 1:30	2.75		58				RU FREE POINT TOOL. TOP OF FISH @ 7796' 100% FREE @ 7820', WASH OVER W/ WASH OVER PIPE TO 8128' 100% FREE @ 8120', 100% FREE @ 8190', 75 % FREE @ 8220', 75% FREE @ 8250' & 0% FREE @ 8290'.
	1:30 2:00	0.50		58				RD WIRE LINE TRUCK.
2:00 6:00	4.00		58				JARING ON FISH DOWN. BOTH JARS WORKING (FISHING TOOL JARS & JARS IN FISH).	
10/3/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING (WEEKEND AWARENESS)
	6:15 9:30	3.25		58				JARRING DOWN ON FISH. BOTTOM SET OF JARS QUIT FIRING
	9:30 10:30	1.00		58				RIG UP FREE POINT SWIVEL, BREAK OFF SAVER SUB, REMOVE GUIDE ON TOP DRIVE.
	10:30 12:30	2.00		58				RUN FREE POINT TOOL. SET UP AT 7620.(50%=100% STRETCH, 22%=100% TORQUE) AT 8215'-12% STRETCH,-8120- 40%, 8060-40% STRETCH -0% TORQUE, 8010'-25% STRETCH, 7900' 0%, 7805'-55% STRETCH AND 60% TORQUE.
	12:30 13:30	1.00		58				PRE JOB SAFETY MEETING, RUN IN HOLE WITH BACK OFF TOOL AND BACK OFF AT 7796'. (NO RECOVERY)
	13:30 14:15	0.75		58				RIG OUT FREE POINT SWIVEL, INSTALL SAVER SUB, CLAMP AND GUIDE ON TOP DRIVE
	14:15 14:45	0.50		58				UNABLE TO PRIME BOTH PUMPS.
	14:45 15:30	0.75		58				CIRCULATE BOTTOMS UP AT 487 GPM.
	15:30 18:00	2.50		58				TRIP OUT OF HOLE
	18:00 18:15	0.25		58				CREW CHANGE AND SAFETY MEETING ON TRIPPING OUT OF HOLE.
	18:15 19:30	1.25		58				TOOH F/ 1345' TO 0'. LD SCREW IN BHA. FLOW CHECK @ 889'.
	19:30 2:00	6.50		58				TIH W/ WASH OVER BHA. 366.97' WASH OVER PIPE W/FLATBOTTOM MILL SHOE, 1.53' TOP SUB BUSHING, 8.92' BUMPER SUB, 2.23' XO, 31.47' DRILLING JARS, 175.41' 6 - DRILL COLLARS, 552.62' 18 - HWDP, 1.89' XO, 8.91' INTENSIFIER, 2.27' XO & DP TO TOP OF FISH @ 7796'.
2:00 6:00	4.00		58				WASH & MILL OVER FISH F/ 7796' TO 7948'.	
10/4/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING (WEEKEND AWARENESS)
	6:15 7:30	1.25		58				WASH OVER FROM 7948'-8163'
	7:30 8:30	1.00		58				CIRCULATE BOTTOMS UP WITH 2 PUMPS ON HOLE AT 430 GPM, WORKING PIPE CONSTANTLY.
	8:30 8:45	0.25		58				SHORT TRIP TO TOP OF FISH
	8:45 9:15	0.50		58				WASH BACK TO BOTTOM WITH BOTH PUMPS AT 430 GPM.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	9:15 10:15	1.00		58				CIRCULATE BOTTOMS UP WITH BOTH PUMPS, 430 GPM, WORKING PIPE CONSTANTLY. SPOT 37 BBL. HIGH VISCOSITY (100 VISC.) LCM (25%) PILL.
	10:15 10:30	0.25		58				TRIP OUT OF HOLE TO 7606', FLOW CHECK, SPOT TRIP PILL.
	10:30 15:15	4.75		58				TRIP OUT OF HOLE. FLAT BOTTOM WASHOVER SHOE ,CONSIDERABLE WEAR ON INSIDE AND OUTSIDE. SOME CRACKS DOWN THE SIDE. ALL INTACT.
	15:15 15:30	0.25		58				CLEAN FLOOR AND PREPARE TO TRIP IN HOLE WITH SCREW IN SUB.
	15:30 18:00	2.50		58				MAKE UP SCREW IN SUB AND TIH.
	18:00 18:15	0.25		58				CREW CHANGE SAFETY MEETING ON TIH.
	18:15 18:30	0.25		58				RIG SERVICE.
	18:30 19:15	0.75		58				TIH TO 7796'.
	19:15 19:45	0.50		58				SCREW INTO FISH.
	19:45 20:00	0.25		58				LD TOP DRIVE DOUBLE PIN AND PIPE GUIDE.
	20:00 20:30	0.50		58				RU WIRE LINE TRUCK.
	20:30 20:45	0.25		58				SAFETY MEETING ON FREE POINT AND BACK OFF.
	20:45 22:30	1.75		58				RIH W/ SPUD BAR.
	22:30 0:00	1.50		58				RIH W/ FREE POINT TOOL @ 8250' 80% FREE & 8 RND5 50% FREE.
	0:00 1:30	1.50		58				RIH W/ BACK OFF TOOL TO 8236' BACKED OFF FISH RECOVERED (11-DC, 1-JAR & 2-DC). NEW TOP OF FISH @ 8236' & BIT @ 8438'.
	1:30 2:30	1.00		58				RD WIRE LINE TOOLS. RU DOUBLE PIN PIPE GUIDE ON TOP DRIVE.
	2:30 3:45	1.25		58				CIRCULATE BOTTOMS UP SPOT HIGH VIS PILL.
	3:45 6:00	2.25		58				TOOH F/ TOP OF FISH @ 8236'.
10/5/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING (TRIPPING OUT OF HOLE)
	6:15 8:15	2.00		58				TRIP OUT OF HOLE WITH FISH
	8:15 9:45	1.50		58				LAY DOWN FISH, RECOVERED 13 DRILL COLLARS AND 1 SET OF COUGAR JARS.
	9:45 10:30	0.75		58				CHANGE ELEVATORS AND PREPARE TO TRIP IN HOLE WITH WASH PIPE.
	10:30 12:30	2.00		58				MAKE UP FLAT BOTTOM WASH OVER SHOE AND TRIP IN HOLE WITH BHA.
	12:30 15:15	2.75		58				TRIP IN HOLE CHECKING EACH CONNECTION FOR TORQUE.
	15:15 15:30	0.25		58				CHECK ENDPLAY IN TOPDRIVE LOADPATH.
	15:30 18:00	2.50		58				SLIP AND CUT DRILLING LINE (57.6')
	18:00 18:15	0.25		58				CREW CHANGE SAFETY MEETING ON TIH.
	18:15 19:15	1.00		58				TIH W/ WASH OVER BHA TO 8020'.
	19:15 21:00	1.75		58				WASH OVER F/ 8020' TO 8264'. TOP OF FISH @ 8236', TBR @ 8264'.
	21:00 0:00	3.00		58				CIRCULATE BRING LCM UP TO 30%.
	0:00 5:00	5.00		58				SPOT HI-VIS PILL & PUMP DRY PILL. TOOH LD WASH OVER & BHA.
	5:00 6:00	1.00		58				PU & MAKE UP SCREW IN SUB & BHA.
10/6/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING (PICK UP BHA)
	6:15 8:00	1.75		58				PICK UP BHA
	8:00 11:00	3.00		58				TRIP IN HOLE TO 8229'.
	11:00 12:00	1.00		58				SCREW INTO FISH AND WORK STUCK PIPE.
	12:00 16:15	4.25		58				RIG UP FREEPOINTERS AND RUN FREEPOINT. TOP OF FISH AT 8236'. BOTTOM AT 8438'. TOP DRILL COLLAR, ABOVE TOP TBR, IS FREE. TBR IS NOT FREE.
	16:15 18:00	1.75		58				JAR DOWN AND WORK TORQUED PIPE.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING (TRIPPING OUT OF HOLE.)
	18:15 21:00	2.75		58				JAR DOWN ON FISH. STRING WT: 165K, PULLING UP TO 200K, THEN SETTING DOWN TO 100 - 110K, WHERE JARS FIRE.
	21:00 21:30	0.50		58				INSPECT DERRICK, BLOCKS, TOP DRIVE, BRAKES, DEADMAN BOLTS.
	21:30 0:00	2.50		58				JAR DOWN ON FISH. STRING WT: 165K, PULLING UP TO 200K, THEN SETTING DOWN TO 100 - 110K, WHERE JARS FIRE.
	0:00 0:15	0.25		58				INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE.
	0:15 3:00	2.75		58				JAR DOWN ON FISH. STRING WT: 165K, PULLING UP TO 200K, THEN SETTING DOWN TO 100 - 110K, WHERE JARS FIRE.
	3:00 3:15	0.25		58				INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE.
	3:15 6:00	2.75		58				JAR DOWN ON FISH. STRING WT: 165K, PULLING UP TO 200K, THEN SETTING DOWN TO 100 - 110K, WHERE JARS FIRE.
10/7/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING (SEVERE WEATHER OPERATIONS)
	6:15 8:00	1.75		58				JAR ON FISH, STARTED TRYING TO JAR UP AND DOWN @ 8236'
	8:00 9:45	1.75		58				RIG SERVICE, GREASE CROWN, DRAWWORKS, BAYLOR BRAKE, BLOCKS. INSPECT DERRICK AND ADJUST BRAKES.
	9:45 18:00	8.25		58				PUT ON NEW SPOOL OF DRILLING LINE
	18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING (EXTREME WEATHER)
	18:15 20:00	1.75		58				JAR ON FISH. STRING WEIGHT: 165K. UP - 200K, DOWN TO 65K, FIRE JARS.
	20:00 20:30	0.50		58				INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE, BRAKES & LINKAGE, DEAD MAN BOLTS, TORQUE TUBE.
	20:30 0:00	3.50		58				JAR ON FISH. STRING WEIGHT: 165K. UP - 200K, DOWN TO 65K, FIRE JARS.
	0:00 0:15	0.25		58				INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE, BRAKES & LINKAGE.
	0:15 3:00	2.75		58				JAR ON FISH. STRING WEIGHT: 165K. UP - 200K, DOWN TO 65K, FIRE JARS.
	3:00 3:15	0.25		58				INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE, BRAKES & LINKAGE.
	3:15 6:00	2.75		58				JAR ON FISH. STRING WEIGHT: 165K. UP - 200K, DOWN TO 65K, FIRE JARS. NO PROGRESS NOTED IN THE PAST 24 HOURS.
10/8/2010	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING
	6:15 7:45	1.50		58				JAR ON FISH 100,000 DOWN AND 90,000 UP, 50% OF TIME EACH WAY.
	7:45 8:00	0.25		58				RIG SERVICE, GREASE DRAWWORKS, TOP DRIVE, BLOCKS, BAYLOR BRAKE-FUNCTION ANNULAR 17 SECONDS.
	8:00 10:45	2.75		58				JAR ON FISH 100,000 DOWN AND 90,000 UP, 50% OF TIME EACH WAY.
	10:45 11:00	0.25		58				DERRICK AND TOP DRIVE INSPECTION
	11:00 14:00	3.00		58				JAR ON FISH 100,000 DOWN AND 90,000 UP, 50% OF TIME EACH WAY.
	14:00 14:15	0.25		58				DERRICK AND TOP DRIVE INSPECTION
	14:15 18:00	3.75		58				JAR ON FISH 100,000 DOWN AND 90,000 UP, 50% OF TIME EACH WAY.
	18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING. (TRIPPING OUT OF HOLE).
	18:15 18:30	0.25		58				INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE, ELEVATORS, DRILL INE, DEAD MAN, BRAKES & LINAKGE.
	18:30 19:15	0.75		58				SHUT DOWN OPERATIONS DUE TO SEVERE WEATHER - HIGH WINDS AND LIGHTNING AS THUNDERSTORM PASSED OVER RIG.
	19:15 21:00	1.75		58				JAR ON FISH 100,000 DOWN AND 90,000 UP, 50% OF TIME EACH WAY.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	21:00 21:30	0.50		58				INSPECT DERRICK, CROWN, BLOCKS, TOP DRIVE, BRAKES & LINKAGE. LET JARS COOL DOWN. JARS WORKING UP APPEAR TO BE WORN, FIRING AT 35K OVER (200K ON WT. INDICATOR.)
	21:30 22:45	1.25		58				JAR ON FISH 100,000 DOWN.
	22:45 1:00	2.25		58				HOSE ON TOP DRIVE SERVICE LOOP DEVELOPED LEAK. CALL TOP DRIVE HAND. REPAIR. REPLACE RETURN HOSE. REHANG SERVICE LOOP.
	1:00 2:00	1.00		58				JAR ON FISH 100,000 DOWN. TRIED JARRING UP, BUT JARS FIRED AT 35K OVER STRING. JARS DOWN ARE STILL STRONG, SO FOCUSED ON THAT DIRECTION.
	2:00 2:30	0.50		58				REMOVE GRABBER FROM TOP DRIVE.
	2:30 4:30	2.00		58				JAR ON FISH 100,000 DOWN.
	4:30 4:45	0.25		58				DERRICK INSPECTION.
	4:45 6:00	1.25		58				JAR ON FISH 100,000 DOWN.
	10/9/2010	6:00 6:15	0.25		58			PRE TOUR SAFETY MEETING (HIGH ANGLE RESCUE)
	6:15 7:15	1.00		58				JAR DOWN ON FISH
	7:15 8:45	1.50		58				RIG UP CASED HOLE SOLUTIONS, TRIP IN HOLE WITH SPUD BAR. BRIDGE AT 53' UNABLE TO SPUD THROUGH BRIDGE.
	8:45 9:45	1.00		58				WAIT ON BAILER, INSTALL GRABBER BAR.
	9:45 11:15	1.50		58				TRY TO KNOCK LCM BRIDGE OUT OF DRILL PIPE. PULLED OUT OF ROPE SOCKET
	11:15 15:00	3.75		58				WAIT ON TOOLS
15:00 15:30	0.50		58				RIG UP FISHING TOOLS	
15:30 18:00	2.50		58				FISH SPUD BAR FROM DRILL STRING AND LAY DOWN.	
18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING (LAYING DOWN AND RIGGING OUT WIRELINE)	
18:15 18:30	0.25		58				RIG OUT WIRELINE TRUCK.	
18:30 20:00	1.50		58				WAIT ON COIL TUBING TRUCK.	
20:00 22:30	2.50		58				SAFETY MEETING WITH BJ COIL TUBING CREW AND PLAN FOR RIGGING IN COIL TUBING EQUIPMENT.	
22:30 0:00	1.50		58				MOVE 2 STANDS OF COLLARS AND LAY DOWN WASHOVER PIPE.	
0:00 1:00	1.00		58				LAY DOWN WASHOVER PIPE.	
1:00 5:30	4.50		58				LAY DOWN BOTTOM SECTION OF TORQUE TUBE. ROLL CASING TO MAKE ROOM FOR RIGGING IN COIL TUBING EQUIPMENT.	
5:30 6:00	0.50		58				SAFETY MEETING AND SPOT COIL TUBING UNIT.	
10/10/2010	6:00 6:15	0.25		58			PRE TOUR SAFETY MEETING (RIG UP BJ COILED TUBING UNIT)	
6:15 7:45	1.50		58				MAKE UP X/O AND FLANGE ON DRILL PIPE	
7:45 9:15	1.50		58				RIG UP COILED TUBING UNIT	
9:15 11:45	2.50		58				PICK UP BOP STACK, TIGHTEN BOLTS, INSTALL INJECTOR, AND SECURE IN DERRICK.	
11:45 14:00	2.25		58				FILL COILED TUBING AND PRESSURE TEST, PROBLEMS PRIMING BJ PUMP. BYPASS CENTRIFUGAL PUMP.	
14:00 16:15	2.25		58				WASH OUT DRILL STRING WITH COILED TUBING. WASH TO 2500'.	
16:15 18:00	1.75		58				WORK ON PUMP, WASHED SEAT ,NO SPARE, WAIT ON PARTS. HOIST COIL CIRCULATING NOZZLE TO SURFACE.	
18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING (ADJUSTING BRAKES)	
18:15 20:30	2.25		58				WORK ON BJ COIL TUBING UNIT PUMP. SECOND PUMP TRUCK ON WAY.	
20:30 21:30	1.00		58				START WASHING OUT DRILL PIPE FROM SURFACE. TO 2500'.	
21:30 23:30	2.00		58				WASH OUT DRILL PIPE FROM 2500' TO 5000'. TIE IN NEW PUMPING TRUCK. CONTINUE WASHING OUT DRILL PIPE FROM 5000' TO 7200'.	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
10/11/2010	23:30 1:00	1.50		58				CIRCULATE BOTTOMS UP WITH COIL UNIT TO CLEAR MUD OF SAWDUST/LCM CONTENT PRIOR TO CIRCULATING THROUGH INTENSIFIER, WITH ID OF 2".
	1:00 2:00	1.00		58				WASH OUT DRILL PIPE FROM 7200' TO 8399'. CIRCULATE AT 1 BBL/MIN.
	2:00 5:00	3.00		58				CIRCULATE FOR 30 MINUTES, THEN COMMENCE SPOOLING COIL UNIT OUT OF HOLE WHILE CIRCULATING.
	5:00 6:00	1.00		58				FLUSH OUT COIL AND PUMPS, PREPARE TO RIG OUT COIL UNIT.
	6:00 6:15	0.25		58				PRE TOUR SAFETY MEETING ( FALL PROTECTION)
	6:15 6:30	0.25		58				RIG SERVICE, GREASE DRAWWORKS, BAYLOR BRAKE, DRIVELINE, FUNCTION ANNULAR, UPPER PIPE RAMS 17/5 SECONDS.
	6:30 7:00	0.50		58				PRE JOB SAFETY MEETING,RIG DOWN COIL TUBING UNIT
	7:00 7:45	0.75		58				RIG DOWN COIL TUBING UNIT
	7:45 8:30	0.75		58				RIG OUT FLOW LINE, BREAK OUT CHANGE OVERS, STABBING VALVE, AND 4-1/16 FLANGE, FIRE JARS (FISHING STRING FREE)
	8:30 12:15	3.75		58				INSTALL TORQUE TUBE AND BUSHING
	12:15 13:00	0.75		58				RIG UP FREE POINT UNIT
	13:00 17:30	4.50		58				TRIP IN HOLE WITH SPUD BAR (TD 8372'), RUN FREE POINT, 60% FREE ON STRETCH AND 50% FREE ON TORQUE @ 8250'. BACKED OFF AT 8236 (SCREW IN SUB) LEFT 1 DRILL COLLAR, 1 TBR, 2 DRILL COLLARS, 1 TBR, 3 DRILL COLLARS, 1 BIT SUB, AND 1 8-3/4" FDS+ SMITH BIT.(IN THAT ORDER)
	17:30 18:00	0.50		58				TRIP OUT OF HOLE
	18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING ( TRIP OUT OF HOLE)
18:15 23:30	5.25		58				TRIP OUT OF HOLE. STRAP OUT TO 1171'. FLOW CHECKS - 7349', 4000' & 1209'	
23:30 2:00	2.50		58				LAY DOWN 6 GRACO RENTAL DRILL COLLARS & 18 PD HWDP.	
2:00 2:15	0.25		58				SAFETY MEETING W/ CSI ( INSPECT DC & HWDP THROUGH TABLE)	
2:15 6:00	3.75		58				TRIP OUT W/ BHA, INSPECTING 6 HWDP & 12 DRILL COLLARS.	
10/12/2010	6:00 6:15	0.25		58			PRE JOB SAFETY MEETING ( HANDLING BHA)	
6:15 7:00	0.75		58				LAY DOWN FISHING TOOLS	
7:00 7:30	0.50		58				CHANGE ELEVATORS, BREAK OUT WASH PIPE C/O AND LAY DOWN	
7:30 8:00	0.50		58				PREP BHA AND FLOOR TO TRIP IN HOLE	
8:00 10:30	2.50		58				MAKE UP BIT AND BHA, PICKING UP 6 NEW DRILL COLLARS (DOPE PIN AND THREAD MAKE UP AND TORQUE, BREAK OUT, RE DOPE, MAKE UP AND TORQUE)	
10:30 12:00	1.50		58				TRIP IN HOLE WITH DRILL PIPE	
12:00 13:15	1.25		58				SLIP AND CUT DRILLING LINE. (57.5')	
13:15 15:45	2.50		58				TRIP IN HOLE, WASH TO TOP OF FISH, SLM TOP OF FISH @ 8228'.	
15:45 16:45	1.00		58				CIRCULATE BOTTOMS UP, WORKING PIPE CONTINUOUSLY.	
16:45 18:00	1.25		58				TRIP OUT OF HOLE, 8228' - 6270' FLOW CHECK AT 7769', PUMP TRIP PILL.	
18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING (TRIP OUT OF HOLE)	
18:15 22:30	4.25		58				TRIP OUT OF HOLE F/ 6270' - 0'. FLOW CHECK @ 4043', 879', 0'	
22:30 22:45	0.25		58				SAFETY MEETING W/ HALLIBURTON WIRELINE CREW.	
22:45 0:00	1.25		58				RIG UP WIRELINE FOR CALIPER LOG.	
0:00 3:30	3.50		58				RUN CALIPER LOG F/ 8228' - 5016'. LOG ON FISH @ 01:50 HR.	
3:30 4:00	0.50		58				RIG OUT WIRELINE TRUCK.	
4:00 4:15	0.25		58				PRE JOB SAFETY MEETING - PICK UP BHA W/ WHIPCTOCK	
4:15 5:00	0.75		58				PICK UP DIRECTIONAL TOOLS, TO TEST.	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	5:00 5:15	0.25		58				TRIP IN 2 STANDS TO TEST DIRECTIONAL TOOLS.
	5:15 5:30	0.25		58				TEST DIRECTIONAL TOOLS.
	5:30 5:45	0.25		58				TRIP OUT 2 STANDS.
	5:45 6:00	0.25		58				PICK UP WHIPSTOCK AND TOOLS.
10/13/2010	6:00 6:15	0.25		58				PRE JOB SAFETY MEETING (MAKING UP WHIPSTOCK)
	6:15 6:30	0.25		58				RIG SERVICE, GREASE DRAWWORKS, DRIVELINE, BAYLOR,, FUNCTION ANNULAR 17 SECONDS.
	6:30 7:30	1.00		58				REPAIR EXTEND ARM ALARM, PERFORM DERRICK INSPECTION.
	7:30 8:30	1.00						TEST MWD AND LAY DOWN
	8:30 9:30	1.00		58				PICK UP WHIPSTOCK AND MILL. PRE JOB SAFETY MEETING WITH SMITH
	9:30 12:30	3.00		58				MAKE UP WHIPSTOCK ASSEMBLY AND SCRIBE TO MWD. (PROBLEMS WITH WHIPSTOCK EQUIPMENT)
	12:30 13:45	1.25		58				MAKE UP BHA AND TIH TO 836'
	13:45 16:45	3.00		58				TRIP IN HOLE TO 4280', FILLING DRILL PIPE EVERY STAND WITH CLEAN MUD.
	16:45 17:00	0.25		58				FLOW CHECK AND FILL PIPE.
	17:00 18:00	1.00		58				TRIP IN HOLE F/ 4280' - 6052', FILLING DRILL PIPE EVERY STAND WITH CLEAN MUD. RUNNING IN AT 4 MIN/ STAND.
	18:00 18:15	0.25		58				PRE TOUR SAFETY MEETING (TRIPPING IN HOLE)
	18:15 21:00	2.75		58				TRIP IN HOLE F/ 6052' - 8222'.
	21:00 21:15	0.25		58				FILL PIPE AND TEST MWD TOOL.
	21:15 21:30	0.25		58				SET WHIPSTOCK AT 8222'. ORIENT @ 240 DEG AZIMUTH. SLIPS ON WHIPSTOCK SET AT 8217' +/- . TOP OF WHIPSTOCK AT 8186'. END OF TROUGH ON WHIPSTOCK AT 8200'.
	21:30 21:45	0.25		58				MILL RAT HOLE OFF WHIPSTOCK TO INITIATE SIDETRACK.
	21:45 22:45	1.00		58				REPAIR PUMP #2.
	22:45 0:00	1.25		58				MILL RAT HOLE OFF WHIPSTOCK F/ 8186' - 8189'.
	0:00 6:00	6.00		58				MILL RAT HOLE OFF WHIPSTOCK F/ 8189' - 8196'.
10/14/2010	6:00 6:15	0.25		67				PRE TOUR SAFETY MEETING ( REVIEW JSA #38, LOCKOUT PROCEDURES)
	6:15 13:30	7.25		67				FLOW CHECK, PULL 5 STANDS, TRIP OUT OF HOLE.
	13:30 13:45	0.25		67				CLEAN AND LAY DOWN MWD.
	13:45 14:45	1.00		67				LAY DOWN MILL
	14:45 17:00	2.25		67				STRAP DC'S AND PICK UP MUD MOTOR
	17:00 17:30	0.50		67				ORIENT MWD / SCRIBE
	17:30 18:00	0.50		67				INSTALL MWD.
	18:00 18:15	0.25		67				PRE TOUR SAFETY MEETING. ( TRIPPING, WORKING IN DERRICK)
	18:15 19:45	1.50		67				MAKE UP BIT #12, RUN IN HOLE TO 1002'.
	19:45 21:15	1.50		67				INSTALL ROTATING HEAD, FILL PIPE, DOWNLINK MWD & PULSE TEST.
	21:15 23:30	2.25		67				TRIP OUT FOR MWD FAILURE.
	23:30 0:00	0.50		67				TROUBLESHOOT MWD.
	0:00 0:45	0.75		67				TEST MWD, INSTALL AND REMOVE ROTATING RUBBER.
	0:45 2:00	1.25		67				MAKE UP BHA & TRIP IN TO 1002'.
	2:00 3:00	1.00		67				INSTALL ROTATING RUBBER, FLOW CHECK, FILL PIPE AND ORIENT MWD & MOTOR TO 230 DEG.
	3:00 6:00	3.00		60				REPAIR TOP DRIVE - CHANGE HYDRAULIC MOTOR.
10/15/2010	6:00 6:15	0.25		60				PRE JOB SAFETY MEETING ( REVIEW JSA #8 TRIPPING IN HOLE)
	6:15 9:00	2.75		60				CHANGE MOTOR ON TOP DRIVE
	9:00 9:30	0.50		58				CHECK TOP DRIVE FOR ALL TOOLS, PULSE TEST MWD.
	9:30 11:15	1.75		58				TRIP IN HOLE TO CASING SHOE.
	11:15 11:45	0.50		58				FILL DRILL PIPE WITH CLEAN MUD

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	11:45 13:15	1.50		58				TRIP IN HOLE TO TOP OF WHIPSTOCK AT 8187'
	13:15 16:00	2.75		58				MWD NOT WORKING, CYCLING TRYING TO GET TOOL FACE @ 8178'. PUMPED 20 BBL. CLEAR WATER SWEEP WITH NO RESULTS.
	16:00 16:45	0.75		58				WORK INTO TOP OF WHIPSTOCK AT 8187.5, REAM TO BOTTOM
	16:45 18:00	1.25		58				SLIDING FROM 8196'-8202' PAST END OF WHIPSTOCK AT 8201.45'.
	18:00 18:15	0.25		18				PRE TOUR SAFETY MEETING ( 90' CONNECTIONS)
	18:15 21:30	3.25		03				SLIDE F/ 8202' - 8213' AT 3.4 FT/HR
	21:30 0:00	2.50		03				DRILL 8 3/4" HOLE FROM 8213' - 8250' AT 14.8 FT/HR. ACHIEVED SURVEY @ 8140' - INC - 1.8 DEG, AZI - 223 DEG.
	0:00 0:45	0.75		03				DRILL 8 3/4" HOLE FROM 8250' - 8269' AT 25.3 FT/HR.
	0:45 1:00	0.25		06				RIG SERVICE. GREASE BLOCKS, TOP DRIVE, DRAWWORKS. FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS - 5/5 SECONDS. ACHIEVED SURVEY 8218' - INC - 2.2 DEG, AZI - 207.6 DEG.
	1:00 5:45	4.75		03				DRILL 8 3/4" HOLE FROM 8269' - 8347' AT 16.4 FT/HR. SURVEY: INC - 8243', AZI - 235.4 DEG. ROTATE FROM 8269' - 8301'. SLIDE FROM 8301 - 8313. ROTATE FROM 8313' - 8335'.
	5:45 6:00	0.25		05				SURVEY AND CONNECTION TIME.
10/16/2010	6:00 6:15	0.25		18			8,347.0	CREW CHANGE & SAFETY MEETING ON RIG SERVICE.
	6:15 7:00	0.75		03			8,365.0	DRILLED ROTATE F/ 8335' TO 8365'.
	7:00 7:15	0.25		06			8,365.0	RIG SERVICE.
	7:15 17:15	10.00		03			8,551.0	DRILLED ROTATE F/ 8365' TO 8428', SLIDE F/ 8428' TO 8440', ROTATE F/ 8440' TO 8551'.
	17:15 18:00	0.75		05			8,551.0	SURVEY & CONNECTION TIME.
	18:00 18:15	0.25		18			8,551.0	PRE TOUR SAFETY MEETING MOUSEHOLING DRILL PIPE & ROTARY DANGER ZONE
	18:15 19:00	0.75		18			8,551.0	PULL 2 STANDS, CHANGE WASHPIPE ON TOP DRIVE, RUN TO BOTTOM.
	19:00 19:30	0.50		03			8,556.0	DRILLED ROTATE F/ 8551' - 8556'.
	19:30 19:45	0.25		18			8,556.0	CHANGE GASKET IN #2 PUMP.
	19:45 0:00	4.25		03			8,632.0	DRILLED ROTATE F/ 8556' - 8632'
	0:00 0:45	0.75		03			8,642.0	DRILLED ROTATE F/ 8632' - 8642'.
	0:45 1:00	0.25		06			8,642.0	RIG SERVICE. GREASE TOP DRIVE, DRAWWORKS, BAYLOR BRAKE, FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS - 5/5 SECONDS. OPEN CLOSE.
	1:00 2:45	1.75		03			8,657.0	DRILLED ROTATE F/ 8642' - 8657'.
	2:45 3:00	0.25		18			8,657.0	CHANGE GASKET IN #2 PUMP.
	3:00 5:30	2.50		03			8,701.0	DRILLED ROTATE F/ 8657' - 8701'
	5:30 6:00	0.50		05			8,701.0	SURVEY AND CONNECTION TIME
10/17/2010	6:00 6:15	0.25		59			8,701.0	CREW CHANGE & SAFETY MEETING.
	6:15 8:30	2.25		59			8,738.0	DRILL F/ 8701' TO 8738'. MWD TOOL QUIT WORKING
	8:30 8:45	0.25		59			8,738.0	RIG SERVICE.
	8:45 9:30	0.75		59			8,890.0	DRILL F/ 8738 TO 8742'. MWD TOOL NOT WORKING.
	9:30 16:15	6.75		03			8,890.0	DRILL F/ 8742 TO 8890'. MWD TOOL NOT WORKING.
	16:15 18:00	1.75		05			8,890.0	CONNECTION & SURVEY TIME.
	18:00 18:15	0.25		18			8,890.0	CREW CHANGE AND SAFETY MEETING ( STEAM USAGE & WINTER OPERATIONS)
	18:15 21:15	3.00		03			8,921.0	DRILL F/ 8890' TO 8921'. MWD TOOL NOT WORKING.
	21:15 21:30	0.25		06			8,921.0	RIG SERVICE. GREASE TOP DRIVE, DRAWWORKS, BAYLOR, FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS 5/5 OPEN/ CLOSE.
	21:30 0:00	2.50		03			8,948.0	DRILL F/ 8921' - 8948'. MWD TOOL NOT WORKING.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
10/18/2010	0:00 5:45	5.75		03			9,010.0	DRILL F/ 8948' - 9010'. MWD TOOL NOT WORKING.
	5:45 6:00	0.25		05			9,010.0	CONNECTION & SURVEY TIME.
	6:00 6:15	0.25		18			9,010.0	CREW CHANGE & SAFETY MEETING LOCK OUT TAG OUT.
	6:15 6:30	0.25		06			9,010.0	RIG SERVICE.
	6:30 10:30	4.00		03			9,054.0	DRILLED F/ 9010' TO 9054'.
	10:30 11:00	0.50		05			9,054.0	CONNECTION TIME.
	11:00 12:15	1.25		08			9,054.0	CIRCULATE BOTTOMS UP FOR TRIP.
	12:15 15:15	3.00		04			9,054.0	TOOH W/ FLOW CHECKS F/ 9054' TO 4567'.
	15:15 15:30	0.25		18			9,054.0	HELD BOP DRILL. WELL SECURE, MEN IN POSITION 100 SECONDS.
	15:30 18:00	2.50		04			9,054.0	TOOH F/ 4567' - 657'
	18:00 18:15	0.25		18			9,054.0	PRE TOUR SAFETY MEETING. HANDLING BHA.
	18:15 19:15	1.00		04			9,054.0	PULL BHA.
	19:15 20:00	0.75		04			9,054.0	PULL MWD, LAY DOWN MOTOR.
	20:00 21:45	1.75		04			9,054.0	P/U NEW MOTOR, SCRIBE & P/U MWD. RUN IN TO 947'.
	21:45 23:00	1.25		04			9,054.0	FLOW CHECK. INSTALL ROTATING HEAD. FILL PIPE & PULSE TEST.
	23:00 0:00	1.00		04			9,054.0	TRIP IN HOLE TO 4261'.
	0:00 0:15	0.25		04			9,054.0	TRIP IN HOLE TO 5028'.
	0:15 0:45	0.50		05			9,054.0	FILL PIPE, PULSE TEST.
	0:45 2:45	2.00		04			9,054.0	TRIP IN HOLE, WASH LAST 2 STANDS TO BOTTOM.
	2:45 5:30	2.75		03			9,054.0	PATTERN BIT & DRILL F/ 9054' - 9200'
5:30 6:00	0.50		05			9,054.0	SURVEY & CONNECTION TIME.	
10/19/2010	6:00 6:15	0.25		18			9,200.0	CREW CHANGE AND SAFETY MEETING ON CONNECTIONS.
	6:15 7:00	0.75		03			9,262.0	DRILL F/ 9200' TO 9262'.
	7:00 8:45	1.75		60			9,262.0	REPAIR #1 MUD PUMP (BROKEN VALVE GUIDE & WEDGED INTO SEAT, CHANGE OUT TWO VALVE SEATS).
	8:45 9:30	0.75		03			9,292.0	DRILL F/ 9262' TO 9292'.
	9:30 9:45	0.25		06			9,292.0	RIG SERVICE.
	9:45 16:45	7.00		03			9,605.0	DRILL F/ 9292' TO 9605'.
	16:45 18:00	1.25		05			9,605.0	SURVEY & CONNECTION TIME.
	18:00 18:15	0.25		18			9,605.0	CREW CHANGE AND SAFETY MEETING ON SETTING/ PULLING SLIPS, INCIDENT REVIEW.
	18:15 19:00	0.75		03			9,663.0	DRILL F/ 9605 TO 9663'.
	19:00 19:15	0.25		06			9,663.0	RIG SERVICE. GREASE BAYLOR, DRAWWORKS, TOP DRIVE, FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS 5/5 SECONDS OPEN/ CLOSE.
	19:15 0:00	4.75		03			9,663.0	DRILL F/ 9663' - 9847'.
	0:00 5:15	5.25		03			10,010.0	DRILL F/ 9847' -
	5:15 6:00	0.75		05			10,010.0	SURVEY AND CONNECTION TIME.
10/20/2010	6:00 6:15	0.25		18			10,025.0	CREW CHANGE AND SAFETY MEETING.
	6:15 8:00	1.75		03			10,027.0	DRILLED F/ 10025' TO 10027'.
	8:00 9:15	1.25		08			10,027.0	CIRCULATE HOLE CLEAN.
	9:15 17:30	8.25		04			10,027.0	TOOH FOR BIT TRIP. LD AND SERVICE MWD TOOL. LD BIT #15.
	17:30 18:00	0.50		04			10,027.0	PU BIT #16 & SERVICE MWD TOOL.
	18:00 18:15	0.25		18			10,027.0	CREW CHANGE AND SAFETY MEETING (TRIP IN HOLE)
	18:15 21:15	3.00		04			10,027.0	MAKE UP BHA AND RUN TO 5004'
	21:15 21:45	0.50		05			10,027.0	FLOW CHECK, FILL PIPE & PULSE TEST.
	21:45 22:00	0.25		18			10,027.0	SAFETY MEETING (SLIP & CUT DRILLING LINE.)
	22:00 23:00	1.00		18			10,027.0	SLIP & CUT DRILLING LINE. - 71.6' CUT.
	23:00 0:00	1.00		04			10,027.0	TRIP IN HOLE TO 7336'.
	0:00 1:30	1.50		04			10,027.0	TRIP IN HOLE F/ 7336' - 9862'.
	1:30 2:30	1.00		07			10,027.0	REAM TO BOTTOM, TAGE AT 10021'.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
10/21/2010	2:30 3:15	0.75		03			10,027.0	DRILL 8 3/4" HOLE F/ 10021 - 10027.
	3:15 3:30	0.25		18			10,027.0	BOP DRILL W/ CREW.
	3:30 5:45	2.25		03			10,045.0	DRILL FROM 10027' - 10045. SLIDE - 10031' - 10045'.
	5:45 6:00	0.25		05			10,045.0	SURVEY AND CONNECTION TIME.
	6:00 6:15	0.25		18			10,045.0	CREW CHANGE & SAFETY MEETING.
	6:15 8:00	1.75		03			10,065.0	DRILLED F/ 10045' TO 10065'.
	8:00 9:45	1.75		08			10,065.0	CIRCULATE AND CONDITION MUD.
	9:45 17:30	7.75		04			10,065.0	TOOH FOR OPEN HOLE LOGS. LD BHA #16.
	17:30 18:00	0.50		18			10,065.0	RU HALLIBURTON.
	18:00 18:15	0.25		18			10,065.0	CREW CHANGE AND SAFETY MEETING. (WIRELINE LOGS)
	18:15 23:30	5.25			11		10,065.0	RUN WIRELINE LOGS W/ HALLIBURTON. LOGGERS T.D.: 10065' @ 19:25 HR, OCT. 20. TOOLS RUN: GAMMA RAY/ DUAL SPACED NEUTRON (GR/ DSN) 10056' - 100', SPECTRAL DENSITY/ ARRAY COMPENSATED RESISTIVITY (SDL/ ACRI) + CALIPER 10056' - 5016'. LOGGING TOOL HAD NO PROBLEM RUNNING IN HOLE, BUT CALIPER WAS CAUGHT ON WHIPSTOCK. LOWERED TOOL, CLOSED CALIPER, PULLED THROUGH WITHOUT PROBLEM, AND LOGGED OUT.
	23:30 0:00	0.50			04		10,065.0	MAKE UP BIT AND BHA.
0:00 1:00	1.00			04		10,065.0	MAKE UP BHA, INSTALL ROTATING RUBBER, FILL BHA & FLOW CHECK.	
1:00 5:00	4.00			04		10,065.0	TRIP IN HOLE F/ 885' - 10065' FILL PIPE AT 8	
5:00 6:00	1.00			08		10,065.0	CIRCULATE BOTTOMS UP.	
10/22/2010	6:00 6:15	0.25		18			10,065.0	CREW CHANGE & SAFETY MEETING ON LAYING DOWN PIPE.
	6:15 7:45	1.50		08			10,065.0	CIRCULATE & CONDITION HOLE FOR TRIP.
	7:45 18:00	10.25		04			10,065.0	TOOH LD PIPE & BHA #17.
	18:00 18:15	0.25		18			10,065.0	CREW CHANGE & SAFETY MEETING (LAY DOWN PIPE)
	18:15 19:45	1.50		04			10,065.0	LAY DOWN BHA, FLOW CHECK @ 0'.
	19:45 20:15	0.50		12			10,065.0	PULL WEAR BUSHING.
	20:15 21:00	0.75		12			10,065.0	RIG UP TO RUN CASING.
	21:00 21:15	0.25		12			10,065.0	SAFETY MEETING. (RIG UP CDS)
	21:15 22:15	1.00		12			10,065.0	RIG UP TESCO CDS TOOL.
	22:15 22:30	0.25		12			10,065.0	SAFETY MEETING - RUNNING 7" CASING.
22:30 0:00	1.50		12			10,065.0	MAKE UP SHOE TRACK AND RUN 10 JTS OF 7" CASING. (443')	
0:00 6:00	6.00		12			10,065.0	RUN 7" CASING FROM 443' (10 JTS) TO 4209' (96 JTS).	
10/23/2010	6:00 6:15	0.25		18			10,065.0	CREW CHANGE AND SAFETY MEETING ON RUNNING CASING.
	6:15 8:30	2.25		12			10,065.0	PU & RUN 7" CASING F/ 0' TO 4438'. LOST CIRCULATION.
	8:30 9:15	0.75		57			10,065.0	BUILD MUD VOLUME. MOVING CASING AT ALL TIMES.
	9:15 10:30	1.25		12			10,065.0	PU & RUN 7" CASING F/ 4438' TO 4967'.
	10:30 18:00	7.50		57			10,065.0	BUILD MUD VOLUME. TOTAL MUD LOST IN LAST 12 HOURS 950 BBLS 13.2# 30% LCM 50 VIS. MOVING CASING AT ALL TIMES.
	18:00 18:15	0.25		18			10,065.0	CREW CHANGE AND SAFETY MEETING. (MIXING INTO HOPPER)
	18:15 20:30	2.25		57			10,065.0	BUILD VOLUME, ATTEMPT TO REGAIN CIRCULATION. PUMP VIS - 80. WT 13.2. LCM - 30% AT 50 SPM WHILE WORKING CASING AT 4967'. NO RETURNS. LOST 260 BARRELS, NO RETURNS. CIRCULATING PRESSURE: 418 PSI
	20:30 20:45	0.25		18			10,065.0	PREJOB SAFETY MEETING. RUNNING 7" CASING W. TESCO WHILE LOSING CIRCULATION.
	20:45 0:00	3.25		12			10,065.0	PU & RUN 7" CASING (P-110 29 LB/FT LT&C) FROM 4967' - 6806'.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	0:00 6:00	6.00		12			10,065.0	RUN 7" CASING FROM 6806' TO 10013' PUMPED 20 BBL MUD AT 7529'. NO RETURNS. CIRCULATING PRESSURE: 600 PSI. PUMPED 20 BBL MUD AT 8500'. NO RETURNS. CIRCULATING PRESSURE: 725 PSI. WHILE CIRCULATING LAST THREE JTS TO BOTTOM - NO RETURNS, PRESSURE: 959 PSI.
10/24/2010	6:00 6:15	0.25		18			10,065.0	CREW CHANGE & SAFETY MEETING RIGGING OUT TESCO TOOLS.
	6:15 7:45	1.50		12			10,065.0	TAG TD @ 10065'. LD TAG JT. PU LANDING JOINT. RAN FLOAT SHOE, SHOE JOINT, FLOAT COLLAR, 228 JOINTS & 1 MARKER JOINT OF 7" 29# PER FOOT P-110 LTC CASING, PUP JOINT, CASING LANDING HANGER, LANDING TOOL, AND A LANDING JOINT, TOTAL LENGTH 10,058.85'. FILLING CASING EVERY 5 JOINTS TIH. NO CIRCULATION. MUD STAYING AT SURFACE. 7" CASING KB SET DEPTH @ 10058.85' KB. 7" CASING GROUND LEVEL SET DEPTH @ 10040.85' CENT. ON FIRST 3 JTS EVERY 3RD JT THERE AFTER.
	7:45 9:45	2.00		12			10,065.0	RD TESCO.
	9:45 12:00	2.25		14			10,065.0	RIG UP SCHLUMBERGER.
	12:00 18:00	6.00		14			10,065.0	CEMENT 7" 29# P-110 LTC CASING WITH 5 BBLs FRESH WATER, 20 BBLs 13.8# MUDPUSH, TAIL CEMENT 205 BBLs (790 SKS) 14.5 PPG, YIELD 1.46 FT <sup>3</sup> /SK, WATER 7.1 GAL/SK, DROP PLUG ON FLY, DISPLACED WITH WATER 371.5 BBLs DIDN'T BUMP PLUG, PUMP .8 BBLs OF WATER, DIDN'T LAND PLUG. FLOATS DIDN'T HOLD. SHUT CMT HEAD VALVES OFF FOR 4 HRS. FLOATS HELD. NO RETURNS DURING CEMENT JOB. RD & RELEASE SCHLUMBERGER.
	18:00 18:15	0.25		18			10,065.0	CREW CHANGE & SAFETY MEETING. CHANGING PIPE RAMS.
	18:15 19:00	0.75		14			10,065.0	WAIT ON CEMENT & HOLD PRESSURE ON CASING. OPEN RAM DOORS TO CHANGE RAMS. BLEED OFF CASING @ 19:00 HR - 4.8 BBL RETURN.
	19:00 20:30	1.50		14			10,065.0	RIG OUT CEMENT HEAD & ELEVATORS. BJ 350 TON ELEVATORS WOULD NOT RELEASE FROM LANDING JOINT. CLEAN MUD TANKS.
	20:30 23:00	2.50		57			10,065.0	RIG UP CASED HOLE SOLUTIONS WIRELINE. RUN TEMPERATURE LOG. TEMPERATURE CHANGE APPEARS TO INDICATE CEMENT TOP AT 5500 FT +/- . CLEAN MUD TANKS.
	23:00 23:30	0.50		15			10,065.0	CHANGE RAMS TO 3 1/2" ON BOP STACK. CLEAN MUD TANKS.
	23:30 0:00	0.50		15			10,065.0	LAY DOWN LANDING JOINT & ELEVATORS. WAIT ON DOOR SEALS FOR UPPER PIPE RAMS. CLEAN MUD TANKS.
	0:00 2:30	2.50		15			10,065.0	CHANGE BALES ON TOP DRIVE & INSTALL PACK-OFF ASSEMBLY W/ WEATHERFORD . TEST TO 5,000 PSI FOR 10 MINUTES. CLEAN MUD TANKS.
	2:30 3:00	0.50		15			10,065.0	CHANGE SAVER SUB TO 3 1/2".
	3:00 3:15	0.25		15			10,065.0	SAFETY MEETING. PRESSURE TESTING.
	3:15 6:00	2.75		15			10,065.0	TEST IBOP, HCR & INSIDE KILL - 250 LOW, 10,000 HIGH, 10 MINUTES EACH TEST.
10/25/2010	6:00 6:15	0.25		18			10,065.0	CREW CHANGE & SAFETY MEETING.
	6:15 16:30	10.25		09			10,065.0	PRESSURE TEST BLIND RAMS. STABBING VALVES, HCR & MANUAL. TOP DRIVER VALVES, LPR, UPR, KILL LINE AND ALL ADJACENT MANUAL VALVES, 250 PSI LOW & 10000 PSI HIGH FOR 10 MINS EACH. TEST STAND PIPE & ANNULAR 250 PSI LOW & 4000 PSI HIGH. PRESSURE TEST CASING 2500 PSI FOR 30 MINUTES. OK.
	16:30 16:45	0.25		09			10,065.0	TEST ACCUMULATOR OK.
	16:45 18:00	1.25		04			10,065.0	RIG TO RUN BHA #18.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	18:00 18:15	0.25		18			10,065.0	CREW CHANGE & SAFETY MEETING - PICKING UP BHA & DP
	18:15 20:30	2.25		18			10,065.0	STRAP, TALLY & DRIFT 3 1/2" DRILL PIPE. BUILD VOLUME AND CONDITION MUD SYSTEM. PIPE COUNT: 467 JTS OF 3 1/2" DRILL PIPE ON LOCATION.
	20:30 21:45	1.25		05			10,065.0	MAKE UP BIT, DIRECTIONAL TOOLS & SCRIBE @ 1.5 DEGREE BEND ON MOTOR.
	21:45 0:00	2.25		04			10,065.0	PICK UP BHA.
	0:00 0:15	0.25		05			10,065.0	PULSE TEST MWD TOOL.
	0:15 6:00	5.75		04			10,065.0	PICK UP 3 1/2" DRILL PIPE, TRIP IN HOLE.
10/26/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING ( PICKING UP 3-1/2" DRILL PIPE)
	6:15 7:45	1.50		04				PICK UP 3-1/2" DRILL PIPE F/ 7044'-7893'
	7:45 8:00	0.25		18				HELD BOP DRILL, OPEN HCR 3 SECONDS, CLOSE ANNULAR 18 SECONDS, WELL SECURE.
	8:00 8:15	0.25		18				PRE JOB SAFETY MEETING (SLIP AND CUT)
	8:15 9:15	1.00		18				SLIP AND CUT DRILLING LINE
	9:15 10:15	1.00		18				STRAP AND DRIFT 3-1/2" DRILL PIPE
	10:15 12:30	2.25		04				PICK UP 3-1/2" DRILL PIPE FROM 7893'-9936'
	12:30 13:15	0.75		08				DISPLACE HOLE WITH 11.0 PPG MUD, NO LCM
	13:15 16:45	3.50		18				DRILLING CEMENT FROM 9,936'-10,058. DRILLED 6' OF NEW HOLE. (TOP OF CEMENT AT 9936', TAGGED PLUG AT 9990', FLOAT COLLAR @ 10,011', TOP OF FLOAT SHOE @ 10,056'
	16:45 18:00	1.25		08				CIRCULATE BOTTOMS UP FOR FIT.
	18:00 19:00	1.00		18				CREW CHANGE & PRE JOB SAFETY MEETING (FIT) PERFORM F.I.T. MUD WEIGHT 11.0 PPG, ADDED SURFACE PRESSURE 2300 PSI. LEAKOFF GRADIENT 0.8, EQUIVALENT MUD WEIGHT 15.4 PPG.
	19:00 0:00	5.00		03			10,173.0	DRILL F/ 10065' TO 10173'.
	0:00 0:15	0.25		06			10,173.0	RIG SERVICE.
	0:15 5:15	5.00		03			10,290.0	DRILLED F/ 10173' TO 10280'. SLIDE F/ 10179' TO 10191'.
	5:15 6:00	0.75		05			10,290.0	CONNECTION & SURVEY TIME.
10/27/2010	6:00 6:15	0.25		18			10,280.0	PRE TOUR SAFETY MEETING ( REVIEW JSA #10, 90' CONNECTIONS)
	6:15 11:15	5.00		03			10,280.0	DRILLING 6-1/8" HOLE FROM 10,280'-10,370'
	11:15 11:45	0.50		06			10,370.0	LUBRICATE RIG, GREASE BLOCKS, TOP DRIVE, DRAW WORKS, SWIVEL. FUNCTION ANNULAR, C/O 18 SECONDS.
	11:45 17:15	5.50		03			10,370.0	DRILLING 6-1/8" HOLE FROM 10,370'-10,465'
	17:15 18:00	0.75		18			10,465.0	ACCUMULATED CONNECTION AND SURVEY TIME
	18:00 18:15	0.25		18			10,465.0	CREW CHANGE & SAFETY MEETING ON CONNECTIONS.
	18:15 5:30	11.25		03			10,610.0	DRILL F/ 10465' TO 10610. SLIDE F/ 10465' TO 10473' & 10560' to 10577'.
	5:30 6:00	0.50		05			10,610.0	ACCUMULATED CONNECTION & SURVEY TIME.
10/28/2010	6:00 6:15	0.25		18			10,610.0	PRE TOUR SAFETY MEETING (90' CONNECTIONS)
	6:15 16:00	9.75		03			10,610.0	DRILLING 6-1/8" HOLE FROM 10,610'-10,750'
	16:00 16:30	0.50		06			10,750.0	LUBRICATE RIG , FUNCTION ANNULAR, 18 SECONDS.
	16:30 17:30	1.00		03			10,750.0	DRILLING FROM 10,750'-10,774.
	17:30 18:00	0.50		18			10,774.0	ACCUMULATED CONNECTION TIME
	18:00 18:15	0.25		18			10,774.0	CREW CHANGE SAFETY MEETING ON LOCK OUT TAG OUT.
	18:15 22:15	4.00		03			10,845.0	DRILL F/ 10774' TO 10845'.
	22:15 22:30	0.25		06			10,845.0	RIG SERVICE,
	22:30 23:45	1.25		03			10,865.0	DRILL F/ 10845' TO 10865'.
	23:45 0:00	0.25		05			10,865.0	ACC. CONNECTION AND SURVEY TIME.
	0:00 5:15	5.25		03			10,955.0	DRILL F/ 10865' TO 10955'. SLIDE F/ 10939' TO 10955'.
	5:15 6:00	0.75		05			10,955.0	ACC. CONNECTIONS AND SURVEY TIME.
10/29/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING (

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	6:15 11:30	5.25		03				DRILLING 6-1/8" HOLE FROM 10,955'-11,034'
	11:30 12:00	0.50		06				LUBRICATE RIG, FUNCTION PIPE RAMS
	12:00 17:00	5.00		03				DRILLING 6-1/8" HOLE FROM 11,034'-11,128'
	17:00 18:00	1.00		05				ACCUMULATED SURVEY AND CONNECTION TIME
	18:00 18:15	0.25		18			11,128.0	CREW CHANGE SAFETY MEETING.
	18:15 23:00	4.75		03			11,204.0	DRILL F/ 11128' TO 11204'. SLIDE F/ 11144' TO 11148', 11160' TO 11179', 11194' TO 11199'.
	23:00 0:00	1.00		05			11,204.0	ACCULATED SURVEY & CONNECTION TIME.
	0:00 1:45	1.75		03			11,225.0	DRILL F/ 11204' TO 11225'. SLIDE F/ 11206' TO 11212'.
	1:45 2:00	0.25		06			11,225.0	RIG SERVICE.
	2:00 5:30	3.50		03			11,275.0	DRILL F/ 11225' TO 11276'.
	5:30 6:00	0.50		05			11,275.0	ACCULATED SURVEY & CONNECTION TIME.
10/30/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING
	6:15 7:15	1.00		08				CIRCULATE BOTTOMS UP, PRE JOB SAFETY MEETING.
	7:15 16:00	8.75		04				TRIP FOR BIT AND BHA CHANGE. FLOW CHECK AT 10,842'.
	16:00 18:00	2.00		05				CHANGE BITS,LAY DOWN TBR'S, MUD MOTOR. PICK UP NEW MUD MOTOR, BEND TO 1.83.
	18:00 18:15	0.25		18			11,277.0	CREW CHANGE SAFETY MEETING.
	18:15 1:15	7.00		04			11,277.0	PU DIRECTIONAL TOOLS & BHA #19 TIH TO 9019'. FILL & FLOW CHECKS.
	1:15 1:30	0.25		06			11,277.0	RIG SERVICE.
	1:30 2:30	1.00		04			11,277.0	TIH F/ 9019' TO 10918'.
	2:30 4:15	1.75		07			11,277.0	WASH & REAM F/ 10918' TO 11277'.
	4:15 6:00	1.75		03			11,277.0	PATTERN BIT & DRILL F/ 11277' TO 11300'. SLIDE F/ 11285' TO 11288'.
10/31/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING ( SETTING CROWN SAVER)
	6:15 13:00	6.75		03				DRILLING 6-1/8" HOLE FROM 11,300'-11,043'
	13:00 13:30	0.50		06				LUBRICATE RIG AND FUNCTION BOP
	13:30 16:30	3.00		03				DRILLING 6-1/8" HOLE FROM 11,043'-11,500'
	16:30 18:00	1.50		18				ACCUMULATED SURVEY AND CONNECTION TIME. PROBLEMS WITH MWD. WORKS INTERMITENTLY.
	18:00 18:15	0.25		18			11,500.0	CREW CHANGE SAFETY MEETING ON WORKING WITH STEAM.
	18:15 23:15	5.00		03			11,590.0	DRILL F/ 11500' TO 11590'. SLIDE F/ 11536' TO 11551'.
	23:15 0:00	0.75		05			11,590.0	ACCUMULATED SURVEY AND CONNECTION TIME. PROBLEMS WITH MWD. WORKS INTERMITENTLY.
	0:00 0:15	0.25		03			11,595.0	DRILL F/ 11590' TO 11595'.
	0:15 0:30	0.25		06			11,595.0	RIG SERVICE.
	0:30 5:30	5.00		03			11,690.0	DRILL F/ 11595' TO 11690'. SLIDE F/ 11595' TO 11615'.
	5:30 6:00	0.50		05			11,690.0	ACCUMULATED SURVEY AND CONNECTION TIME.
11/1/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING ( MANRIDER OPERATIONS)
	6:15 16:00	9.75		03				DRILLING 6-1/8" HOLE FROM 11,690'-11,950' RAISING MUD WEIGHT .1 PPG PER CIRCULATION. SHORT LOOPING SYSTEM THROUGH PIT #1 THEN #5. OIL OVER SHAKERS AT 11,800'.
	16:00 18:00	2.00		18				ACCUMULATED CONNECTION, SURVEY TIME, AND DIRECTIONAL WORK. TOOL NOT PULSING.
	18:00 18:15	0.25		18			11,950.0	CREW CHANGE SAFETY MEETING ON MIXING CHEMICALS.
	18:15 19:30	1.25		03			11,976.0	DRILL F/ 1150' TO 11976'. RAISE MUD WT. F/ 11.7 TO 11.8 PPG. PROBLEMS WITH MWD. WORKS INTERMITENTLY.
	19:30 19:45	0.25		06			11,976.0	RIG SERVICE.
	19:45 23:00	3.25		03			12,020.0	DRILL F/ 11976' TO 12020'. SLIDE F/ 11976' TO 11990'. RAISE MUD WT. F/ 11.8 TO 12.4 PPG. PROBLEMS WITH MWD. WORKS INTERMITENTLY.
	23:00 0:00	1.00		05			12,020.0	ACCUMULATED SURVEY AND CONNECTION TIME. PROBLEMS WITH MWD. WORKS INTERMITENTLY.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	0:00 1:30	1.50		03			12,044.0	DRILL F/ 12020' TO 12044'. NO SLIDE PROBLEMS WITH MWD. WORKS INTERMITTENTLY.
	1:30 2:30	1.00		05			12,044.0	ACCUMULATED SURVEY TIME. PROBLEMS WITH MWD. WORKS INTERMITTENTLY.
	2:30 6:00	3.50		64			12,044.0	CIRCULATE & CONDITION MUD. WORK DRILL STRING. MUD WT. 12.4 PPG TO 12.9 PPG @ 12.7 PPG.
11/2/2010	6:00 6:15	0.25		64				PRE TOUR SAFETY MEETING (
	6:15 10:30	4.25		64				CIRCULATE AND CONDITION MUD. RAISING MUD WEIGHT TO LOWER BACKGROUND GAS. WORKING DRILL PIPE CONSTANTLY. RAISED MUD WEIGHT THROUGHOUT SYSTEM TO 12.9 PPG. SPOTTED 13.1 PILL.
	10:30 18:00	7.50		64				FLOW CHECK, PULL 5 STANDS, FLOW CHECK, PUMP TRIP PILL. TRIP OUT OF HOLE- MWD NOT WORKING.
	18:00 18:15	0.25		64			12,044.0	CREW CHANGE SAFETY MEETING ON TRIPPING IN THE HOLE.
	18:15 19:00	0.75		64			12,044.0	TOOH F/ 690' TO 0'.
	19:00 19:30	0.50		64			12,044.0	CHANGE OUT MWD TOOL.
	19:30 0:45	5.25		64			12,044.0	PU BIT #20 BHA #20 TIH TO 9975' W/ MWD TOOL CHECKS, FLOW CHECKS.
	0:45 1:00	0.25		64			12,044.0	SAFETY MEETING ON SLIP AND CUT DRILL LINE.
	1:00 2:00	1.00		64			12,044.0	SLIP AND CUT 60' OF DRILL LINE.
	2:00 2:15	0.25		64			12,044.0	RIG SERVICE.
	2:15 5:00	2.75		64			12,044.0	TROUBLE SHOOT PASON GAS W/ PASON SERVICE HAND. HAD TO CHANGE OUT BOX BY SHAKERS.
	5:00 6:00	1.00		64			12,044.0	CIRCULATE BOTTOMS
11/3/2010	6:00 6:15	0.25		64				PRE TOUR SAFETY MEETING ( TRIPPING IN THE HOLE)
	6:15 7:00	0.75		64				CIRCULATE BOTTOMS UP. BOTTOMS UP 30-35' FLARE. LARGE AMOUNTS OF PARAFIN OVER SHAKER.
	7:00 8:30	1.50		64				TRIP IN HOLE TO 11,121' AND CIRCULATE BOTTOMS UP, LARGE AMOUNTS OF PARAFIN OVER SHAKER. 30' FLARE BOTTOMS UP.
	8:30 9:00	0.50		64				TRIP IN HOLE
	9:00 11:15	2.25		64				WASH FROM 11886 -12,044'. HOLE PRESSURING UP. LARGE AMOUNTS OF PARAFIN OVER SHAKERS, PULLED 1 STAND OUT OF HOLE, WASH FROM 11,795'. LARGE AMOUNTS OF SAND AND SHALE OVER SHAKERS AT BOTTOMS UP.
	11:15 16:45	5.50		64				DRILLING 6-1/8" HOLE FROM 12,044'-12,074
	16:45 17:15	0.50		06				LUBRICATE RIG. FUNCTION ANNULAR 18 SECONDS.
	17:15 18:00	0.75		18				CHANGE OUT WEIGHT INDICATOR, NOT WEIGHING CORRECTLY.
	18:00 18:15	0.25		60			12,074.0	CREW CHANGE SAFETY MEETING ON SETTING & PULLING SLIPS.
	18:15 20:15	2.00		60			12,074.0	PULL 1 STAND & RACK BACK. WORK PIPE. WORK ON WEIGHT INDICATOR. NOT WEIGHING CORRECTLY.
	20:15 5:00	8.75		03			12,125.0	DRILL F/ 12074' TO 12125'. SLIDE F/ 12088' TO 12103', 12118' to 12119, 12124' to 12125'.
	5:00 6:00	1.00		05			12,125.0	ACCULATED SURVEY TIME.
11/4/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING (
	6:15 10:30	4.25		03				DRILLING 6-1/8" HOLE FROM 12,125'-12,167'. SLIDE FROM 12,134'-12,138'
	10:30 11:00	0.50		06				LUBRICATE RIG, FUNCTION ANNULAR 18 SECONDS
	11:00 11:15	0.25		18				BOP DRILL. FUNCTION HCR, 3 SECONDS. WELL SECURE IN 100 SECONDS.
	11:15 16:30	5.25		03				DRILLING 6-1/8" HOLE FROM 12,167'-12,210' SLIDE FROM 12,171'-12,174'.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	16:30 17:00	0.50		18				WORK ON PUMPS, BOTH PUMPS DOWN. PULLED 1 STAND FOR WORKING ROOM.
	17:00 18:00	1.00		18				ACCUMULATED CONNECTION AND SURVEY TIME, DIRECTIONAL WORK.
	18:00 18:15	0.25		18			12,210.0	CREW CHANGE SAFETY MEETING ON MOUSE HOLE CONNECTIONS.
	18:15 22:00	3.75		03			12,262.0	DRILL ROTATE F/ 12,210' TO 12,662'.
	22:00 22:15	0.25		06			12,262.0	RIG SERVICE.
	22:15 1:00	2.75		03			12,266.0	DRILL SLIDE F/ 12,262' TO 12,266'.
	1:00 1:45	0.75		03			12,276.0	DRILL ROTATE F/ 12,266' TO 12,276'.
	1:45 4:00	2.25		03			12,281.0	DRILL SLIDE F/ 12,275' TO 12,281'.
	4:00 4:30	0.50		03			12,294.0	DRILL ROTATE F/ 12,281' TO 12,294'.
	4:30 6:00	1.50		05			12,294.0	ACCUMULATED SURVEYS & CHECK SHOOT.
11/5/2010	6:00 6:15	0.25		18			12,294.0	PRE TOUR SAFETY MEETING (RIG SERVICE)
	6:15 8:45	2.50		03			12,318.0	DRILLING 6-1/8" HOLE FROM 12,294'-12,318'
	8:45 9:45	1.00		08			12,318.0	CIRCULATE BOTTOMS UP FOR TRIP.
	9:45 18:00	8.25		04			12,318.0	FLOW CHECK, PUMP TRIP PILL, TRIP OUT FOR BIT.
	18:00 18:15	0.25		18			12,318.0	PRE TOUR SAFETY MEETING (TRIPPING IN THE HOLE)
	18:15 19:15	1.00		05			12,318.0	LAY DOWN MOTOR, PICK UP NEW MOTOR. SET AT 1.83 DEG. INSTALL MWD TOOL. MAKE UP SX-35 BIT.
	19:15 22:00	2.75		04			12,318.0	TRIP IN HOLE F/ 0 TO 5027'. TESTED MWD BEFORE PICKING UP JARS.
	22:00 22:45	0.75		08			12,318.0	FLOW CHECK, CIRCULATE BOTTOMS UP AT 5027'.
	22:45 0:00	1.25		04			12,318.0	TRIP IN HOLE F/ 5027' - 8175'.
	0:00 0:45	0.75		04			12,318.0	TRIP IN HOLE F/ 8175' - 10069'.
	0:45 2:15	1.50		08			12,318.0	FLOW CHECK, CIRCULATE BOTTOMS UP AT 10069'
	2:15 2:30	0.25		06			12,318.0	RIG SERVICE. GREASE BLOCKS, TOP DRIVE, DRAWWORKS, FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS.
	2:30 3:15	0.75		04			12,318.0	TRIP IN HOLE F/ 10069' - 11115'
	3:15 3:30	0.25		04			12,318.0	CIRCULATE AND WORK STRING @ 11115'
	3:30 4:45	1.25		04			12,318.0	TRIP IN HOLE F/ 11115' - 11880'
	4:45 6:00	1.25		07			12,318.0	CIRCULATE AND WASH DOWN FROM 11880' - 12318'.
11/6/2010	6:00 6:15	0.25		18			12,318.0	PRE TOUR SAFETY MEETING
	6:15 7:00	0.75		03			12,328.0	DRILLING 6-1/8" HOLE FROM 12,318'-12,328'
	7:00 8:30	1.50		65			12,328.0	BOTH PUMPS DOWN, WORK PIPE AND WORK ON PUMPS.
	8:30 17:15	8.75		03			12,417.0	DRILLING 6-1/8" HOLE FROM 12,328'-12,417'
	17:15 18:00	0.75		05			12,417.0	ACCUMULATED SURVEY, CONNECTION, AND DIRECTIONAL WORK.
	18:00 18:15	0.25		18			12,417.0	PRE TOUR SAFETY MEETING, OPERATING MANLIFT.
	18:15 21:45	3.50		03			12,454.0	DRILL F/ 12414' - 12454'
	21:45 22:15	0.50		06			12,454.0	LUBRICATERIG GREASE BLOCKS, TOP DRIVE, SWIVEL, DRAWWORKS, FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS. MAKE 90' CONNECTION.
	22:15 22:45	0.50		03			12,454.0	SLIDE F/ 12454' - 12460'
	22:45 23:00	0.25		18			12,454.0	ATTEMPT TO WORK PIPE & RACK 1 STAND BACK INTO DERRICK.
	23:00 0:00	1.00		59			12,454.0	PICK UP SINGLE FOR ROOM & WORK STUCK PIPE.
	0:00 6:00	6.00		59			12,454.0	WORK STUCK PIPE - JAR DOWN TO 105 K LB, JAR UP TO 260K LB. STRING WT = 155K LB.
11/7/2010	6:00 6:15	0.25		56			12,454.0	PRE TOUR SAFETY MEETING
	6:15 8:30	2.25		56			12,454.0	JARRING ON STUCK PIPE, 110, 000 TO 250,000.
	8:30 11:00	2.50		56			12,454.0	SPOT 12 BBL. DIESEL/PIPE LAX PILL (9.2 PPG, 48 VISCOSITY, PLASTIC VISCOSITY 19, YIELD POINT 18.) TO BOTTOM OF JARS @ 12,294.48'. WEIGHT INDICATOR READING 150,000.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	11:00 12:00	1.00		56			12,454.0	MOVE PIPE LAX / DIESEL PILL 1 BBL. TOP OF PILL AT 12,225.48'. SLACKED OFF TO 140,000 STRING WEIGHT.
	12:00 13:00	1.00		56			12,454.0	MOVE PIPE LAX / DIESEL PILL 1 BBL. TOP OF PILL AT 12,156.48'. NO FLOW.
	13:00 14:00	1.00		56			12,454.0	MOVE PIPE LAX / DIESEL PILL 1 BBL. TOP OF PILL AT 12,087.48'. NO FLOW.
	14:00 15:00	1.00		56			12,454.0	MOVE PIPE LAX / DIESEL PILL 1 BBL. TOP OF PILL AT 12,018.48'. NO FLOW.
	15:00 16:00	1.00		56			12,454.0	MOVE PIPE LAX / DIESEL PILL 1 BBL. TOP OF PILL AT 11,949.48'. NO FLOW.
	16:00 18:00	2.00		03			12,480.0	PIPE FREE, DRILLING 6-1/8" HOLE FROM 12,454'-12,480'
	18:00 18:15	0.25		18			12,480.0	PRE TOUR SAFETY MEETING - 90' CONNECTIONS
	18:15 23:30	5.25		03			12,550.0	DRILL F/ 12,480' - 12,550'.
	23:30 0:00	0.50		05			12,550.0	SURVEY & CONNECTION TIMES.
	0:00 2:00	2.00		03			12,567.0	DRILL F/ 12,550' - 12,567'. AT 02:00 HR, TIME REVERTED TO 01:00 MOUNTAIN STANDARD TIME FROM MOUNTAIN DAYLIGHT TIME.
	1:00 2:30	1.50		03			12,581.0	DRILL F/ 12,567' - 12,581'
	2:30 2:45	0.25		06			12,581.0	RIG SERVICE. GREASE BLOCKS, TOP DRIVE, SWIVEL, DRAWWORKS, FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS.
	2:45 5:30	2.75		03			12,606.0	DRILL F/ 12,581' - 12,606
	5:30 6:00	0.50		05			12,606.0	SURVEY AND CONNECTION TIME.
11/8/2010	6:00 6:15	0.25		18			12,606.0	PRE TOUR SAFETY MEETING ( PICKING UP DRILL PIPE TO MOUSE HOLE.)
	6:15 10:15	4.00		03			12,645.0	DRILLING 6-1/8" HOLE FROM 12,606'- 12645'
	10:15 11:00	0.75		06			12,645.0	LUBRICATE RIG
	11:00 12:30	1.50		08			12,645.0	CIRCULATE BOTTOMS UP FOR BIT TRIP, WORKING PIPE CONSTANTLY.
	12:30 18:00	5.50		04			12,645.0	FLOW CHECK, PUMP TRIP PILL, BACK REAM FROM 12,600'-12,500'. TRIP OUT OF HOLE FOR BIT.
	18:00 18:15	0.25		18			12,645.0	PRE TOUR SAFETY MEETING
	18:15 20:45	2.50		04			12,645.0	TRIP OUT OF HOLE F/ 2922' - 69' - FLOW CHECK AT 1112' - NO FLOW.
	20:45 21:00	0.25		18			12,645.0	SAFETY MEETING W/ MWD HAND AND CREW.
	21:00 21:15	0.25		05			12,645.0	LAY DOWN MWD TOOL.
	21:15 21:30	0.25		04			12,645.0	TRIP OUT F/ 69' - 0'. BREAK OFF BIT - STX-35: NO CONES ON BIT.
	21:30 22:00	0.50		05			12,645.0	SAFETY MEETING ON LAYING DOWN DIRECTIONAL TOOLS. LAY DOWN DIRECTIONAL TOOLS.
	22:00 0:00	2.00		58			12,645.0	CLEAN RIG FLOOR AND MONITOR TRIP TANK WHILE OUT OF HOLE. WAIT ON WEATHERFORD PERSONNEL W/ TOOLS TO RECOVER CONES. NOTED - FROM 22:15 TO 24:00 - NOTED GAIN OF 0.6 BBL IN TRIP TANK. FLOW APPROX. 1/2 - 1 GAL/ MIN.
	0:00 1:30	1.50		58			12,645.0	WAIT ON WEATHERFORD PERSONNEL W/ TOOLS. MONITOR WELL. LIGHT FLOW
	1:30 1:45	0.25		58			12,645.0	SAFETY MEETING W/ WEATHERFORD PERSONNEL.
	1:45 2:00	0.25		58			12,645.0	MAKE UP REVERSE CIRCULATION JUNK BASKET ON 4 3/4" DRILL COLLARS. DIMENSIONS: 5 3/4" BODY, 6" HEAD. LENGTH: 3.48'
	2:00 4:00	2.00		58			12,645.0	TRIP IN BHA TO 865'
	4:00 6:00	2.00		58			12,645.0	RUN IN HOLE W/ 3 1/2" DRILL PIPE.
11/9/2010	6:00 6:15	0.25		58			12,645.0	PRE TOUR SAFETY MEETING
	6:15 8:00	1.75		58			12,645.0	TRIP IN HOLE TO 5150'

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	8:00 8:15	0.25		58			12,645.0	BREAK CIRCULATION, CIRCULATE
	8:15 8:45	0.50		60			12,645.0	INCIDENT WITH TOP DRIVE, BROKE SPRING ON GRABBER
	8:45 9:45	1.00		58			12,645.0	CIRCULATE BOTTOMS UP
	9:45 10:15	0.50		60			12,645.0	REPAIRS TO GRABBER
	10:15 15:00	4.75		58			12,645.0	TRIP IN HOLE SLOWLY TO 9625'.
	15:00 16:00	1.00		58			12,645.0	BREAK CIRCULATION AT 9625', CIRCULATE BOTTOMS UP. 3000 UNITS, BOTTOMS UP, OIL OVER SHAKERS.
	16:00 18:00	2.00		58			12,645.0	TRIP IN HOLE FROM 9625' - 11474'
	18:00 18:15	0.25		58			12,645.0	PRE TOUR SAFETY MEETING - TRIPPING IN HOLE
	18:15 18:45	0.50		58			12,645.0	TRIP IN HOLE F/ 11474' - 12,101'
	18:45 0:15	5.50		58			12,645.0	CONDITION MUD AND CIRCULATE. WORK STRING WHILE RAISING MUD DENSITY FROM 13.4 LB/GAL TO 13.9 LB/GAL.
	0:15 6:00	5.75		58			12,645.0	CIRCULATE AND WASH FROM 12,101' - 12,430' PROGRESS SLOW AS NUMEROUS TIGHT SPOTS ENCOUNTERED. AT 12,417' RAISED PUMP RATE FROM 80 SPM TO 90 SPM. TORQUE LEVELS DROPPED.
11/10/2010	6:00 6:15	0.25		18			12,645.0	HAND OVER & PRETOUR SAFETY MEETING
	6:15 8:00	1.75		56			12,645.0	CONT. WASH & REAM F/ 12438' - 12641' ( LIGHT REAMING )
	8:00 9:00	1.00		58			12,645.0	CUT 18" CORE WITH REVERSE CIRC. JUNK BASKET
	9:00 10:00	1.00		58			12,645.0	CIRC. RAISE MUD WT. F/ 13.9 PPG TO 14.2 PPG BGG HAS DROPPED F/ 3000 U TO 990 U NO MUD LOSSES TO FORM.
	10:00 13:30	3.50		58			12,645.0	PULL 5 STD'S FLOW CK. PUMP TRIP PILL CONT. POH TAKE REQUIRED FLOW CK'S WELL STATIC. TRIPPED TO 12,097'. FLOW CHECK.
	13:30 14:00	0.50		58			12,645.0	CIRCULATE, MIX 2ND TRIP PILL.
	14:00 18:00	4.00		58			12,645.0	TRIP OUT OF HOLE FROM 12,097' TO 1046'. FLOW CHECKS AT 6248' & 1046'.
	18:00 18:15	0.25		58			12,645.0	HAND OVER & PRE TOUR SAFETY MEETING. PULLING AND SETTING SLIPS.
	18:15 18:45	0.50		58			12,645.0	TRIP OUT FROM 1046' TO 0'.
	18:45 20:15	1.50		58			12,645.0	CLEAN RIG FLOOR, RECOVER JUNK BASKET, WAIT ON ORDERS. ONE FRAGMENT OF CONE WAS RECOVERED - APPROXIMATELY THE SIZE OF A WALNUT.
	20:15 20:45	0.50		58			12,645.0	RIG SERVICE. SET BRAKES.
	20:45 21:00	0.25		58			12,645.0	SAFETY MEETING W/ WEATHERFORD PERSONNEL AND RIG CREW.
	21:00 0:00	3.00		58			12,645.0	MAKE UP MILL, JUNK SUB & BIT SUB WITH NON-PORTED FLOAT. TRIP IN HOLE FROM 0' TO 1820'.
	0:00 1:15	1.25		58			12,645.0	TRIP IN HOLE F/ 1820' TO 5061'.
	1:15 2:00	0.75		58			12,645.0	FLOW CHECK, FILL PIPE AND CIRCULATE AT 5061'.
	2:00 4:15	2.25		58			12,645.0	TRIP IN HOLE F/ 5061' TO 10,018'.
	4:15 6:00	1.75		58			12,645.0	CIRCULATE BOTTOMS UP.
11/11/2010	6:00 6:15	0.25		58			12,645.0	HAND OVER & PRETOUR SAFETY MEETING
	6:15 7:00	0.75		58			12,645.0	SLIP & CUT DRILL LINE
	7:00 8:00	1.00		58			12,645.0	CONT. RIH F/ 10015' - 12000'
	8:00 9:00	1.00		58			12,645.0	WASH & REAM F/ 12000' - 12641' HAD 2' FILL
	9:00 14:00	5.00		58			12,645.0	MILL ON CONES F/ 12641' - 12644' 5 - 12K WT. RPM 70 - 90 TORQUE 5900 - 11486 FT/LBS MUD WT. 14.2PPG VIS 44 YP 29 LCM 15% LAST HR. TORQUE DROPPED OFF ( POSSIBLE INDICATION OF MILL WARING OUT )
	14:00 18:00	4.00		58			12,645.0	POH 5 STD'S FLOW CK. PUMP TRIP PILL CONT. POH WITH MILL TRIP FROM 12,644' TO 4388'. FLOW CHECKS AT 12,612', 12, 166', 6180'.
	18:00 18:15	0.25		58			12,645.0	HAND OVER & PRETOUR SAFETY MEETING. (TRIPPING PIPE)

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	18:15 21:30	3.25		58			12,645.0	TRIP OUT OF HOLE FROM 4388' - 0'. FUNCTION UPPER/ LOWER PIPE RAMS, ANNULAR - 18 SECONDS, BLIND RAMS.
	21:30 22:30	1.00		58			12,645.0	RECOVER MILL, BIT PIECES. WAIT ON ORDERS.
	22:30 23:00	0.50		58			12,645.0	MAKE UP NEW MILL, W/ TWO JUNK SUBS ABOVE IT.
	23:00 0:00	1.00		58			12,645.0	TRIP IN HOLE W/ DRILL COLLARS TO 600'.
	0:00 2:30	2.50		58			12,645.0	TRIP IN HOLE F/ 600' TO 5061'.
	2:30 3:00	0.50		58			12,645.0	FILL PIPE AND CIRCULATE AT 5061'. CIRCULATE THROUGH GAS BUSTER.
	3:00 3:15	0.25		58			12,645.0	BLOW TOP DRIVE AND STANDPIPE W/ AIR BACK TO PITS. CURRENT TEMPERATURE: 19F.
	3:15 6:00	2.75		58			12,645.0	CONTINUE TRIPPING IN HOLE F/ 5061' - 10,000'
11/12/2010	6:00 6:15	0.25		67			12,645.0	HAND OVER & PRETOUR SAFETY MEETING
	6:15 7:15	1.00		58			12,645.0	CIRC. BTMS. UP AT CASG. SHOE 305U GAS
	7:15 8:15	1.00		58			12,645.0	CONT. RIH F/ 10018' - 12013'
	8:15 9:00	0.75		58			12,645.0	WASH FROM 12013' - 12644'
	9:00 12:00	3.00		58			12,649.0	MILL ON JUNK & MAKE 5' NEW HOLE F/ 12644' - 12649' NO NOTICEABLE JUNK ON BTM. WORK JUNK SUBS HAD 1917U GAS ON BTMS. UP FROM 12644' 10' FLARE FOR 30 MIN. BGG 502U MUD WT. 14.2 PPG VIS. 43 YP 27
	12:00 18:00	6.00		58			12,649.0	FLOW CK. PULL 5 STD'S FLOW CK. PUMP TRIP PILL CONT. POH TO 1082' WITH MILL #2 TAKE REQUIRED FLOW CK'S
	18:00 18:15	0.25		58			12,649.0	HAND OVER & PRE TOUR SAFETY MEETING (PIPE SPINNER, TRIPPING IN HOLE)
	18:15 19:00	0.75		58			12,649.0	TRIP OUT F/ 1082' - 0'
	19:00 19:30	0.50		58			12,649.0	RETRIEVE MILL AND 2 JUNK SUBS. FUNCTION TEST BLIND RAMS & UPPER AND LOWER PIPE RAMS.
	19:30 20:00	0.50		58			12,649.0	WAIT ON ORDERS. GET BIT INFORMATION. INSTALL NON-PORTED FLOAT ON BIT SUB.
	20:00 20:30	0.50		58			12,649.0	MAKE UP XR+ MILL TOOTH BIT, BIT SUB AND 2 JUNK SUBS.
	20:30 23:30	3.00		58			12,649.0	TRIP IN HOLE F/ 0' TO 4965'.
	23:30 0:00	0.50		58			12,649.0	FILL DP, BREAK CIRCULATION AT 4965'.
	0:00 2:30	2.50		58			12,649.0	TRIP IN HOLE F/ 4965' - 10010'
2:30 4:00	1.50		58			12,649.0	CIRCULATE BOTTOMS UP. GAS LEVEL PEAKED AT 271 UNITS W/ MUD LOGGER. 6 BARREL GAIN ON BOTTOMS UP.	
4:00 5:00	1.00		58			12,649.0	TRIP IN HOLE F/ 10,010' - 12,013'	
5:00 6:00	1.00		58			12,649.0	WASH AND REAM TO BOTTOM FROM 12, 013'	
11/13/2010	6:00 6:15	0.25		18			12,649.0	HAND OVER & PRETOUR SAFETY MEETING
	6:15 6:30	0.25		04			12,649.0	CONT. W & R F/ 12487' - 12647' ( THIS IS BTM. WITH 5K ON BIT )
	6:30 6:45	0.25		03			12,649.0	WORK BIT & JUNK SUBS ON BTM.
	6:45 13:00	6.25		03			12,677.0	DRILL 6 1/8" HOLE F/ 12647' - 12677' 4.8' / HR. WOB 10 - 20K RPM 75 - 80 PP 2370 PSI GPM 220 TRIP GAS 3536U FROM 12647' - 12649' HAD ABNORMAL TORQUE F/ 3168 - 10377 FT/LBS. THEN TORQUE DROPPED OFF TO 6600 FT/ LBS. & REMAINED STEADY
	13:00 13:15	0.25		06			12,677.0	RIG SER. FUNCTION ANNULAR PREVENTOR C / O 21 SEC'S
	13:15 14:15	1.00		03			12,680.0	DRILL 6 1/8" HOLE F/ 12677' - 12680' PRIOR TO MAKING CONNECTION AT 12677' WORKED JUNK SUBS WITH MUD PUMP ON & OFF NO NOTICEABLE JUNK BELOW BIT AFTER MAKING CONNECTION
	14:15 15:30	1.25		08			12,680.0	CIRC. BTMS. UP MUD WT. 14.2 PPG VIS 43 LCM 15% NO MUD LOSSES TO FORM. CONN. GAS 2443U BGG 319U
	15:30 18:00	2.50		04			12,680.0	FLOW CK PULL 5 STD'S FLOW CK PUMP TRIP PILL CONT. POH F/ 12,680' - 8,250'.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	18:00 18:15	0.25		18			12,680.0	HAND OVER & PRETOUR SAFETY MEETING (POOH)
	18:15 22:30	4.25		04			12,680.0	TRIP OUT FROM 8,250' TO 0'. FLOW CHECKS: 6269', 1178', 0'.
	22:30 23:00	0.50		04			12,680.0	BREAK JUNK SUBS & BIT SUB. LAY DOWN. FUNCTION BLIND & PIPE RAMS.
	23:00 23:30	0.50		18			12,680.0	WAIT ON ORDERS.
	23:30 0:00	0.50		05			12,680.0	PICK UP BIT, MUD MOTOR, MONEL, UBHO, SHOCK SUB. SCRIBE TOOLS.
	0:00 1:30	1.50		05			12,680.0	MAKE UP DIRECTIONAL TOOLS AND SCRIBE.
	1:30 5:30	4.00		04			12,680.0	TRIP IN HOLE to 5027'. FUNCTION MWD TOOL @ 228' & 969'.
	5:30 6:00	0.50		08			12,680.0	FILL PIPE, & CIRCULATE.
	11/14/2010	6:00 6:15	0.25		18		12,680.0	HAND OVER & PRETOUR SAFETY MEETING
	6:15 8:00	1.75		04			12,680.0	CONT. RIH F/ 5029' - 10064'
	8:00 9:30	1.50		08			12,680.0	CIRC. BTMS. UP HAD 304U GAS ON BTMS. UP AT CASG. SHOE
	9:30 10:15	0.75		06			12,680.0	SLIP & CUT DRILL LINE
	10:15 11:00	0.75		04			12,680.0	CONT. RIH F/ 10064' - 11760'
	11:00 11:15	0.25		18			12,680.0	BOP DRILL WELL SECURE IN 80 SEC'S
11:15 12:00	0.75		04			12,680.0	CONT. RIH WASH LAST 3 STD'S TO BTM.	
12:00 17:15	5.25		03			12,885.0	DRILL 6 1/8" HOLE F/ 12680' - 12885' 39.04' / HR. WOB 15K RPM 107 PP 3400 GPM 220 MUD WT. 14.2 PPG VIS. 43 YP 28 BY PASSING SHAKERS SINCE BACK ON BTM. BGG 870U CONN. GAS 1621U HAD 2245U GAS ON BTMS. UP	
17:15 18:00	0.75		05			12,885.0	ACC. CONNECTION & SURVEY TIME	
18:00 18:15	0.25		18			12,885.0	HAND OVER & PRETOUR SAFETY MEETING. (CONNECTIONS)	
18:15 23:15	5.00		03			13,000.0	DRILL 6 1/8" HOLE F/ 12885' - 13000' 23.0' / HR. WOB 15K RPM 50/107 PP 3400 GPM 220 RAISE MUD WT. 14.2 TO 14.5 PPG VIS. 43 YP 28 BY PASSING SHAKERS SINCE BACK ON BTM. BGG 895 - 2729U CONN. GAS 2051U WHEN GAS LEVELS CLIMBED OVER 2000U, STARTED RAISING MUD DENSITY FROM 14.2 LB/GAL. BOP DRILL - 1 MIN 20 SECONDS - ALL HANDS IN PLACE. INCLINATION DROPPED TO 1.7 DEG/ 227.7 AZI, SO SLIDE WAS CONDUCTED. DIRECTIONAL DRILLER HAD DIFFICULTY CONTROLLING TOOL FACE DIRECTION, GIVEN THE MT-1355 BIT DESIGN TOGETHER WITH FORMATION. ROTATE FROM 12,888' - 12,939'. SLIDE FROM 12,939' - 12,963'. ROTATE FROM 12,963' - 12,980'. SLIDE FROM 12,980' - 13,000'	
23:15 0:00	0.75		05			13,000.0	ACC. CONNECTION & SURVEY TIME.	
0:00 1:00	1.00		03			13,026.0	DRILL 6 1/8" HOLE F/ 13,000' - 13,026'. ROTATE F/ 13,000' - 13,026'.	
1:00 1:30	0.50		06			13,026.0	RIG SERVICE. FUNCTION TEST ANNULAR.	
1:30 5:45	4.25		03			13,095.0	DRILL 6 1/8" HOLE F/ 13,026' - 13095' 16.23.0' / HR. WOB 5 - 15K RPM 50/107 PP 3400 GPM 220 MUD WT. 14.5 TO 14.7 PPG VIS. 44 BY PASSING SHAKERS SINCE BACK ON BTM. BGG 1111U TO 664U AS MUD DENSITY INCREASED. CONN. GAS 2300U AT 13,043'. ROTATE FROM 13,026' - 13,040', SLIDE FROM 13,040' - 13,052'. ROTATE F/ 13,052' - 13,095'	
5:45 6:00	0.25		05			13,095.0	SURVEY & CONNECTION TIME.	
11/15/2010	6:00 6:15	0.25		18		13,090.0	HAND OVER & PRETOUR SAFETY MEETING	
6:15 11:00	4.75		03			13,108.0	DRILL 6 1/8" HOLE F/ 13095' - 13118' ( SLIDE F/ 13090' - 13108' ) UNABLE TO MAINTAIN TOOL FACE WITH ANY MORE WT. THAN 4K ON BIT SLIDING AT 4' / HR. ROTATING AT 24 - 26' /HR.	
11:00 11:15	0.25		06			13,108.0	RIG SER. FUNCTION ANNULAR PREVENTOR C / O 24 SEC'S	
11:15 17:30	6.25		03			13,188.0	DRILL 6 1/8" HOLE F/ 13118' - 13,188' ( SLIDE F/ 13130' - 13144' )	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	17:30 18:00	0.50		05			13,188.0	SURVEY & CONNECTION TIME.
	18:00 18:15	0.25		18			13,188.0	PRE TOUR SAFETY MEETING & HANDOVER (MANRIDER OPERATIONS)
	18:15 22:30	4.25		03			13,248.0	DRILL 6 1/8" HOLE F/ 13188' - 13248'. NO SLIDES. WEIGHT ON BIT: 15K. RATE OF PENETRATION: 14.12 FT/HR.
	22:30 23:00	0.50		06			13,248.0	RIG SERVICE. FUNCTION PIPE RAMS.
	23:00 23:30	0.50		03			13,260.0	DRILL 6 1/8" HOLE F/ 13248' - 13,260'. NO SLIDES. WEIGHT ON BIT: 15K.
	23:30 0:00	0.50		05			13,260.0	CONNECTION AND SURVEY TIME.
	0:00 5:45	5.75		03			13,318.0	DRILL 6 1/8" HOLE F/ 13,260' - 13,318'. NO SLIDES. WEIGHT ON BIT: 15K. RATE OF PENETRATION: 10.0 FT/HR.
11/16/2010	6:00 6:15	0.25		18			13,318.0	HAND OVER & PRETOUR SAFETY MEETING
	6:15 10:30	4.25		03			13,372.0	DRILL 6 1/8" HOLE F/ 13318' - 13372' 12.70' / HR. WOB 15K RPM 116 PP 3150 GPM 214 MUD WT. 14.7 PPG VIS 43 BGG 137U CONN. GAS 721U
	10:30 10:45	0.25		06			13,372.0	RIG SER. FUNCTION UPPER & LOWER PIPE RAMS C / O 4 SEC'S
	10:45 17:30	6.75		03			13,468.0	DRILL 6 1/8" HOLE F/ 13372' - 13468' 14.22' / HR. WOB 15K RPM 116 PP 3150 GPM 214 MUD WT. 14.7 PPG VIS 43 BGG 138U CONN GAS 904U @ 13440' 10% SANDSTONE 10% SILTSTONE 80% SHALE LOST 16 BBLs. MUD TO FORM. LAST 12 HRS.
	17:30 18:00	0.50		05			13,468.0	ACC. SURVEY & CONNECTION TIME
	18:00 18:15	0.25		18			13,468.0	HAND OVER & PRETOUR SAFETY MEETING (WORKING W/ STEAM)
	18:15 20:30	2.25		03			13,501.0	DRILL 6 1/8" HOLE F/ 13468' - 13501'.
	20:30 21:00	0.50		06			13,501.0	RIG SERVICE. FUNCTION ANNULAR - 18 SECONDS.
	21:00 23:45	2.75		03			13,545.0	DRILL 6 1/8" HOLE F/ 13501' - 13545' 16.0' / HR. WOB 15K RPM 106 PP 3200 GPM 214 MUD WT. 14.7 PPG VIS 45 BGG 56U CONN. GAS 525U @ 13,500'
	23:45 0:00	0.25		05			13,545.0	CONNECTION & SURVEY
	0:00 5:45	5.75		03			13,606.0	DRILL 6 1/8" HOLE F/ 13545' - 13606' 10.61' / HR. WOB 15K RPM 106 PP 3200 GPM 214 MUD WT. 14.7 PPG VIS 45 BGG 35U 40% SANDSTONE TR SILTSTONE 40% SHALE LOST 6 BBLs. MUD TO FORM. LAST 12 HRS.
	5:45 6:00	0.25		05			13,606.0	CONNECTION & SURVEY
11/17/2010	6:00 6:15	0.25		18			13,606.0	HAND OVER & PRETOUR SAFETY MEETING
	6:15 12:45	6.50		03			13,700.0	DRILL 6 1/8" HOLE F/ 13606' - 13700' 14.46' / HR. WOB 17K RPM 107 PP 3160 PSI GPM 214 MUD WT. 14.7 PPG VIS 48 WL 16 YP 34 BGG 42U CONN. GAS 128U @ 85% SHALE 15% SANDSTONE TRACE OF SILTSTONE
	12:45 13:00	0.25		05			13,700.0	ACC. SURVEY & CONNECTION TIME
	13:00 14:30	1.50		08			13,700.0	CIRC. BTMS. UP
	14:30 18:00	3.50		04			13,700.0	FLOW CK. PULL 5 STD'S FLOW CK. PUMP TRIP PILL CONT. POH TO CASG. SHOE FIRST 7 STD'S HAD 30 - 40K OVER PULL THEN HAD A COUPLE OF TIGHT SPOTS AT 12326' & 12183' HAD 30 - 40K OVERPULL REST OF TRIP UP TO CASG. SHOE WAS GOOD RAN BACK IN HOLE TO 12146'
	18:00 18:15	0.25		18			13,700.0	HAND OVER & PRETOUR SAFETY MEETING. (TRIPPING PIPE)
	18:15 21:00	2.75		07			13,700.0	TRIP IN HOLE, WASH AND REAM LAST 17 STANDS TO BOTTOMF/ 12156' - 13700'

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	21:00 0:00	3.00		08			13,700.0	CIRCULATE PRIOR TO COMING OUT TO LOG. WHILE CIRCULATING TRIP GAS ON BOTTOMS UP WAS 5048U. LEVEL DROPPED THEN A 2ND PEAK ARRIVED AT 2205U. GAS THEN STAYED AT APPROX. 800 - 900. COMMENCED MIXING BARITE TO RAISE DENSITY TO 15.3 LB/GAL TO CONTROL GAS LEVELS.
	0:00 6:00	6.00		08			13,700.0	CIRCULATE, RAISE DENSITY PRIOR TO COMING OUT TO LOG. BACKGROUND GAS LEVEL AT 14.8 LB/GAL -739U. AT 15.2 LB/GAL - 438U AT 15.4 LB/GAL - 375U
11/18/2010	6:00 6:15	0.25		18			13,700.0	HAND OVER & PRETOUR SAFETY MEETING
	6:15 13:30	7.25		04			13,700.0	FLOW CK PULL 5 STD'S FLOW CK PUMP TRIP PILL CONT. POH TO LOG ( MEASURE OUT ) TAKE REQUIRED FLOW CK'S HOLE COND. GOOD ON TRIP OUT HOLE FILL ACT. 101.5 BBLs. CAL. 81.2 BBLs. DIFF. + 20.3 BBLs.
	13:30 14:15	0.75		04			13,700.0	LAY DOWN DIRECTIONAL TOOLS FLOW CK. OOH WELL STATIC FUNCTION BLIND RAMS C / O 4 SEC'S
	14:15 18:00	3.75		11			13,700.0	RIG IN HALLIBURTON HOLD SAFETY MEETING RUN QUAD COMBO ( GR - DSNT - SDLT - BSAT - ACR+ ) LOGGERS TD @ 13683' RAN LOG F/ BTM. TO CASG. SHOE AT 10058' ON BTM. AT 1715 HRS. NO TIGHT SPOTS ENCOUNTERED
	18:00 18:15	0.25		18			13,700.0	PRE TOUR SAFETY MEETING (RUNNING LOGS)
	18:15 21:30	3.25		11			13,700.0	WIRELINE LOGS W/ HALLIBURTON. LOGS PULLED TIGHT COMING OUT AT 11,439' & 11, 189'. HAD TO CLOSE CALIPERS AND LOWER TOOL DOWN, THEN RAISE TOOL TO MOVE PAST SECTIONS WITH LARGER WASHOUT THAN THE AVERAGE SECTION OF WELL.
	21:30 0:00	2.50		04			13,700.0	MAKE UP BIT, BIT SUB, AND BHA FOR CLEAN-OUT TRIP. RUN IN TO 963'. FILL PIPE, BLOW TOP DRIVE.
	0:00 2:30	2.50		04			13,700.0	TRIP IN HOLE F/ 963' TO 5060'.
	2:30 3:00	0.50		04			13,700.0	FILL PIPE, BLOW TOP DRIVE.
	3:00 5:30	2.50		04			13,700.0	TRIP IN HOLE F/ 5060' - 10010'
	5:30 6:00	0.50		08			13,700.0	FILL PIPE AND CIRCULATE BOTTOMS UP.
11/19/2010	6:00 6:15	0.25		18				HAND OVER & PRETOUR SAFETY MEETING
	6:15 7:00	0.75		08				CIRC. BTMS. UP HAD 153U GAS ON BTMS. UP FROM CASG. SHOE
	7:00 9:15	2.25		04				CONT. TRIP IN HOLE F/ 10010' - 13415' WASH LAST 285' TO BTM.
	9:15 13:00	3.75		08				CIRC. COND. MUD & HOLE AFTER BEING ON BTM. FOR 30 MIN. HOLE STARTED TAKING MUD SOON AS LOSSES WERE DETECTED, STARTED GOING DOWN HOLE WITH SAWDUST AT 2 SX / MIN. LOSSES STARTED DECREASING SOON AS FRESH LCM STARTED COMING UP THE ANNULUS AFTER 1 HR. WELL WAS STATIC LOST 81 BBLs. BEFORE LOSSES STOPPED BTMS. UP GAS 2290U HAD 2 -10' FLARES FOR 20 MIN. BGG 455U MUD WT. 15.4 PPG VIS 50 LCM 20%
	13:00 18:00	5.00		04				FLOW CK. PULL 5 STD'S FLOW CK PUMP TRIP PILL CONT. POH AT 6400' STRING STARTED PULLING WET UNABLE TO BRK. CIRC. CONT. POH WITH PLUGGED DRILL STRING
	18:00 18:15	0.25		18				CREW CHANGE. SAFETY MEETING ON POOH.
	18:15 0:30	6.25		04				POOH F/ 5742' TO BIT. LD BHA. W/ FLOW CHECKS, DRILL STRING PLUGGED.
	0:30 2:00	1.50		12				SAFETY MEETING ON RUNNING CASING. RU FRANKS.
	2:00 6:00	4.00		12				PU RUN 4-1/2" CASING @ 1148'.
11/20/2010	6:00 6:15	0.25		18				PRE TOUR SAFETY MEETING (RUNNING CASING)
	6:15 9:45	3.50		12				PICK UP 4-1/2" LINER

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	9:45 10:00	0.25		18				PRE JOB SAFETY MEETING (PICKING UP VERSAFLEX LINER HANGER AND RIG DOWN POWER TONGS)
	10:00 11:00	1.00		12				PICK UP LINER HANGER AND INSTALL ROTATING HEAD
	11:00 11:15	0.25		08				CIRCULATE THROUGH LINER HANGER (DISPLACE VOLUME OF LINER AND CIRCULATE BOTTOMS UP)
	11:15 16:30	5.25		12				TRIP IN HOLE WITH 3-1/2" DRILL PIPE FROM 3942'-6722' FILLING DRILL PIPE AND BREAKING CIRCULATION EVERY 10 STANDS.
	16:30 18:00	1.50		08				BREAK CIRCULATION @ 10,026' AND CIRCULATE BOTTOMS UP. CHANGE OVER MEETING.
	18:00 18:15	0.25		18				CREW CHANGE. SAFETY MEETING ON TIH.
	18:15 23:00	4.75		12				TIH WITH 3-1/2" DRILL PIPE FROM 10,026' - 13,700' FILLING DRILL PIPE AND BREAKING CIRCULATION EVERY 10 STANDS. WASH DOWN LAST 4 STANDS.
	23:00 2:00	3.00		08				CIRCULATE 2 BOTTOMS UP & WORK PIPE.
	2:00 5:00	3.00		68				CIRCULATE & WORK PIPE. WAIT ON SCHLUMBERGER (HOT SHOT CEMNET FROM GRAND JUNCTION) TO LOCATION.
	5:00 6:00	1.00		14				SAFETY MEETING. CEMENT 4-1/2" PRODUCTION CASING.
11/21/2010	6:00 6:15	0.25		18			PRE TOUR SAFETY MEETING (CEMENTING LINER)	
	6:15 8:15	2.00		14			PRESSURE TEST LINES TO 9,000 PSI. CEMENT 4-1/2" LINER TO 13,686' KB. - 13,669' GL SETTING DEPTH, 3856' OF 4-1/2" CASING (TOP OF LINER 9798.88 KB AND 9781.88 GL) WITH 30 BBLs. OF 16 PPG MUDPUSH II (1/2# CEMNET PER BBL), 333 SACKS (108 BBLs) OF 17.0 PPG CLASS "G" PLUS ADDITIVES (2# PER BBL CEMNET). DISPLACED WITH 10 BBLs. OF RETARDED FLUID, 40 BBLs. OF WATER, 10 BBLs. OF MUDPUSH II, AND 65.2 BBLs. OF DRILLING MUD. WIPER PLUG BUMPED AT 08:15, FINAL PRESSURE 3700 PSI, PRESSURED TO 4200 PSI, HELD FOR 10 MINUTES, BLED OFF, FLOWED BACK 2 BBLs, FLOATS HELD.	
	8:15 9:00	0.75		18			DROP TRIP BALL, SPACE OUT 9' ABOVE FLOOR. RUPTURE DISC, PUMPED 2.4 BBLs. INCREASED RATE TO 4 BPM, SEATED BALL, SLOW RATE TO 1/2 BPM, EXPAND LINER, MAXIMUM PRESSURE 5800, 6000, AND 6300 PSI. PERFORMED PULL TEST, 100,000 OVER STRING WEIGHT (140,000 TO 240,000) LINER SET. SET DOWN 70,000# TO RELEASE LINER, PULL UP THROUGH LINER WITH SETTING TOOL, NO OVERPULL SEEN THROUGH ELEMENTS. STARTED CIRCULATING AT 25' OUT.	
	9:00 11:00	2.00		08			CIRCULATE BOTTOMS UP X2. CIRCULATED 15 BBLs. OF CEMENT TO SURFACE.	
	11:00 11:45	0.75		18			PERFORM POSITIVE TEST 1500 PSI FOR 30 MINUTES. OK.	
	11:45 13:30	1.75		08			DISPLACED HOLE WITH FRESH WATER FOR NEGATIVE TEST (FROM 15.3 PPG MUD TO 8.32 PPG FRESH WATER) FLOW CHECK FOR 10 MINUTES, HOLE STATIC.	
	13:30 15:00	1.50		15			RIG OUT CEMENTERS AND LAY DOWN CEMENT HEAD.	
	15:00 18:00	3.00		04			LAY DOWN 3-1/2" DRILL PIPE.	
	18:00 18:15	0.25		18			CREW CHANGE. SAFETY MEETING ON LAYING DOWN PIPE.	
	18:15 6:00	11.75		04			LAY DOWN 3-1/2" DRILL PIPE. SEND 320 BBLs MUD FROM RIG PITS TO PD 404. CLEAN RIG PITS.	
11/22/2010	6:00 6:15	0.25		18			PRE TOUR SAFETY MEETING (NIPPLE DOWN BOP EQUIPMENT)	
	6:15 6:45	0.50		04			LAY DOWN 3-1/2" DRILL PIPE.	
	6:45 7:15	0.50		18			LAY DOWN 3-1/2" HANDLING EQUIPMENT	
	7:15 8:00	0.75		18			RIG UP WIRELINE TO SET RETREIVEABLE BRIDGE PLUG.	
	8:00 10:45	2.75		18			RUN IN HOLE WITH WIRELINE AND SET BRIDGE PLUG. TOP OF BRIDGE PLUG AT 2,000' GROUND LEVEL. 2017' KB. PRESSURE TEST PLUG WITH RIG PUMP TO 1500 PSI AND HELD FOR 10 MINUTES. OK.	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	10:45 14:15	3.50		15				CHANGE PIPE RAMS FROM 3-1/2" TO 4-1/2".
	14:15 14:30	0.25		18				PRE JOB SAFETY MEETING ON NIPPLING DOWN BOPE.
	14:30 18:00	3.50		15				NIPPLE DOWN BOPE.
	18:00 18:15	0.25		18				CREW CHANGE. SAFETY MEETING ON NIPPLE DOWN STACK.
	18:15 23:30	5.25		01				NIPPLE DOWN, BOP, HYDRILL, DOUBLE GATE AND SINGLE GATE.
	23:30 1:30	2.00		01				NIPPLE UP TUBING HEAD & NIGHT CAP. PRESSURE TEST TUBING HEAD TO 5,000 PSI FOR 10 MIN.
	1:30 6:00	4.50		01				SAFETY MEETING ON RIGGING DOWN TOP DRIVE. RIG DOWN TOP DRIVE. RIG RELEASED @ 0600 HRS.

## 1 General

### 1.1 Customer Information

Company	WESTERN
Representative	
Address	

### 1.2 Well Information

Well	HURLEY 2-33A1		
Project	ALTAMONT FIELD	Site	HURLEY 2-33A1
Rig Name/No.	NABORS DRILLING/919, BASIC/1657, PEAK/700 *	Event	COMPLETION LAND
Start Date	12/1/2010	End Date	4/27/2011
Spud Date	4/7/2010	UWI	033-001-S 001-W 30
Active Datum	GROUND LEVEL @5,220.0ft (above Mean Sea Level)		
Afe No./Description	140746 / COMPLETE WASATCH WELL		

## 2 Summary

### 2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
12/3/2010	6:00 9:00	3.00		06				HSM JSA TOPIC; ROADING RIG....ROAD FROM THE UTE TRIBAL 1-33Z2
	9:00 12:00	3.00		10				MIRU NU BOPE MOVE IN CAT WALK & TBG TALLY TOP ROW
	12:00 14:00	2.00		04				PU RETRIEVING TOOL TIH PU 65 JTS OF 2 7/8" TBG TO 2017' RETRIEVE RBP TOH w 2 7/8" TBG LD PLUG
	14:00 17:30	3.50		04				PU 3 5/8" MILL 2-3 1/2" JUNK BASKET 2 3/8" REG X 2 3/8" PAC BIT SUB 6-2 7/8" DRILL COLLARS 2 3/8" PAC X 2 3/8" EUE 8RD XO 2 3/8" PSN 117 JTS OF 2 3/8" N-80 8RD TBG CHANGE HANDLING TOOLS 2 3/8" X 2 7/8" XO 20 JTS OF 2 7/8" N-80 8RD TBG EOT 4520' SECURE WELL SDFN
	17:30 18:30	1.00						CREW TRAVEL FROM LOC
12/4/2010	6:00 7:00	1.00		06				CREW TRAVEL TO LOC HSM JSA TOPIC; PICKING UP TBG
	7:00 14:30	7.50		04				CONT TIH PU 278 JTS OF 2 7/8" TBG TTL OF 298 JTS OF 2 7/8" TBG 117 JTS OF 2 3/8" TBG TAG @ 13516'
	14:30 21:30	7.00		13				RU POWER SWIVEL ESTABLISH CRIC...LCM IN RETURNS C/O TO FLOAT COLLAR @ 13542' DRILL FLOAT COLLAR CRIC CLEAN TOH w 20 JTS SECURE WELL SDFN
	21:30 22:30	1.00		06				CREW TRAVEL FROM LOC
12/5/2010	6:00 7:00	1.00		06				CREW TRAVEL TO LOC HSM JSA TOPIC; PU POWER SWIVEL
	7:00 16:30	9.50		13				PU POWER SWIVEL ESTABLISH CRIC CONT DRILLING @ 13542' C/O TO 13657' CRIC WELL CLEAN w 2% KCL RD POWER SWIVEL
	16:30 18:30	2.00		04				SOH LD 96 JTS OF 2 7/8" TBG EOT 11125' SECURE WELL SDFN
	18:30 19:30	1.00		06				CREW TRAVEL FROM LOC
12/6/2010	6:00 7:00	1.00		06				CREW TRAVEL TO LOC HSM JSA TOPIC; LAYING DOWN TBG
	7:00 12:30	5.50		04				FINISH TOH LAYING DOWN 2 7/8" TBG CHANGE HANDLING TOOLS FINISH LAYING DOWN 2 3/8" TBG LD C/O ASSEMBLY
	12:30 14:00	1.50		06				RDMO TO SIDE OF LOC
	14:00 20:30	6.50		11				MIRU WIRELINE TIH w 3.50 GUIGE RING TO 13635' TOH LD GUIGE RING RIH w CBL LOGGING TOOLS TO 13635' LOG UP TO 4750' TOC @ 5370' RD WIRELINE SECURE WELL SDFN
12/7/2010	7:00 17:30	10.50		01			MOVE IN FRAC TANKS & FILL	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	10:00 13:00	3.00		09				RU QUICK TEST...TEST BOPE WELL HEAD AND CSG TO 9000 PSI TEST GOOD SECURE WELL
	13:00 14:30	1.50		15				RU FLOW BACK EQUIPMENT
12/8/2010	7:00 15:00	8.00		21				CONT MOVING IN & FILLING FRAC TANKS
	9:00 13:00	4.00		11				HSM JSA TOPIC; PERFORATING...RU WIRELINE w LUBRICATOR TIH w 2 3/4" HSC 15 gm CHARGES, 3JSPF 120 PHASING PRESSURE CSG TO 1000 PSI PERFORATE STAGE 1 PRESSURE LOST 300 PSI BLED OFF WELL TOH LD GUN RD WIRELINE
12/9/2010	7:00 19:00	12.00		21				HSM JSA TOPIC; HEATING TANKS...RU HOT OIL TRUCKS HEAT FRAC TANKS
	13:00 17:00	4.00		21				MIRU STINGER MOVE IN RIG UP BJ SERVICES ON WELL...SPOT IN EQUIPMENT
12/10/2010	6:00 8:00	2.00		21				HSM JSA TOPIC; RIGGING UP...FINISH RIG UP BJ SERVICES HSM JSA TOPIC; FRACTURING
	8:00 10:00	2.00		21				STAGE 1... TEST PMP & LINES TO 8250 PSI OPEN WELL 90 PSI...BRAKE DWN @ 7471 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLS PASS BTM PERF w 454 BBLS ISDP 7146 PSI 5 MIIN 7007 PSI 10 MIN 6990 PSI 15 MIN 6975 PSI FG .97 MAX RATE 17.8 AVE RATE 14.5 MAX PRESSURE 7867 PSI AVE PRESSURE 7564 PSI
	10:00 13:00	3.00		21				FRAC STAGE 1...OPEN WELL 6907 PSI STG PAD STG 6500# OF 100 MESH STG SPACER CUT X-LINK FLUSH WELL w 460 BBLS ISDP 7278 PSI MAX PRESSURE 8191 PSI AVE PRESSURE 7975 PSI MIN PRESSURE 7111 PSI INJECTION RATE TREATING FLUID 18.6 BPM FLUSH 3.3 BPM TURN OVER TO WIRELINE
	13:00 15:00	2.00		11				STG 2...TIH w 4 1/2" CFP SET @ 13240' TEST PLUG TEST GOOD PERFORATE STG 2 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-10 13218 - 13075 TOH w WIRELINE
	15:00 17:00	2.00		21				STAGE 2... TEST PMP & LINES TO 8250 PSI OPEN WELL 7009 PSI...BRAKE DWN @ 7666 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLS PASS BTM PERF w 425 BBLS ISDP 7055 PSI 5 MIIN 6982 PSI 10 MIN 6959 PSI 15 MIN 6943 PSI FG .97 MAX RATE 22 BPM AVE RATE 21.8 BPM MAX PRESSURE 8191 PSI AVE PRESSURE 7910 PSI
	17:00 18:30	1.50		21				FRAC STAGE 2...OPEN WELL 6917 PSI PMP PAD STG 100 MESH STG SPACER STG 1# STG FLUSH...AS PER JORDAN NELSON STG PAD STG 1# STG 2# STG 3# STG FLUSH w 410 BBLS PMP TTL OF 82000# @ 32 BPM 8014 PSI ISDP 7292 PSI 5 MIN 7099 PSI 10 MIN 7035 PSI 15 MIN 6999 PSI MAX PRESSURE 8168 PSI AVE PRESSURE 7818 PSI MIN PRESSURE 7500 PSI MAX RATE 32 BPM AVE RATE 27 BPM TURN OVER TO WIRELINE
	18:30 23:00	4.50		11				STG 3...TIH w 4 1/2" CFP ATTEMPT TO SET @ 13050' FAILED PERFORATED OFF DEPTH ( OPEN HOLE DEPTH 13032 - 13035...CASED HOLE DEPTH 13030.5 - 13033.5) TOH w SETTING TOOL & GUN...TIH w 4 1/2" CFP SET @ 13050' TEST PLUG TEST GOOD..PERFORATE STG 3 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-10 13007 - 12844... TOH w WIRELINE SECURE WELL SDFN
	12/11/2010	6:30 7:30	1.00		21			HSM JSA TOPIC; PRESSURE PREPARE TO FRAC

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	7:30 8:30	1.00		21				STAGE 3... HSM TEST PMP & LINES TO 8278 PSI OPEN WELL 6290 PSI...BRAKE DWN @ 8011 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLS PASS BTM PERF w 419 BBLS ISDP 6349 PSI 5 MIIN 6258 PSI 10 MIN 6252 PSI 15 MIN 6249 PSI FG .92 MAX RATE 30.2 AVE RATE 19.7 MAX PRESSURE 8248 PSI AVE PRESSURE 7545 PSI
	8:30 10:00	1.50		21				FRAC STG 3 STARTING PSI 6290 PSI STG PAD STG 100 MASH STG PAD STG 1# WENT LONG ON 1# TO ESTABLISH BETTER RATE STG 2# STG 3# TSG 4# FLUSH w 408 BBLS TTL OF 93880 LBS OF PROP ISDP 6949 PSI 5 MIN 6687 PSI 10 MIN 6571 PSI 15 MIN 6526 PSI MAX RATE 39.6 AVE RATE 32.7 PSI MAX PRESSURE 8198 PSI AVE PRESSURE 7875 PSI TURN WELL OVER TO WIRELINE
	10:00 11:30	1.50		11				STG 4...TIH w 4 1/2" CFP SET @ 12800' TEST PLUG TEST GOOD PERFORATE STG 4 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-10 12780 - 12612 TOH w WIRELINE
	11:30 12:00	0.50		21				STAGE 4... HSM TEST PMP & LINES TO 8280 PSI OPEN WELL 5890 PSI...BRAKE DWN @ 6146 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLS PASS BTM PERF w 416 BBLS ISDP 6099 PSI 5 MIIN 5924 PSI 10 MIN 5866 PSI 15 MIN 5866 PSI FG .92 MAX RATE 36.6 AVE RATE 37.4 MAX PRESSURE 7545 PSI AVE PRESSURE 7327 PSI
	12:00 13:30	1.50		21				FRAC STG 4 STARTING PSI 5866 PSI STG PAD STG 100 MASH STG PAD STG 1# STG 2# STG 3# TSG 4# FLUSH w 404 BBLS ISDP 6249 PSI 5 MIN 6052 PSI 10 MIN 5979 PSI 15 MIN 5949 PSI MAX RATE 42.8 AVE RATE 36.1 PSI MAX PRESSURE 8213 PSI AVE PRESSURE 7974 PSI TURN WELL OVER TO WIRELINE
	13:30 14:30	1.00		11				STG 5...TIH w 4 1/2" CFP SET @ 12550' TEST PLUG TEST GOOD PERFORATE STG 5 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-10 12525 - 12360 TOH w WIRELINE
	14:30 15:00	0.50		21				STAGE 5...HSM TEST PMP & LINES TO 8296 PSI OPEN WELL 5423 PSI...BRAKE DWN @ 5663 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLS PASS BTM PERF w 413 BBLS ISDP 5509 PSI PRESSURE BLEED OFF BELOW OPENING PRESSURE START FRAC FG .88 MAX RATE 35.5 AVE RATE 32.3 MAX PRESSURE 7262 PSI AVE PRESSURE 6959 PSI
	15:00 16:30	1.50		21				FRAC STG 5 STARTING PSI 5330 PSI STG PAD STG 100 MASH STG PAD STG 1# STG 2# STG 3# TSG 4# FLUSH w 400 BBLS ISDP 6029 PSI 5 MIN 5896 PSI 10 MIN 5787 PSI 15 MIN 5703 PSI MAX RATE 54.9 AVE RATE 49.7 PSI MAX PRESSURE 8000 PSI AVE PRESSURE 7229 PSI TURN WELL OVER TO WIRELINE
	16:30 18:00	1.50		11				STG 6...TIH w 4 1/2" CFP SET @ 12340' TEST PLUG TEST GOOD PERFORATE STG 6 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-10 12311 - 12105 TOH w WIRELINE SECURE WELL SDFN
12/12/2010	6:00 7:30	1.50		21				STAGE 6... HSM TEST PMP & LINES TO 8230 PSI OPEN WELL 4746 PSI...BRAKE DWN @ 5948 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLS PASS BTM PERF w 410 BBLS ISDP 5615 PSI 5 MIIN 5401 PSI 10 MIN 5264 PSI 15 MIN 5144 PSI FG .89 MAX RATE 38 AVE RATE 27.5 MAX PRESSURE 7382 PSI AVE PRESSURE 6711 PSI

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	7:30 8:30	1.00		21				FRAC STG 6 STARTING PSI 5144 PSI STG PAD STG 100 MASH STG PAD STG 1# STG 2# STG 3# TSG 4# FLUSH w 397 BBLS ISDP 6560 PSI 5 MIN 6131 PSI 10 MIN 5947 PSI 15 MIN 5840 PSI MAX RATE 58.7 AVE RATE 53.8 PSI MAX PRESSURE 8170 PSI AVE PRESSURE 7507 PSI TURN WELL OVER TO WIRELINE
	8:30 9:30	1.00		11				STG 7...TIH w 4 1/2" CFP SET @ 12096' TEST PLUG TEST GOOD PERFORATE STG 7 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-11946 - 12090 TOH w WIRELINE
	9:30 10:30	1.00		21				STAGE 7... HSM TEST PMP & LINES TO 8280 PSI OPEN WELL 5234 PSI...BRAKE DWN @ 6350 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLS PASS BTM PERF w 407 BBLS ISDP 5382 PSI 5 MIIN 5267 PSI 10 MIN 5228 PSI FG .88 MAX RATE 37.6 AVE RATE 27.2 MAX PRESSURE 7824 PSI AVE PRESSURE 6894 PSI
	10:30 11:30	1.00		21				FRAC STG 7 STARTING PSI 5110 PSI STG PAD STG 100 MASH STG PAD STG 1# STG 2# STG 3# TSG 4# FLUSH w 395 BBLS ISDP 6099 PSI 5 MIN 5826 PSI 10 MIN 5675 PSI 15 MIN 5560 PSI MAX RATE 50.7 AVE RATE 50.2 PSI MAX PRESSURE 8019 PSI AVE PRESSURE 7136 PSI TURN WELL OVER TO WIRELINE
	11:30 12:30	1.00		11				STG 8...TIH w 4 1/2" CFP SET @ 11885' TEST PLUG TEST GOOD PERFORATE STG 8 CORRELATE TO HALLIBURTON: SPECTRAL DENSITY DUAL SPACED NEUTRON ARRAY COMPENSATED TRUE RESISTIVITY RUN #2: 17 NOV-11692 - 11867 TOH w WIRELINE
	12:30 13:30	1.00		21				STAGE 8... HSM TEST PMP & LINES TO 8310 PSI OPEN WELL 4920 PSI...BRAKE DWN @ 5376 PSI PMP 5000 GAL OF ACID FLUSH 10 BBLS PASS BTM PERF w 403 BBLS ISDP 5227 PSI 5 MIIN 5017 PSI 10 MIN 4927 PSI 15 MIN BELOW OPENING PSI FG .88 MAX RATE 45.4 AVE RATE 24.4 MAX PRESSURE 7024 PSI AVE PRESSURE 5943 PSI
	13:30 14:30	1.00		21				FRAC STG 8 STARTING PSI 4810 PSI STG PAD STG 100 MASH STG PAD STG 1# STG 2# STG 3# TSG 4# FLUSH w 391 BBLS ISDP 5924 PSI 5 MIN 5595 PSI 10 MIN 5443 PSI 15 MIN 5352 PSI MAX RATE 58.9 AVE RATE 57.9 PSI MAX PRESSURE 7910 PSI AVE PRESSURE 6665 PSI
	14:30 17:30	3.00		21				RD BJ RD STINGER OPEN PSI 4400 PSI ON 12 CHOCK TURN WELL OVER TO FLOW BACK
	5:30 6:00	0.50		21				HSM JSA TOPIC; FRACTURING & PRESSURE
12/13/2010	17:30 6:30			21				WELL FLOWING ON A 12/64 CHOCK AT 4700 PSI MADE 643 BBLS OF WTR 700 MCF SHOWED TRACE OF OIL TURN TO TREATER
12/14/2010	6:30 6:30	24.00		21				WELL FLOWING ON A 12/64 CHOCK AT 4400 PSI MADE 106 BBLS OF OIL 571 BBLS OF WTR 559 MCF OF GAS WAS DWN 3 HR TO REPLACE VALVE ON WELL HEAD TTL WTR RECOVERED 1214 BBLS
12/15/2010	6:30 6:30	24.00		21				WELL FLOWING ON A 12/64 CHOCK AT 3900 PSI MADE 238 BBLS OF OIL 529 BBLS OF WTR 1031 MCF OF GAS TTL WTR RECOVERED 1743 BBLS
12/16/2010	6:30 6:30	24.00		21				WELL FLOWING ON A 14/64 CHOCK AT 3850 PSI MADE 439 BBLS OF OIL 566 BBLS OF WTR 1374 MCF OF GAS TTL WTR RECOVERED 2309 BBLS
12/17/2010	6:30 6:30	24.00		21				WELL FLOWING ON A 14/64 CHOCK AT 3600 PSI MADE 590 BBLS OF OIL 408 BBLS OF WTR 1546 MCF OF GAS TTL WTR RECOVERED 2717 BBLS

12/18/2010

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	6:30 6:30	24.00		21				WELL FLOWING ON A 14/64 CHOCK AT 3400 PSI MADE 636 BBLS OF OIL 334 BBLS OF WTR 1568 MCF OF GAS TTL WTR RECOVERED 3051 BBLS
12/19/2010	6:30 6:30	24.00		21				WELL FLOWING ON A 14/64 CHOCK AT 3250 PSI MADE 654 BBLS OF OIL 266 BBLS OF WTR 1547 MCF OF GAS TTL WTR RECOVERED 3317 BBLS
12/20/2010	6:30 6:30	24.00		21				WELL FLOWING ON A 14/64 CHOCK AT 3024 PSI MADE 641 BBLS OF OIL 258 BBLS OF WTR 1473 MCF OF GAS TTL WTR RECOVERED 3595 BBLS
12/21/2010	6:30 6:30	24.00		21				WELL FLOWING ON A 14/64 CHOCK AT 2925 PSI MADE 631 BBLS OF OIL 253 BBLS OF WTR 1613 MCF OF GAS TTL WTR RECOVERED 3868 BBLS
12/22/2010	6:30 6:30	24.00		21				WELL FLOWING ON A 14/64 CHOCK AT 2825 PSI MADE 615 BBLS OF OIL 241 BBLS OF WTR 1341 MCF OF GAS TTL WTR RECOVERED 4109 BBLS
12/23/2010	6:30 6:30	24.00		21				WELL FLOWING ON A 14/64 CHOCK AT 2750 PSI MADE 594 BBLS OF OIL 241 BBLS OF WTR 1295 MCF OF GAS TTL WTR RECOVERED 4350 BBLS
12/24/2010	6:30 6:30	24.00		06				WELL FLOWING ON A 14/64 CHOCK AT 2750 PSI MADE 587 BBLS OF OIL 227 BBLS OF WTR 1248 MCF OF GAS TTL WTR RECOVERED 4577 BBLS
12/25/2010	6:30 6:30	24.00		21				WELL FLOWING ON A 14/64 CHOCK AT 2650 PSI MADE 592 BBLS OF OIL 215 BBLS OF WTR 1213 MCF OF GAS TTL WTR RECOVERED 4792 BBLS
12/29/2010	6:00 11:00	5.00		06				HSM JSA TOPIC; RIGGING UP AND PRESSURE...RIG UP COIL UNIT
	11:00 22:30	11.50		04				STARTING PRESSURE 2200 PSI TRIP IN HOLE w 2" COIL DRILL OUT 7 CFP PLUGS 11890' 12097' 12344' 12553' 12804' 13052' 13245' C/O TO PBTD @13645' CIRC WELL CLEAN CIRC OUT OF THE HOLE RD COIL TBG TURN WELL OVER TO PRODUCTION 1100 PSI ON 16/64 CHOKE TTL WTR PMPED 1148 BBLS
1/11/2011	7:00 10:00	3.00		11				SAFTEY MTNG. MIRU PIONEER W/L EQUIPMENT. THAW OUT B.O.P.E.
	10:00 11:30	1.50		11				RIH W/ 3.53" GUAGE RING AND JUNK BASKETT. STACKED OUT @ 10,150' POOH W/ GUAGE RING, AND JUNK BASKETT. HAD APPROX. 1-CUP OF RUBBER IN JUNK BASKETT.
	11:30 14:00	2.50		11				RUN BACK IN HOLE W/ 3.53" GUAGE RING AND JUNK BASKETT. STACKED OUT @ 10,330'. AND TOOLS WERE STUCK. WORKED LINE. LINE CAME FREE. POOH W/ GR & JNK BSKET. RECOVERED APPROX 1/2 GALLON OF RUBBER CHUNKS. FROM JNK BSKET
	14:00 17:00	3.00		11				MU & RIH W/ 2- 2" SINKER BARS, AND 1 11/16" CCL, AND SPANG JARS. SAT DOWN @ 13,623'. 63' OF RAT HOLE BELOW BOTTOM PERF. POOH L/D SINKER BARS. CCL & SPANG JARS, SECURE WELL. LOCKED BLIND RAMS. LEFT WELL FLOWING ON 16 POSITIVE CHOKE. S.D.F.N.
1/12/2011	7:00 10:00	3.00		11				HELD SAFTEY MTNG, PERFORMED JSA'S. THAW OUT B.O.P.E. WORKED ON STARTING EQUIPMENT AFTER -20 DEG NIGHT. STEAMED OUT LUBRICATOR AND GREASE HEAD. R/U LOGGING TOOLS.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	10:00 16:00	6.00		11				RIH W/ PRODUCTION AND TRACER LOGGING TOOLS. LOG DN @ 30 FPM FROM 11,150' TO 13,550'. LOG UP @ 90 FPM FROM 13,550' TO 11,450'. LOG DN @ 90 FPM FROM 11,450' TO 13,550'. LOG UP @ 120 FPM FROM 13,550' TO 11,450'. LOG DN @ 120 FPM FROM 11,450' TO 13,550'. LOG UP @ 150 FPM FROM 13,550' TO 11,450'. LOG DN @ 150 FPM FROM 11,450' TO 13,550'. LOG UP @ 30 FPM FROM 13,550' 11,150'. POOH W/ LOGGING TOOLS.
	16:00 17:00	1.00		11				L/D LOGGING TOOLS. R/D LUBRICATOR. LOCK BLIND RAMS. SECURE WELL. LEFT WELL FLOWING ON 16 POSSITIVE CHOKE. S.D.F.N.
1/13/2011	10:00 12:30	2.50		11				HELD SAFETY MEETING. PU AND RIH W/ 5.73 GR/JB TO LINER TOP @ 9790'.WORK OVER RIG ON LOCATION @ 11:30.
	12:30 15:30	3.00		11				RE HEAD WIRE LINE, RIH W/ 7" BAKER WL PACKER. SET PKR @ 9705' POOH W/ WIRELINE.
	15:30 17:30	2.00		01				RD WIRELINE EQUIPMENT. SPOTTED IN RIG. LEFT WELL OPENED TO TREATER ON 16/48 CHOKE. SDFN.
1/14/2011	7:00 7:30	0.50		18				HELD SAFETY MEETING. 50 CSIP. BLED DOWN WELL.
	7:30 8:30	1.00		01				RU RIG
	8:30 9:00	0.50		18				UNABLE TO START CATWALK.
	9:00 9:45	0.75		04				PU AND TALLIED ON OFF TOOL, 27-JTS 2 7/8 N-80 EUE TBG. ELEVATORS FAILED.
	9:45 11:30	1.75		18				WAIT ON ELEVATORS.
	11:30 17:30	6.00		04				CONTINUED PU TBG RIH W/198-JTS 2 7/8 N-80 EUE @ 7253' SECURED WELL SDFN.
1/15/2011	7:00 7:30	0.50		18				HELD SAFETY MEETING. 40 CSIP 0 TSIP BLED DOWN WELL.
	7:30 9:30	2.00		04				CONTINUED TO PU AND TALLY TBG, RIH W/ 77-JTS 2 7/8 N-80 EUE TBG (TTL 302 JTS) TAGGED PKR @ 9723' LD 2 -JTS 2 7/8 TBG.
	9:30 12:00	2.50		08				CIRCULATE WELL W/ 340 BBLs PACKER FLUID.
	12:00 13:00	1.00		10				PU 1-10',1-8' X 2 7/8 N-80 EUE TBG SUBS AND 1-JT 2 7/8 N-80 EUE TBG, LATCHED ON TO PKR. RD RIG FLOOR ND BOPS.
	13:00 14:00	1.00		10				NU WELLHEAD PLUMBED IN FLOWLINE,
	14:00 14:30	0.50		09				PRESSURE TEST ANNULAR @ 1000 PSI HELD. PUMPED PLUG OUT OF PKR @ 2800 PSI. OPENED WELL ON 14/48 CHOKE W/1000 PSI.
	14:30 15:30	1.00		01				RD RIG SDFN.
	15:30 15:30							TGB WAS ON LOCATON. LEFT IN WELL RETURN TO YARD 301-JTS 2 7/8 NEW 16-JTS 2 7/8 NEW  3-JTS 2 7/8 TBI
1/16/2011	6:00 6:00							NO ACTIVITY
1/17/2011	6:00 6:00							NO ACTIVITY
1/18/2011	6:00 6:00							WELL FLOWING,
1/19/2011	6:00 6:00							WELL IS FLOWING. NO ACTIVITY
1/20/2011	6:00 6:00							WELL FLOWING. NO ACTIVITY
1/21/2011	8:00 10:00	2.00		18				RU DELSCO WIRELINE ATTEMP TO RUN TEMP & PRESS BOMBS SWAB VLAVE WAS FOROOZEN SHUT DELSO EMPLOYEE SHEERED PIN ON VALVE CALLED OUT WEATYHERRFORD TO REPAIR
	10:00 12:00	2.00		18				REPLACE SHEER PIN IN VALVE AND GREASE VALVES

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	12:00 14:00	2.00						GET PRESS AND TEMP READINGS RIH HOLE WITH PRESS & TEMP BOMPS MAKING TEMP AND PRESS GRAIDENT STOPS EVERY THOUSAND FEET
	14:00 16:00	2.00						SET BOMBS IN XN NIPPLE AT PKR POOH RD DELSCO OPEN WELL PUT CHOKE TO 16/64 CHOKE TURN OVER TO PRODUCTION TO GET SURFACE AND TEMP READING.
1/22/2011	9:00 9:00	24.00		20				09:00 1525 PSI ON 16/48 CHOKE, 95 DEGREES SURFACE TEMP. 469 BBLS OIL, 258 BBLS H2O, 915 GAS.
1/23/2011	9:00 9:00	24.00		20				09:00 1525 PSI, 94 DEGREES SURFACE TEMP, 499 OIL,300 H2O AND 993 GAS.
1/24/2011	9:00 9:00	24.00		20				09:00 WELL FLOWING ON 16/48 CHOKE. 1475 PSI, 96 DEGREES SURF TEMP,514 OIL, 325 H2O, 991 GAS. CHOKED WELL BACK TO 14/48.
1/25/2011	9:00 9:00	24.00		20				09:00 WELL FLOWING ON 14/48 CHOKE, 1600 PSI, 90 DEGREES SURF TEMP, 395 OIL,203 H2O, 839 GAS.
1/26/2011	6:00 6:00							
	6:00 6:00	24.00		18				WELL FLOWING ON 12/64 CHOKE 1650 PSI WELL HEAD TEMP 90 DEGREE CONTINUE FLOW TESTING
1/27/2011	9:00 9:00	24.00						09:00 WELL FLOWING ON 12/48 CHOKE, 1850 PSI, 85 DEGREES SURF TEMP, 283 OIL,96 H2O, 604 GAS.
1/28/2011	9:00 9:00	24.00		20				09:00 WELL FLOWING ON 12/48 CHOKE, 2050 PSI, 78 DEGREES SURF TEMP, 202 OIL,56 H2O, 393 GAS. OPENED WELL TO A 16/48 CHOKE
1/29/2011	9:00 9:00	24.00		20				09:00 WELL FLOWING ON 16/48 CHOKE, 1500 PSI, 86 DEGREES SURF TEMP, 592 OIL,319 H2O, 855 GAS.
1/30/2011	9:00 9:00	24.00						09:00 WELL FLOWING ON 16/48 CHOKE, 1400 PSI, 88 DEGREES SURF TEMP, 500 OIL,326 H2O, 1033 GAS. SHUT WELL IN.
1/31/2011	9:00 9:00	24.00		20				09:00 SHUT IN PRESSURE AFTER 24 HRS 2700 PSI. OPENED WELL ON 16/48 CHOKE
2/1/2011	9:00 9:00	24.00		20				09:00 WELL FLOWING ON 16/48 CHOKE, 1550 PSI, 88 DEGREES SURF TEMP, 545 OIL,235 H2O, 657 GAS.
2/2/2011	9:00 9:00	24.00		20				09:00 WELL FLOWING ON 16/48 CHOKE, 1450 PSI, 87 DEGREES SURF TEMP, 482 OIL, 298 H2O, 983 GAS.
2/3/2011	9:00 9:00	24.00		20				09:00 WELL FLOWING ON 16/48 CHOKE, 1360 PSI, 87 DEGREES SURF TEMP, 469 OIL, 303 H2O, 952 GAS.
2/16/2011	9:00 11:00	2.00		18				RU DELSCO WILRELINE SERVICES RIH W/ FISHING NECK RIH TO BOMBS AT PKR @ 9705' LATCH ONTO BOMS POOH W/ WILREINE AND PRESSURE AND TEMP BOMBS RD DELSCO.
4/27/2011	6:00 6:30	0.50		18				HELD SAFETY MEETING. ON PINCH POINTS FILLED OUT JSA.
	6:30 7:30	1.00		11				RU PIONEER WIRELINE RIH W/ 2" WEIGHT BARS. UNABLE TO GET PAST WELL HEAD.
	7:30 9:30	2.00		18				RU DELSCO. RIH AND CUT WAX
	9:30 11:30	2.00		11				RIH W/ 2" WEIGHT BARS TAGGED FILL @ 13602'
	11:30 20:00	8.50		11				RIH W/ PROTECHNICS PRODUCTION AND TRACER LOGGING TOOL MADE 3 PASSES FROM 11400 TO 13550. 1ST PASS 60 FT/MIN. 2ND PASS 90 FT/MIN, 3RD PASS 120 FT/MIN WHILE WELL WAS FLOWING ON 18/64 CHOKE @ 250 PSI. POOH , DOWN LOAD DATA. NOT ENOUGH INFORMATION. CHANGED AND REPROGRAMMED TOOL RIH W/ PRODUCTION AND TRACER LOGGING TOOL. MADE 2 PASSES FROM 11400' TO 13550, 1ST PASS 90 FT/MIN, 2ND PASS 120 FT/MIN. POOH W/ LOGGING TOOLS. RD WIRELINE, LEFT WELL OPENED TO TREATER ON 18/64 CHOKE SDFN.
8/16/2011	6:00 7:00	1.00	MIRU	28		P		CREW TRAVEL. HELD SAFETY MTNG (RIG INSPECTION). PERFORMED JSA'S.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	7:00 8:30	1.50	MIRU	01		P		ROAD RIG FROM 2-14A1 TO HURLEY 2-33A1. SPOT IN EGUIP. RU.
	8:30 11:30	3.00	WHDTRE	16		P		X-O TO TBNG EQUIP. RU HOT OILER TO TBNG. PMP 80 BBLS 2% KCL WTR DN TBNG TO KILL WELL. ND WH. NU BOPE. RU WORK FLOOR. ATTEMPTS TO RELEASE 7" BAKER W/L PKR FAILED.
	11:30 13:30	2.00	PRDHEQ	20		P		RU POWER SWIVEL. WORK TBNG & PKR. WHILE PMPING DN TBNG. PKR RELEASED. RD PWR SWVL.
	13:30 15:30	2.00	PRDHEQ	39		P		POOH W/ 64 JNTS 2 7/8" N-80 EUE TBNG. PKR HUNG UP AND WOULD NOT COME UP HOLE. BUT WOULD GO DN HOLE FINE. WORK TBNG IN ATTEMPTS TO FREE UP PKR. RIH W/ 3-JNTS 2 7/8" TBNG.
	15:30 17:30	2.00	PRDHEQ	18		C		RU PWR SWVL. WORKING TBNG. SWIVELED IN 4 JNTS 2 7/8" TBNG. WHILE PMPING DN CSNG. 7" PKR STILL WOULD NOT COME UP BUT WOULD GO DOWN. RD PWR SWVL.
	17:30 18:30	1.00	PRDHEQ	39		C		RIH W/ 40 JNTS 2 7/8" TBNG. WORKING PKR UP AND DOWN. EOT @9,172'. SECURE WELL. LEFT WELL VENTING TO PROD TRTR ON 26/64 CHOKE. S.D.F.N.  USED 95 GAL DIESEL FOR THE DAY. USED 225 GAL PROPANE FOR THE DAY. PUMPED 495 BBLS OF 2% KCL WTR FOR THE DAY.
8/17/2011	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL. HELD SAFETY MTNG (WELL CONTROL, WORKING W/ POWER SWIVEL). PERFORMED JSA'S.
	7:00 9:00	2.00	PRDHEQ	06		P		OPEN UP WELL. TBNG PRESS 50 PSI. CSNG PRESS 50 PSI. BLED DN WELL. RU PMP LINE TO TBNG. PMP 60 BBLS 2% KCL WTR. POOH W/ 17 JNTS 2 7/8" TBNG TO 8637'. PACKER HUNG UP. RBIH W/ 2 JNTS 2 7/8" TBNG. RU PMP LINES. RU POWER SWIVEL. START PMPING DN TBNG. BROKE CIRC W/ 240 BBLS 25 KCL WTR.
	9:00 12:00	3.00	PRDHEQ	53		P		WORK TBNG W/ POWER SWIVEL. @ 8700'. WHILE CIRCULATING. WORKED PKR FREE.
	12:00 17:30	5.50	PRDHEQ	39		P		RD PWR SWVL. POOH W/ 4 JNTS TBNG TO 8574'. PKR STUCK AGAIN. RU PWR SWVL. SWIVEL BIH W/ 3 JNTS TO 8668'. WORKING TBNG UP AND DN. RD PWR SWVL. POOH W/ 60 JNTS TBNG. PKR HUNG UP @ 6778'. RU PWR SWVL. WORK PKR FREE. RD SWVL. POOH W/ 22 JNTS TBNG. EOT @ 6064'.
	17:30 18:00	0.50	PRDHEQ	18		P		SECURE WELL. LEFT TBNG & CSNG VENTING TO PROD TRTR OVER NIGHT ON 26/64 CHOKE.  USED 115 GAL DIESEL FOR THE DAY. USED 150 GAL PROPANE FOR THE DAY. PUMPED 495 BBLS 2% KCL WTR FOR THE DAY.
8/18/2011	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL. HELD SAFETY MTNG (BODY POSITIONING, PINCH POINTS). PERFORMED JSA'S.
	7:00 8:30	1.50	PRDHEQ	06		P		OPEN UP WELL. TBNG & CSNG PRESS 50 PSI. RU PMP LINES.BEGIN PMPING PMP DN TBNG, BROKE CIRCULATION W/ 70 BBLS, CONT TO CIRCULATE GAS OUT W/ 186 BBLS 2% KCL WTR. WELL WAS DEAD.
	8:30 11:30	3.00	PRDHEQ	39		P		POOH W/ 188 JNTS 2 7/8" N-80 EUE TBG. AND RETRIEVING HEAD. (DID NOT HAVE 7" PACKER).
	11:30 16:00	4.50	PRDHEQ	39		P		RUN BACK IN HOLE W/ RETRIEVING HEAD. 301 JNTS 2 7/8" N-80 EUE TBNG.. PU 4 JNTS 2 7/8" N-80 EUE WORK STRING FROM TRAILER. LATCH BACK ONTO 7" BAKER WIRELINE SET PKER @LINER TOP (9,790').

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	16:00 18:00	2.00	PRDHEQ	39		P		SOOH W/ TBNG AND PACKER STILL HANGING UP. WORK TBNG TO FREE UP PKR. POOH SLOW W/ PKR. PULLED 51 JNTS 2 7/8" N-80 EUE TBNG. EOT @ 8,175'. SECURE WELL. LEFT TBNG & CSNG VENTING TO PRODUCTION TRTR. S.F.D.F.N.
8/19/2011	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL. HELD SAFETY MTNG (TRIPPING TUBING). PERFORM JSA'S.
	7:00 9:00	2.00	PRDHEQ	06		P		OPEN UP WELL. CSNG & TBNG PRESS 50 PSI. RU PMP LINE TO TBNG. CIRCULATED GAS & OIL OUT OF WELL PMPING DN TBNG UP CSNG W/ 343 BBLs 2% KCL WTR. WELL WAS DEAD.
	9:00 18:00	9.00	PRDHEQ	39		P		CONTINUE POOH SLOWLEY W/ BAKER 7" W/L PACKER. PACKER CONTINUED TO HANG UP. HAVING TO WORK TBNG IN AND OUT OF HOLE, AND ROTATING TBNG TO THE RIGHT. PULLED 185 JNTS 2 7/8" N-80 TBNG OUT TODAY. FROM 8,158' TO 2,238'. SECURED WELL, LEFT TBNG & CSNG VENTING TO PRODUCTION TRTR ON 26/64 CHOKE. S.D.F.N.
8/20/2011	6:00 7:30	1.50	WBP	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING AND JARRING ON STUCK PACKER. FILLED OUT JSA.
	7:30 8:15	0.75	WBP	06		P		50 CSIP 50 TSIP. BLED DOWN WELL. CIRCULATE WELL W/ 120 BBLs.
	8:15 13:30	5.25	WBP	39		P		PKR STUCK WOUDN'T NOT MOVE UP. WORKED 38 JTS DOWN PKR STILL WOUDN'T MOVE UP. RU POWER SWIVEL SWIVELED 5-JTS OUT, LOST PACKER RD POWER SWIVELTOOH W/ 102-JTS 2 7/8 N-80 EUE TBG LD RETRIEVING HEAD,
	13:30 13:36	0.10	WBP	39		P		RIH W/ SN 64-JTS 2 7/8 N-80 EUE TBG. EOT @ 2054' LEFT CSG OPENED TO TREATER. SDFN
8/21/2011	6:00 7:30	1.50	WBP	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING AND PICKING UP DRILL COLLARS. FILLED OUT JSA.
	7:30 8:30	1.00	WBP	06		P		50 CSIP 50 TSIP. BLED DOWN WELL CIRCULATE WELL W/ 120 BBLs.
	8:30 9:00	0.50	WBP	39		P		TOOH W/ 64- JTS 2 7/8 N-80 EUE TBG AND SEAT NIPPLE.
	9:00 14:30	5.50	WBP	39		P		TALLIED AND RIH W/ 5 3/4 OVERSHOT W/ 3 1/8 GRAPPLE, BUMPER SUB, JARS, X-OVER, 4-4 3/4" DRILL COLLARS. X-OVER, 6' 2 7/8 N-80 EUE TBG SUB AND 300-JTS OF 2 7/8 N-80 EUE TBG ENGAGED PACKER @ LT 9807' 15' OUT ON JT # 300. WORKED PACKER FREE JARRED 15,000 OVER STRING WEIGHT.
	14:30 18:00	3.50	WBP	39		P		TOOH W/ 50JTS 2 7/8 N-80 EUE TBG PACKER HUNG UP UNABLE TO MOVE UP, RIH W/ 12-JTS 2 7/8 WORKED PKR FREE TOOH 18-JTS 2 7/8 N-80 TTL OF 56-JTS 2 7/8 TBG OUT EOT @ 8025' SECURED WELL SDFN.
8/22/2011	6:00 7:30	1.50	WBP	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING AND FALL PROTECTION FILLED OUT JSA.
	7:30 8:30	1.00	WBP	06		P		50 TSIP 50 CSIP BLED DOWN GAS. CIRCULATE WELL W/ 364 BBLs 2 %KCL.
	8:30 13:00	4.50	WBP	39		P		CONTINUED TOOH W/ 114-JTS 2 7/8 N-80 EUE TBG. TTL OF 170 JTS OUT. PKR HUNG UP WORKED 20 JTS BACK IN WELL JARRING ON PKR @ 30,000 OVER STRING WEIGHT, UNABLE TO GET PKR TO MOVE UP HOLE.
	13:00 13:00	0.00	WBP	39		P		RIH W/ 10 MORE JTS 2 7/8 N-80 EUE TBG TTL 150 JTS OUT, JARRING ON PKR @ 30K OVER STRING WEIGHT, PKR STARTED MOVING UP HOLE. TOOH W/ 8-JTS 2 7/8 N-80 TBG PKR STOPPED MOVING UP.
	13:00 14:30	1.50	WBP	06		P		CIRCULATE WELL W/ 140 BBLs 2%KCL,

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	14:30 19:00	4.50	WBP	39		P		RIH W/ 16 -JTS 2 7/8 JARING @ 30K OVER STRING WEIGHT PKR STARTED MOVING UP HOLE TOOH W/174-JTS OF 2 7/8 AND BHA W/ PKR ASSEMBLY IN OVER SHOT. RIH W/ 64-JTS 2 7/8 N-80 EUE TBG. EOT @ 2054 SECURED WELL SDFN.
8/23/2011	6:00 7:00	1.00	INARTLT	28		P		CREW TRAVEL, HELD SAFETY MTNG (LD DRILL COLLARS). PERFORM JSA'S.
	7:00 7:30	0.50	INARTLT	06		P		BLOW DN WELL. RU PMP LINES, CIRC WELL DN TBNG UP CSNG W/ 125 BBLS 2% KCL WTR.
	7:30 9:00	1.50	INARTLT	24		P		POOH LD 30 JNTS 2 7/8" N-80 EUE TBNG, STAND 34 JNTS 2 7/8" N-80 EUE TBNG BACK IN DERRICK. RIH W/ 4-4 1/2" DRILL COLLARS. LD DN 4- 4 1/2" DC.
	9:00 12:30	3.50	INARTLT	25		P		PU & RIH W/ 5 3/4" NO-GO. 3-JNTS 2 7/8" N-80 EUE TBNG. 4 1/2" PBGA, 4' X 2 7/8" PUP JNT. 2' X 2 7/8" PUP JNT, MECH SEAT NIPPLE, 2 1/2" PUMP CAVITY, 4' X 2 7/8" PUP JNT, 7-JNTS 2 7/8" EUE TBNG, 7" WTHRFRD TAC, 256 JNTS 2 7/8" N-80 EUE TBNG. SET 7" TAC @ 8,258'.
	12:30 14:00	1.50	INARTLT	06		P		RU PMP LINES, CIRC DN TBNG UP CSNG W/ 330 BBLS 2% KCL WTR.
	14:00 15:00	1.00	INARTLT	16		P		ND BOPE. LAND TBNG IN 22,000# TENSION. RU FLOW LINE.
	15:00 16:30	1.50	INARTLT	06		P		FLUSH TBNG W/ 50 BBLS 2% KCL WTR. DROP STANDING VALVE. CHASE STANDING VALVE W/ 80 BBLS 2% KCL WTR . STANDING VALVE DID NOT SEAT, (NO PRESS TEST). PREP NEW RODS. RACK OUT PMP LINES. SECURE WELL. EMPTY AND TRANSFER OIL OUT OF FLOW BACK TNK TO PROD TNK. S.D.F.N.  PUMPED TOTAL OF 690 BBLS 2% KCL WTR FOR THE DAY.
8/24/2011	6:00 7:00	1.00	INARTLT	28		P		CREW TRAVEL. HSM (HEAT STRESS). PERFORMED JSA'S.
	7:00 14:30	7.50	INARTLT	24		P		OPEN UP WELL 0-TBNG PRESS. O- CSNG PRESS. PU & RIH W/ 2 1/4" X 40' PLUNGER. 1-2" X 1" STABILIZER SUB. INSTALL NO-TAP TOOL. 24-1" EL RDS W/G. 88-3/4" EL RDS W/G. 120-7/8" EL RDS W/G. 105-1" EL RDS W/G (10-W/G, 95-SLK).
	14:30 17:00	2.50	INARTLT	13		P		SPACE OUT RODS W/ NO PONY RDS. PU 1 1/2" X 40' PR. FILL TBNG W/ 4 BBLS 2% KCL WTR, PRESS & STOKE TEST TO 1,000 PSI. RIG DN RIG. SLIDE IN ROTAFLEX PU. HANG OFF RODS. PREP NEW ROTAFLEX FOR OPERATION. CLEAN UP LOCATION. PROGRAM & SET UP DRIVE. RETURN WELL TO PRODUCTION.
	17:00 17:30	0.50	RDMO	02		P		ROAD RIG TO DYE 2-28A1. S.D.F.N.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: El Paso E&P Company, L.P. Operator Account Number: N 3065  
 Address: 1001 Louisiana, Rm 2730D  
city Houston  
state TX zip 77002 Phone Number: (713) 420-5038

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350088	Hanson 4-8B3		SESE	8	2S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
E	17571	<u>17571</u>	12/10/2010			<u>6/24/11</u>	
Comments: <u>Initial Completion to WSTC on 06/24/11.</u>			<b>CONFIDENTIAL</b> <u>12/28/11</u>				

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350166	Hurley 2-33A1		NENE	33	1S	1W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
E	17573	<u>17573</u>	4/5/2010			<u>2/3/11</u>	
Comments: <u>Initial Completion to GRRV on 02/03/2011.</u>			<b>CONFIDENTIAL</b> <u>12/28/11</u>				

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350438	Freeman 4-16B4		SWSE	16	2S	4W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
E	17935	<u>17935</u>	3/3/2011			<u>10/5/11</u>	
Comments: <u>Initial Completion to WSTC on 10/05/2011.</u>			<b>CONFIDENTIAL</b> <u>12/28/11</u>				

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

**RECEIVED**

DEC 28 2011

Maria S Gomez

Name (Please Print)

Maria S. Gomez

Signature

Principle Regulatory Analyst 12/28/2011

Title

Date

DEC 01 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT  FORM 8  
(highlight changes)

**CONFIDENTIAL**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF WORK:  
 NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
El Paso E & P Company, L. P.

3. ADDRESS OF OPERATOR: 1001 Louisiana, #2730B City Houston STATE TX ZIP 77002

PHONE NUMBER: (713) 420-5138

4. LOCATION OF WELL (FOOTAGES)  
 AT SURFACE: 384' FNL & 676' FEL  
 AT TOP PRODUCING INTERVAL REPORTED BELOW: 384' FNL & 676' FEL  
 AT TOTAL DEPTH: <sup>403</sup> 384' FNL & <sup>80</sup> 676' FEL

5. LEASE DESIGNATION AND SERIAL NUMBER:  
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
Hurley 2-33A1

9. API NUMBER:  
4301350166

10 FIELD AND POOL, OR WILDCAT  
Altamont/Bluebell

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
NENE 33 1S 1W  
Meridian U.S.B. & M.

12. COUNTY: Duchesne 13. STATE: UTAH

14. DATE SPUNDED: 4/7/2010 15. DATE T.D. REACHED: 11/17/2010 16. DATE COMPLETED: 2/3/2011

ABANDONED  READY TO PRODUCE

18. TOTAL DEPTH: MD 13,700 TVD 13,700 - 697

19. PLUG BACK T.D.: MD 13,645 TVD 13,645 - 42

20. IF MULTIPLE COMPLETIONS, HOW MANY? \* none

21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
 GR/DSNT/SDLT/BSAT/ACR+/CBL/Spec. Density/Dual Spaced Neutron/Array Comp. True Resistivity

23. WAS WELL CORED? NO  YES  (Submit analysis)  
 WAS DST RUN? NO  YES  (Submit report)  
 DIRECTIONAL SURVEY? NO  YES  (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
30"	20"	52	0	100		Cl. G 500	102	Surf. (circ)	----
17-1/2"	13-3/8 J-55	54.5	0	641		Cl. G 265	185	Surf. (circ)	----
12-1/4"	9-5/8 N-80	40	0	5,005		Cl. G 688	543	Surf. (circ)	----
8-3/4"	7 p110	29	0	10,065		Cl. G 790	205	5370 CBL	----
6-1/8"	4-1/2 p110	15.1	9,791	13,669		Cl. G 333	108	9791 (cal)	----

25. TUBING RECORD

SIZE	DEPTH SET (MD)	TAC SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	8,665	8,258						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	9,884	13,592		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
11,692 11,867	2-3/4	60	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
11,946 12,090	2-3/4	48	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
12,105 12,311	2-3/4	54	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
12,360 12,525	2-3/4	57	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
13259 - 13592	Acidize w/3990 gals of 15% HCL. Frac w/6500 #'s 100 mesh (no sand pumped).
13077 - 13219	Acidize w/5544 gals of 15% HCL. Frac w/4000 #'s 100 mesh & 78002 #'s SinterLite Bauxite 20/40
12843 - 13008	Acidize w/3780 gals of 15% HCL. Frac w/4500 #'s 100 mesh & 89380 #'s SinterLite Bauxite 20/40

29. ENCLOSED ATTACHMENTS:

(All logs submitted to you by Service Companies)

ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: Items 27 & 28

continued on attachment

30. WELL STATUS:

Producing

## Hurley 2-33A1

**31. INITIAL PRODUCTION**
**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED: 12/12/2010		TEST DATE: 12/14/2010		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 238	GAS - MCF: 1,031	WATER - BBL: 529	PROD. METHOD:
CHOKE SIZE: 14/64th	TBG. PRESS.	CSG. PRESS. 3,800	API GRAVITY 42.20	BTU - GAS	GAS/OIL RATIO 4,336	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

**INTERVAL B (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

**INTERVAL C (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

**INTERVAL D (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

**32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**

Sold

**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**34. FORMATION (Log) MARKERS:**

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Lower Green River Wasatch	8,820 9,884

**35. ADDITIONAL REMARKS (Include plugging procedure)**

See attachment for continuation of Item 28 for cement balance plug's information and explanation.

38. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Linda Renken TITLE Proration Analyst  
 SIGNATURE *Linda Renken* DATE 12/1/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- reentering a previously plugged and abandoned well
- drilling horizontal laterals from an existing well bore
- significantly deepening an existing well bore below the previous bottom-hole depth
- recompleting to a different producing formation
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340  
 1594 West North Temple, Suite 1210  
 Box 145801 Fax: 801-359-3940  
 Salt Lake City, Utah 84114-5801

## Attachment to Well Completion Report

Form 8 Dated December 1, 2011

Well Name: Hurley 2-33A1

Items #27 and #28 Continued

RECEIVED

DEC 01 2011

DIV. OF OIL, GAS &amp; MINING

## 27. Perforation Record

Interval (Top/Bottom – MD)	Size	No. of Holes	Perf. Status
12610 – 12781	2-3/4	45	Open
12843 – 13008	2-3/4	45	Open
13077 – 13219	2-3/4	45	Open
13259 – 13592	2-3/4	60	Open

## 28. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
12610 – 12781	Acidize w/4326 gals 15% HCL. Frac w/3500 #'s 100 mesh & 86280 #'s SinterLite Bauxite 20/40.
12360 - 12525	Acidize w/4998 gals 15% HCL. Frac w/5000 #'s 100 mesh & 94901 #'s SinterLite Bauxite 20/40.
12105 - 12311	Acidize w/4410 gals 15% HCL. Frac w/5000 #'s 100 mesh & 97670 #'s SinterLite Bauxite 20/40.
11946 - 12090	Acidize w/3990 gals 15% HCL. Frac w/5500 #'s 100 mesh & 97868 #'s SinterLite Bauxite 20/40.
11692 – 11867	Acidize w/4704 gals 15% HCL. Frac w/8000 #'s 100 mesh & 109111 #'s SinterLite Bauxite 20/40.
7588 – 8694	Pumped balance plug with 396 sx Class G
7175 – 8386	Pumped balance plug with 435 sx Class G
7296 – 7896	Pumped balance plug with 216 sx Class G
7029 – 7905	Pumped balance plug with 290 sx Class G
6589 – 7089	Pumped balance plug with 180 sx Class G
6450 – 7854	Pumped balance plug with 360 sx Class G
6450 – 8694	Drill out cement plugs.

Remarks for balance plugs: During drilling operations at approximately 8345' we starting losing mud to the formation and lost circulation pressures. After changing mud densities with no success, cement plugs were pumped to seal off mud leakage. Then, during cement operations the drill pipe got stuck in the hole. Top of fish @ 8228'. Wellbore had to be whipstocked around fish from 8182' to 8196'. This is still a vertical well.

# **ELPASO EXPLORATION&PRODUCTION**

Duchesne County, Utah  
Hurley 2-33A1  
Sec. 33, T1S, R1W

**Vertical**

**Survey: Directional Surveys**

## **Standard Survey Report**

**17 November, 2010**

**RECEIVED**

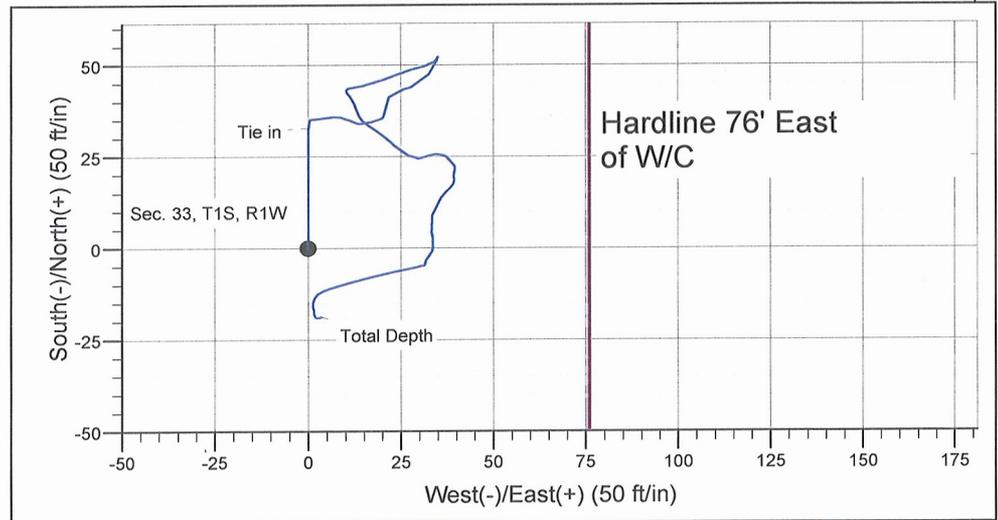
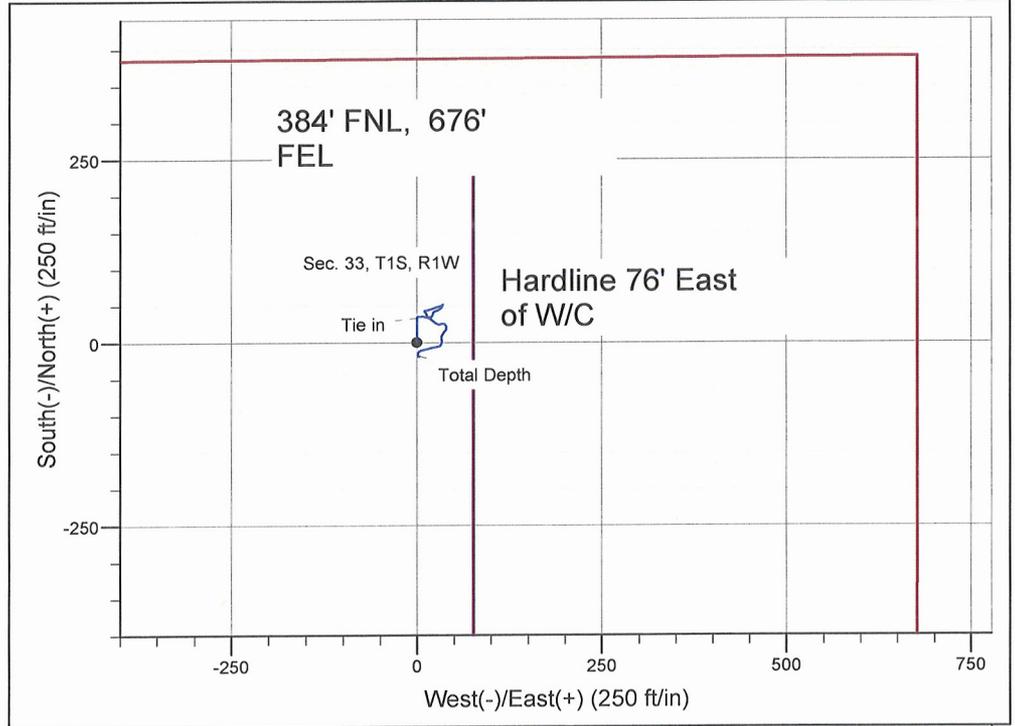
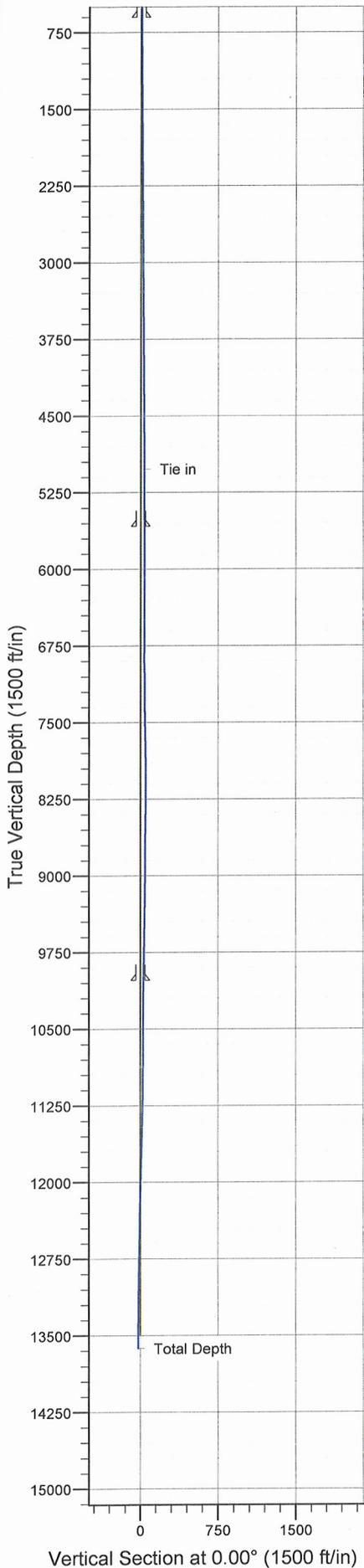
**DEC 01 2011**

**DIV. OF OIL, GAS & MINING**



# ELPASO EXPLORATION&PRODUCTION

Project: Duchesne County, Utah  
 Site: Hurley 2-33A1  
 Well: Sec. 33, T1S, R1W  
 Wellbore: Vertical  
 Design: Vertical



Survey: Directional Surveys (Sec. 33, T1S, R1W/Vertical)

Created By: Roopa Dattar Date: 7:39, November 17 2010

# Total Directional Surveys

## Survey Report



<b>Company:</b> ELPASO EXPLORATION&PRODUCTION	<b>Local Co-ordinate Reference:</b> Well Sec. 33, T1S, R1W
<b>Project:</b> Duchesne County, Utah	<b>TVD Reference:</b> KB @ 5241.0ft (Original Well Elev)
<b>Site:</b> Hurley 2-33A1	<b>MD Reference:</b> KB @ 5241.0ft (Original Well Elev)
<b>Well:</b> Sec. 33, T1S, R1W	<b>North Reference:</b> True
<b>Wellbore:</b> Vertical	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> Vertical	<b>Database:</b> Total Directional

<b>Project</b> Duchesne County, Utah	<b>System Datum:</b> Mean Sea Level
<b>Map System:</b> US State Plane 1983	
<b>Geo Datum:</b> North American Datum 1983	
<b>Map Zone:</b> Utah Northern Zone	

<b>Site</b> Hurley 2-33A1			
<b>Site Position:</b>	<b>Northing:</b>	3,293,856.04 ft	<b>Latitude:</b> 40° 21' 32.750 N
<b>From:</b> Lat/Long	<b>Easting:</b>	2,060,066.85 ft	<b>Longitude:</b> 109° 59' 39.280 W
<b>Position Uncertainty:</b> 0.0 ft	<b>Slot Radius:</b> "		<b>Grid Convergence:</b> 0.99 °

<b>Wellbore</b> Vertical					
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF2010	16/08/2010	(°) 11.44	(°) 66.09	(nT) 52,535

<b>Design</b> Vertical					
<b>Audit Notes:</b>					
<b>Version:</b> 1.0	<b>Phase:</b> ACTUAL	<b>Tie On Depth:</b> 0.0			
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	0.00	

<b>Survey Program</b> Date 16/11/2010					
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
(ft) 5,021.0	(ft) 13,536.0	Directional Surveys (Vertical)	MWD	MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,021.0	0.75	0.00	5,020.9	32.9	0.0	32.9	0.01	0.01	0.00	
<b>Tie in</b>										
5,238.0	0.30	30.90	5,237.9	34.8	0.3	34.8	0.24	-0.21	14.24	
5,332.0	0.30	32.30	5,331.9	35.2	0.5	35.2	0.01	0.00	1.49	
5,518.0	0.30	121.00	5,517.9	35.3	1.2	35.3	0.23	0.00	47.69	
5,797.0	0.50	64.70	5,796.8	35.5	3.0	35.5	0.15	0.07	-20.18	
6,078.0	1.20	91.20	6,077.8	36.0	7.0	36.0	0.28	0.25	9.43	
6,170.0	0.90	101.30	6,169.8	35.8	8.7	35.8	0.38	-0.33	10.98	
6,359.0	0.60	118.10	6,358.8	35.0	11.0	35.0	0.20	-0.16	8.89	
6,543.0	0.70	105.70	6,542.8	34.3	12.9	34.3	0.09	0.05	-6.74	
6,633.0	0.60	105.20	6,632.8	34.0	13.9	34.0	0.11	-0.11	-0.56	
6,820.0	1.40	67.00	6,819.7	34.6	17.0	34.6	0.53	0.43	-20.43	
6,913.0	1.50	79.60	6,912.7	35.3	19.2	35.3	0.36	0.11	13.55	
7,006.0	1.30	359.90	7,005.7	36.6	20.4	36.6	1.94	-0.22	-85.70	
7,551.0	1.10	83.00	7,550.6	43.4	25.6	43.4	0.29	-0.04	15.25	
7,658.0	1.20	63.10	7,657.6	44.0	27.6	44.0	0.38	0.09	-18.60	
7,937.0	1.30	45.90	7,936.5	47.6	32.5	47.6	0.14	0.04	-6.16	
8,123.0	1.50	15.20	8,122.5	51.4	34.6	51.4	0.41	0.11	-16.51	

# Total Directional Surveys

## Survey Report



**Company:** ELPASO EXPLORATION&PRODUCTION  
**Project:** Duchesne County, Utah  
**Site:** Hurley 2-33A1  
**Well:** Sec. 33, T1S, R1W  
**Wellbore:** Vertical  
**Design:** Vertical

**Local Co-ordinate Reference:** Well Sec. 33, T1S, R1W  
**TVD Reference:** KB @ 5241.0ft (Original Well Elev)  
**MD Reference:** KB @ 5241.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** Total Directional

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,140.0	1.80	22.30	8,139.5	51.8	34.8	51.8	2.13	1.76	41.76
8,218.0	2.20	207.60	8,217.4	51.6	34.6	51.6	5.12	0.51	-223.97
8,243.0	2.50	235.40	8,242.4	50.9	33.9	50.9	4.66	1.20	111.20
8,308.0	2.40	257.10	8,307.4	49.8	31.4	49.8	1.43	-0.15	33.38
8,397.0	2.40	253.70	8,396.3	48.9	27.8	48.9	0.16	0.00	-3.82
8,489.0	2.50	247.80	8,488.2	47.6	24.1	47.6	0.29	0.11	-6.41
8,588.0	2.00	251.00	8,587.1	46.2	20.5	46.2	0.52	-0.51	3.23
8,995.0	0.80	266.80	8,994.0	43.7	10.9	43.7	0.31	-0.29	3.88
9,047.0	0.50	228.50	9,046.0	43.5	10.4	43.5	0.98	-0.58	-73.65
9,133.0	0.50	168.70	9,132.0	42.9	10.2	42.9	0.58	0.00	-69.53
9,236.0	1.40	137.60	9,235.0	41.6	11.1	41.6	0.98	0.87	-30.19
9,327.0	1.60	159.70	9,326.0	39.5	12.3	39.5	0.67	0.22	24.29
9,420.0	1.20	159.60	9,418.9	37.4	13.1	37.4	0.43	-0.43	-0.11
9,513.0	0.70	158.90	9,511.9	36.0	13.6	36.0	0.54	-0.54	-0.75
9,606.0	1.10	131.30	9,604.9	34.9	14.5	34.9	0.62	0.43	-29.68
9,700.0	1.10	124.10	9,698.9	33.7	15.9	33.7	0.15	0.00	-7.66
9,793.0	2.10	124.90	9,791.8	32.3	18.1	32.3	1.08	1.08	0.86
9,886.0	1.50	126.80	9,884.8	30.6	20.4	30.6	0.65	-0.65	2.04
9,974.0	1.90	134.40	9,972.8	28.9	22.4	28.9	0.52	0.45	8.64
10,005.0	2.20	131.90	10,003.7	28.1	23.2	28.1	1.01	0.97	-8.06
10,405.0	1.20	55.60	10,403.6	25.3	32.4	25.3	0.56	-0.25	-19.07
10,500.0	1.40	95.80	10,498.6	25.8	34.4	25.8	0.96	0.21	42.32
10,615.0	0.80	110.00	10,613.6	25.4	36.5	25.4	0.57	-0.52	12.35
10,646.0	0.90	107.70	10,644.6	25.2	36.9	25.2	0.34	0.32	-7.42
10,690.0	0.30	199.90	10,688.6	25.0	37.2	25.0	2.18	-1.36	209.55
10,884.0	0.80	116.00	10,882.5	23.9	38.3	23.9	0.42	0.26	-43.25
11,006.0	1.10	159.80	11,004.5	22.5	39.5	22.5	0.62	0.25	35.90
11,071.0	0.80	193.60	11,069.5	21.4	39.6	21.4	0.96	-0.46	52.00
11,102.0	0.40	216.50	11,100.5	21.1	39.4	21.1	1.48	-1.29	73.87
11,165.0	0.30	180.50	11,163.5	20.8	39.3	20.8	0.38	-0.16	-57.14
11,226.0	0.80	188.20	11,224.5	20.2	39.3	20.2	0.83	0.82	12.62
11,251.0	0.70	162.20	11,249.5	19.9	39.3	19.9	1.40	-0.40	-104.00
11,280.0	1.10	178.30	11,278.5	19.5	39.3	19.5	1.62	1.38	55.52
11,313.0	1.00	181.90	11,311.5	18.8	39.3	18.8	0.36	-0.30	10.91
11,345.0	0.90	175.00	11,343.5	18.3	39.3	18.3	0.47	-0.31	-21.56
11,441.0	2.30	227.70	11,439.5	16.3	38.0	16.3	1.97	1.46	54.90
11,475.0	2.10	222.50	11,473.4	15.4	37.1	15.4	0.83	-0.59	-15.29
11,536.0	2.00	215.20	11,534.4	13.7	35.7	13.7	0.46	-0.16	-11.97
11,864.0	1.50	168.60	11,862.3	4.8	33.2	4.8	0.44	-0.15	-14.21
11,880.0	1.80	167.40	11,878.3	4.3	33.3	4.3	1.89	1.87	-7.50
11,918.0	1.90	176.80	11,916.2	3.1	33.5	3.1	0.84	0.26	24.74
12,012.0	1.40	177.60	12,010.2	0.4	33.6	0.4	0.53	-0.53	0.85
12,108.0	1.30	223.20	12,106.2	-1.6	32.9	-1.6	1.09	-0.10	47.50
12,203.0	1.10	203.50	12,201.2	-3.2	31.8	-3.2	0.48	-0.21	-20.74
12,300.0	0.40	176.70	12,298.1	-4.4	31.5	-4.4	0.79	-0.72	-27.63
12,395.0	2.80	259.90	12,393.1	-5.1	29.2	-5.1	2.93	2.53	87.60
12,425.0	3.70	258.50	12,423.0	-5.4	27.6	-5.4	3.01	3.00	-4.67
12,455.0	3.60	257.10	12,453.0	-5.8	25.7	-5.8	0.45	-0.33	-4.67
12,518.0	3.90	258.20	12,515.8	-6.7	21.7	-6.7	0.49	0.48	1.75
12,586.0	3.70	256.20	12,583.7	-7.7	17.3	-7.7	0.35	-0.29	-2.94
12,624.0	4.00	256.30	12,621.6	-8.3	14.8	-8.3	0.79	0.79	0.26
12,682.0	3.60	253.10	12,679.5	-9.3	11.1	-9.3	0.78	-0.69	-5.52
12,745.0	3.30	251.60	12,742.4	-10.5	7.5	-10.5	0.50	-0.48	-2.38
12,776.0	2.90	255.80	12,773.3	-10.9	5.9	-10.9	1.48	-1.29	13.55

# Total Directional Surveys

## Survey Report



<b>Company:</b> ELPASO EXPLORATION&PRODUCTION	<b>Local Co-ordinate Reference:</b> Well Sec. 33, T1S, R1W
<b>Project:</b> Duchesne County, Utah	<b>TVD Reference:</b> KB @ 5241.0ft (Original Well Elev)
<b>Site:</b> Hurley 2-33A1	<b>MD Reference:</b> KB @ 5241.0ft (Original Well Elev)
<b>Well:</b> Sec. 33, T1S, R1W	<b>North Reference:</b> True
<b>Wellbore:</b> Vertical	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> Vertical	<b>Database:</b> Total Directional

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
12,871.0	1.70	227.70	12,868.2	-12.5	2.5	-12.5	1.70	-1.26	-29.58
12,967.0	1.50	188.10	12,964.2	-14.7	1.3	-14.7	1.15	-0.21	-41.25
13,030.0	1.30	168.80	13,027.2	-16.2	1.3	-16.2	0.81	-0.32	-30.63
13,060.0	0.70	151.80	13,057.2	-16.7	1.4	-16.7	2.21	-2.00	-56.67
13,124.0	0.20	203.50	13,121.2	-17.1	1.6	-17.1	0.93	-0.78	80.78
13,188.0	0.40	193.90	13,185.2	-17.5	1.5	-17.5	0.32	0.31	-15.00
13,255.0	0.40	149.10	13,252.2	-17.9	1.5	-17.9	0.46	0.00	-66.87
13,316.0	0.60	163.50	13,313.2	-18.4	1.7	-18.4	0.38	0.33	23.61
13,377.0	0.50	120.90	13,374.2	-18.8	2.1	-18.8	0.67	-0.16	-69.84
13,443.0	0.40	81.40	13,440.2	-18.9	2.5	-18.9	0.48	-0.15	-59.85
13,536.0	0.20	74.40	13,533.2	-18.8	3.0	-18.8	0.22	-0.22	-7.53
13,629.0	0.50	73.80	13,626.2	-18.7	3.6	-18.7	0.32	0.32	-0.65
<b>Total Depth</b>									

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,021.0	5,020.9	32.9	0.0	Tie in
13,629.0	13,626.2	-18.7	3.6	Total Depth

RECEIVED

DEC 01 2011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DIV. OF OIL, GAS & MINING

AMENDED REPORT [ ] FORM 8
(highlight changes)

LEASE DESIGNATION AND SERIAL NUMBER:

Fee

IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT or CA AGREEMENT NAME

WELL NAME and NUMBER:

Hurley 2-33A1

API NUMBER:

4301350166

FIELD AND POOL, OR WILDCAT

Altamont/Bluebell

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

NENE 33 1S 1W

Meridian U.S.B. & M.

COUNTY

Duchesne

STATE

UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] OTHER [ ]

b. TYPE OF WORK: NEW WELL [X] HORIZ. LATS. [ ] DEEP-EN [ ] RE-ENTRY [ ] DIFF. RESVR. [ ] OTHER [ ]

2. NAME OF OPERATOR: El Paso E & P Company, L. P.

3. ADDRESS OF OPERATOR: 1001 Louisiana, #2730B CITY Houston STATE TX ZIP 77002

PHONE NUMBER: (713) 420-5138

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 384' FNL & 676' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 384' FNL & 676' FEL
AT TOTAL DEPTH: 384' FNL & 676' FEL

14. DATE SPUDDED: 4/7/2010 15. DATE T.D. REACHED: 11/17/2010 16. DATE COMPLETED: 2/3/2011

ABANDONED [ ] READY TO PRODUCE [X]

17. ELEVATIONS (DF, RKB, RT, GL):

5223' GL

18. TOTAL DEPTH: MD 13,700 TVD 13,700 19. PLUG BACK T.D.: MD 13,645 TVD 13,645

20. IF MULTIPLE COMPLETIONS, HOW MANY? \* none

21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
GR/DSNT/SDLT/BSAT/ACR+/CBL/Spec. Density/Dual Spaced Neutron/Array Comp. True Resistivity

23. WAS WELL CORED? NO [X] YES [ ] (Submit analysis)
WAS DST RUN? NO [X] YES [ ] (Submit report)
DIRECTIONAL SURVEY? NO [ ] YES [X] (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

Table with columns: HOLE SIZE, SIZE/GRADE, WEIGHT (#/ft.), TOP (MD), BOTTOM (MD), STAGE CEMENTER DEPTH, CEMENT TYPE & NO. OF SACKS, SLURRY VOLUME (BBL), CEMENT TOP \*\*, AMOUNT PULLED. Rows include 30", 17-1/2", 12-1/4", 8-3/4", 6-1/8" sizes.

25. TUBING RECORD

Table with columns: SIZE, DEPTH SET (MD), TAC SET (MD), SIZE, DEPTH SET (MD), PACKER SET (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). Row: 2-7/8", 8,665, 8,258.

26. PRODUCING INTERVALS

Table with columns: FORMATION NAME, TOP (MD), BOTTOM (MD), TOP (TVD), BOTTOM (TVD). Row (A) Wasatch: 9,884, 13,592.

27. PERFORATION RECORD

Table with columns: INTERVAL (Top/Bot - MD), SIZE, NO. HOLES, PERFORATION STATUS. Rows: 11,692-11,867 (2-3/4, 60, Open, Squeezed).

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

Table with columns: DEPTH INTERVAL, AMOUNT AND TYPE OF MATERIAL. Rows: 13259-13592 (Acidize w/3990 gals of 15% HCL...), 13077-13219 (Acidize w/5544 gals of 15% HCL...), 12843-13008 (Acidize w/3780 gals of 15% HCL...).

29. ENCLOSED ATTACHMENTS:

(All logs submitted to you by Service Companies)

- [ ] ELECTRICAL/MECHANICAL LOGS [ ] GEOLOGIC REPORT [ ] DST REPORT [X] DIRECTIONAL SURVEY
[ ] SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION [ ] CORE ANALYSIS [X] OTHER Items 27 & 28

continued on attachment

30. WELL STATUS:

Producing

Hurley 2-33A1

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 12/12/2010		TEST DATE: 12/14/2010		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL - BBL: 238	GAS - MCF: 1,031	WATER - BBL: 529	PROD. METHOD:
CHOKE SIZE: 14/64th	TBG. PRESS.	CSG. PRESS. 3,800	API GRAVITY 42.20	BTU - GAS	GAS/OIL RATIO 4,336	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Lower Green River	8,820
				Wasatch	9,884

35. ADDITIONAL REMARKS (Include plugging procedure)

See attachment for continuation of item 28 for cement balance plug's information and explanation.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Linda Renken

TITLE Proration Analyst

SIGNATURE

*Linda Renken*

DATE 12/1/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

**Attachment to Well Completion Report**

**Form 8 Dated December 1, 2011**

**Well Name: Hurley 2-33A1**

**Items #27 and #28 Continued**

**27. Perforation Record**

<b>Interval (Top/Bottom – MD)</b>	<b>Size</b>	<b>No. of Holes</b>	<b>Perf. Status</b>
12610 – 12781	2-3/4	45	Open
12843 – 13008	2-3/4	45	Open
13077 – 13219	2-3/4	45	Open
13259 – 13592	2-3/4	60	Open

**28. Acid, Fracture, Treatment, Cement Squeeze, Etc.**

<b>Depth Interval</b>	<b>Amount and Type of Material</b>
12610 – 12781	Acidize w/4326 gals 15% HCL. Frac w/3500 #'s 100 mesh & 86280 #'s SinterLite Bauxite 20/40.
12360 - 12525	Acidize w/4998 gals 15% HCL. Frac w/5000 #'s 100 mesh & 94901 #'s SinterLite Bauxite 20/40.
12105 - 12311	Acidize w/4410 gals 15% HCL. Frac w/5000 #'s 100 mesh & 97670 #'s SinterLite Bauxite 20/40.
11946 - 12090	Acidize w/3990 gals 15% HCL. Frac w/5500 #'s 100 mesh & 97868 #'s SinterLite Bauxite 20/40.
11692 – 11867	Acidize w/4704 gals 15% HCL. Frac w/8000 #'s 100 mesh & 109111 #'s SinterLite Bauxite 20/40.
7588 – 8694	Pumped balance plug with 396 sx Class G
7175 – 8386	Pumped balance plug with 435 sx Class G
7296 – 7896	Pumped balance plug with 216 sx Class G
7029 – 7905	Pumped balance plug with 290 sx Class G
6589 – 7089	Pumped balance plug with 180 sx Class G
6450 – 7854	Pumped balance plug with 360 sx Class G
6450 – 8694	Drill out cement plugs.

**Remarks for balance plugs:** During drilling operations at approximately 8345' we starting losing mud to the formation and lost circulation pressures. After changing mud densities with no success, cement plugs were pumped to seal off mud leakage. Then, during cement operations the drill pipe got stuck in the hole. Top of fish @ 8228'. Wellbore had to be whipstocked around fish from 8182' to 8196'. This is still a vertical well.

**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

**Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective:

**6/1/2012**

<b>FROM: (Old Operator):</b> N3065- El Paso E&P Company, L.P. 1001 Louisiana Street Houston, TX. 77002  Phone: 1 (713) 997-5038	<b>TO: ( New Operator):</b> N3850- EP Energy E&P Company, L.P. 1001 Louisiana Street Houston, TX. 77002  Phone: 1 (713) 997-5038
--	---

WELL NAME	CA No.	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List									

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- 4a. Is the new operator registered in the State of Utah:          Business Number: 2114377-0181
- 5a. (R649-9-2)Waste Management Plan has been received on:          Yes
- 5b. Inspections of LA PA state/fee well sites complete on:          N/A
- 5c. Reports current for Production/Disposition & Sundries on:          6/25/2012
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on:          BLM          N/A          BIA          Not Received
7. **Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on:          N/A
8. **Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on:          N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:          **Second Oper Chg**

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on:          6/29/2012
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on:          6/29/2012
3. Bond information entered in RBDMS on:          6/29/2012
4. Fee/State wells attached to bond in RBDMS on:          6/29/2012
5. Injection Projects to new operator in RBDMS on:          6/29/2012
6. Receipt of Acceptance of Drilling Procedures for APD/New on:          N/A

**BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number:          103601420
2. Indian well(s) covered by Bond Number:          103601473
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number          400JU0705
- 3b. The **FORMER** operator has requested a release of liability from their bond on:          N/A

**LEASE INTEREST OWNER NOTIFICATION:**

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:          6/29/2012

**COMMENTS:**

Disposal and Injections wells will be moved when UIC 5 is received.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**Multiple Leases**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
**See Attached**

2. NAME OF OPERATOR:  
**El Paso E&P Company, L.P. Attn: Maria Gomez**

9. API NUMBER:

3. ADDRESS OF OPERATOR:  
1001 Louisiana CITY Houston STATE TX ZIP 77002 PHONE NUMBER:  
(713) 997-5038

10. FIELD AND POOL, OR WILDCAT:  
**See Attached**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **See Attached**

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

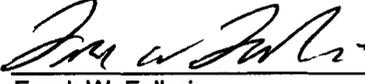
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>Change of</b> <b>Name/Operator</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.

  
Frank W. Falleri  
Vice President  
El Paso E&P Company, L.P.

  
Frank W. Falleri  
Sr. Vice President  
EP Energy E&P Company, L.P.

NAME (PLEASE PRINT) Maria S. Gomez

TITLE Principal Regulatory Analyst

SIGNATURE Maria S. Gomez

DATE 6/22/2012

(This space for State use only)

RECEIVED

JUN 25 2012

DIV. OF OIL, GAS & MINING

APPROVED 6/29/2012

Rachel Medina

(See Instructions on Reverse Side)

Division of Oil, Gas and Mining

Earlene Russell, Engineering Technician

Rachel Medina

Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Well Type	Well Status	Conf
DWR 3-17C6	17	030S	060W	4301350070		14204621118	OW	APD	C
LAKEWOOD ESTATES 3-33C6	33	030S	060W	4301350127		1420H621328	OW	APD	C
YOUNG 3-15A3	15	010S	030W	4301350122		FEE	OW	APD	C
WHITING 4-1A2	01	010S	020W	4301350424		Fee	OW	APD	C
EL PASO 4-34A4	34	010S	040W	4301350720		Fee	OW	APD	C
YOUNG 2-2B1	02	020S	010W	4304751180		FEE	OW	APD	C
LAKE FORK RANCH 3-10B4	10	020S	040W	4301350712	18221	Fee	OW	DRL	C
LAKE FORK RANCH 4-26B4	26	020S	040W	4301350714	18432	Fee	OW	DRL	C
LAKE FORK RANCH 4-24B4	24	020S	040W	4301350717	18315	Fee	OW	DRL	C
Cook 4-14B3	14	020S	030W	4301351162	18449	Fee	OW	DRL	C
Peterson 4-22C6	22	030S	060W	4301351163	18518	Fee	OW	DRL	C
Lake Fork Ranch 4-14B4	14	020S	040W	4301351240	99999	Fee	OW	DRL	C
Melesco 4-20C6	20	030S	060W	4301351241	99999	Fee	OW	DRL	C
Peck 3-13B5	13	020S	050W	4301351364	99999	Fee	OW	DRL	C
Jensen 2-9C4	09	030S	040W	4301351375	99999	Fee	OW	DRL	C
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	C
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERRHANSLY 2-2A1	02	010S	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15	030S	060W	4301351433		14-20-H62-4724	OW	NEW	C
Lake Fork Ranch 5-23B4	23	020S	040W	4301350739		Fee	OW	NEW	
Duchesne Land 4-10C5	10	030S	050W	4301351262		Fee	OW	NEW	C
Cabinland 4-9B3	09	020S	030W	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02	020S	030W	4301351389		Fee	OW	NEW	C
Golinski 4-24B5	24	020S	050W	4301351404		Fee	OW	NEW	C
Alba 1-21C4	21	030S	040W	4301351460		Fee	OW	NEW	C
Allison 4-19C5	19	030S	050W	4301351466		Fee	OW	NEW	C
Seeley 4-3B3	03	020S	030W	4301351486		Fee	OW	NEW	C
Allen 4-25B5	25	020S	050W	4301351487		Fee	OW	NEW	C
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	C
Young 2-7C4	07	030S	040W	4301351500		Fee	OW	NEW	C
Brighton 3-31A1E	31	010S	010E	4304752471		Fee	OW	NEW	C
Hamaker 3-25A1	25	010S	010W	4304752491		Fee	OW	NEW	C
Bolton 3-29A1E	29	010S	010E	4304752871		Fee	OW	NEW	C
HORROCKS 5-20A1	20	010S	010W	4301334280	17378	FEE	OW	OPS	C
DWR 3-19C6	19	030S	060W	4301334263	17440	14-20-462-1120	OW	P	
DWR 3-22C6	22	030S	060W	4301334106	17298	14-20-462-1131	OW	P	
DWR 3-28C6	28	030S	060W	4301334264	17360	14-20-462-1323	OW	P	
UTE 1-7A2	07	010S	020W	4301330025	5850	14-20-462-811	OW	P	
UTE 2-17C6	17	030S	060W	4301331033	10115	14-20-H62-1118	OW	P	
WLR TRIBAL 2-19C6	19	030S	060W	4301331035	10250	14-20-H62-1120	OW	P	
CEDAR RIM 10-A-15C6	15	030S	060W	4301330615	6420	14-20-H62-1128	OW	P	
CEDAR RIM 12A	28	030S	060W	4301331173	10672	14-20-H62-1323	OW	P	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	P	
TAYLOR 3-34C6	34	030S	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34	030S	060W	4301332634	14590	14-20-H62-1329	OW	P	
UTE 3-35Z2 K	35	010N	020W	4301331133	10483	14-20-H62-1614	OW	P	
UTE 1-32Z2	32	010N	020W	4301330379	1915	14-20-H62-1702	OW	P	
UTE TRIBAL 1-33Z2	33	010N	020W	4301330334	1851	14-20-H62-1703	OW	P	
UTE 2-33Z2	33	010N	020W	4301331111	10451	14-20-H62-1703	OW	P	
UTE TRIBAL 2-34Z2	34	010N	020W	4301331167	10668	14-20-H62-1704	OW	P	
LAKE FORK RANCH 3-13B4	13	020S	040W	4301334262	17439	14-20-H62-1743	OW	P	
UTE 1-28B4	28	020S	040W	4301330242	1796	14-20-H62-1745	OW	P	
UTE 1-34A4	34	010S	040W	4301330076	1585	14-20-H62-1774	OW	P	
UTE 1-36A4	36	010S	040W	4301330069	1580	14-20-H62-1793	OW	P	
UTE 1-1B4	01	020S	040W	4301330129	1700	14-20-H62-1798	OW	P	
UTE 1-31A2	31	010S	020W	4301330401	1925	14-20-H62-1801	OW	P	

El Paso E2 Company, L.P. (N3065) to EP Energy E2 Company, L.P. (N3850) effective 6/1/2012

UTE 1-25A3	25	010S	030W	4301330370	1920	14-20-H62-1802	OW	P	
UTE 2-25A3	25	010S	030W	4301331343	11361	14-20-H62-1802	OW	P	
UTE 1-26A3	26	010S	030W	4301330348	1890	14-20-H62-1803	OW	P	
UTE 2-26A3	26	010S	030W	4301331340	11349	14-20-H62-1803	OW	P	
UTE TRIBAL 4-35A3	35	010S	030W	4301350274	18009	1420H621804	OW	P	C
UTE 2-35A3	35	010S	030W	4301331292	11222	14-20-H62-1804	OW	P	
UTE 3-35A3	35	010S	030W	4301331365	11454	14-20-H62-1804	OW	P	
UTE 1-6B2	06	020S	020W	4301330349	1895	14-20-H62-1807	OW	P	
UTE 2-6B2	06	020S	020W	4301331140	11190	14-20-H62-1807	OW	P	
UTE TRIBAL 3-6B2	06	020S	020W	4301350273	18008	14-20-H62-1807	OW	P	C
POWELL 4-19A1	19	010S	010W	4301330071	8302	14-20-H62-1847	OW	P	
COLTHARP 1-27Z1	27	010N	010W	4301330151	4700	14-20-H62-1933	OW	P	
UTE 1-8A1E	08	010S	010E	4304730173	1846	14-20-H62-2147	OW	P	
UTE TRIBE 1-31	31	010N	020W	4301330278	4755	14-20-H62-2421	OW	P	
UTE 1-28B6X	28	020S	060W	4301330510	11165	14-20-H62-2492	OW	P	
RINKER 2-21B5	21	020S	050W	4301334166	17299	14-20-H62-2508	OW	P	
MURDOCK 2-34B5	34	020S	050W	4301331132	10456	14-20-H62-2511	OW	P	
UTE 1-35B6	35	020S	060W	4301330507	2335	14-20-H62-2531	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	14-20-H62-2658	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	14-20-H62-2658	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	14-20-H62-2662	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	14-20-H62-2717	OW	P	
UTE TRIBAL P-3B1E	03	020S	010E	4304730190	4536	14-20-H62-2873	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	14-20-H62-3103	OW	P	
B H UTE 1-35C6	35	030S	060W	4301330419	10705	14-20-H62-3436	OW	P	
BH UTE 2-35C6	35	030S	060W	4301332790	15802	14-20-H62-3436	OW	P	
MCFARLANE 1-4D6	04	040S	060W	4301331074	10325	14-20-H62-3452	OW	P	
UTE TRIBAL 1-11D6	11	040S	060W	4301330482	6415	14-20-H62-3454	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	14-20-H62-3806	OW	P	
UTE 2-14C6	14	030S	060W	4301330775	9133	14-20-H62-3809	OW	P	
DWR 3-14C6	14	030S	060W	4301334003	17092	14-20-H62-3809	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	14-20-H62-3855	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	14-20-H62-3860	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	14-20-H62-3868	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	14-20-H62-3880	OW	P	
UTE TRIBAL 1-30Z1	30	010N	010W	4301330813	9405	14-20-H62-3910	OW	P	
UTE LB 1-13A3	13	010S	030W	4301330894	9402	14-20-H62-3980	OW	P	
UTE 2-22B6	22	020S	060W	4301331444	11641	14-20-H62-4614	OW	P	
UINTA OURAY 1-1A3	01	010S	030W	4301330132	5540	14-20-H62-4664	OW	P	
UTE 1-6D6	06	040S	060W	4301331696	12058	14-20-H62-4752	OW	P	
UTE 2-11D6	11	040S	060W	4301350179	17667	1420H624801	OW	P	
UTE 1-15D6	15	040S	060W	4301330429	10958	14-20-H62-4824	OW	P	
UTE 2-15D6	15	040S	060W	4301334026	17193	14-20-H62-4824	OW	P	
HILL 3-24C6	24	030S	060W	4301350293	18020	1420H624866	OW	P	C
BARCLAY UTE 2-24C6R	24	030S	060W	4301333730	16385	14-20-H62-4866	OW	P	
BROTHERSON 1-2B4	02	020S	040W	4301330062	1570	FEE	OW	P	
BOREN 1-24A2	24	010S	020W	4301330084	5740	FEE	OW	P	
FARNSWORTH 1-13B5	13	020S	050W	4301330092	1610	FEE	OW	P	
BROADHEAD 1-21B6	21	020S	060W	4301330100	1595	FEE	OW	P	
ASAY E J 1-20A1	20	010S	010W	4301330102	8304	FEE	OW	P	
HANSON TRUST 1-5B3	05	020S	030W	4301330109	1635	FEE	OW	P	
ELLSWORTH 1-8B4	08	020S	040W	4301330112	1655	FEE	OW	P	
ELLSWORTH 1-9B4	09	020S	040W	4301330118	1660	FEE	OW	P	
ELLSWORTH 1-17B4	17	020S	040W	4301330126	1695	FEE	OW	P	
CHANDLER 1-5B4	05	020S	040W	4301330140	1685	FEE	OW	P	
HANSON 1-32A3	32	010S	030W	4301330141	1640	FEE	OW	P	
JESSEN 1-17A4	17	010S	040W	4301330173	4725	FEE	OW	P	

El Paso E3 Company, L.P. (N3065) to EP Energy E3 Company, L.P. (N3850) effective 6/1/2012

JENKINS 1-1B3	01	020S	030W	4301330175	1790	FEE	OW	P
GOODRICH 1-2B3	02	020S	030W	4301330182	1765	FEE	OW	P
ELLSWORTH 1-19B4	19	020S	040W	4301330183	1760	FEE	OW	P
DOYLE 1-10B3	10	020S	030W	4301330187	1810	FEE	OW	P
JOS. SMITH 1-17C5	17	030S	050W	4301330188	5510	FEE	OW	P
RUDY 1-11B3	11	020S	030W	4301330204	1820	FEE	OW	P
CROOK 1-6B4	06	020S	040W	4301330213	1825	FEE	OW	P
HUNT 1-21B4	21	020S	040W	4301330214	1840	FEE	OW	P
LAWRENCE 1-30B4	30	020S	040W	4301330220	1845	FEE	OW	P
YOUNG 1-29B4	29	020S	040W	4301330246	1791	FEE	OW	P
GRIFFITHS 1-33B4	33	020S	040W	4301330288	4760	FEE	OW	P
POTTER 1-2B5	02	020S	050W	4301330293	1826	FEE	OW	P
BROTHERSON 1-26B4	26	020S	040W	4301330336	1856	FEE	OW	P
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	FEE	OW	P
POTTER 1-24B5	24	020S	050W	4301330356	1730	FEE	OW	P
WHITEHEAD 1-22A3	22	010S	030W	4301330357	1885	FEE	OW	P
CHASEL MILLER 2-1A2	01	010S	020W	4301330360	5830	FEE	OW	P
ELDER 1-13B2	13	020S	020W	4301330366	1905	FEE	OW	P
BROTHERSON 2-10B4	10	020S	040W	4301330443	1615	FEE	OW	P
FARNSWORTH 2-7B4	07	020S	040W	4301330470	1935	FEE	OW	P
TEW 1-15A3	15	010S	030W	4301330529	1945	FEE	OW	P
UTE FEE 2-20C5	20	030S	050W	4301330550	4527	FEE	OW	P
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	FEE	OW	P
GALLOWAY 1-18B1	18	020S	010W	4301330575	2365	FEE	OW	P
SMITH 1-31B5	31	020S	050W	4301330577	1955	FEE	OW	P
LEBEAU 1-34A1	34	010S	010W	4301330590	1440	FEE	OW	P
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	P
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	P
POWELL 1-21B1	21	020S	010W	4301330621	910	FEE	OW	P
HANSEN 1-24B3	24	020S	030W	4301330629	2390	FEE	OW	P
OMAN 2-4B4	04	020S	040W	4301330645	9125	FEE	OW	P
DYE 1-25Z2	25	010N	020W	4301330659	9111	FEE	OW	P
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	P
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	P
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	FEE	OW	P
CHRISTENSEN 2-8B3	08	020S	030W	4301330780	9355	FEE	OW	P
LAMICQ 2-5B2	05	020S	020W	4301330784	2302	FEE	OW	P
BROTHERSON 2-14B4	14	020S	040W	4301330815	10450	FEE	OW	P
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	P
HORROCKS 2-20A1 V	20	010S	010W	4301330833	8301	FEE	OW	P
BROTHERSON 2-2B4	02	020S	040W	4301330855	8420	FEE	OW	P
ELLSWORTH 2-8B4	08	020S	040W	4301330898	2418	FEE	OW	P
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	P
BELCHER 2-33B4	33	020S	040W	4301330907	9865	FEE	OW	P
BROTHERSON 2-35B5	35	020S	050W	4301330908	9404	FEE	OW	P
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	P
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P
CHANDLER 2-5B4	05	020S	040W	4301331000	10075	FEE	OW	P
BABCOCK 2-12B4	12	020S	040W	4301331005	10215	FEE	OW	P
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	FEE	OW	P
BLEAZARD 2-18B4	18	020S	040W	4301331025	1566	FEE	OW	P
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P
ELLSWORTH 2-16B4	16	020S	040W	4301331046	10217	FEE	OW	P
RUST 3-4B3	04	020S	030W	4301331070	1576	FEE	OW	P
HANSON TRUST 2-32A3	32	010S	030W	4301331072	1641	FEE	OW	P
BROTHERSON 2-11B4	11	020S	040W	4301331078	1541	FEE	OW	P

El Paso E4 Company, L.P. (N3065) to EP Energy E4 Company, L.P. (N3850) effective 6/1/2012

HANSON TRUST 2-5B3	05	020S	030W	4301331079	1636	FEE	OW	P
BROTHERSON 2-15B4	15	020S	040W	4301331103	1771	FEE	OW	P
MONSEN 2-27A3	27	010S	030W	4301331104	1746	FEE	OW	P
ELLSWORTH 2-19B4	19	020S	040W	4301331105	1761	FEE	OW	P
HUNT 2-21B4	21	020S	040W	4301331114	1839	FEE	OW	P
JENKINS 2-1B3	01	020S	030W	4301331117	1792	FEE	OW	P
POTTER 2-24B5	24	020S	050W	4301331118	1731	FEE	OW	P
POWELL 2-13A2 K	13	010S	020W	4301331120	8306	FEE	OW	P
JENKINS 2-12B3	12	020S	030W	4301331121	10459	FEE	OW	P
MURDOCK 2-26B5	26	020S	050W	4301331124	1531	FEE	OW	P
BIRCH 3-27B5	27	020S	050W	4301331126	1783	FEE	OW	P
ROBB 2-29B5	29	020S	050W	4301331130	10454	FEE	OW	P
LAKE FORK 2-13B4	13	020S	040W	4301331134	10452	FEE	OW	P
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	P
HANSON 2-9B3	09	020S	030W	4301331136	10455	FEE	OW	P
ELLSWORTH 2-9B4	09	020S	040W	4301331138	10460	FEE	OW	P
UTE 2-31A2	31	010S	020W	4301331139	10458	FEE	OW	P
POWELL 2-19A1 K	19	010S	010W	4301331149	8303	FEE	OW	P
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	P
POTTER 2-6B4	06	020S	040W	4301331249	11038	FEE	OW	P
MILES 2-1B5	01	020S	050W	4301331257	11062	FEE	OW	P
MILES 2-3B3	03	020S	030W	4301331261	11102	FEE	OW	P
MONSEN 2-22A3	22	010S	030W	4301331265	11098	FEE	OW	P
WRIGHT 2-13B5	13	020S	050W	4301331267	11115	FEE	OW	P
TODD 2-21A3	21	010S	030W	4301331296	11268	FEE	OW	P
WEIKART 2-29B4	29	020S	040W	4301331298	11332	FEE	OW	P
YOUNG 2-15A3	15	010S	030W	4301331301	11344	FEE	OW	P
CHRISTENSEN 2-29A4	29	010S	040W	4301331303	11235	FEE	OW	P
BLEAZARD 2-28B4	28	020S	040W	4301331304	11433	FEE	OW	P
REARY 2-17A3	17	010S	030W	4301331318	11251	FEE	OW	P
LAZY K 2-11B3	11	020S	030W	4301331352	11362	FEE	OW	P
LAZY K 2-14B3	14	020S	030W	4301331354	11452	FEE	OW	P
MATTHEWS 2-13B2	13	020S	020W	4301331357	11374	FEE	OW	P
LAKE FORK 3-15B4	15	020S	040W	4301331358	11378	FEE	OW	P
STEVENSON 3-29A3	29	010S	030W	4301331376	11442	FEE	OW	P
MEEKS 3-8B3	08	020S	030W	4301331377	11489	FEE	OW	P
ELLSWORTH 3-20B4	20	020S	040W	4301331389	11488	FEE	OW	P
DUNCAN 5-13A2	13	010S	020W	4301331516	11776	FEE	OW	P
OWL 3-17C5	17	030S	050W	4301332112	12476	FEE	OW	P
BROTHERSON 2-24 B4	24	020S	040W	4301332695	14652	FEE	OW	P
BODRERO 2-15B3	15	020S	030W	4301332755	14750	FEE	OW	P
BROTHERSON 2-25B4	25	020S	040W	4301332791	15044	FEE	OW	P
CABINLAND 2-16B3	16	020S	030W	4301332914	15236	FEE	OW	P
KATHERINE 3-29B4	29	020S	040W	4301332923	15331	FEE	OW	P
SHRINERS 2-10C5	10	030S	050W	4301333008	15908	FEE	OW	P
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	P
MORTENSEN 4-32A2	32	010S	020W	4301333211	15720	FEE	OW	P
FERRARINI 3-27B4	27	020S	040W	4301333265	15883	FEE	OW	P
RHOADES 2-25B5	25	020S	050W	4301333467	16046	FEE	OW	P
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P
ANDERSON-ROWLEY 2-24B3	24	020S	030W	4301333616	16284	FEE	OW	P
SPROUSE BOWDEN 2-18B1	18	020S	010W	4301333808	16677	FEE	OW	P
BROTHERSON 3-11B4	11	020S	040W	4301333904	16891	FEE	OW	P
KOFFORD 2-36B5	36	020S	050W	4301333988	17048	FEE	OW	P
ALLEN 3-7B4	07	020S	040W	4301334027	17166	FEE	OW	P
BOURNAKIS 3-18B4	18	020S	040W	4301334091	17264	FEE	OW	P
MILES 3-12B5	12	020S	050W	4301334110	17316	FEE	OW	P
OWL and HAWK 2-31B5	31	020S	050W	4301334123	17388	FEE	OW	P

El Paso E5 Company, L.P. (N3065) to EP Energy E5 Company, L.P. (N3850) effective 6/1/2012

OWL and HAWK 4-17C5	17	030S	050W	4301334193	17387	FEE	OW	P	
DWR 3-32B5	32	020S	050W	4301334207	17371	FEE	OW	P	
LAKE FORK RANCH 3-22B4	22	020S	040W	4301334261	17409	FEE	OW	P	
HANSON 3-9B3	09	020S	030W	4301350065	17570	FEE	OW	P	
DYE 2-28A1	28	010S	010W	4301350066	17531	FEE	OW	P	
MEEKS 3-32A4	32	010S	040W	4301350069	17605	FEE	OW	P	
HANSON 4-8B3	08	020S	030W	4301350088	17571	FEE	OW	P	C
LAKE FORK RANCH 3-14B4	14	020S	040W	4301350097	17484	FEE	OW	P	
ALLEN 3-9B4	09	020S	040W	4301350123	17656	FEE	OW	P	
HORROCKS 4-20A1	20	010S	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	010S	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHIODO 3-20C5	20	030S	050W	4301350190	17541	FEE	OW	P	
ALLEN 3-8B4	08	020S	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	030S	050W	4301350193	17532	FEE	OW	P	
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	P	
EL PASO 4-29B5	29	020S	050W	4301350208	17934	FEE	OW	P	C
DONIHUE 3-20C6	20	030S	060W	4301350270	17762	FEE	OW	P	
HANSON 3-5B3	05	020S	030W	4301350275	17725	FEE	OW	P	C
SPRATT 3-26B5	26	020S	050W	4301350302	17668	FEE	OW	P	
REBEL 3-35B5	35	020S	050W	4301350388	17911	FEE	OW	P	C
FREEMAN 4-16B4	16	020S	040W	4301350438	17935	Fee	OW	P	C
WILSON 3-36B5	36	020S	050W	4301350439	17936	Fee	OW	P	C
EL PASO 3-21B4	21	020S	040W	4301350474	18123	Fee	OW	P	C
IORG 4-12B3	12	020S	030W	4301350487	17981	Fee	OW	P	C
CONOVER 3-3B3	03	020S	030W	4301350526	18122	Fee	OW	P	C
ROWLEY 3-16B4	16	020S	040W	4301350569	18151	Fee	OW	P	C
POTTS 3-14B3	14	020S	030W	4301350570	18366	Fee	OW	P	C
POTTER 4-27B5	27	020S	050W	4301350571	99999	Fee	OW	P	C
EL PASO 4-21B4	21	020S	040W	4301350572	18152	Fee	OW	P	C
LAKE FORK RANCH 3-26B4	26	020S	040W	4301350707	18270	Fee	OW	P	C
LAKE FORK RANCH 3-25B4	25	020S	040W	4301350711	18220	Fee	OW	P	C
LAKE FORK RANCH 4-23B4	23	020S	040W	4301350713	18271	Fee	OW	P	C
LAKE FORK RANCH 4-15B4	15	020S	040W	4301350715	18314	Fee	OW	P	C
LAKE FORK RANCH 3-24B4	24	020S	040W	4301350716	18269	Fee	OW	P	C
GOLINSKI 1-8C4	08	030S	040W	4301350986	18301	Fee	OW	P	C
J ROBERTSON 1-1B1	01	020S	010W	4304730174	5370	FEE	OW	P	
TIMOTHY 1-8B1E	08	020S	010E	4304730215	1910	FEE	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	FEE	OW	P	
NELSON 1-31A1E	31	010S	010E	4304730671	830	FEE	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	FEE	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	FEE	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	FEE	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	FEE	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	FEE	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	FEE	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	FEE	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	FEE	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	FEE	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23	010N	010W	4304731479	10310	FEE	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	FEE	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	FEE	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	FEE	OW	P	
WINN P2-3B1E	03	020S	010E	4304732321	11428	FEE	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	FEE	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	FEE	OW	P	

El Paso E6 Company, L.P. (N3065) to EP Energy E6 Company, L.P. (N3850) effective 6/1/2012

HARVEST FELLOWSHIP CHURCH 2-14B1	14	020S	010W	4304739591	16546	FEE	OW	P
OBERHANSLY 3-11A1	11	010S	010W	4304739679	17937	FEE	OW	P
DUNCAN 2-34A1	34	010S	010W	4304739944	17043	FEE	OW	P
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	FEE	OW	P
KILLIAN 3-12A1	12	010S	010W	4304740226	17761	ML 39760	OW	P
WAINOCO ST 1-14B1	14	020S	010W	4304730818	1420	ML-24306-A	OW	P
UTAH ST UTE 1-35A1	35	010S	010W	4304730182	5520	ML-25432	OW	P
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	P
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	P
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	P
BLANCHARD 1-3A2	03	010S	020W	4301320316	5877	FEE	OW	PA
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA
JAMES POWELL 3	13	010S	020W	4301330024	8305	FEE	WD	PA
BASTIAN 1 (3-7D)	07	010S	010W	4301330026	5800	FEE	OW	PA
LAMICQ-URRUTY 1-8A2	08	010S	020W	4301330036	5975	FEE	OW	PA
BLEAZARD 1-18B4	18	020S	040W	4301330059	11262	FEE	OW	PA
OLSEN 1-27A4	27	010S	040W	4301330064	1565	FEE	OW	PA
EVANS 1-31A4	31	010S	040W	4301330067	5330	FEE	OW	PA
HAMBLIN 1-26A2	26	010S	020W	4301330083	2305	FEE	OW	PA
HARTMAN 1-31A3	31	010S	030W	4301330093	10700	FEE	OW	PA
FARNSWORTH 1-7B4	07	020S	040W	4301330097	5725	FEE	OW	PA
POWELL 1-33A3	33	010S	030W	4301330105	4526	FEE	OW	PA
LOTRIDGE GATES 1-3B3	03	020S	030W	4301330117	1625	FEE	OW	PA
REMINGTON 1-34A3	34	010S	030W	4301330139	1670	FEE	OW	PA
ANDERSON 1-28A2	28	010S	020W	4301330150	5895	FEE	OW	PA
RHOADES MOON 1-35B5	35	020S	050W	4301330155	5270	FEE	OW	PA
JOHN 1-3B2	03	020S	020W	4301330160	5765	FEE	OW	PA
SMITH 1-6C5	06	030S	050W	4301330163	5385	FEE	OW	PA
HORROCKS FEE 1-3A1	03	010S	010W	4301330171	5505	FEE	OW	PA
WARREN 1-32A4	32	010S	040W	4301330174	9139	FEE	OW	PA
JENSEN FENZEL 1-20C5	20	030S	050W	4301330177	4730	FEE	OW	PA
MYRIN RANCH 1-13B4	13	020S	040W	4301330180	4524	FEE	OW	PA
BROTHERSON 1-27B4	27	020S	040W	4301330185	1775	FEE	OW	PA
JENSEN 1-31A5	31	010S	050W	4301330186	4735	FEE	OW	PA
ROBERTSON 1-29A2	29	010S	020W	4301330189	4740	FEE	OW	PA
WINKLER 1-28A3	28	010S	030W	4301330191	5465	FEE	OW	PA
CHENEY 1-33A2	33	010S	020W	4301330202	1750	FEE	OW	PA
J LAMICQ STATE 1-6B1	06	020S	010W	4301330210	5730	FEE	OW	PA
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA
ROBERTSON UTE 1-2B2	02	020S	020W	4301330225	1710	FEE	OW	PA
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA
BROTHERSON 1-22B4	22	020S	040W	4301330227	5935	FEE	OW	PA
ALLRED 1-16A3	16	010S	030W	4301330232	1780	FEE	OW	PA
BIRCH 1-35A5	35	010S	050W	4301330233	9116	FEE	OW	PA
MARQUERITE UTE 1-8B2	08	020S	020W	4301330235	9122	FEE	OW	PA
BUZZI 1-11B2	11	020S	020W	4301330248	6335	FEE	OW	PA
SHISLER 1-3B1	03	020S	010W	4301330249	5960	FEE	OW	PA
TEW 1-1B5	01	020S	050W	4301330264	5580	FEE	OW	PA
EVANS UTE 1-19B3	19	020S	030W	4301330265	1870	FEE	OW	PA
SHELL 2-27A4	27	010S	040W	4301330266	1776	FEE	WD	PA
DYE 1-29A1	29	010S	010W	4301330271	99990	FEE	OW	PA
VODA UTE 1-4C5	04	030S	050W	4301330283	4530	FEE	OW	PA
BROTHERSON 1-28A4	28	010S	040W	4301330292	9114	FEE	OW	PA
MEAGHER 1-4B2	04	020S	020W	4301330313	8402	FEE	OW	PA
NORLING 1-9B1	09	020S	010W	4301330315	1811	FEE	OW	PA
S. BROADHEAD 1-9C5	09	030S	050W	4301330316	5940	FEE	OW	PA

El Paso E7 Company, L.P. (N3065) to EP Energy E7 Company, L.P. (N3850) effective 6/1/2012

TIMOTHY 1-09A3	09	010S	030W	4301330321	10883	FEE	OW	PA
BARRETT 1-34A5	34	010S	050W	4301330323	9115	FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09	020S	020W	4301330325	9121	FEE	OW	PA
PHILLIPS UTE 1-3C5	03	030S	050W	4301330333	1816	FEE	OW	PA
ELLSWORTH 1-20B4	20	020S	040W	4301330351	6375	FEE	OW	PA
LAWSON 1-28A1	28	010S	010W	4301330358	5915	FEE	OW	PA
AMES 1-23A4	23	010S	040W	4301330375	1901	FEE	OW	PA
HORROCKS 1-6A1	06	010S	010W	4301330390	5675	FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10	030S	050W	4301330393	5565	FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13	010S	020W	4301330478	10708	FEE	WD	PA
BODRERO 1-15B3	15	020S	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	030S	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	010S	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34	010S	020W	4301330753	9117	FEE	OW	PA
GOODRICH 1-24A4	24	010S	040W	4301330760	2415	FEE	OW	PA
CARL SMITH 2-25A4	25	010S	040W	4301330776	9136	FEE	OW	PA
ANDERSON 1-A30B1	30	020S	010W	4301330783	9137	FEE	OW	PA
CADILLAC 3-6A1	06	010S	010W	4301330834	6316	FEE	OW	PA
MCELPRANG 2-31A1	31	010S	010W	4301330836	8439	FEE	OW	PA
REESE ESTATE 2-10B2	10	020S	020W	4301330837	2417	FEE	OW	PA
CLARK 2-9A3	09	010S	030W	4301330876	2416	FEE	OW	PA
JENKINS 3-16A3	16	010S	030W	4301330877	9790	FEE	OW	PA
CHRISTENSEN 2-26A5	26	010S	050W	4301330905	10710	FEE	OW	PA
FORD 2-36A5	36	010S	050W	4301330911	9630	FEE	OW	PA
MORTENSEN 2-32A2	32	010S	020W	4301330929	9486	FEE	OW	PA
WILKERSON 1-20Z1	20	010N	010W	4301330942	5452	FEE	OW	PA
UTE TRIBAL 2-4A3 S	04	010S	030W	4301330950	10230	FEE	OW	PA
OBERHANSLY 2-31Z1	31	010N	010W	4301330970	9262	FEE	OW	PA
MORRIS 2-7A3	07	010S	030W	4301330977	9725	FEE	OW	PA
POWELL 2-08A3	08	010S	030W	4301330979	10175	FEE	OW	PA
FISHER 2-6A3	06	010S	030W	4301330984	10110	FEE	OW	PA
JACOBSEN 2-12A4	12	010S	040W	4301330985	10480	FEE	OW	PA
CHENEY 2-33A2	33	010S	020W	4301331042	10313	FEE	OW	PA
HANSON TRUST 2-29A3	29	010S	030W	4301331043	5306	FEE	OW	PA
BURTON 2-15B5	15	020S	050W	4301331044	10205	FEE	OW	PA
EVANS-UTE 2-17B3	17	020S	030W	4301331056	10210	FEE	OW	PA
ELLSWORTH 2-20B4	20	020S	040W	4301331090	5336	FEE	OW	PA
REMINGTON 2-34A3	34	010S	030W	4301331091	1902	FEE	OW	PA
WINKLER 2-28A3	28	010S	030W	4301331109	4519	FEE	OW	PA
TEW 2-10B5	10	020S	050W	4301331125	1751	FEE	OW	PA
LINDSAY 2-33A4	33	010S	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	010S	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3	20	010S	030W	4301331505	11691	FEE	OW	PA
SMITH 2X-23C7	23	030S	070W	4301331634	12382	FEE	D	PA
MORTENSEN 3-32A2	32	010S	020W	4301331872	11928	FEE	OW	PA
TODD USA ST 1-2B1	02	020S	010W	4304730167	99998	FEE	OW	PA
STATE 1-7B1E	07	020S	010E	4304730180	5555	FEE	OW	PA
BACON 1-10B1E	10	020S	010E	4304730881	5550	FEE	OW	PA
PARIETTE DRAW 28-44	28	040S	010E	4304731408	4537	FEE	OW	PA
REYNOLDS 2-7B1E	07	020S	010E	4304731840	4960	FEE	OW	PA
STATE 2-35A2	35	010S	020W	4301330156	4715	ML-22874	OW	PA
UTAH STATE L B 1-11B1	11	020S	010W	4304730171	5530	ML-23655	OW	PA
STATE 1-8A3	08	010S	030W	4301330286	5655	ML-24316	OW	PA
UTAH FEDERAL 1-24B1	24	020S	010W	4304730220	590	ML-26079	OW	PA
CEDAR RIM 15	34	030S	060W	4301330383	6395	14-20-462-1329	OW	S

El Paso E8 Company, L.P. (N3065) to EP Energy E8 Company, L.P. (N3850) effective 6/1/2012

UTE TRIBAL 2-24C7	24	030S	070W	4301331028	10240	14-20-H62-1135	OW	S	
CEDAR RIM 12	28	030S	060W	4301330344	6370	14-20-H62-1323	OW	S	
CEDAR RIM 16	33	030S	060W	4301330363	6390	14-20-H62-1328	OW	S	
SPRING HOLLOW 2-34Z3	34	010N	030W	4301330234	5255	14-20-H62-1480	OW	S	
EVANS UTE 1-17B3	17	020S	030W	4301330274	5335	14-20-H62-1733	OW	S	
UTE JENKS 2-1-B4 G	01	020S	040W	4301331197	10844	14-20-H62-1782	OW	S	
UTE 3-12B3	12	020S	030W	4301331379	11490	14-20-H62-1810	OW	S	
UTE TRIBAL 9-4B1	04	020S	010W	4301330194	5715	14-20-H62-1969	OW	S	
UTE TRIBAL 2-21B6	21	020S	060W	4301331424	11615	14-20-H62-2489	OW	S	
UTE 1-33B6	33	020S	060W	4301330441	1230	14-20-H62-2493	OW	S	
UTE 2-22B5	22	020S	050W	4301331122	10453	14-20-H62-2509	OW	S	
UTE 1-18B1E	18	020S	010E	4304730969	9135	14-20-H62-2864	OW	S	
LAUREN UTE 1-23A3	23	010S	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	020S	060W	4301331434	11624	14-20-H62-4622	OW	S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631	OW	S	
CEDAR RIM 10-15C6	15	030S	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24	030S	060W	4301330298	4533	14-20-H62-4866	OW	S	
UTE TRIBAL FEDERAL 1-30C5	30	030S	050W	4301330475	665	14-20-H62-4876	OW	S	
SMB 1-10A2	10	010S	020W	4301330012	5865	FEE	OW	S	
KENDALL 1-12A2	12	010S	020W	4301330013	5875	FEE	OW	S	
CEDAR RIM 2	20	030S	060W	4301330019	6315	FEE	OW	S	
URRUTY 2-9A2	09	010S	020W	4301330046	5855	FEE	OW	S	
BROTHERSON 1-14B4	14	020S	040W	4301330051	1535	FEE	OW	S	
RUST 1-4B3	04	020S	030W	4301330063	1575	FEE	OW	S	
MONSEN 1-21A3	21	010S	030W	4301330082	1590	FEE	OW	S	
BROTHERSON 1-10B4	10	020S	040W	4301330110	1614	FEE	OW	S	
FARNSWORTH 1-12B5	12	020S	050W	4301330124	1645	FEE	OW	S	
ELLSWORTH 1-16B4	16	020S	040W	4301330192	1735	FEE	OW	S	
MARSHALL 1-20A3	20	010S	030W	4301330193	9340	FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31	020S	040W	4301330198	4745	FEE	OW	S	
ROPER 1-14B3	14	020S	030W	4301330217	1850	FEE	OW	S	
BROTHERSON 1-24B4	24	020S	040W	4301330229	1865	FEE	OW	S	
BROTHERSON 1-33A4	33	010S	040W	4301330272	1680	FEE	OW	S	
BROTHERSON 1-23B4	23	020S	040W	4301330483	8423	FEE	OW	S	
SMITH ALBERT 2-8C5	08	030S	050W	4301330543	5495	FEE	OW	S	
VODA JOSEPHINE 2-19C5	19	030S	050W	4301330553	5650	FEE	OW	S	
HANSEN 1-16B3	16	020S	030W	4301330617	9124	FEE	OW	S	
BROTHERSON 1-25B4	25	020S	040W	4301330668	9126	FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	020S	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15	010S	040W	4301330817	9345	FEE	OW	S	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	FEE	OW	S	
FIELDSTED 2-27A4	27	010S	040W	4301330915	9632	FEE	OW	S	
HANSKUTT 2-23B5	23	020S	050W	4301330917	9600	FEE	OW	S	
TIMOTHY 3-18A3	18	010S	030W	4301330940	9633	FEE	OW	S	
BROTHERSON 2-3B4	03	020S	040W	4301331008	10165	FEE	OW	S	
BROTHERSON 2-22B4	22	020S	040W	4301331086	1782	FEE	OW	S	
MILES 2-35A4	35	010S	040W	4301331087	1966	FEE	OW	S	
ELLSWORTH 2-17B4	17	020S	040W	4301331089	1696	FEE	OW	S	
RUST 2-36A4	36	010S	040W	4301331092	1577	FEE	OW	S	
EVANS 2-19B3	19	020S	030W	4301331113	1777	FEE	OW	S	
FARNSWORTH 2-12B5	12	020S	050W	4301331115	1646	FEE	OW	S	
CHRISTENSEN 3-4B4	04	020S	040W	4301331142	10481	FEE	OW	S	
ROBERTSON 2-29A2	29	010S	020W	4301331150	10679	FEE	OW	S	
CEDAR RIM 2A	20	030S	060W	4301331172	10671	FEE	OW	S	

El Paso E9 Company, L.P. (N3065) to EP Energy E9 Company, L.P. (N3850) effective 6/1/2012

HARTMAN 2-31A3	31	010S	030W	4301331243	11026	FEE	OW	S	
GOODRICH 2-2B3	02	020S	030W	4301331246	11037	FEE	OW	S	
JESSEN 2-21A4	21	010S	040W	4301331256	11061	FEE	OW	S	
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S	
MYRIN RANCH 2-18B3	18	020S	030W	4301331297	11475	FEE	OW	S	
BROTHERSON 2-2B5	02	020S	050W	4301331302	11342	FEE	OW	S	
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S	
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S	
IORG 2-10B3	10	020S	030W	4301331388	11482	FEE	OW	S	
MONSEN 3-27A3	27	010S	030W	4301331401	11686	FEE	OW	S	
HORROCKS 2-5B1E	05	020S	010E	4304732409	11481	FEE	OW	S	
LARSEN 1-25A1	25	010S	010W	4304730552	815	FEE	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	FEE	OW	TA	

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

5 LEASE DESIGNATION AND SERIAL NUMBER:  
**171 079011 0**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6 IF INDIAN ALLOTTEE OR TRIBE NAME

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals

7 UNIT or CA AGREEMENT NAME  
**UTU088070**

1 TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8 WELL NAME and NUMBER  
**Hurley 2-33A1**

2 NAME OF OPERATOR  
**EP Energy E&P Company, L.P.**

9 API NUMBER  
**4301350166**

3 ADDRESS OF OPERATOR  
1001 Louisiana Street Houston TX 77002

PHONE NUMBER  
**(713) 997-5138**

10 FIELD AND POOL, OR WILDCAT  
**Altamont/Bluebell**

4 LOCATION OF WELL  
FOOTAGES AT SURFACE **384' FNL & 676' FEL** COUNTY **Duchesne**  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN **NENE 33 1S 1W U. S. B. & M.** STATE **UTAH**

**11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Date of First Production: 12/12/10

**RECEIVED**

**JUL 25 2012**

DIV OF OIL, GAS & MINING

NAME (PLEASE PRINT) Linda Renken TITLE Regulatory Analyst  
SIGNATURE *Linda Renken* DATE 7/25/2012

(This space for State use only)

**Carol Daniels - Hurley 2-33A1 - Missing Sundry Notice of First Production Date**

**From:** "Renken, Linda G (Linda)" <Linda.Renken@EPEnergy.com>  
**To:** Carol Daniels <caroldaniels@utah.gov>  
**Date:** 7/25/2012 5:16 PM  
**Subject:** Hurley 2-33A1 - Missing Sundry Notice of First Production Date  
**Attachments:** 2-33A1 Form 9, Date of First Production.pdf

Apparently this was never submitted.

**Linda Renken**  
Regulatory Analyst  
EP Energy - Health, Safety, Environmental & Regulatory  
1001 Louisiana Street, Suite 2730B  
Houston, TX 77002  
713.997.5138 (O)  
281.204.7056 (C)

\*\*\*\*\*  
THIS E-MAIL AND ANY MATERIALS TRANSMITTED WITH IT MAY CONTAIN  
CONFIDENTIAL OR PROPRIETARY MATERIAL FOR THE SOLE USE OF THE INTENDED  
RECIPIENT. ANY REVIEW, USE, DISTRIBUTION OR DISCLOSURE BY OTHERS IS STRICTLY  
PROHIBITED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR AUTHORIZED TO RECEIVE  
THE INFORMATION FROM THE RECIPIENT, PLEASE NOTIFY THE SENDER BY REPLY E-  
MAIL AND DELETE ALL COPIES OF THIS MESSAGE.  
\*\*\*\*\*

**RECEIVED**  
**JUL 25 2012**  
**DIV. OF OIL, GAS & MINING**

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> HURLEY 2-33A1	
<b>2. NAME OF OPERATOR:</b> EP ENERGY E&P COMPANY, L.P.	<b>9. API NUMBER:</b> 43013501660000	
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 997-5038 Ext	<b>9. FIELD and POOL or WILDCAT:</b> BLUEBELL
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0384 FNL 0676 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 01.0S Range: 01.0W Meridian: U	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/4/2015  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
OTHER: <input type="text" value="Downsize &amp; Deepen Pump"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Downsize & deepen. See attached.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 29, 2015</b>		
<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 997-5038	<b>TITLE</b> Principal Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/16/2015	

## CENTRAL DIVISION

ALTAMONT FIELD  
HURLEY 2-33A1  
HURLEY 2-33A1  
WORKOVER LAND

### **Operation Summary Report**

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

**1 General****1.1 Customer Information**

Company	CENTRAL DIVISION
Representative	
Address	

**1.2 Well Information**

Well	HURLEY 2-33A1		
Project	ALTAMONT FIELD	Site	HURLEY 2-33A1
Rig Name/No.		Event	WORKOVER LAND
Start date	6/2/2015	End date	
Spud Date/Time	4/7/2010	UWI	033-001-S 001-W 30
Active datum	KB @5,234.0ft (above Mean Sea Level)		
Afe No./Description	165001/54308 / HURLEY 2-33A1		

**2 Summary****2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
6/3/2015	13:30 15:30	2.00	PRDHEQ	18		P		ROAD RIG FROM 2-15B4 TO LOC, SLIDE P.U. BACK SPOT IN & RU RIG
	15:30 19:00	3.50	PRDHEQ	42		P		LD POLISH ROD, PU 2 WORK RODS ATTEMPT TO RETREIVE STANDING VALVE, LD WORK RODS, TOO H W/ 107-1" & 79-7/8" RODS, RODS ARE DRAGGING & PULLING OVER ACTS LIKE TBG IS PARTED, PU POLISH ROD SECURE WELL SDFN
6/4/2015	6:00 7:30	1.50	PRDHEQ	46		P		CT HOLD SAFETY MTG ON USING TAG LINES, WRITE & REVIEW JSA'S
	7:30 8:30	1.00	PRDHEQ	42		P		LD POLISH ROD, CONT TOO H W/ 61-7/8", 81-3/4" RODS, LD 9, 1-12" WT BARS & PLUNGER
	8:30 10:30	2.00	PRDHEQ	18		P		NDWH, PU ON TBG ONLY WEIGHED 10K, NUBOP RU WORK FLOOR, TOO H W/ 37 JTS 2-7/8" TBG TO PART @ 1190' (2-7/8" PIN PART ON BTM OF JT # 37)
	10:30 12:00	1.50	PRDHEQ	18		P		WAIT ON FISHING TOOLS FROM VERNAL UT
	12:00 13:00	1.00	PRDHEQ	18		P		MU & RIH W/ 4-11/16" OVER SHOT DRESSED W/ 3-5/8" GRAPPLE, 38 JTS 2-7/8" TBG, LATCH ONTO FISH & RELEASE 7" TAC
6/5/2015	6:00 7:30	1.50	PRDHEQ	46		P		TOOH LD 28 JTS 2-7/8" TBG & FISHING TOOLS. RU WIRE LINE RIH & PERFORATE TBG ABOVE PUMP BARREL POOH RD W.L., FLUSH TBG, CONT POOH & LD 219 JTS 2-7/8" TBG, 7" TAC, 7 JTS 2-7/8" TBG, PUMP BARREL, 4-1/2" PBGA, 3 JTS 2-7/8" TBG & 5-3/4" SOLID NO-GO, SECURE WELL SDFN
	7:30 17:00	9.50	PRDHEQ	18		P		CT HOLD SAFETY MTG ON PU TBG & OVER HEAD LOADS, WRITE & REVIEW JSA'S
	17:00 19:00	2.00	PRDHEQ	18		P		TALLY MU & RIH W/ 5-3/4" SOLID NO-GO, 2 JTS 2-7/8" TBG, 5-1/2" PBGA, 2' X 2-7/8" N-80 TBG SUB, 2-7/8" +45 P.S.N., 4' X 2-7/8" N-80 TBG SUB, RIG UP HYDRO TESTER, PU 4 JTS 2-7/8" EUE N-80 YELLOW BAND TBG, 7" TAC & 299 JTS 2-7/8" YELLOW BAND TBG TESTING TO 8500 PSI
6/6/2015	17:00 19:00	2.00	PRDHEQ	18		P		RIG DWN HYDRO TESTING EQUIP, SET 7" TAC @ 9541', P.S.N @ 9673' & EOT @ 9774', NDBOP, LAND TBG ON B-FLANGE IN 22K TENSION NUWH, X OVER TO ROD EQUIP, SECURE WELL SDFN

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	6:00 7:30	1.50	PRDHEQ	46		P		TRAVEL TO LOCATION, HSM, P/U RODS & WEIGHT BARS 100# SITP & FCP, BLEED OFF HOT OILER FLUSH TBG W/ 70 BBLS 2% KCL @ 200 DEG, SPOT 10 GAL CORROSION INHIBITOR
	7:30 11:00	3.50	PRDHEQ	42		P		P/U & PRIME WALS 2 1/2" X 1 1/2" X38' RHBC PUMP, RIH W/ 18-1 1/2" K-BARS, TOP 9 NEW 159-3/4" EL RODS W/G, TOP 79 NEW 119-7/8" EL RODS W/G, 86-1" EL RODS SPACE W/ 1" PONY RODS = 2-2', 1-4', 1-6' P/U NEW 1 1/2" X 40' POLISH ROD, HANG OFF
	11:00 12:00	1.00	PMPNG	24		P		HOT OILER FILL TBG W/ 20 BBLS 2% KCL, PSI TEST TO 500#, STROKE TEST TO 1000#, GOODTEST, PSI TEST CV TO 1000#, GOOD, PUMP30 BBLS 2% KCL @ 200 DEG ACROSS FLOWLINE
	12:00 13:30	1.50	PRDHEQ	42		P		RDMO, SLIDE ROTAFLEX IN, CHECK PUMP, GOOD PUMP ACTION, NO TAG, TWOTO. CLEAN LOCATION, SDFN.  2% KCL PUMPED = 150 BBLS DIESEL USED = 52 GAL PROPANE USED = 100 GAL

**Table of Contents**

1	General.....	1
1.1	Customer Information.....	1
1.2	Well Information.....	1
2	Summary.....	1
2.1	Operation Summary.....	1