

FLYING J OIL & GAS INC.

333 WEST CENTER STREET • NORTH SALT LAKE, UTAH 84054
PHONE (801) 296-7700 • FAX (801) 296-7888

June 26, 2008

Hand Delivered

Mr. John Baza
Associate Director
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

RE: Killian 3-12A1
Application for Permit to Drill
Bluebell Field, Uintah County

Dear Mr. Baza:

Enclosed are an APD, Form 3, and appropriate attachments, submitted in duplicate, for the Killian 3-12A1 well proposed as a new Green River development well in the Bluebell Field. This well will be the third Green River formation producer in the Section 12 (640-acre) spacing unit, as allowed under the Utah Division of Oil, Gas & Mining well spacing order dated September 26, 2007 (Docket No. 2007-018, Cause No. 139-79). Your consideration and approval of this application is requested.

Flying J Oil & Gas plans to use fresh water for drilling to the surface casing depth of 2,400 feet. This water will be supplied by Water Disposal Inc. under water permit number 43-11273. Produced water from Flying J operated wells will be used to drill below surface casing under Flying J Oil & Gas Inc. water user number 2617. The surface owner at the proposed well site is Ross Killian, RR 3 Box 3040, Roosevelt, Utah 84066, telephone 435-823-5310.

Thank you for consideration of this application. If you have any questions, or if you need additional information to assist in review and approval of this application, please call me at 801-296-7772.

Sincerely,
Flying J Oil & Gas Inc.

Jordan R. Nelson
Petroleum Engineer

Subsidiary - BIG WEST OIL & GAS INC.

RECEIVED
JUN 26 2008
DIV. OF OIL, GAS & MINING

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL			5. MINERAL LEASE NO: Fee	6. SURFACE: Fee
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. UNIT or CA AGREEMENT NAME: NA	
2. NAME OF OPERATOR: Flying J Oil & Gas Inc.			9. WELL NAME and NUMBER: Killian 3-12A1	
3. ADDRESS OF OPERATOR: 333 W Center St CITY North Salt Lake STATE UT ZIP 84054			PHONE NUMBER: (801) 296-7700	10. FIELD AND POOL OR WILDCAT: Bluebell <i>W5</i>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 660 FSL 660 FEL <i>590194x</i> <i>40.405664</i> AT PROPOSED PRODUCING ZONE: Same <i>44731154</i> <i>-104.937087</i>			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 12 T1S R1W U	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 5.2 miles southeast of Neola, Utah			12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 660	16. NUMBER OF ACRES IN LEASE: 640 +/-	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 640		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 2,411 (completed)	19. PROPOSED DEPTH: 11,200	20. BOND DESCRIPTION: State Blanket #08757276		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5,619 (graded ground)	22. APPROXIMATE DATE WORK WILL START: 9/25/2008	23. ESTIMATED DURATION: 30 days		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
26" +	20"	150	Class G	150+ sks	1.15 cuft/sk	15.8 #/gal
12 1/4"	9 5/8" J-55 36#	2,400	Lead: Type V	310 sks	3.82 cuft/sk	11.0 #/gal
			Tail: Class G	290 sks	1.15 cuft/sk	15.8 #/gal
			Top Out: Class G	150 sks	1.15 cuft/sk	15.8 #/gal
7 7/8"	5 1/2" HCP-110 17#	11,200	Lead: EconoCem V1	530 sks	3.82 cuft/sk	11.0 #/gal
			Tail: ExtendaCem V1	365 sks	1.46 cuft/sk	13.4 #/gal

25. **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"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Jordan R. Nelson TITLE Petroleum Engineer
SIGNATURE *Jordan R. Nelson* DATE 6/26/2008

(This space for State use only)

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

API NUMBER ASSIGNED: 43-047-40226

APPROVAL:

Date: 08-13-08

By: *[Signature]*

RECEIVED
JUN 26 2008
DIV. OF OIL, GAS & MINING

T1S, R1W, U.S.B.&M.

FLYING J OIL & GAS INC.

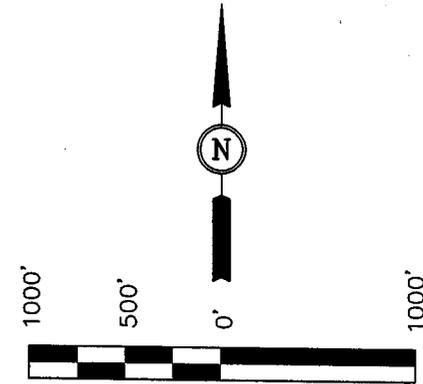
Well location, KILLIAN #3-12A1, located as shown in the SE 1/4 SE 1/4 of Section 12, T1S, R1W, U.S.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE NORTHWEST CORNER OF SECTION 19, T1S, R1E, U.S.B.&M. TAKEN FROM THE WHITEROCKS QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5519 FEET.

BASIS OF BEARINGS

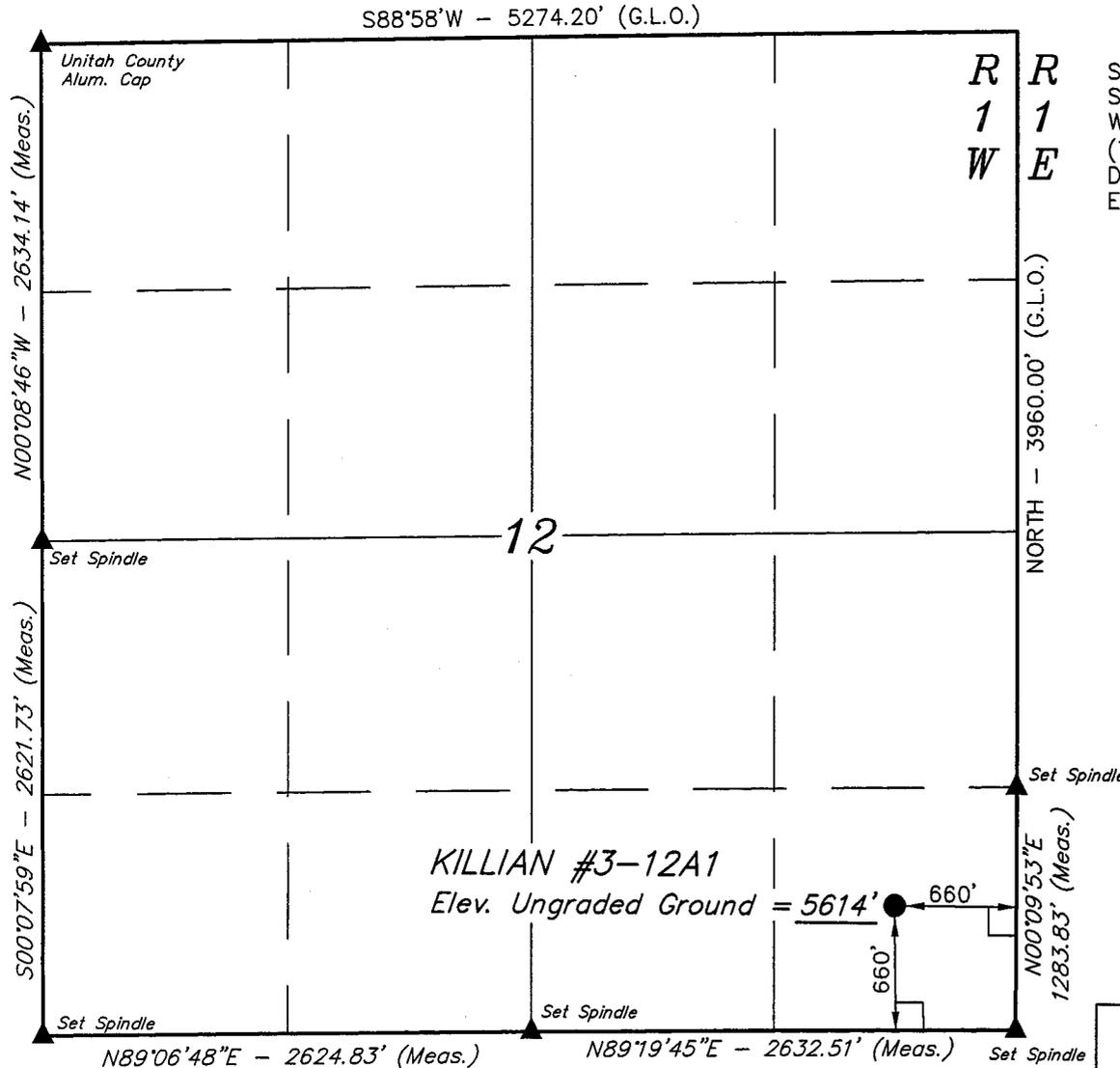
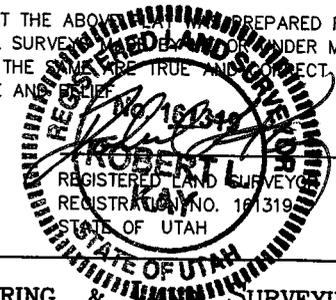
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY AND UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)
 LATITUDE = 40°24'20.36" (40.405656)
 LONGITUDE = 109°56'15.78" (109.937717)
 (AUTONOMOUS NAD 27)
 LATITUDE = 40°24'20.51" (40.405697)
 LONGITUDE = 109°56'13.24" (109.937011)

UINTAH ENGINEERING & SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-01-08	DATE DRAWN: 05-22-08
PARTY D.C. T.A. M.D.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE FLYING J OIL & GAS INC.	

FLYING J OIL AND GAS INC.

APPLICATION FOR PERMIT TO DRILL

For

Killian 3-12A1

Located in

Township 1 South, Range 1 West, Section 12: SESE
660' FSL, 660' FEL

Uintah County, Utah

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Figure 1, Location Layout
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Surface Use Area & Road Right-of-Way
Topo A, scale 1:100,000
Topo B, scale 1"=2000'
Affidavit Concerning Surface Agreement

June 26, 2008

FLYING J OIL & GAS INC.

DRILLING PLAN

For

Killian 3-12A1

Located in

Township 1 South, Range 1 West, Section 12: SESE
660' FSL, 660' FEL

Uintah County, Utah

Geology:

Tops of important geologic markers and potential water, oil, gas, and mineral content are as follows:

Graded Ground Level 5619', Estimated KB Elevation 5639'

<u>Formation Top</u>	<u>Depth (KB)</u>	<u>Datum (SS)</u>	<u>Contents</u>
Gravel (Surface)	20	+5,619	
Duchesne River	80	+5,539	Water
Uinta	2,200	+3,439	Water
Green River	6,309	-670	Oil, Gas
Tgr 3 Marker	9,309	-3,670	Oil, Gas
Wasatch	10,491	-4,852	Oil, Gas
Total Depth	11,200		

Drilling Program:

- Build road and drilling pad. Set 20" conductor 30'+ past bottom of surface rocks (should have cobble rocks to approximately 95' KB) and dig rat hole and mousehole. Check to make sure conductor has no deviation.
- Move in and rig up a drilling rig.
- Drill 12-1/4" surface hole to 2,400'+ KB with fresh water mud. Survey at least every 300' and limit deviation to 2°. Notify DOGM (801-538-5340) immediately upon spudding the well. Give the well name, legal location, permit number, drilling contractor, company representative, and the date and time of spudding. Note full name of person taking "notification of spud" on initial morning and tour reports.
- Run 2,400' of 9-5/8", 36#, J-55, ST&C casing. Cement the 9-5/8" casing to surface per cementing specifications. Top job if necessary with Class "G" cement containing a minimum 2% Calcium Chloride.
- Wait on cement 4 hours before slacking off weight and 12 hours before drilling out. Weld on a 9-5/8" x 11" 5M casing head and test weld to 1,500 psi. Nipple up BOPE with blind rams on bottom, pipe rams, and annular preventer on top. Perform BOPE tests.
- If a plug is used to facilitate BOPE tests, the casing will be tested prior to drillout to 1 psi/ft times the depth of the casing seat or 70% of the minimum internal yield pressure of the casing.
- Drill out using a 7-7/8" PDC bit and mud motor. After drilling 10' of new formation, perform a casing shoe test to an equivalent mud weight of 10.0 ppg for 10 minutes. Run a brass saver sub below the kelly at all times.

- Drill to TD ($\pm 11,200$) with mud as detailed in this procedure. Mud-up will not be required until $\pm 9,000$ (309' above Tgr3). Take deviation surveys every 500' or at bit trips. Keep deviation less than 3° and doglegs less than $\frac{1}{2}^\circ/100'$ to TD.
- Run the following open-hole logs at TD:
 - DIL-SP-GR-Caliper, TD to 2,400' (GR to Surface)
 - CNL-FDC-GR, TD to 8,000'
- Clean out and condition hole and mud for running and cementing casing. Recommended mud properties: Plastic Viscosity (PV) < 15 centipoise (cp), Yield Point (YP) < 10 lb/100 ft², 10-second/10-minute gel strength values should be such that the 10-second and 10-minute readings are close together or flat (i.e., 5/6). The 30-minute reading should be less than 20 lb/100 ft². The goal of proper mud conditioning is to maximize displacement of mud and create turbulent flow during mud displacement/cementing operations. Work with mud engineer to manage PV/YP ratio to lower critical velocity necessary for turbulent flow. Reciprocate casing while cementing. Pull and lay down drill pipe and collars. Run 5-1/2" production casing as detailed. Cement the 5-1/2" casing as detailed. Displace cement with water to leave no drilling mud in the production casing.
- Release drilling rig and demobilize off location.

Casing and Cementing Program:

Casing Program (new casing):

<u>Hole Size</u>	<u>Casing Size</u>	<u>Description</u>	<u>Setting Depth Interval</u>
26"	20"	Conductor	0 – 125' KB
12-1/4"	9-5/8"	36#, J-55, STC	0 – 2,400' KB
7-7/8"	5-1/2"	17#, HCP-110, LTC	0 – 11,200' KB

Casing with sufficient burst, collapse, and tension rating may be substituted for any of the above depending on availability.

The following safety factors were incorporated into the design of the casing program:

Burst	1.10
Collapse	1.125
Tension	1.80

For casing design purposes, the maximum mud weight at TD is assumed 10.0 ppg.

Cementing Program:

Conductor: Conductor cement will be neat Class "G" containing CaCl₂. The volume of cement will be as required to cement to surface.

Surface: Surface casing will be cemented in one stage.

Lead Slurry: Approx. 310 sks type V cmt, 3.82 cuft/sk, 11.0 lb/gal, w/ 16% gel, 3% salt, 10 lb/sk Gilsonite, 3 lb/sk GR-3 and 0.25 lb/sk Flocele. Lead cement is designed to fill from approximately 1,900' to Surface.

Tail Slurry: Approx. 290 sks Class G cmt, 1.15 cuft/sk, 15.8 lb/gal, w/ 2% calcium chloride and 0.25 lb/sk Flocele. Tail cement is designed to fill from 2,400' (TD) to 1,900'.

Top Out Slurry: Approx. 150 sks Class G cmt, 1.15 cuft/sk, 15.8 lb/gal, w/ 3% calcium chloride and 0.25 lb/sk Flocele.

Slurry volumes will be adjusted as required to cement to surface plus 100% excess. Casing hardware will include a guide shoe, insert float, eight centralizers, and a top plug.

Production: Production casing will be cemented in one stage.

Lead Slurry: approx. 530 sks EconoCem V1 cmt, 3.82 cuft/sk, 11.0 lb/gal, w/ 0.125 lb/sk Poly-E-Flake. Lead cement is designed to fill from approximately 8,750' to surface.

Tail Slurry: approx. 365 sks ExtendaCem V1 cmt, 1.46 cuft/sk, 13.4 lb/gal, w/ 0.125 lb/sk Poly-E-Flake and 1 lb/sk Granulite TR 1/4. Tail cement is designed to fill from approximately 11,200' (TD) to 8,750'.

Hardware will include a guide shoe, float collar, 25 centralizers, and a top plug. Actual cement volumes are to be based on callipered hole volume plus 25% excess.

Actual cement slurries for conductor, surface, and production casing will be based on final service company recommendations.

The DOGM shall be notified at least twenty-four hours prior to running and cementing the surface and production casing strings.

Blow Out Prevention Equipment:

Minimum specifications for BOP equipment while drilling 7-7/8" hole to 11,200' KB below 9-5/8" casing are:

- 5,000 psi 9-5/8" casing head
- 5,000 psi csg/drilling spool w/outlets for kill and manifold line
- 5,000 double ram BOP with pipe rams and blind rams
- 5,000 psi spherical
 - upper and lower kelly cocks
 - flow nipple w/flow and fill line

Ram type BOP, choke manifold, and related equipment will be tested to rated working pressure of BOP stack, if isolated from the surface casing by a test plug, or 70% of internal yield of casing if not isolated. Annular type preventers shall be tested to 50% of rated working pressure. Pressure shall be maintained for at least 10 minutes or until the requirements of the test are met, whichever is longer. Testing will be performed when initially installed, whenever any seal subject to test is broken, following related repairs and at least every 30 days. Pipe rams and blind rams shall be functionally operated on every trip. Annular type preventers shall be functionally operated at least weekly.

Accessories to BOP include a kelly cock, floor safety valve, and choke manifold with pressure rating equivalent to the BOP stack. All auxiliary BOP equipment will be tested to appropriate pressures when BOPs are tested.

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

Choke manifold equipment shall be functionally equivalent to the attached diagram. The configuration of the chokes may vary.

All valves in the kill line choke manifold, and choke line shall be a type that does not restrict the flow (full opening) and that allows a straight through flow.

Pressure gauges in the well control system shall be a type designed for drilling fluid service.

The accumulator will have sufficient capacity to open the hydraulically controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps. The fluid reservoir capacity will be double the accumulator capacity and the fluid level be maintained at the manufacturer's recommendations. The BOP system will have two independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every 6 months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in Onshore Oil & Gas Order Number 2.

Mud Program:

INTERVAL (feet)	MUD WEIGHT (lbs/gal)	VISCOSITY (sec/qt)	FLUID LOSS (ml/30 min)	MUD TYPE
0 – 9,000	8.3 – 8.7	35 +/-	-	Water/Polymer
9,000 – 11,200	8.7 – 10.0	35 +/-	10cc/less	Low Solids Non Disp

Mud gain or loss will be visually monitored. Mud loggers will be rigged up prior to encountering anticipated hydrocarbon zones to monitor hydrocarbon content in the mud. Minimum mud weights will be maintained to insure fast penetration rates, and decrease the chances of lost circulation. An adequate amount of mud will be kept on location or readily accessible for the purpose of maintaining well control during the course of drilling operations.

Mud up with a LSND/PHPA system will occur at approximately 9,000 and filtration will be reduced to 10 cc's/30 minutes by the top of the Tgr3 marker at approximately 9,309'.

Sufficient mud inventory will be maintained on location during drilling operations to handle any adverse conditions that may occur, including LCM for lost circulation and weighting materials. The mud monitoring system will consist of visual pit markers. The hole will be kept full at all times.

Evaluation:

A two-man mud logging unit will be in operation from a depth of approximately 8,000' to TD. Samples will be caught, cleaned, bagged, and marked as required.

Drill Stem Tests – No DST's are expected.

Coring - No coring is planned.

Open-hole logs will include DIL-SP-GR-Caliper from TD to surface casing at ±2,400' (GR to Surface) and CNL-FDC-GR from TD to 8,000'.

Expected Bottom-Hole Pressure and Abnormal Conditions:

Hydrogen Sulfide – No Hydrogen Sulfide (H₂S) gas is expected.

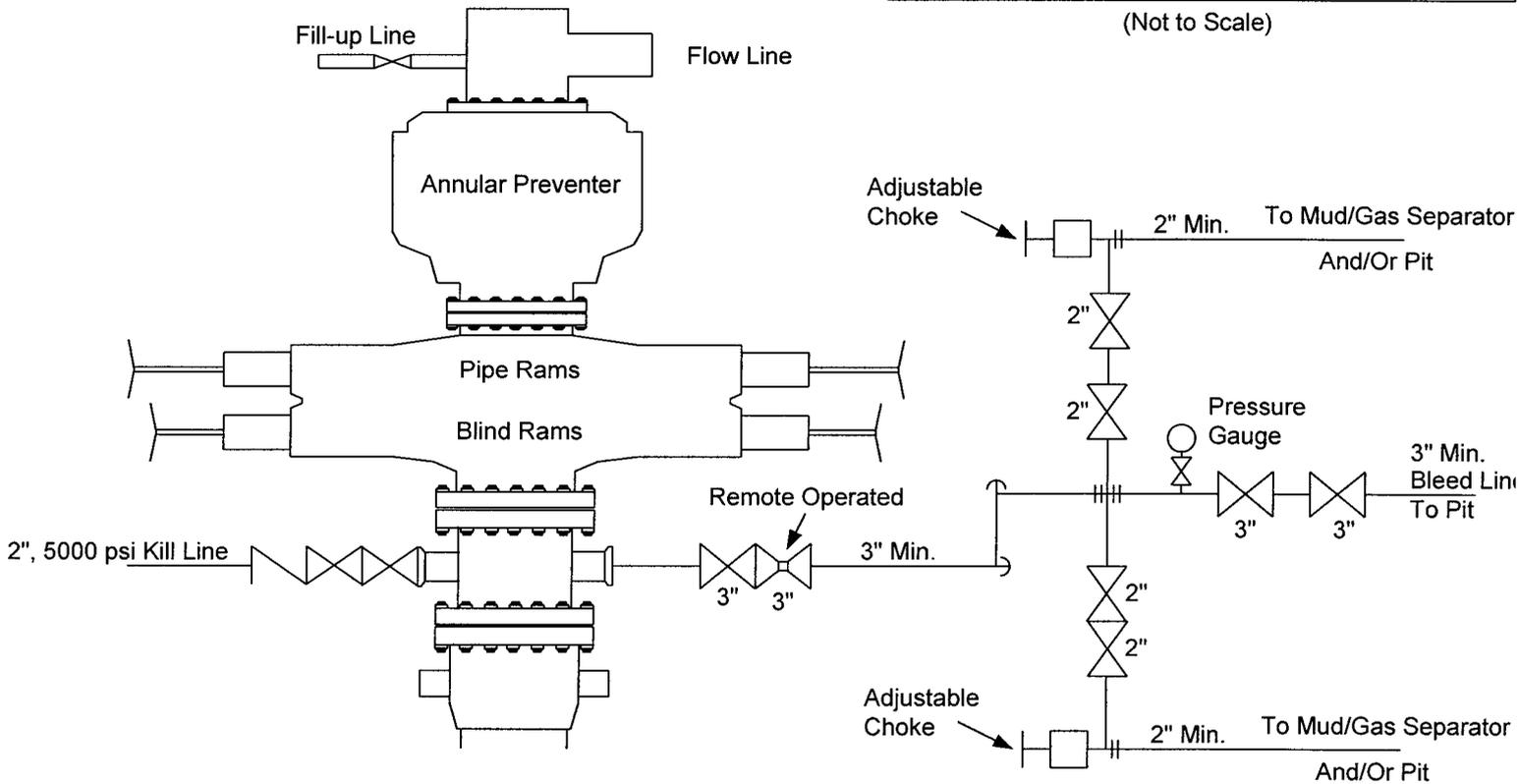
No significantly over-pressured zones are expected in this well. Bottom-hole pressure in the Wasatch is expected to have a pressure gradient of approximately 0.52 psi/ft (5,824 psi at TD) and require 10.0 ppg drilling fluid to control.

No abnormally high temperatures are expected. Bottom-hole temperature is expected to be approximately 170 °F.

Flying J Oil & Gas Inc.

Killian 3-12A1
5000 psi BOP Schematic

(Not to Scale)



FLYING J OIL AND GAS INC.

SURFACE USE PLAN

For

Killian 3-12A1

Located in

Township 1 South, Range 1 West, Section 12: SESE
660' FSL, 660' FEL

Uintah County, Utah

Surface Use Plan:

Access will be from 7000 N in the SE of Section 12, T1S, R1W. Approximately 0.1 miles of new road will be built to access the Killian 3-12A1. See the attached exhibit "Topo B".

Current surface use is a grazing for livestock.

Existing water and oil/gas wells within a one mile radius are shown on exhibit "Location of Existing Wells".

Planned production facilities are shown on exhibit "Completed Well Production Facility Layout".

Construction materials are expected to be native and obtained on site.

No ancillary facilities are planned.

Waste management will included burial of drill cuttings on-site, and disposal of drilling mud, completion fluids and produced water into a permitted produced water disposal facility.

Reporting:

Drilling Contractor: A daily report will be provided to the company drilling consultant each day. All tickets and reports including a copy of the daily drilling log will be provided to the drilling consultant and to the Roosevelt, Utah office weekly.

Drilling Consultant: A daily report on the specified form will be emailed or faxed to the Roosevelt, Utah and North Salt Lake, Utah offices. A report of well spudding and BOP testing will be called into a representative of the UDOGM at least 24 hours prior to conducting such operations. Before conducting any critical operation such as running pipe, cementing, drill stem testing, or logging, the drilling consultant should contact Jim Wilson of the North Salt Lake office regarding the specific procedure for such operations.

Mud Contractor: The daily mud checks will be recorded and reported to the drilling consultant with accurate daily costs and volume of products used. A copy of these reports will be sent to the Roosevelt and North Salt Lake offices as a job summary.

Mud Logger: Reports should be provided as specified by Mr. Carl Kendell of the North Salt Lake office.

Landowner:

Ross Killian

435-823-5310

Roosevelt, UT

Company Contacts:

Flying J Oil & Gas Inc.

Invoices and Bills for this Project:

P.O. Drawer 130
Roosevelt, UT 84066

Main Office:

333 West Center Street
North Salt Lake, Utah 84054

Superintendent:

Larry Rich
(435) 722-5166
(435) 722-5169
(435) 722-3111
(435) 823-5520

Roosevelt Office
Roosevelt Office Fax
Home
Cell

President:

Jim Wilson
(801) 296-7710
(801) 296-7888
(801) 943-0693
(801) 541-0300

North Salt Lake Office
North Salt Lake Office Fax
Home
Cell

Engineer:

Jordan Nelson
(801) 296-7772
(801) 296-7888
(801) 541-2589

North Salt Lake Office
North Salt Lake Office Fax
Cell

Geologist:

Carl Kendell
(801) 296-7721
(801) 296-7888
(801) 547-0484

North Salt Lake Office
North Salt Lake Office Fax
Home

Directions to Well Site:

The well location will be approximately 3 miles east and 7 miles north of Roosevelt, and 5 miles east and 2 mile south of Neola.

From Roosevelt, Utah:

Go east from center of Roosevelt on Highway 40 for 5.2 miles. Turn north on White Rocks Rd. (5750 East) and proceed for 8.2 miles. Turn west on 7000 North and proceed for 1.1 miles. Turn north on access road and proceed for 0.1 miles to well site.

AFFIDAVIT

STATE OF UTAH)
)ss:
COUNTY OF DAVIS)

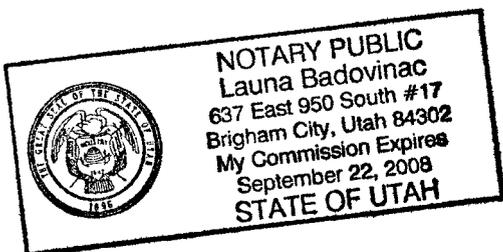
Chris J. Malan, of lawful age and being first duly sworn upon oath, deposes and says:

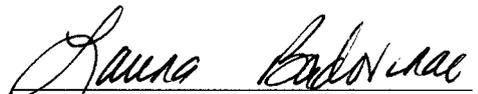
1. That he is eighteen years of age or older and that he has personal knowledge of the matters set forth in this affidavit.
2. That he is currently employed as Executive Vice President and General Counsel of Flying J Oil & Gas Inc. and in the course of his responsibilities has attempted to reach agreement with Mr. Ross Killian to use portions of Mr. Killian's lands for the Killian 3-12A1 well site and to use portions of Mr. Killian's lands for access roads to such well site.
3. The locations of the proposed well site described above and the proposed access road to such well site are generally as depicted on Exhibit A attached hereto and incorporated herein by this reference.
4. The efforts to negotiate the access and well site agreements, the correspondence to Mr. Killian in this regard and the proposed agreements provided to Mr. Killian are documented in Exhibit B attached hereto and incorporated herein by this reference.

Further affiant sayeth not.


Chris J. Malan

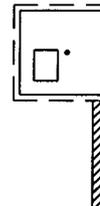
Subscribed and sworn to before me this 25th day of June, 2008.




Notary Public for the State of Utah

12

Killian 3-12A1



7000 North

LEGEND:

----- KILLIAN 3-12A1 WELL SITE

////// ACCESS ROAD

WELL SITE LOCATIONS:

KILLIAN 3-12A1
SESE SEC. 12, T1S, R1W, U.S.B.&M.
UINTAH COUNTY, UTAH
660' FSL, 660' FEL

**KILLIAN LEASE, EASEMENT AND
SURFACE USE AGREEMENT**

EXHIBIT A

FLYNG J OIL & GAS INC.

Exhibit B

On March 25, 2008, Jordan Nelson, a petroleum engineer employed by Flying J, contacted Mr. Ross Killian by telephone to arrange for the staking of the Killian 3-12A1 Well. Mr. Killian told Mr. Nelson that he had no interest in having an oil well on his land. Mr. Nelson asked for Mr. Killian's permission to survey and stake the well location. Mr. Nelson invited Mr. Killian to be present when the well was staked. Mr. Killian gave Flying J permission to survey and said that he wanted to be there for the survey. Mr. Nelson told Mr. Killian that I, Chris Malan, would be in touch with him to discuss an agreement for the well site and access road.

In approximately the last week of April, 2008, I made a telephone call to Mr. Ross Killian to discuss an agreement for the well site and access road for the Killian 3-12A1 well. Mr. Killian reiterated to me that he did not want a well on his land. I suggested that we meet in person to discuss Flying J's proposal. During this conversation, Mr. Killian and I agreed to meet on May 6, 2008 to discuss our proposal.

On May 6, 2008 I traveled to a restaurant near Fort Duchesne where Mr. Killian and I had lunch and then drove to two well locations constructed by third parties where Mr. Killian expressed concerns about a number of issues. I explained to Mr. Killian that our company didn't have control over what other companies had done in the past, but that we would make sure to work closely with him and ensure that similar problems were avoided at the Killian 3-12A1 well.

We then went to the proposed well location for the Killian 3-12A1 well and Mr. Killian expressed concern that the access road was not where he wanted it. I agreed to move the road so that access would come from the south on 7000 North rather than from the east. I told Mr. Killian that we would pay a certain dollar amount for each acre used for the well site and for the access road. Mr. Killian rejected that proposal and suggested terms which in our experience are unreasonable. I then increased the offer for each acre affected by our operations.

The proposed letter agreement dated May 19, 2008 containing our increased offer together with the Lease, Easement and Surface Use Agreement including a map attached as Exhibit A were emailed to Mr. Killian on May 19th and May 20th. In addition, these agreements were sent to him by U.S. Mail on May 21, 2008 under cover of a letter from Launa Badovinac, Manager of Lease Records for Flying J Oil & Gas Inc.

I called Mr. Killian during the week of June 2, 2008 and asked if he had received Launa's letter with the agreements. He said that he had received them, but that he would not agree to the amended terms of the agreements, notwithstanding the relocation of the access road. I suggested that we meet again to discuss his concerns and try to reach a mutually acceptable agreement. He reluctantly agreed and we scheduled a meeting near Fort Duchesne. We met over lunch and discussed the agreements again. Mr. Killian refused to accept the terms which we proposed, which were the same terms we have agreed to with several other land owners in the immediate vicinity of Mr. Killian's land in the past few months.

I expressed to Mr. Killian that we really would like to reach agreement with him, but he refused our proposal, again insisting on terms that are unreasonable and unacceptable. I told him that we could not agree to his terms and he told me that if we didn't agree at that time, his terms were going to just get more demanding. I told him that I was disappointed that we could not reach a fair agreement.



FLYING J OIL & GAS INC.

333 WEST CENTER STREET • NORTH SALT LAKE, UTAH 84054

PHONE (801) 296-7700 • FAX (801) 296-7888

May 21, 2008

Mr. Ross G. Killian
RR3 Box 3040
Roosevelt, UT 84066

Re: Killian 3-12A1 Well
Township 1 South, Range 1 West
Section 12
Uintah County, Utah

Dear Mr. Killian:

Enclosed please find two Letter Agreements and two Lease, Easement and Surface Use Agreements that Chris Malan asked me to send to you for the referenced well. Please review the documents and if they meet your approval have both copies of the Letter Agreement and the Lease, Easement and Surface Use Agreement executed by your wife and yourself and also have the Lease, Easement and Surface Agreement acknowledged by a notary. Return one copy of the Letter Agreement and Lease, Easement and Surface Agreement to us and retain one copy for your files.

If you have any questions or concerns, please give Chris Malan a call at (801) 296-7728. Thank you.

Sincerely,

Launa Badovinac
Manager of Lease

Enclosures



FLYING J OIL & GAS INC.

333 WEST CENTER STREET • NORTH SALT LAKE, UTAH 84054
PHONE (801) 296-7700 • FAX (801) 296-7888

May 19, 2008

Mr. Ross G. Killian
RR3 Box 3040
Roosevelt, Utah 84066

Re: Lease, Easement and Surface Use Agreement
Killian 3-12A1 Well
Township 1 South, Range 1 West
Section 12: SE1/4

Dear Mr. Killian:

Thank you for your help in locating the referenced access road and well location. The enclosed Lease, Easement and Surface Use Agreement provides for the use of a forty foot wide easement and right-of-way approximately four hundred and fifty five feet long of for the access road. The access road will occupy approximately .41 acres of your land. In addition, the Agreement provides for the use of a tract of your land consisting of approximately three and eight tenths (3.8) acres for the Killian 3-12A1 well site.

As we discussed, Flying J proposes to pay \$4,000.00 per acre for the access road easement and right-of-way and for the well site. The total consideration for the access road and well site is Sixteen Thousand Eight Hundred and Forty Dollars (\$16,840.00). The consideration for the access road easement and right-of-way, the well site and the water will be paid prior to beginning construction of the well site. If the access road and well site are not built and used as proposed for any reason, this agreement will terminate and the payments provided for above will not be made.

If the terms and conditions of this letter are acceptable to you, please have both originals of this letter signed and dated where indicated below, have both originals of the Lease, Easement and Surface Use Agreement signed and dated, have both originals of the Lease, Easement and Surface Use Agreement acknowledged before a Notary Public and return one original of each of these documents to me at the letterhead address.

Sincerely,

FLYING J OIL & GAS INC.


Chris J. Malan
Vice President and
General Counsel

Acknowledged and agreed to this ____ day of _____ 2008.

Ross G. Killian

Glenda Rae Killian

LEASE, EASEMENT AND SURFACE USE AGREEMENT

ⁿ
20 This Lease, Easement and Surface Use Agreement (the "Agreement") is made and entered into this day of May, 2008, by and between Ross G. Killian and Glenda Rae Killian, husband and wife, residing at Hancock Cove, Utah and having a mailing address of RR3 Box 3040, Roosevelt, Utah 84066 (hereinafter collectively referred to as "Surface Owner") and Flying J Oil & Gas Inc., a Utah corporation with its principal office at 333 West Center Street, North Salt Lake, Utah 84054 (hereinafter referred to as "Flying J").

WHEREAS, Surface Owner owns and has the right to possession and control of the surface estate of a one hundred sixty (160) acre parcel of land consisting of the SE1/4 of Section 12, Township 1 South, Range 1 West, U.S.M., Uintah County, Utah ("Owner's Land") and more particularly described in Exhibit A attached hereto and incorporated herein by this reference; and

WHEREAS, Flying J desires to utilize a 410 foot by 400 foot tract of Owner's Land at the location described on Exhibit A as the "Killian 3-12A1 Well Site" consisting of approximately 3.8 acres (the "Well Site"); and Flying J desires to utilize a forty (40) foot strip of land running from the south boundary of Owner's Land north to the Well Site as an access road to gain ingress to and egress from the Well Site, which access road is more particularly described on Exhibit A as the "Access Road" (the "Access Road"); and

WHEREAS, Flying J desires to obtain from Surface Owner a lease, easement and surface use agreement for the Well Site upon Owner's Land and an easement and right-of-way upon, over and across Owner's Land for the Access Road, together with the right to use and occupy these portions of Owner's Land for the purposes of constructing, operating, maintaining and repairing the Well Site, the Access Road, electric lines, pipelines and a tank battery and for the purposes of exploring, drilling, completing, producing, operating, recompleting, reworking, reclaiming, plugging and abandoning oil and gas wells;

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid by Flying J to Surface Owner, the receipt and sufficiency of which are hereby acknowledged, it is hereby agreed as follows:

1. Surface Owner hereby grants, bargains, assigns and conveys to Flying J, its successors and assigns, a lease, easement and surface agreement for the Well Site and the right to use and occupy the tract of land consisting of the Well Site for the purposes of constructing, operating, maintaining and repairing the Well Site, electric lines, pipelines and a tank battery and conducting all operations necessary for exploring, drilling, completing, producing, operating, recompleting, reworking, reclaiming, plugging and abandoning oil and gas wells.
2. Surface Owner hereby grants, bargains, assigns and conveys to Flying J, its successors and assigns, an easement and right-of-way upon, over and across Owner's Land for the Access Road together with the right to use and occupy the tract of land on which the Access Road is located for the purpose of gaining ingress to and egress from the well sites and for the purposes of constructing, operating, maintaining and repairing the Access Road, electric lines and pipelines and conducting all operations necessary for exploring, drilling, completing, producing, operating, recompleting, reworking, reclaiming, plugging and abandoning oil and gas wells.
3. Flying J shall fence the Well Site.

4. Flying J shall be responsible for damages resulting from Flying J's negligence and Flying J shall indemnify Surface Owner from and against such liability. Subject to the obligations of Flying J specified in paragraph 6, below, and in the first sentence of this paragraph 4, Surface Owner hereby releases and discharges Flying J, its employees, agents, affiliates, insurers, contractors, successors and assigns of and from any and all actions, causes of action, suits, claims, demands, liabilities and obligations whatsoever for damages, including without limitation, growing crops, fences, pasture lands and any and all improvements to Owner's Land resulting from any of the activities described above for which the rights, easements and rights-of-way have been granted. The release and discharge provided in this paragraph is and shall be considered for all purposes a complete discharge, satisfaction and waiver of any obligation which Flying J may have for damages under any oil and gas lease or other agreement with respect to Owner's Land.

5. All notices required or permitted to be given hereunder shall be delivered by U.S. mail, certified with return receipt requested, by overnight courier or by personal delivery to the party to be notified at the respective addresses set forth above.

6. This Agreement shall remain in full force and effect for a term of thirty (30) years and so long thereafter as Flying J conducts any of the operations described in this Agreement. At such time as Flying J permanently ceases all such operations, this Agreement shall terminate; provided, however, that Flying J shall then have a period of one (1) year from the permanent cessation of all operations within which to complete the plugging and abandonment operations, reclamation of the surface, removal of any and all fixtures, equipment and personal property utilized in operations upon Owner's Land and to conduct such other activities as may be required by applicable law or agreement. The surface area directly disturbed by Flying J through its operations will be reclaimed, as nearly as practicable, to the condition of such area prior to Flying J conducting its operations.

7. This Agreement shall bind and inure to the benefit of the parties hereto, their respective successors and assigns and shall bind Surface Owner as to any after acquired title Surface Owner may acquire in the lands after the date of this Agreement.

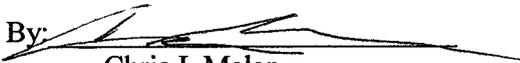
IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first above written.

SURFACE OWNER

Ross G. Killian

Glenda Rae Killian

FLYING J OIL & GAS INC.

By: 
Chris J. Malan
Title: Vice President

STATE OF UTAH)
)ss:
COUNTY OF UINTAH)

On the ____ day of May, 2008, personally appeared before me, the undersigned Notary Public, in and for said County and State, Ross G. Killian and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year last above written.

NOTARY PUBLIC

STATE OF UTAH)
)ss:
COUNTY OF UINTAH)

On the ____ day of May, 2008, personally appeared before me, the undersigned Notary Public, in and for said County and State, Glenda Rae Killian and acknowledged to me that she executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year last above written.

NOTARY PUBLIC

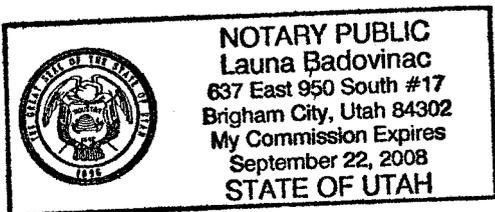
STATE OF UTAH)
)ss:
COUNTY OF DAVIS)

On the 20th day of May, 2008, personally appeared before me, the undersigned Notary Public, in and for said County and State, Chris J. Malan to me personally known to be Vice President of Flying J Oil & Gas Inc., a Utah corporation, and acknowledged to me that he executed the same as the act and deed of said corporation for the uses and purposes set forth therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year last above written.

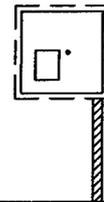
Launa Badovinac

NOTARY PUBLIC



12

Killian 3-12A1



7000 North

LEGEND:

----- KILLIAN 3-12A1 WELL SITE

////// ACCESS ROAD

WELL SITE LOCATIONS:

KILLIAN 3-12A1
SESE SEC. 12, T1S, R1W, U.S.B.&M.
UINTAH COUNTY, UTAH
660' FSL, 660' FEL

**KILLIAN LEASE, EASEMENT AND
SURFACE USE AGREEMENT**

EXHIBIT A

FLYNG J OIL & GAS INC.

Killian 2-12A1 Well
Chris Malan to: rgkillian

05/19/2008 04:45 PM

From: Chris Malan/land/oilgas/Flyingj
To: rgkillian@excite.com

Mr. Killian:

Attached are the documents we discussed earlier. Please look these over. I will call you in the next couple of days. Thanks.



Lease, Easement and Surface Killian.DOC Lease, Easement and Surface Killian.pdf Killian Lease, Easement and Surface Use.DOC

Chris J. Malan
Flying J Oil & Gas Inc.
333 West Center Street
North Salt Lake, Utah 84054
Telephone: 801-296-7728
Facsimile: 801-296-7888

This electronic mail transmission may constitute an attorney-client communication that is privileged under law. It is not intended for transmission to, or receipt by, any unauthorized person. If you receive this message in error, please delete it from your system without copying it and notify the sender by reply email or by calling 801-296-7728 so that our address record may be corrected.

Chris Malan/land/oilgas/Flyingj

05/20/2008 09:09 AM

To rgkillian@excite.com

cc

bcc

Subject Killian 2-12A1 Well

Mr. Killian:

Attached are the Lease, Easement and Surface Use Agreement, Exhibit A to that agreement and the letter agreement we discussed on May 6th. Please look these agreements over. I'll call you in the next day or two to talk about any questions you may have. Thanks for your help.



Lease, Easement and Surface Killian.pdf



Lease, Easement and Surface Killian.DOC



Killian Lease, Easement and Surface Use.DOC

Chris J. Malan
Flying J Oil & Gas Inc.
333 West Center Street
North Salt Lake, Utah 84054
Telephone: 801-296-7728
Facsimile: 801-296-7888

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Killian 2-12A1 Well
Chris Malan to: rgkillian

05/20/2008 09:15 AM

From: Chris Malan/land/oilgas/Flyingj
To: rgkillian@excite.com

Mr. Killian:

Attached are the Lease, Easement and Surface Use Agreement, Exhibit A to that agreement and the letter agreement we discussed on May 6th. Please look these agreements over. I'll call you in the next day or two to talk about any questions you may have. Thanks for your help.



Lease, Easement and Surface Killian.pdf



Lease, Easement and Surface Killian.DOC



Killian Lease, Easement and Surface Use.DOC

Chris J. Malan
Flying J Oil & Gas Inc.
333 West Center Street
North Salt Lake, Utah 84054
Telephone: 801-296-7728
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May 19, 2008

Mr. Ross G. Killian
RR3 Box 3040
Roosevelt, Utah 84066

Re: Lease, Easement and Surface Use Agreement
Killian 2-12A1 Well
Township 1 South, Range 1 West
Section 12: SE1/4

Dear Mr. Killian:

Thank you for your help in locating the referenced access road and well location. The enclosed Lease, Easement and Surface Use Agreement provides for the use of a forty foot wide easement and right-of-way approximately four hundred and fifty five feet long of for the access road. The access road will occupy approximately .41 acres of your land. In addition, the Agreement provides for the use of a tract of your land consisting of approximately three and eight tenths (3.8) acres for the Killian 2-12A1 well site.

As we discussed, Flying J proposes to pay \$4,000.00 per acre for the access road easement and right-of-way and for the well site. The total consideration for the access road and well site is Sixteen Thousand Eight Hundred and Forty Dollars (\$16,840.00). The consideration for the access road easement and right-of-way, the well site and the water will be paid prior to beginning construction of the well site. If the access road and well site are not built and used as proposed for any reason, this agreement will terminate and the payments provided for above will not be made.

If the terms and conditions of this letter are acceptable to you, please have both originals of this letter signed and dated where indicated below, have both originals of the Lease, Easement and Surface Use Agreement signed and dated, have both originals of the Lease, Easement and Surface Use Agreement acknowledged before a Notary Public and return one original of each of these documents to me at the letterhead address.

Sincerely,

FLYING J OIL & GAS INC.

Chris J. Malan
Vice President and
General Counsel

Acknowledged and agreed to this _____ day of _____ 2008.

Ross G. Killian

Glenda Rae Killian

LEASE, EASEMENT AND SURFACE USE AGREEMENT

This Lease, Easement and Surface Use Agreement (the "Agreement") is made and entered into this ___ day of May, 2008, by and between Ross G. Killian and Glenda Rae Killian, husband and wife, residing at Hancock Cove, Utah and having a mailing address of RR3 Box 3040, Roosevelt, Utah 84066 (hereinafter collectively referred to as "Surface Owner") and Flying J Oil & Gas Inc., a Utah corporation with its principal office at 333 West Center Street, North Salt Lake, Utah 84054 (hereinafter referred to as "Flying J").

WHEREAS, Surface Owner owns and has the right to possession and control of the surface estate of a one hundred sixty (160) acre parcel of land consisting of the SE1/4 of Section 12, Township 1 South, Range 1 West, U.S.M., Uintah County, Utah ("Owner's Land") and more particularly described in Exhibit A attached hereto and incorporated herein by this reference; and

WHEREAS, Flying J desires to utilize a 410 foot by 400 foot tract of Owner's Land at the location described on Exhibit A as the "Killian 2-12 Well Site" consisting of approximately 3.8 acres (the "Well Site"); and Flying J desires to utilize a forty (40) foot strip of land running from the south boundary of Owner's Land north to the Well Site as an access road to gain ingress to and egress from the Well Site, which access road is more particularly described on Exhibit A as the "Access Road" (the "Access Road"); and

WHEREAS, Flying J desires to obtain from Surface Owner a lease, easement and surface use agreement for the Well Site upon Owner's Land and an easement and right-of-way upon, over and across Owner's Land for the Access Road, together with the right to use and occupy these portions of Owner's Land for the purposes of constructing, operating, maintaining and repairing the Well Site, the Access Road, electric lines, pipelines and a tank battery and for the purposes of exploring, drilling, completing, producing, operating, recompleting, reworking, reclaiming, plugging and abandoning oil and gas wells;

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid by Flying J to Surface Owner, the receipt and sufficiency of which are hereby acknowledged, it is hereby agreed as follows:

1. Surface Owner hereby grants, bargains, assigns and conveys to Flying J, its successors and assigns, a lease, easement and surface agreement for the Well Site and the right to use and occupy the tract of land consisting of the Well Site for the purposes of constructing, operating, maintaining and repairing the Well Site, electric lines, pipelines and a tank battery and conducting all operations necessary for exploring, drilling, completing, producing, operating, recompleting, reworking, reclaiming, plugging and abandoning oil and gas wells.
2. Surface Owner hereby grants, bargains, assigns and conveys to Flying J, its successors and assigns, an easement and right-of-way upon, over and across Owner's Land for the Access Road together with the right to use and occupy the tract of land on which the Access Road is located for the purpose of gaining ingress to and egress from the well sites and for the purposes of constructing, operating, maintaining and repairing the Access Road, electric lines and pipelines and conducting all operations necessary for exploring, drilling, completing, producing, operating, recompleting, reworking, reclaiming, plugging and abandoning oil and gas wells.
3. Flying J shall fence the Well Site.

4. Flying J shall be responsible for damages resulting from Flying J's negligence and Flying J shall indemnify Surface Owner from and against such liability. Subject to the obligations of Flying J specified in paragraph 6, below, and in the first sentence of this paragraph 4, Surface Owner hereby releases and discharges Flying J, its employees, agents, affiliates, insurers, contractors, successors and assigns of and from any and all actions, causes of action, suits, claims, demands, liabilities and obligations whatsoever for damages, including without limitation, growing crops, fences, pasture lands and any and all improvements to Owner's Land resulting from any of the activities described above for which the rights, easements and rights-of-way have been granted. The release and discharge provided in this paragraph is and shall be considered for all purposes a complete discharge, satisfaction and waiver of any obligation which Flying J may have for damages under any oil and gas lease or other agreement with respect to Owner's Land.

5. All notices required or permitted to be given hereunder shall be delivered by U.S. mail, certified with return receipt requested, by overnight courier or by personal delivery to the party to be notified at the respective addresses set forth above.

6. This Agreement shall remain in full force and effect for a term of thirty (30) years and so long thereafter as Flying J conducts any of the operations described in this Agreement. At such time as Flying J permanently ceases all such operations, this Agreement shall terminate; provided, however, that Flying J shall then have a period of one (1) year from the permanent cessation of all operations within which to complete the plugging and abandonment operations, reclamation of the surface, removal of any and all fixtures, equipment and personal property utilized in operations upon Owner's Land and to conduct such other activities as may be required by applicable law or agreement. The surface area directly disturbed by Flying J through its operations will be reclaimed, as nearly as practicable, to the condition of such area prior to Flying J conducting its operations.

7. This Agreement shall bind and inure to the benefit of the parties hereto, their respective successors and assigns and shall bind Surface Owner as to any after acquired title Surface Owner may acquire in the lands after the date of this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first above written.

SURFACE OWNER

Ross G. Killian

Glenda Rae Killian

FLYING J OIL & GAS INC.

By: _____
Chris J. Malan
Title: Vice President

STATE OF UTAH)
)ss:
COUNTY OF UINTAH)

On the ____ day of May, 2008, personally appeared before me, the undersigned Notary Public, in and for said County and State, Ross G. Killian and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year last above written.

NOTARY PUBLIC

STATE OF UTAH)
)ss:
COUNTY OF UINTAH)

On the ____ day of May, 2008, personally appeared before me, the undersigned Notary Public, in and for said County and State, Glenda Rae Killian and acknowledged to me that she executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year last above written.

NOTARY PUBLIC

STATE OF UTAH)
)ss:
COUNTY OF DAVIS)

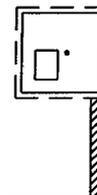
On the ____ day of May, 2008, personally appeared before me, the undersigned Notary Public, in and for said County and State, Chris J. Malan to me personally known to be Vice President of Flying J Oil & Gas Inc., a Utah corporation, and acknowledged to me that he executed the same as the act and deed of said corporation for the uses and purposes set forth therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year last above written.

NOTARY PUBLIC

12

Killian 3-12A1



7000 North

LEGEND:

- KILLIAN 3-12A1 WELL SITE
- ////// ACCESS ROAD

WELL SITE LOCATIONS:

KILLIAN 3-12A1
SESE SEC. 12, T1S, R1W, U.S.B.&M.
UINTAH COUNTY, UTAH
660' FSL, 660' FEL

**KILLIAN LEASE, EASEMENT AND
SURFACE USE AGREEMENT**

EXHIBIT A

FLYNG J OIL & GAS INC.

FLYING J OIL & GAS INC.

KILLIAN #3-12A1

LOCATED IN UINTAH COUNTY, UTAH
SECTION 12, T1S, R1W, U.S.B.&M.

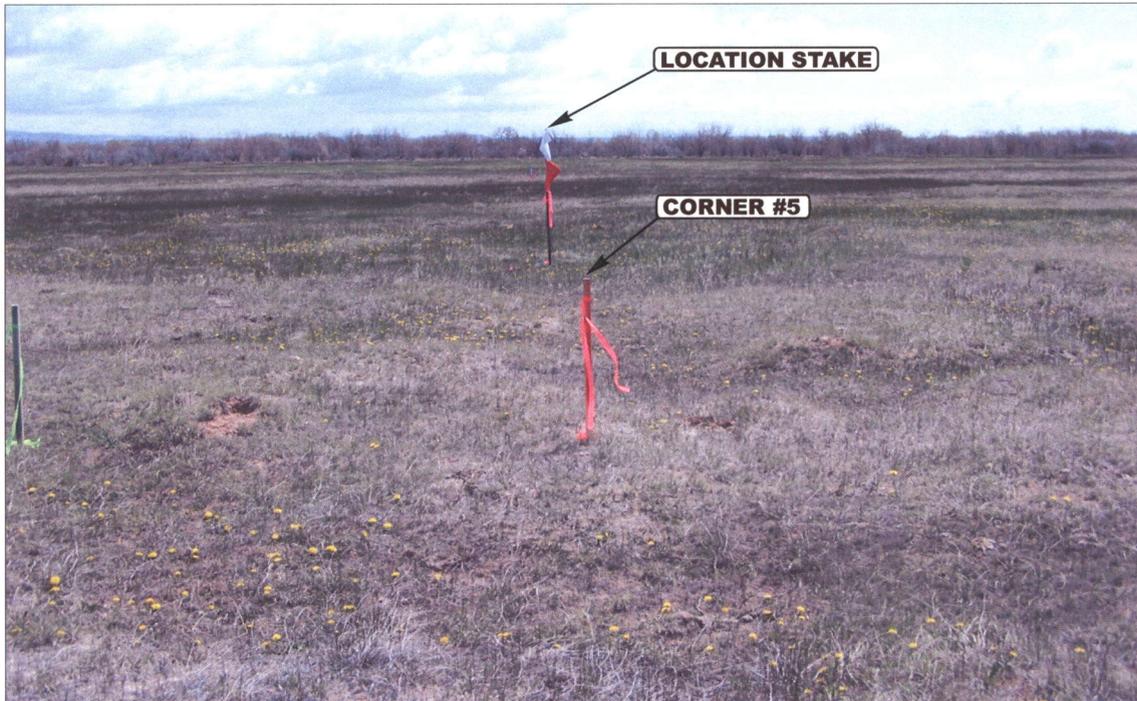


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: EASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

6 20 08
MONTH DAY YEAR

PHOTO

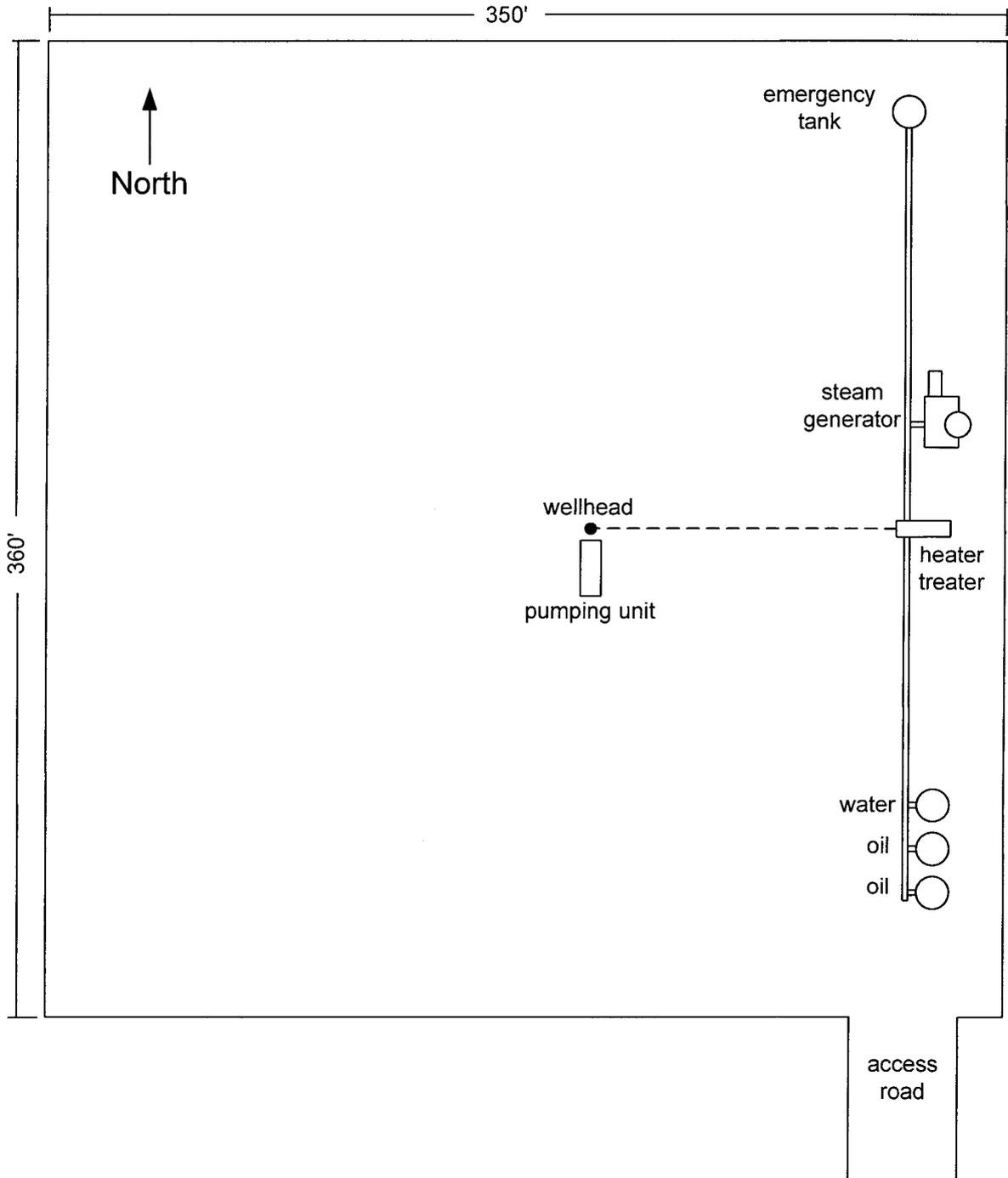
TAKEN BY: T.A.

DRAWN BY: J.L.G.

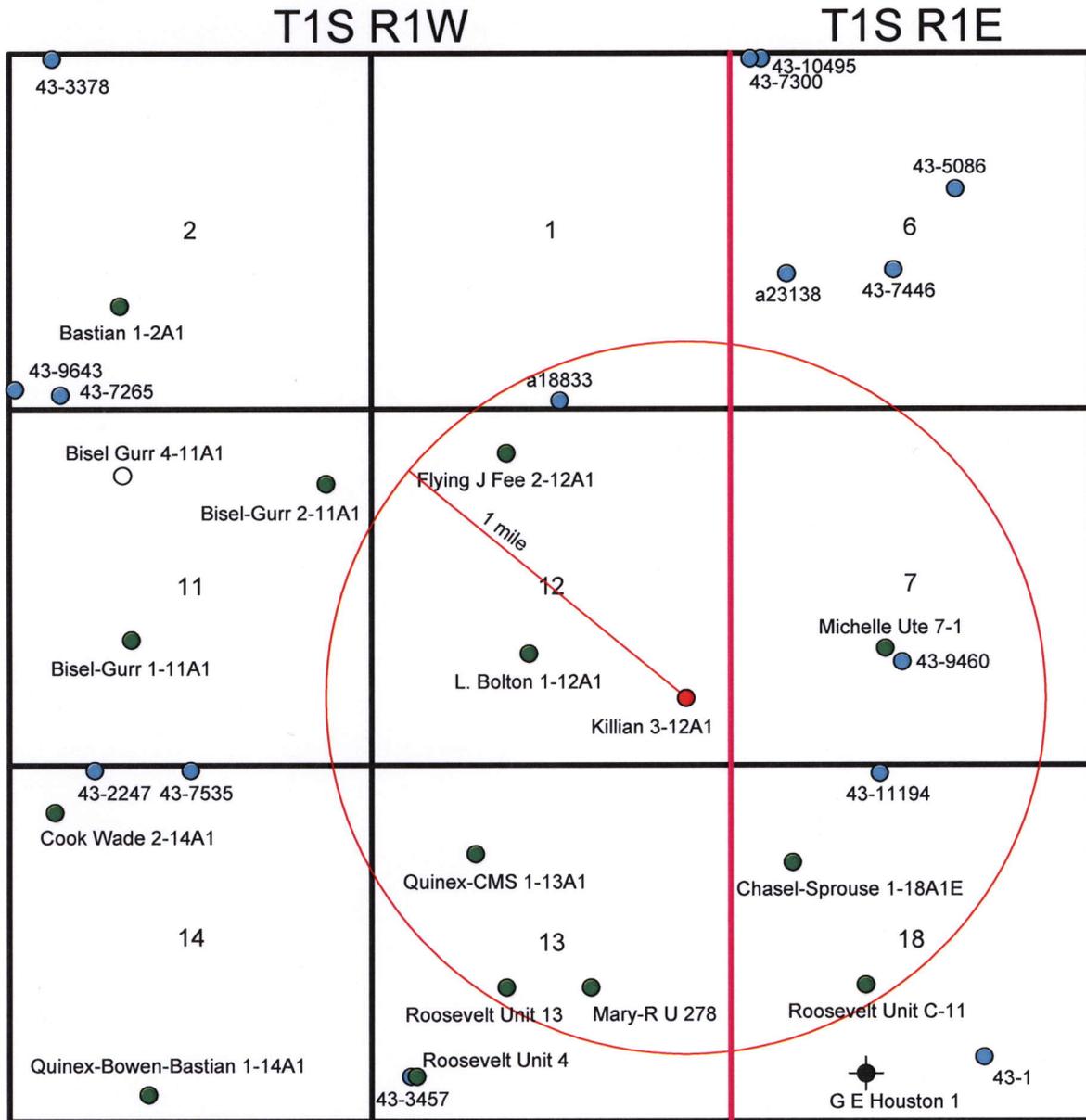
REVISED: 00-00-00

Killian 3-12A1

Completed Well Production Facility Layout



Location of Existing Wells



Oil/Gas Wells Within 1 Mile

- L. Bolton 1-12A1, prod.
- Flying J Fee 2-12A1, prod.
- Michelle Ute 7-1, prod.
- Chasel-Sprouse 1-18A1E, prod.
- Roosevelt Unit C-11, prod.
- Mary-R U 278, prod.
- Roosevelt Unit 13, prod.
- Quinex-CMS 1-13A1, prod.

Water Wells Within 1 Mile

- a18833
- 43-9460
- 43-11194

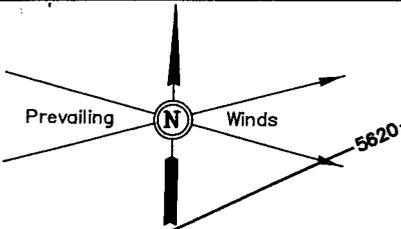
FLYING J OIL & GAS INC.

LOCATION LAYOUT FOR

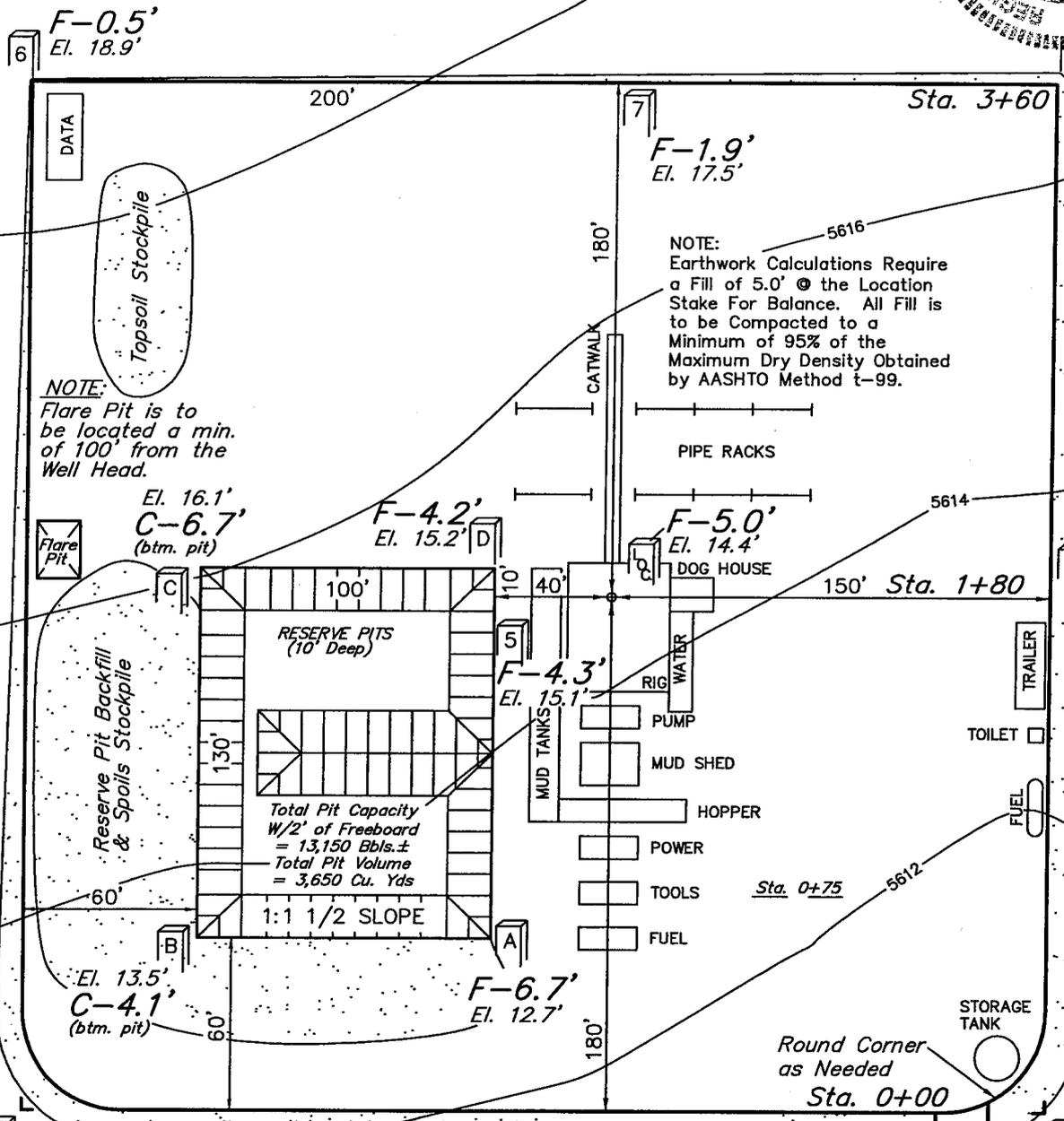
KILLIAN #3-12A1
SECTION 12, T1S, R1W, U.S.B.&M.

660' FSL 660' FEL

FIGURE #1



SCALE: 1" = 60'
DATE: 05-22-08
Drawn By: M.D.



Elev. Ungraded Ground at Location Stake = 5614.4'
Elev. Graded Ground at Location Stake = 5619.4'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

FLYING J OIL & GAS INC.

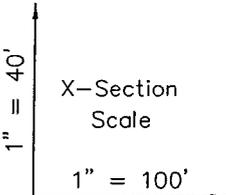
TYPICAL CROSS SECTIONS FOR

KILLIAN #3-12A1

SECTION 12, T1S, R1W, U.S.B.&M.

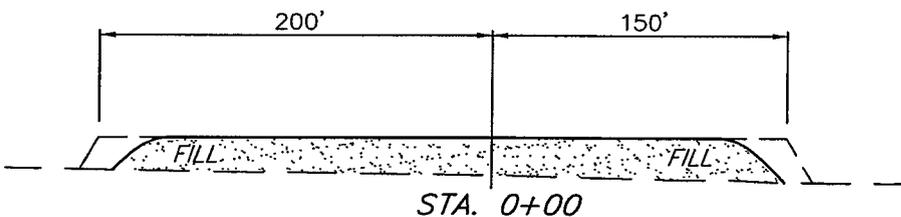
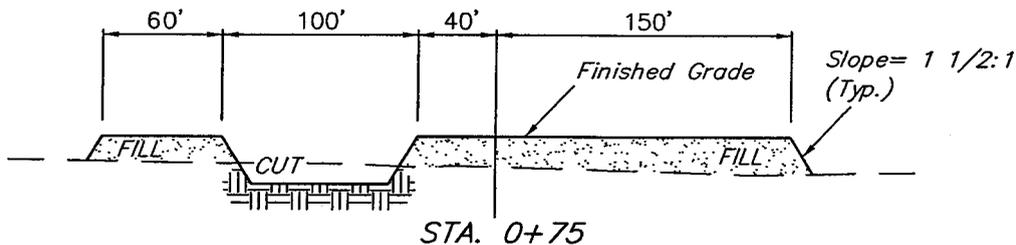
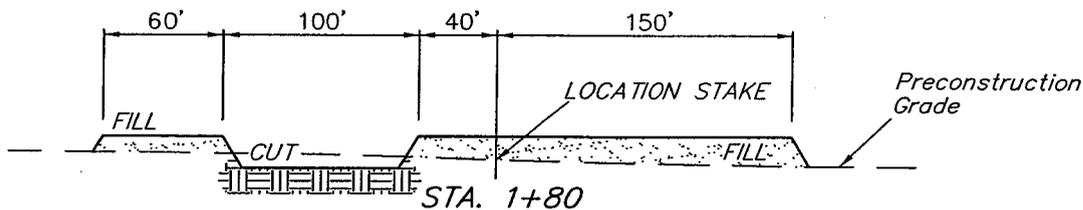
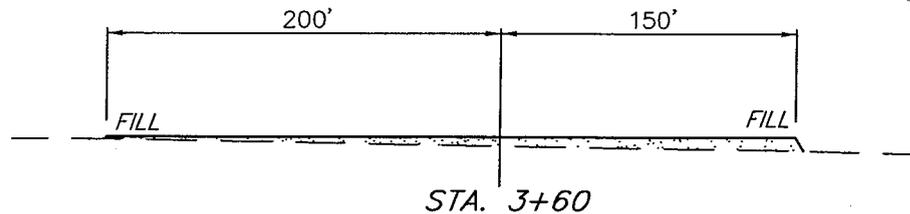
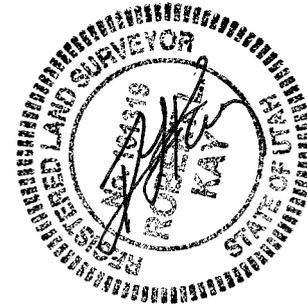
660' FSL 660' FEL

FIGURE #2



DATE: 05-22-08

Drawn By: M.D.



* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 5,200 Cu. Yds.
Remaining Location	= 1,170 Cu. Yds.
TOTAL CUT	= 6,370 CU.YDS.
FILL	= 24,040 CU.YDS.

EXCESS MATERIAL	= (17,670) Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 7,030 Cu. Yds.
EXCESS UNBALANCE	= (10,640) Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

FLYING J OIL & GAS INC.
**SURFACE USE AREA &
ROAD RIGHT-OF-WAY
ON FEE LANDS**
(For KILLIAN #3-12A1)
LOCATED IN
SECTION 12, T1S, R1W, U.S.B.&M.
UINTAH COUNTY, UTAH

**ROAD RIGHT-OF-WAY
DESCRIPTION ON ROSS KILLIAN LANDS**
A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE
FOLLOWING DESCRIBED CENTERLINE.

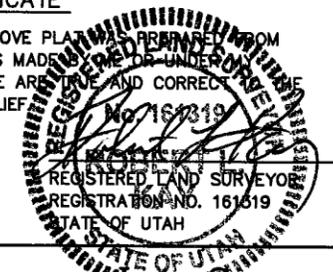
BEGINNING AT A POINT IN THE SE 1/4 SE 1/4 OF SECTION
12, T1S, R1W, U.S.B.&M. WHICH BEARS N89°13'22"W 528.63'
FROM THE SOUTHEAST CORNER OF SAID SECTION 12,
THENCE N00°44'52"W 104.58'; THENCE N00°44'20"W 123.93';
THENCE N00°47'54"W 125.52'; THENCE N00°30'02"W 87.61'
TO A POINT IN THE SE 1/4 SE 1/4 OF SAID SECTION 12,
WHICH BEARS N49°57'33"W 697.58' FROM THE SOUTHEAST
CORNER OF SAID SECTION 12. THE SIDE LINES OF SAID
DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR
ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES.
BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS
0.304 ACRES MORE OR LESS.

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE SE 1/4 SE 1/4 OF SECTION
12, T1S, R1W, U.S.B.&M. WHICH BEARS N49°57'33"W 697.58'
FROM THE SOUTHEAST CORNER OF SAID SECTION 12,
THENCE S89°22'17"W 346.86'; THENCE N00°37'43"W 410.00';
THENCE N89°22'17"E 400.00'; THENCE S00°37'43"E 410.00';
THENCE S89°22'17"W 53.14' TO THE POINT OF BEGINNING.
BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS
3.765 ACRES MORE OR LESS.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & SURVEYING
85 SOUTH - 200 EAST (435) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 400'	DATE 05-23-08
PARTY D.C. T.A. M.D.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE 4 8 8 3 3

NORTH - 3960.00' (G.L.O.)

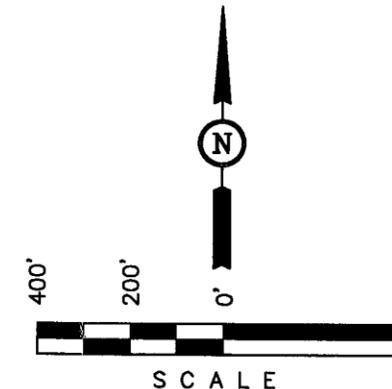
Sec. 12 1/4 Section Line

1/4 Section Line

1/16 Section Line

Section Line

LINE TABLE		
LINE	BEARING	LENGTH
L1	N00°44'52"W	104.58'
L2	N00°44'20"W	123.93'
L3	N00°47'54"W	125.52'
L4	N00°30'02"W	87.61'
L5	S89°22'17"W	346.86'
L6	N00°37'43"W	410.00'
L7	N89°22'17"E	400.00'
L8	S00°37'43"E	410.00'
L9	S89°22'17"W	53.14'



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

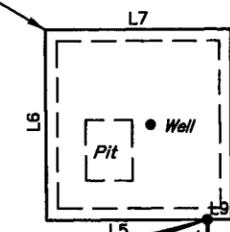
RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
KILLIAN, ROSS	441.64	0.304	26.77

1/16 Section Line

Set Spindle

ROSS KILLIAN

**SURFACE USE AREA
KILLIAN #3-12A1**
Contains 3.765 Acres



**END OF PROPOSED
ROAD RIGHT-OF-WAY
STA. 4+41.64**
(At Edge of Surface Use Area)

- P.I. 3+54.03
- P.I. 2+28.51
- P.I. 1+04.58

N00°09'53"E
1283.83' (Meas.)

Set Spindle

NOTE:
STA. 0+00.00 BEARS N89°13'22"W
528.63' FROM THE SOUTHEAST
CORNER OF SECTION 12, T1S, R1W,
U.S.B.&M.

STA. 4+41.64 BEARS N49°57'33"W
697.58' FROM THE SOUTHEAST
CORNER OF SECTION 12, T1S, R1W,
U.S.B.&M.

SW Cor. Sec. 12
Set Spindle

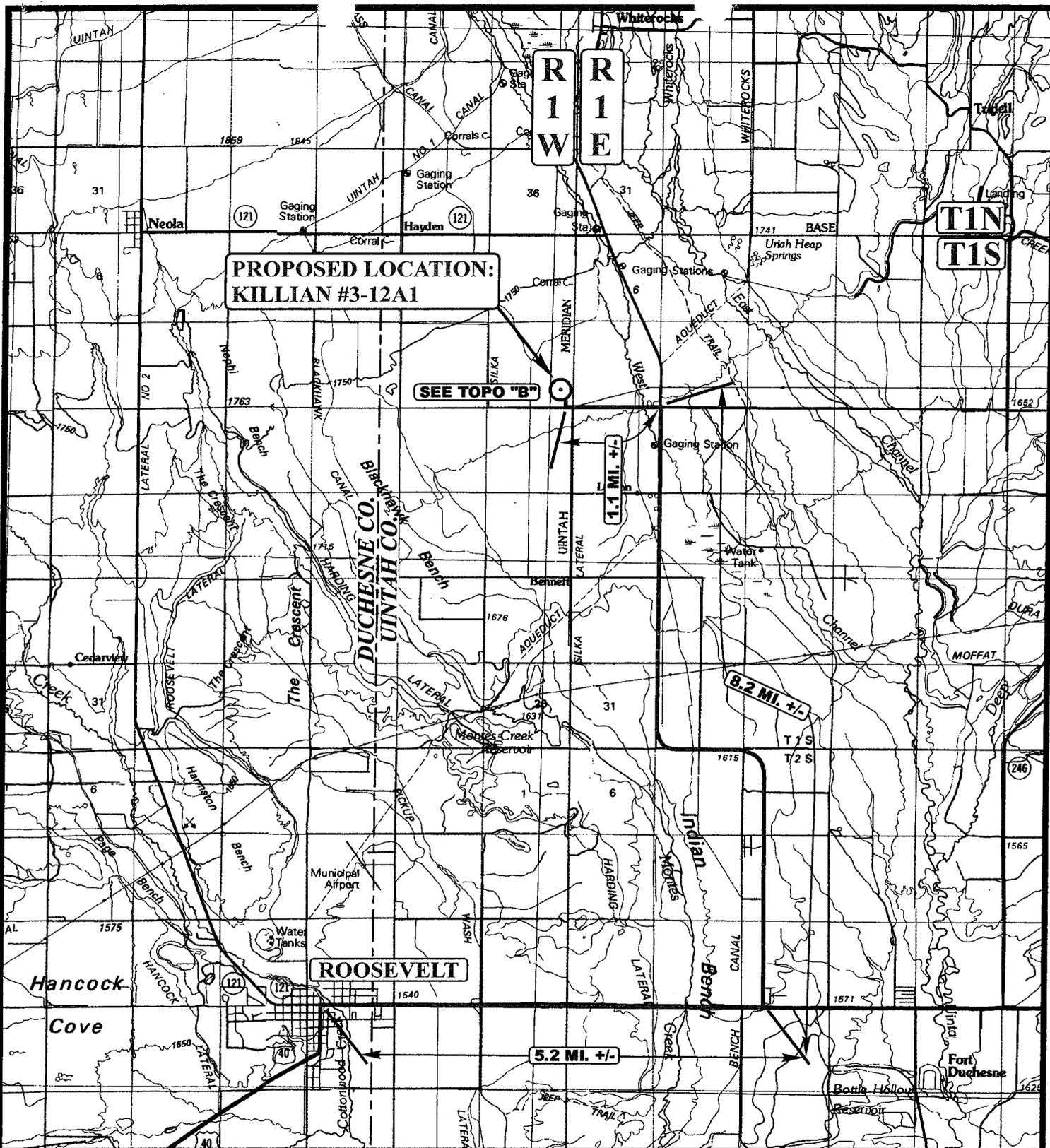
N89°06'48"E - 2624.83' (Meas.)

Set Spindle

N89°19'45"E - 2632.51' (Meas.)

**BEGINNING OF PROPOSED
ROAD RIGHT-OF-WAY
ON FEE LANDS
STA. 0+00.00**
(At Edge of Existing Road)

▲ = SECTION CORNERS LOCATED.



LEGEND:

○ PROPOSED LOCATION



FLYING J OIL & GAS INC.

KILLIAN #3-12A1
SECTION 12, T1S, R1W, U.S.B.&M.
660' FSL 660' FEL



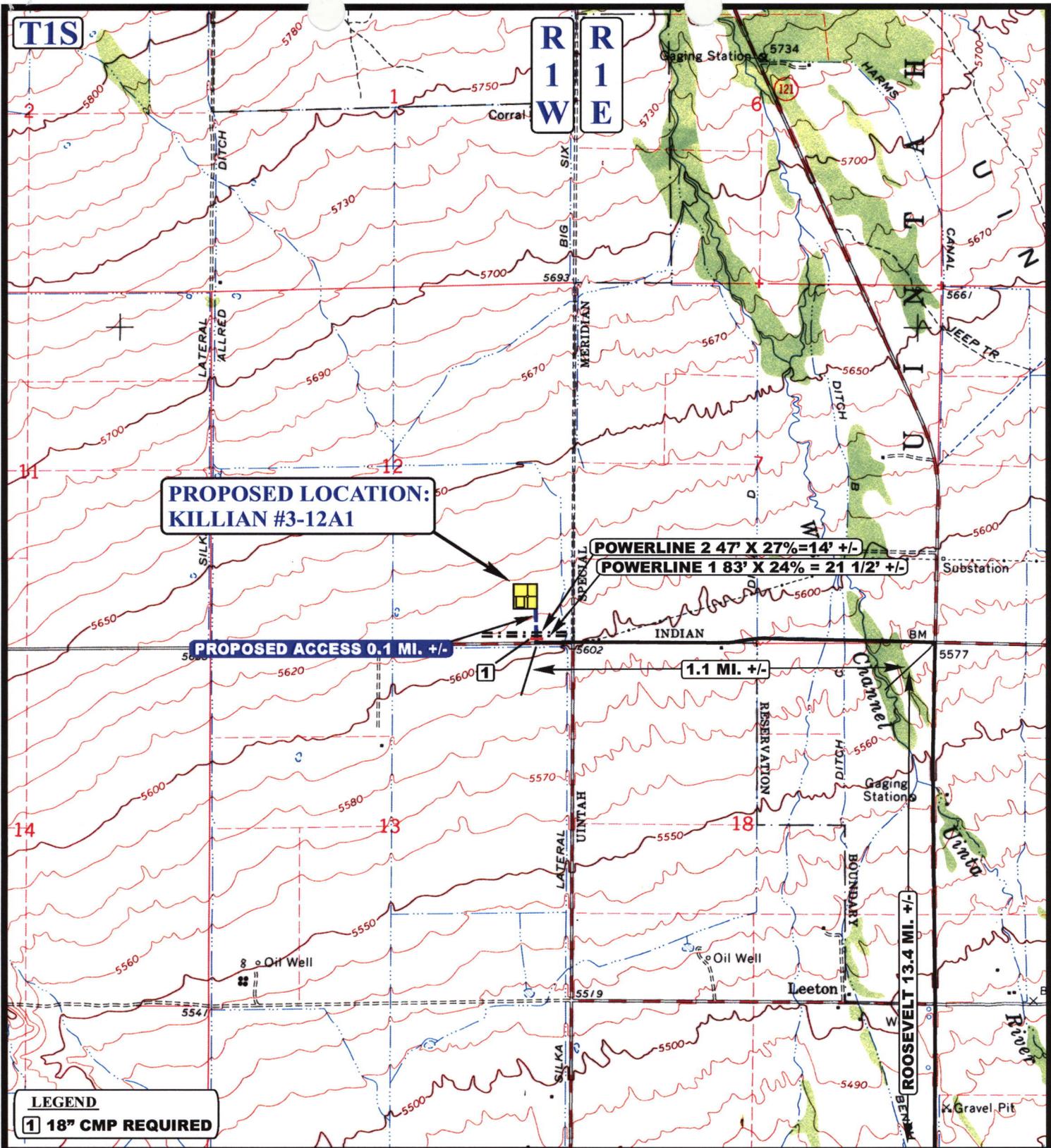
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

6 **2008**
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- - - PROPOSED ACCESS ROAD



FLYING J OIL & GAS INC.

KILLIAN #3-12A1
SECTION 12, T1S, R1W, U.S.B.&M.
660' FSL 660' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP

6	20	08
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/26/2008

API NO. ASSIGNED: 43-047-40226

WELL NAME: KILLIAN 3-12A1
 OPERATOR: FLYING J OIL & GAS INC (N8080)
 CONTACT: JORDAN NELSON

PHONE NUMBER: 801-296-7700

PROPOSED LOCATION:

SESE 12 010S 010W
 SURFACE: 0660 FSL 0660 FEL
 BOTTOM: 0660 FSL 0660 FEL
 COUNTY: UINTAH
 LATITUDE: 40.40566 LONGITUDE: -109.9371
 UTM SURF EASTINGS: 590194 NORTHINGS: 4473115
 FIELD NAME: BLUEBELL (65)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	8/13/08
Geology		
Surface		

LEASE TYPE: 4 - Fee
 LEASE NUMBER: FEE
 SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: Grrv
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. 08757276)
- N Potash (Y/N)
- N Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-11273)
- N RDCC Review (Y/N)
(Date: _____)
- _____ Fee Surf Agreement (Y/N)
- NA Intent to Commingle (Y/N)

LOCATION AND SITING:

- _____ R649-2-3.
- Unit: _____
- _____ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- _____ R649-3-3. Exception
- Drilling Unit
Board Cause No: 139-29
Eff Date: 4-26-2007
Siting: 660' for dir well & 1320' for other wells.
- _____ R649-3-11. Directional Drill

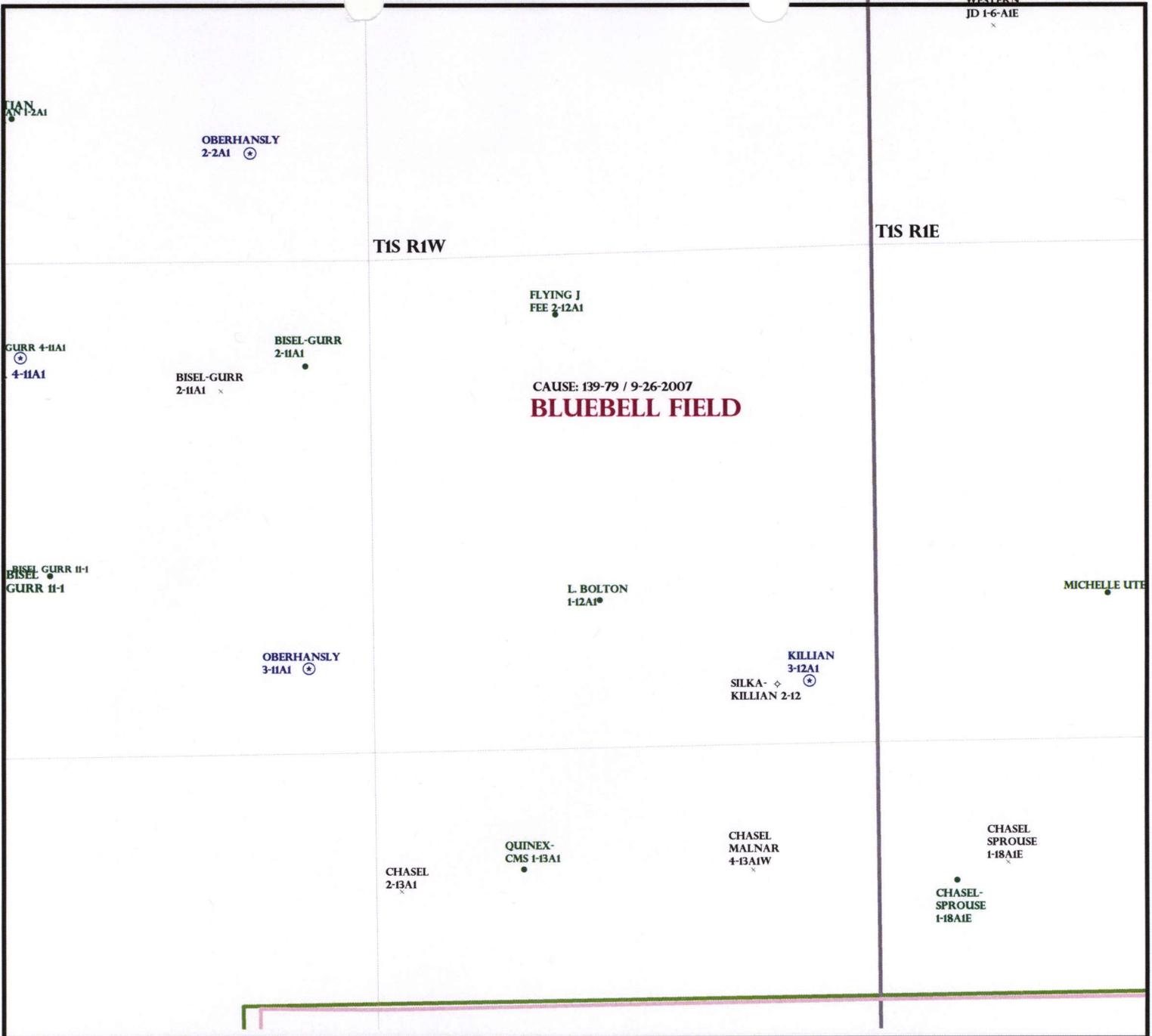
COMMENTS:

Needs Pres to (07-23-08)

STIPULATIONS:

1- STATEMENT OF BASIS

2- In accordance with Rule R649-3-34(9), the Division of Oil, Gas and Mining shall establish minimum wellsite restoration requirements for this well. Prior to plugging and abandonment of this well, the operator shall notify the Division and allow the Division to establish such minimum wellsite restoration requirements in advance of the operator commencing plugging and abandonment operations.



OPERATOR: FLYING J O&G INC (N8080)

SEC: 12 T.1S R.1W

FIELD: BLUEBELL (65)

COUNTY: UINTAH

CAUSE: 139-79 / 9-26-2007

- Wells Status**
- ☄ 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
 - ⊕ DRILLING

- Field Status**
- ▬ ABANDONED
 - ▬ ACTIVE
 - ▬ COMBINED
 - ▬ INACTIVE
 - ▬ PROPOSED
 - ▬ STORAGE
 - ▬ TERMINATED

- Unit Status**
- ▬ EXPLORATORY
 - ▬ GAS STORAGE
 - ▬ NF PP OIL
 - ▬ NF SECONDARY
 - ▬ PENDING
 - ▬ PI OIL
 - ▬ PP GAS
 - ▬ PP GEOTHERML
 - ▬ PP OIL
 - ▬ SECONDARY
 - ▬ TERMINATED



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 16-JULY-2008

08-05-08

8:45

CALLED ROSS KILLIAN
(435) 823-5310

HE WANTS MORE THAN
FLYING J HAS OFFERED.

HE IS WAITING ON FLYING J
TO COME AROUND AND HAS

NO INTENTION OF NEGOTIATING
FURTHER. I TOLD HIM

I WILL HAVE TO SIGN
THE PERMIT IF THERE IS
NO AGREEMENT. HE SAID HE
WILL NOT CALL THEM.

RA

08-11-08

9:55

CHRIS MAUN RETURNED MY

CALL ABOUT THE KILLIAN
WELL. HE SAID THAT

FLYING J HAD MADE THEIR
BEST AND LAST OFFER. HE

SAID THAT HE PLANS TO
CONTACT MR. KILLIAN AFTER

THE PERMIT IS ISSUED TO
SEE IF THAT WOULD INFLUENCE

MR. KILLIAN TO SIGN A
SOA. I TOLD HIM THAT

MR. KILLIAN TOLD ME THAT

HE WOULDN'T NEGOTIATE FURTHER
AND THAT I INTENDED TO

SIGN THE APPLICATION. RA

Application for Permit to Drill

Statement of Basis

8/4/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
855	43-047-40226-00-00		OW	P	No
Operator	FLYING J OIL & GAS INC	Surface Owner-APD			
Well Name	KILLIAN 3-12A1	Unit			
Field	UNDESIGNATED	Type of Work			
Location	SESE 12 1S 1W U 660 FSL 660 FEL	GPS Coord (UTM) 590194E 4473115N			

Geologic Statement of Basis

Flying J proposes to set 150' of conductor pipe and 2,400' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,600'. A search of Division of Water Rights records shows over 30 water wells within a 10,000 foot radius of the center of Section 12. The wells are owned by Roosevelt City and private individuals. These wells range in depth from 30 to 200 feet and are used for irrigation, domestic use and stock watering. The surface formation at this site is Quaternary alluvium lying on the Duchesne River Formation. Water wells in this area produce from these two formations. The Duchesne River Formation is made up of interbedded shales and sandstones. The Duchesne River Formation is expected to be a significant source of water. The production casing cement should be brought up above the base of the moderately saline water in order to isolate it from fresher waters up hole.

Brad Hill
APD Evaluator

8/4/2008
Date / Time

Surface Statement of Basis

This site is a good site for a location and well. Landowner was present at this Predrill Evaluation. He will lose some pasture acreage, but this acreage is of poor quality and only irrigated during high water runoff in the Spring. Landowner complaints are listed in the comments section. Reserve pit will be to the southwest of the well bore. This site has a high water table and is extremely wet in the Spring. Road base or fill will be hauled in to build location.

David Hackford
Onsite Evaluator

7/23/2008
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Pits	The reserve pit should be located on the west side of the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator FLYING J OIL & GAS INC
Well Name KILLIAN 3-12A1
API Number 43-047-40226-0 **APD No** 855 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 SESE **Sec** 12 **Tw** 1S **Rng** 1W 660 FSL 660 FEL
GPS Coord (UTM) 590202 4473118 **Surface Owner**

Participants

David Hackford (DOGM), Larry Rich (Flying J), Ross Killian (Landowner).

Regional/Local Setting & Topography

Site is on Blackhawk Bench, a relatively flat area draining nearly due south. This bench has historically been used for agriculture, and the proposed location is currently irrigated pasture used for livestock grazing. Neola, Utah is six miles to the northwest.

Surface Use Plan

Current Surface Use

Grazing
Agricultural

New Road

Miles	Well Pad		Src Const Material	Surface Formation
0.1	Width 350	Length 360	Offsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Site is irrigated pasture, but it does not appear to have been irrigated in several months. Native grasses and weeds. Foxtail, wiregrass and knapweed are prevalent.

Soil Type and Characteristics

Light brown sandy, clay.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues Y

Road base or fill will be hauled in to build up location.

Drainage Diversion 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

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	25 to 75	15
Distance to Surface Water (feet)	300 to 1000	2
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	TDS>5000 and <10000	10
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Present	15
	Final Score	52 1 Sensitivity Level

Characteristics / Requirements

Pit will be 130' by 100' and 10' deep.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

Other Observations / Comments

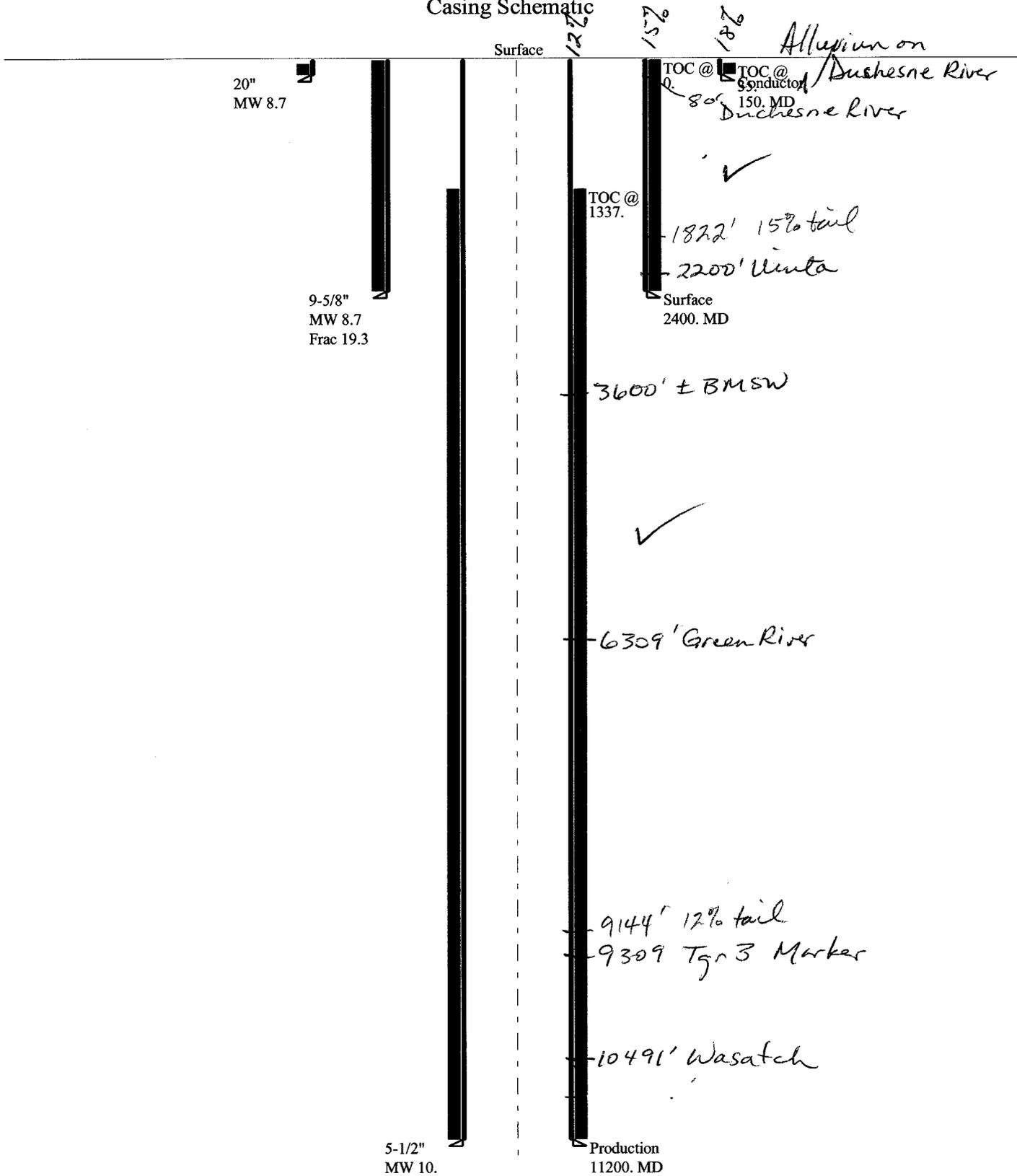
Landowner is definitely opposed to this well. He stated that Flying J did not offer him enough money to sign a landowner agreement. He also is concerned that Flying J will not maintain the fences around the location or the access road leading to the location. He stated that Flying J was a poor operator and was not concerned with landowners. He made several complaints about local existing wells. These problems were in my opinion rather minor, and Larry Rich stated that they would be taken care of.

David Hackford
Evaluator

7/23/2008
Date / Time

43047402260000 Killian 3-12A1

Casing Schematic



Well name:	43047402260000 Killian 3-12A1		
Operator:	Flying J Oil & Gas, Inc.		Project ID:
String type:	Surface		43-047-40226-0000
Location:	Uintah Co.		

Design parameters:

Collapse
Mud weight: 8.700 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:
Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 99 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 185 ft

Burst:
Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 1,872 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,400 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: 1.50 (B)

Tension is based on air weight.
Neutral point: 2,091 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 11,200 ft
Next mud weight: 10.000 ppg
Next setting BHP: 5,818 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,400 ft
Injection pressure: 2,400 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)	Internal Capacity (ft³)
1	2400	9.625	36.00	J-55	ST&C	2400	2400	8.796	1041.8
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	1085	2020	1.862	2400	3520	1.47	86	394	4.56 J

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

Phone: 810-538-5357

Date: August 5, 2008
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 2400 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

Well name:	43047402260000 Killian 3-12A1		
Operator:	Flying J Oil & Gas, Inc.	Project ID:	43-047-40226-0000
String type:	Production		
Location:	Uintah Co.		

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: 65 °F
Bottom hole temperature: 222 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 368 ft

Cement top: 1,337 ft

Burst

Max anticipated surface pressure: 3,354 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,818 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: 1.50 (B)

Non-directional string.

Tension is based on air weight.

Neutral point: 9,501 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)	Internal Capacity (ft³)
1	11200	5.5	17.00	HCP-110	LT&C	11200	11200	4.767	1461.9
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	5818	8580	1.475	5818	10640	1.83	190	445	2.34 J

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

Phone: 810-538-5357

Date: August 5, 2008
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 11200 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW

Flying J Killian 3-12A1 API 43-047-40226-0000

INPUT

Well Name

Flying J Killian 3-12A1 API 43-047-40226-0000	
String 1	String 2
8 5/8	5 1/2
2400	11200
105	2400
8.7	10 ✓
0	5000
3520	10640
5824	10.0 ppg ✓

Casing Size (")

Setting Depth (TVD)

Previous Shoe Setting Depth (TVD)

Max Mud Weight (ppg)

BOPE Proposed (psi)

Casing Internal Yield (psi)

Operators Max Anticipated Pressure (psi)

Calculations

String 1 8 5/8 "

Max BHP [psi]	$.052 * \text{Setting Depth} * \text{MW} =$	1086	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	798	NO <i>Reasonable depth - no expected pressures</i>
MASP (Gas/Mud) [psi]	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	558	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	581	← NO <i>Reasonable</i>
Required Casing/BOPE Test Pressure		2400 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		105 psi	*Assumes 1psi/ft frac gradient

Calculations

String 2 5 1/2 "

Max BHP [psi]	$.052 * \text{Setting Depth} * \text{MW} =$	5824	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	4480	YES ✓
MASP (Gas/Mud) [psi]	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	3360	YES
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	3888	← NO <i>Reasonable</i>
Required Casing/BOPE Test Pressure		5000 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		2400 psi	*Assumes 1psi/ft frac gradient



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 13, 2008

Flying J Oil & Gas Inc.
333 W Center St.
North Salt Lake, UT 84054

Re: Killian 3-12A1 Well, 660' FSL, 660' FEL, SE SE, Sec. 12, T. 1 South, R. 1 West,
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

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. The API identification number assigned to this well is 43-047-40226.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor

Operator: Flying J Oil & Gas Inc.
Well Name & Number Killian 3-12A1
API Number: 43-047-40226
Lease: Fee

Location: SE SE Sec. 12 T. 1 South R. 1 West

Conditions of Approval

1. 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.

2. Notification Requirements

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

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

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

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

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

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Page 2

43-047-40226

August 13, 2008

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

5. In accordance with Rule R649-3-34(9), the Division of Oil, Gas and Mining shall establish minimum wellsite restoration requirements for this well. Prior to plugging and abandonment of this well, the operator shall notify the Division and allow the Division to establish such minimum wellsite restoration requirements in advance of the operator commencing plugging and abandonment operations.

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5 MINERAL LEASE NO: UT ML #39760	6 SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: NA	
2. NAME OF OPERATOR: Flying J Oil & Gas Inc.		9. WELL NAME and NUMBER: Killian 3-12A1	
3. ADDRESS OF OPERATOR: 333 W Center St CITY North Salt Lake STATE UT ZIP 84054		PHONE NUMBER: (801) 296-7700	10. FIELD AND POOL, OR WILDCAT: Bluebell
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 660 FSL 660 FEL AT PROPOSED PRODUCING ZONE: Same		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 12 T1S R1W U	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 5.2 miles southeast of Neola, Utah		12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 660	16. NUMBER OF ACRES IN LEASE: 640 +/-	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 640	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 2,411 (completed)	19. PROPOSED DEPTH: 11,200	20. BOND DESCRIPTION: State Blanket #08757276	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5,619 (graded ground)	22. APPROXIMATE DATE WORK WILL START: 9/25/2008	23. ESTIMATED DURATION: 30 days	

43 047 40226

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
26" +	20"	150	Class G	150+ sks	1.15 cuft/sk	15.8 #/gal
12 1/4"	9 5/8" J-55 36#	2,400	Lead: Type V	310 sks	3.82 cuft/sk	11.0 #/gal
			Tail: Class G	290 sks	1.15 cuft/sk	15.8 #/gal
			Top Out: Class G	150 sks	1.15 cuft/sk	15.8 #/gal
7 7/8"	5 1/2" HCP-110 17#	11,200	Lead: EconoCem V1	530 sks	3.82 cuft/sk	11.0 #/gal
			Tail: ExtendaCem V1	365 sks	1.46 cuft/sk	13.4 #/gal

25. **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"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Jordan R. Nelson TITLE Petroleum Engineer

SIGNATURE *Jordan R. Nelson* DATE 1/21/2009

(This space for State use only)

API NUMBER ASSIGNED: _____

APPROVAL: _____

RECEIVED
JAN 22 2009
DIV. OF OIL, GAS & MINING



FLYING J OIL & GAS INC.

333 WEST CENTER STREET • NORTH SALT LAKE, UTAH 84054
PHONE (801) 296-7700 • FAX (801) 296-7888

January 21, 2009

Ms. Diana Mason
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

RE: Killian 3-12A1
Amended Form 3

Dear Ms. Mason:

Enclosed are duplicate copies of an amended Form 3 for the Killian 3-12A1 well (API #43-047-40226) which was permitted August 13, 2008. The original form 3 submitted with the APD erroneously designated the lease as Fee. The lease where the well is to be drilled is on State Mineral Lease #39760. This information has been corrected and highlighted in the attached amended report.

If you have any questions or need additional information please call me at 801-296-7772.

Sincerely,

Jordan R. Nelson
Petroleum Engineer

RECEIVED

JAN 22 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UT ML 39760
---	--

SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
--	--

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: KILLIAN 3-12A1
------------------------------------	---

2. NAME OF OPERATOR: FLYING J OIL & GAS INC	9. API NUMBER: 43047402260000
---	---

3. ADDRESS OF OPERATOR: 333 W Center St , North Salt Lake, UT, 84054	PHONE NUMBER: 801 296-7710 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
--	--	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 01.0S Range: 01.0W Meridian: U	COUNTY: UINTAH STATE: UTAH
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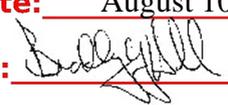
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/1/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<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 checked="" type="checkbox"/> APD EXTENSION OTHER:

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

Asking for one year Drilling Permit Extension due to delays in field development, evaluation of production in the field, and budget extensions.

Approved by the
 Utah Division of
 Oil, Gas and Mining

Date: August 10, 2009
 By: 

NAME (PLEASE PRINT) Jordan R. Nelson	PHONE NUMBER 801 296-7772	TITLE Petroleum Engineer
SIGNATURE N/A	DATE 8/10/2009	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047402260000

API: 43047402260000

Well Name: KILLIAN 3-12A1

Location: 0660 FSL 0660 FEL QTR SESE SEC 12 TWNP 010S RNG 010W MER U

Company Permit Issued to: FLYING J OIL & GAS INC

Date Original Permit Issued: 8/13/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Approved by the Utah Division of Oil, Gas and Mining

Signature: Jordan R. Nelson

Date: 8/10/2009

Title: Petroleum Engineer Representing: FLYING J OIL & GAS INC

Date: August 10, 2009

By: [Signature]

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

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

1/1/2010

FROM: (Old Operator): N8080-Flying J Oil & Gas, Inc. 333 West Center Street North Salt Lake, UT 84054 Phone: 1 (801) 296-7726	TO: (New Operator): N3065-El Paso E&P Company, LP 1099 18th Street, Suite 1900 Denver, CO 80202 Phone: 1 (303) 291-6400
--	--

CA No.		Unit:						
WELL NAME	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

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/13/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/13/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/24/2010
- Is the new operator registered in the State of Utah: Business Number: 2114377-0181
- (R649-9-2)Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: 8/10/2009 *
- Reports current for Production/Disposition & Sundries on: 2/22/2010
- 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 not yet BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/8/2010

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 2/24/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/24/2010
- Bond information entered in RBDMS on: 2/24/2010
- Fee/State wells attached to bond in RBDMS on: 2/24/2010
- Injection Projects to new operator in RBDMS on: 2/24/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: *

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: WYB3457
- Indian well(s) covered by Bond Number: RLB0009692
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0708
- The **FORMER** operator has requested a release of liability from their bond on: not yet

LEASE INTEREST OWNER NOTIFICATION:

- (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: 2/25/2010

COMMENTS: * Due to Flying J's bankruptcy, these items are being accepted as is.

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

FORM 9

SUNDRY NOTICE AND REPORTS ON WELLS <small>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.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attachment
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See Attachment
		7. UNIT or CA AGREEMENT NAME: See Attachment
		8. WELL NAME and NUMBER See Attachment
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	9. API NUMBER: See Attachment	
2. NAME OF OPERATOR El Paso E&P Company, L.P. <i>N 3065</i>	10. FIELD AND POOL, OR WILDCAT See Attachment	
3. ADDRESS OF OPERATOR 1099 18th Street, Suite 1900, Denver, CO 80202	PHONE NUMBER 303-291-6400	

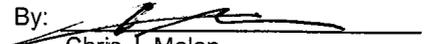
4. LOCATION OF WELLS
FOOTAGES AT SURFACE: See Attachment COUNTY: Duchesne & Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT <small>(Submit in Duplicate)</small> <small>Approximate date work will start</small>	<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/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT <small>(Submit Original Form Only)</small> <small>Date of work completion:</small>	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER Change of Operator

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

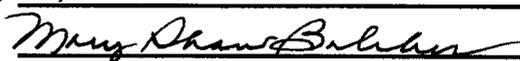
Effective January 1, 2010, operations of the wells on the attached exhibit were taken over by:
 El Paso E&P Company, L.P., a Delaware limited partnership
 1099 18th Street, Suite 1900
 Denver, CO 80202

The previous operator was: FLYING J OIL & GAS INC. *N 8080*
 333 WEST CENTER STREET
 NORTH SALT LAKE, UT 84054
801 296-7726

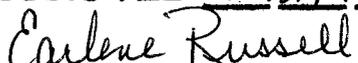
By: 
 Chris J. Malan
 Executive Vice President

Effective January 1, 2010, El Paso E&P Company, L.P. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under Utah Department of Natural Resources Bond 400JU0708 issued by Travelers Casualty and Surety

BLM WYB3457 BIA RLB0009692

NAME (PLEASE PRINT) Mary Sharon Balakas TITLE Attorney in Fact
 SIGNATURE  DATE 12/29/09

(This space for State use only)

APPROVED *2/24/2010*

 Division of Oil, Gas and Mining
 Earlene Russell, Engineering Technician

RECEIVED
 JAN 13 2010
 DIV. OF OIL, GAS & MINING

Flying J Oil Gas Inc (N8080) to El Paso E1 Company LP (N3065)

well_name	sec	twp	rng	api	entity	Lease	well	stat	flag
GOVT 4-14	14	060S	200E	4304730155	760	Federal	OW	S	
GOVERNMENT 10-14	14	060S	200E	4304732709	12009	Federal	OW	S	
GOVERNMENT 12-14	14	060S	200E	4304732850	12150	Federal	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	Indian	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	Indian	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	Indian	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	Indian	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	Indian	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	Indian	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	Indian	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	Indian	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	Indian	OW	P	
UTE TRIBAL 1-29A1E	29	010S	010E	4304730937	895	Indian	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	Indian	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	Indian	OW	P	
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	Fee	OW	P	
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	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	
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	Fee	OW	P	
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	Fee	OW	P	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	Fee	OW	P	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	Fee	OW	P	
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	Fee	OW	P	
REARY 2-17A3	17	010S	030W	4301331318	11251	Fee	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	Fee	OW	P	
DAVIS 1-33A1E	33	010S	010E	4304730384	805	Fee	WD	A	
LARSEN 1-25A1	25	010S	010W	4304730552	815	Fee	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	Fee	OW	TA	
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	
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	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	Fee	OW	P	
KNIGHT 16-30	30	030S	020E	4304738499	16466	Fee	OW	P	
ELIASON 6-30	30	030S	020E	4304738500	16465	Fee	OW	S	

Flying J Oil Gas Inc (N8080) to El Paso E2 Company LP (N3065)

well_name	sec	tpw	rng	api	entity	Lease	well	stat	flag
KNIGHT 14-30	30	030S	020E	4304738501	15848	Fee	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	Fee	OW	P	
OBERHANSLY 3-11A1	11	010S	010W	4304739679		Fee	OW	APD	
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	Fee	OW	P	
ULT 4-31	31	030S	020E	4304740017	16985	Fee	OW	P	
DEEP CREEK 2-31	31	030S	020E	4304740026	16950	Fee	OW	P	
DEEP CREEK 8-31	31	030S	020E	4304740032	17053	Fee	OW	P	
ULT 6-31	31	030S	020E	4304740033		Fee	OW	APD	
ULT 12-29	29	030S	020E	4304740039	17010	Fee	OW	P	
ELIASON 12-30	30	030S	020E	4304740040	17011	Fee	OW	P	C
OBERHANSLY 2-2A1	02	010S	010W	4304740164		Fee	OW	APD	
KILLIAN 3-12A1	12	010S	010W	4304740226		State	OW	APD	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML 39760
SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: KILLIAN 3-12A1
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP	9. API NUMBER: 43047402260000
3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202	PHONE NUMBER: 303 291-6417 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 01.0S Range: 01.0W Meridian: U	9. FIELD and POOL or WILDCAT: BLUEBELL COUNTY: Uintah 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 Approximate date work will start: 5/15/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" 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:

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

THE SUBJECT WELL IS CURRENTLY PERMITTED TO 11,200'. EL PASO E & P COMPANY PROPOSES TO DRILL THE SUBJECT WELL TO 15,800'. PLEASE SEE ATTACHED WELL BORE DIAGRAM WITH CASING, CEMENT AND MUD PLAN TO COVER THE CHANGES NEEDED TO DRILL DEEPER. The maximum anticipated bottomhole pressure calculated at 15,800' TD equals approximately 11,060 psi (calculated based on a pressure gradient of 0.70 psi/foot). The maximum anticipated surface pressure equals approximately 7,584 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.2 psi/ft). The maximum anticipated surface pressure based on frac gradient at the 7" casing shoe (0.8 psi/ft at 10,497') = 6,088 psi BOPE and casing design is based on the lesser of the two MASPs which is frac gradient at the 7" shoe = 6,088 psi.

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

Date: March 23, 2010
 By: *Derek Burt*

NAME (PLEASE PRINT) Marie Okeefe	PHONE NUMBER 303 291-6417	TITLE Sr Regulatory Analyst
SIGNATURE N/A	DATE 3/16/2010	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047402260000

- 1. Cement volume for the 13 5/8" surface string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to surface as indicated in the submitted drilling plan.**
- 2. 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 3600' MD as indicated in the submitted drilling plan.**

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

Date: March 23, 2010
By: 

43047402260000 Killian 3-12A1rev

Casing Schematic

Surface

✓ Slip surf. cmt.

13-3/8"
MW 8.3
Frac 19.3

9-5/8"
MW 8.4
Frac 19.3

✓ slip

7"
MW 10.

4-1/2"
MW 13.5

TOC @ 0. ✓
- 80' Duchesne River
TOC @ surf @ 2% w/o
340. ✓ slip ✓
Surface
800. MD ✓

2200' Uinta
3249' tail
3600' ± BMSW-USGS
3647' El Paso BMSW
Intermediate
3800. MD

TOC @ → to 3473' @ 6% w/o, tail 9928
4968.

5822' GRRV-Green River
propose to 3600'
* ✓ slip

7362' GRTN1-GR

8007' Mahogany Bench

9327' TGR3-Lower GR

TOL @ 10297.
10049 tail
10397' Wasatch
Production

TOC @ 10773. → to TOL @ 9% w/o
10497. MD

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

Propose to TOL
Date: March 23, 2010

By: Dan [Signature]

Production Liner
15800. MD

Well name:	43047402260000 Killian 3-12A1rev		
Operator:	EI Paso E&P Company, LP		
String type:	Surface	Project ID:	43-047-40226-0000
Location:	Uintah Co.		

Design parameters:

Collapse

Mud weight: 8.300 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 704 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP: 800 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 702 ft

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 76 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 185 ft
 Cement top: 340 ft

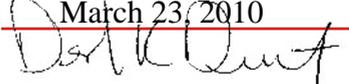
Non-directional string.

Re subsequent strings:

Next setting depth: 3,800 ft
 Next mud weight: 8.400 ppg
 Next setting BHP: 1,658 psi
 Fracture mud wt: 19,250 ppg
 Fracture depth: 800 ft
 Injection pressure: 800 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)	Internal Capacity (ft³)
1	800	13.375	54.50	J-55	ST&C	800	800	12.49	694.3
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	345	1130	3.276	800	2730	3.41	44	514	11.79 J

Approved by the Utah Division of Oil, Gas and Mining

Date: March 23, 2010
 By: 

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

Phone: 810-538-5357

Date: March 23, 2010
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 800 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	4304740226000 Killian 3-12A1rev		
Operator:	EI Paso E&P Company, LP		
String type:	Intermediate	Project ID:	43-047-40226-0000
Location:	Uintah Co.		

Design parameters:

Collapse

Mud weight: 8.400 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,964 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 3,800 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 3,325 ft

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 118 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 368 ft

Cement top: Surface

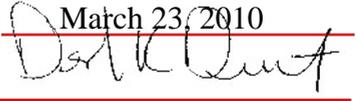
Non-directional string.

Re subsequent strings:

Next setting depth: 10,497 ft
 Next mud weight: 10.000 ppg
 Next setting BHP: 5,453 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 3,800 ft
 Injection pressure: 3,800 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)	Internal Capacity (ft³)
1	3800	9.625	40.00	K-55	LT&C	3800	3800	8.75	1617.8
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	1658	2570	1.550	3800	3950	1.04	152	561	3.69 J

Approved by the Utah Division of Oil, Gas and Mining

Date: March 23, 2010
 By: 

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

Phone: 810-538-5357

Date: March 23, 2010
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 3800 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43047402260000 Killian 3-12A1rev		
Operator:	El Paso E&P Company, LP		
String type:	Production	Project ID:	43-047-40226-0000
Location:	Uintah Co.		

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 3,144 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 5,453 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 8,914 ft

Environment:

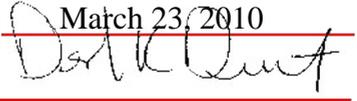
H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 212 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 368 ft

Cement top: 4,968 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10497	7	26.00	HCP-110	LT&C	10497	10497	6.151	2255.1
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	5453	7800	1.430	5453	9950	1.82	273	693	2.54 J

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

Date: March 23, 2010
By: 

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

Phone: 810-538-5357

Date: March 23, 2010
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 10497 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43047402260000 Killian 3-12A1rev	
Operator:	EI Paso E&P Company, LP	Project ID:
String type:	Production Liner	43-047-40226-0000
Location:	Uintah Co.	

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 7,604 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 11,080 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 14,674 ft

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 286 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,500 ft

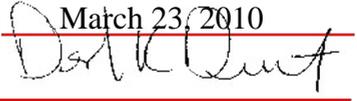
Cement top: 10,773 ft

Liner top: 10,297 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	5500	4.5	15.10	P-110	LT&C	15800	15800	3.701	439.1
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	11080	14350	1.295	11080	14420	1.30	83	406	4.89 J

Approved by the Utah Division of Oil, Gas and Mining

Date: March 23, 2010
 By: 

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

Phone: 810-538-5357

Date: March 23, 2010
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension. For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 15800 ft, a mud weight of 13.5 ppg. The Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW

Well Name: **EI Paso Killian 3-12A1rev API 43-047-40226-0000**

String 1	String 2	String 3	String 4
13 3/8	9 5/8	7	4 1/2
800	3800	10297	15800
0	800	3800	10297
8.3	8.4	10	13.5
0	500	5000	10000
2730	3950	9950	14420
11060			13.5 ppg

Calculations	String 1	String 2	String 3	String 4
Max BHP [psi]	13 3/8 "	9 5/8 "	7 "	4 1/2 "
MASP (Gas) [psi]	.052*Setting Depth*MW = 345			
MASP (Gas/Mud) [psi]	Max BHP-(0.12*Setting Depth) = 249			
	Max BHP-(0.22*Setting Depth) = 169			
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) = 169			
Required Casing/BOPE Test Pressure	500 psi			
*Max Pressure Allowed @ Previous Casing Shoe =	0 psi			

Calculations	String 2	String 3	String 4
Max BHP [psi]	9 5/8 "	7 "	4 1/2 "
MASP (Gas) [psi]	.052*Setting Depth*MW = 1660		
MASP (Gas/Mud) [psi]	Max BHP-(0.12*Setting Depth) = 1204		
	Max BHP-(0.22*Setting Depth) = 824		
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) = 1000		
Required Casing/BOPE Test Pressure	2765 psi		
*Max Pressure Allowed @ Previous Casing Shoe =	800 psi		

Calculations	String 3	String 4
Max BHP [psi]	7 "	4 1/2 "
MASP (Gas) [psi]	.052*Setting Depth*MW = 5354	
MASP (Gas/Mud) [psi]	Max BHP-(0.12*Setting Depth) = 4119	
	Max BHP-(0.22*Setting Depth) = 3089	
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) = 3925	
Required Casing/BOPE Test Pressure	6965 psi	
*Max Pressure Allowed @ Previous Casing Shoe =	3800 psi	

Calculations	String 4
Max BHP [psi]	4 1/2 "
MASP (Gas) [psi]	.052*Setting Depth*MW = 11092
MASP (Gas/Mud) [psi]	Max BHP-(0.12*Setting Depth) = 9196
	Max BHP-(0.22*Setting Depth) = 7616
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) = 9881
Required Casing/BOPE Test Pressure	10000 psi
*Max Pressure Allowed @ Previous Casing Shoe =	9950 psi

Approved by
 Gas Division
 Date: March 3, 2010

BOPE Adequate For Drilling And Setting Casing at Depth?
 NO 5" x 20" Rotating head
 NO
 *Can Full Expected Pressure Be Held At Previous Shoe?
 NO
 *Assumes 1psi/ft frac gradient

BOPE Adequate For Drilling And Setting Casing at Depth?
 NO 5" x 13 3/8" Smith rotating head
 NO
 *Can Full Expected Pressure Be Held At Previous Shoe?
 NO
 *Assumes 1psi/ft frac gradient

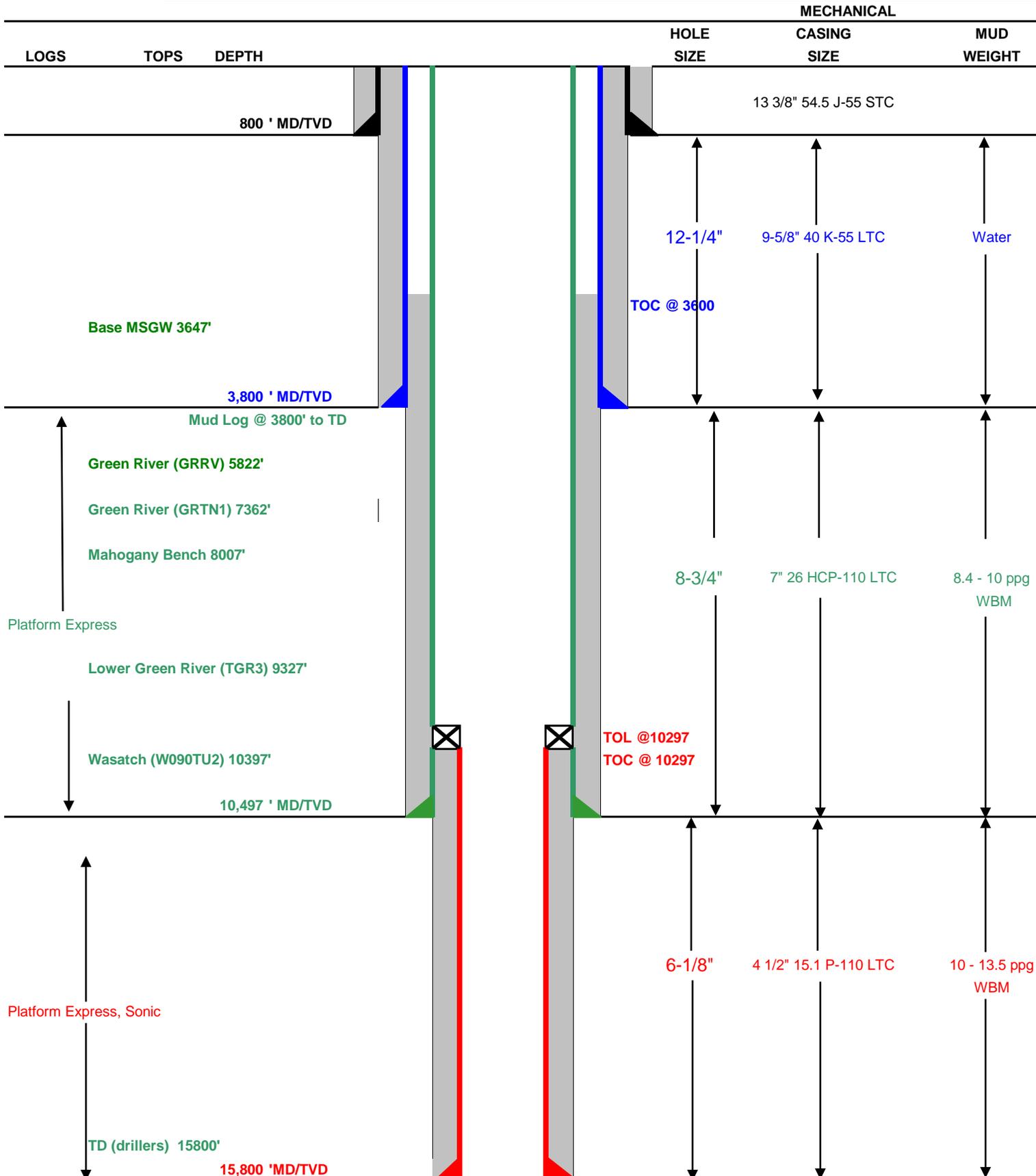
BOPE Adequate For Drilling And Setting Casing at Depth?
 YES
 YES
 *Can Full Expected Pressure Be Held At Previous Shoe?
 NO
 *Assumes 1psi/ft frac gradient

BOPE Adequate For Drilling And Setting Casing at Depth?
 YES
 YES
 *Can Full Expected Pressure Be Held At Previous Shoe?
 YES
 *Assumes 1psi/ft frac gradient



Drilling Schematic

Company Name: El Paso Exploration & Production	Date: March 15, 2010
Well Name: KILLIAN 3-12A1	TD: 15,800
Field, County, State: Altamont - Bluebell, Duchesne, Utah	AFE #:
Surface Location: Sec12 T1S R1W 660' FSL 660' FEL	BHL: Vertical Well
Objective Zone(s): Green River, Wasatch	Elevation: 5647
Rig: TBD	Spud (est.):
BOPE Info: 5.0 x 13 3/8 rotating head from 800 to 3800 11 5M BOP stack and 5M kill lines and choke manifold used from 3800 to 10497 & 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 10497 to TD	



DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0' - 800	54.5	J-55	STC	2,730 4.27	1,130 3.04	1,399 32.09
SURFACE	9-5/8"	0' - 3800	40.00	K-55	LTC	3,950 1.30	2,570 1.45	520 2.42
INTERMEDIATE	7"	0' - 10497	26.00	HCP-110	LTC	9,950 1.18	7,800 1.43	693 2.09
PRODUCTION LINER	4 1/2"	10297' - 15800	15.10	P-110	LTC	14,420 3.87	14,350 1.29	406 2.45

CEMENT PROGRAM	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR	800	Class G + 3% CACL2	540	10%	15.6 ppg	1.15
SURFACE	3,300	Lead LiteCRETE 0.8% Extender + 0.6% Retarder + 0.6% Dispersant	740	100%	9.0 ppg	2.83
		Tail 500	10:0 RFC + 10% Expanding Agent + 0.5 lb./sk Lost Circ Control Agent	200	100%	14.2 ppg
INTERMEDIATE	6,397	Lead 11# Extended Lead	330	35%	11.0 ppg	3.95
		Tail 500	12% BWOC Extender + 5% BWOC Salt + 2 lbs./bbl CemNET 15:85 Poz G + 20% Extender + 0.5% Fluid Loss + 0.9% Retarder + LCM	50	35%	12.5 ppg
PRODUCTION LINER	5,503	15:85 Poz G Class G + 20% Extender + 11% Silica + 0.75% Fluid Loss + 0.75% Retarder + 0.5% Dispersant + 2 ppb CemNET LCM	350	40%	13.30	2.1

FLOAT EQUIPMENT & CENTRALIZERS

CONDUCTOR	PDC drillable float 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 float shoe, 1 joint casing & PDC drillable float 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 on first 3 joints, then every 3rd joint.
LINER	Float shoe, 3 joints, float collar. Bow spring centralizers on bottom 3 joints, and every third joint to liner top. Thread lock all FE

PROJECT ENGINEER(S): Neil McRobbie

MANAGER: Eric Giles

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML 39760
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SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
--	--

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: KILLIAN 3-12A1
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2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP	9. API NUMBER: 43047402260000
--	---

3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202	PHONE NUMBER: 303 291-6417 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 01.0S Range: 01.0W Meridian: U	COUNTY: Uintah STATE: Utah
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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 Approximate date work will start: 5/15/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input checked="" 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.

THE SUBJECT WELL IS CURRENTLY PERMITTED TO 11,200'. EL PASO E & P COMPANY PROPOSES TO DRILL THE SUBJECT WELL TO 15,800'. PLEASE SEE ATTACHED WELL BORE DIAGRAM WITH CASING, CEMENT AND MUD PLAN TO COVER THE CHANGES NEEDED TO DRILL DEEPER. The maximum anticipated bottomhole pressure calculated at 15,800' TD equals approximately 11,060 psi (calculated based on a pressure gradient of 0.70 psi/foot). The maximum anticipated surface pressure equals approximately 7,584 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.2 psi/ft). The maximum anticipated surface pressure based on frac gradient at the 7" casing shoe (0.8 psi/ft at 10,497') = 6,088 psi BOPE and casing design is based on the lesser of the two MASPs which is frac gradient at the 7" shoe = 6,088 psi.

Approved by the Utah Division of Oil, Gas and Mining

Date: March 23, 2010
By: *Derek Burt*

NAME (PLEASE PRINT) Marie Okeefe	PHONE NUMBER 303 291-6417	TITLE Sr Regulatory Analyst
SIGNATURE N/A		DATE 3/16/2010



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047402260000

- 1. Cement volume for the 13 5/8" surface string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to surface as indicated in the submitted drilling plan.**
- 2. 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 3600' MD as indicated in the submitted drilling plan.**

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

Date: March 23, 2010

By: *Dan K. Quist*

43047402260000 Killian 3-12A1rev

Casing Schematic

Surface

✓ Slip surf. cmt.
13-3/8"
MW 8.3
Frac 19.3

9-5/8"
MW 8.4
Frac 19.3

✓ slip

7"
MW 10.

4-1/2"
MW 13.5

TOC @ 0.
- 80' Duchesne River
TOC @ surf @ 2% w/o
340. ✓ slip ✓
Surface
800. MD

2200' Uinta
3249' tail
3600' ± BMSW-USGS
3647' El Paso BMSW
Intermediate
3800. MD

TOC @ → to 3473' @ 6% w/o, tail 9928
4968.

5822' GRRV-Green River
propose to 3600'
* ✓ slip

7362' GRTN1-GR

8007' Mahogany Bench

9327' TGR3-Lower GR

TOL @ 10297.
10049 tail
10397' Wasatch
Production

TOC @ 10497. MD
10773. → to TOL @ 9% w/o

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

Propose to TOL
Date: March 23, 2010

By: Dan [Signature]

Production Liner
15800. MD

Well name:	43047402260000 Killian 3-12A1rev		
Operator:	EI Paso E&P Company, LP		
String type:	Surface	Project ID:	43-047-40226-0000
Location:	Uintah Co.		

Design parameters:

Collapse

Mud weight: 8.300 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 704 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP: 800 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 702 ft

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 76 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 185 ft
 Cement top: 340 ft

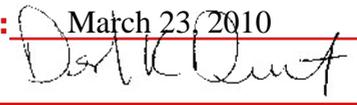
Non-directional string.

Re subsequent strings:

Next setting depth: 3,800 ft
 Next mud weight: 8.400 ppg
 Next setting BHP: 1,658 psi
 Fracture mud wt: 19,250 ppg
 Fracture depth: 800 ft
 Injection pressure: 800 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)	Internal Capacity (ft³)
1	800	13.375	54.50	J-55	ST&C	800	800	12.49	694.3
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	345	1130	3.276	800	2730	3.41	44	514	11.79 J

Approved by the Utah Division of Oil, Gas and Mining

Date: March 23, 2010
 By: 

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

Phone: 810-538-5357

Date: March 23, 2010
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 800 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	4304740226000 Killian 3-12A1rev		
Operator:	EI Paso E&P Company, LP		
String type:	Intermediate	Project ID:	43-047-40226-0000
Location:	Uintah Co.		

Design parameters:

Collapse

Mud weight: 8.400 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,964 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 3,800 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 3,325 ft

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 118 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 368 ft

Cement top: Surface

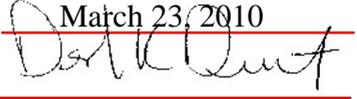
Non-directional string.

Re subsequent strings:

Next setting depth: 10,497 ft
 Next mud weight: 10.000 ppg
 Next setting BHP: 5,453 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 3,800 ft
 Injection pressure: 3,800 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)	Internal Capacity (ft³)
1	3800	9.625	40.00	K-55	LT&C	3800	3800	8.75	1617.8
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	1658	2570	1.550	3800	3950	1.04	152	561	3.69 J

Approved by the Utah Division of Oil, Gas and Mining

Date: March 23, 2010
 By: 

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

Phone: 810-538-5357

Date: March 23, 2010
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 3800 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43047402260000 Killian 3-12A1rev		
Operator:	El Paso E&P Company, LP		
String type:	Production	Project ID:	43-047-40226-0000
Location:	Uintah Co.		

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 3,144 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 5,453 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 8,914 ft

Environment:

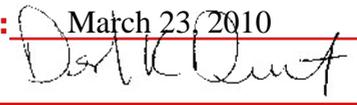
H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 212 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 368 ft

Cement top: 4,968 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10497	7	26.00	HCP-110	LT&C	10497	10497	6.151	2255.1
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	5453	7800	1.430	5453	9950	1.82	273	693	2.54 J

Approved by the Utah Division of Oil, Gas and Mining

Date: March 23, 2010
 By: 

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

Phone: 810-538-5357

Date: March 23, 2010
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 10497 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43047402260000 Killian 3-12A1rev	
Operator:	EI Paso E&P Company, LP	Project ID:
String type:	Production Liner	43-047-40226-0000
Location:	Uintah Co.	

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 7,604 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 11,080 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 14,674 ft

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 286 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,500 ft

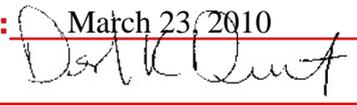
Cement top: 10,773 ft

Liner top: 10,297 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	5500	4.5	15.10	P-110	LT&C	15800	15800	3.701	439.1
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	11080	14350	1.295	11080	14420	1.30	83	406	4.89 J

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

Date: March 23, 2010
By: 

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

Phone: 810-538-5357

Date: March 23, 2010
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 15800 ft, a mud weight of 13.5 ppg. The Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW

Well Name: **EI Paso Killian 3-12A1rev API 43-047-40226-0000**

String 1	String 2	String 3	String 4
13 3/8	9 5/8	7	4 1/2
800	3800	10297	15800
0	800	3800	10297
8.3	8.4	10	13.5
0	500	5000	10000
2730	3950	9950	14420
11060			13.5 ppg

Calculations	String 1	String 2	String 3	String 4
Max BHP [psi]	13 3/8 "	9 5/8 "	7 "	4 1/2 "
MASP (Gas) [psi]	.052*Setting Depth*MW = 345			
MASP (Gas/Mud) [psi]	Max BHP-(0.12*Setting Depth) = 249			
	Max BHP-(0.22*Setting Depth) = 169			
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) = 169			
Required Casing/BOPE Test Pressure	500 psi			
*Max Pressure Allowed @ Previous Casing Shoe =	0 psi			

Calculations	String 2	String 3	String 4
Max BHP [psi]	9 5/8 "	7 "	4 1/2 "
MASP (Gas) [psi]	.052*Setting Depth*MW = 1660		
MASP (Gas/Mud) [psi]	Max BHP-(0.12*Setting Depth) = 1204		
	Max BHP-(0.22*Setting Depth) = 824		
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) = 1000		
Required Casing/BOPE Test Pressure	2765 psi		
*Max Pressure Allowed @ Previous Casing Shoe =	800 psi		

Calculations	String 3	String 4
Max BHP [psi]	7 "	4 1/2 "
MASP (Gas) [psi]	.052*Setting Depth*MW = 5354	
MASP (Gas/Mud) [psi]	Max BHP-(0.12*Setting Depth) = 4119	
	Max BHP-(0.22*Setting Depth) = 3089	
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) = 3925	
Required Casing/BOPE Test Pressure	6965 psi	
*Max Pressure Allowed @ Previous Casing Shoe =	3800 psi	

Calculations	String 4
Max BHP [psi]	4 1/2 "
MASP (Gas) [psi]	.052*Setting Depth*MW = 11092
MASP (Gas/Mud) [psi]	Max BHP-(0.12*Setting Depth) = 9196
	Max BHP-(0.22*Setting Depth) = 7616
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) = 9881
Required Casing/BOPE Test Pressure	10000 psi
*Max Pressure Allowed @ Previous Casing Shoe =	9950 psi

Approved by
 Gas Division
 Date: March 3, 2010

BOPE Adequate For Drilling And Setting Casing at Depth?
 NO 5" x 20" Rotating head
 NO
 *Can Full Expected Pressure Be Held At Previous Shoe?
 NO
 *Assumes 1psi/ft frac gradient

BOPE Adequate For Drilling And Setting Casing at Depth?
 NO 5" x 13 3/8" Smith rotating head
 NO
 *Can Full Expected Pressure Be Held At Previous Shoe?
 NO
 *Assumes 1psi/ft frac gradient

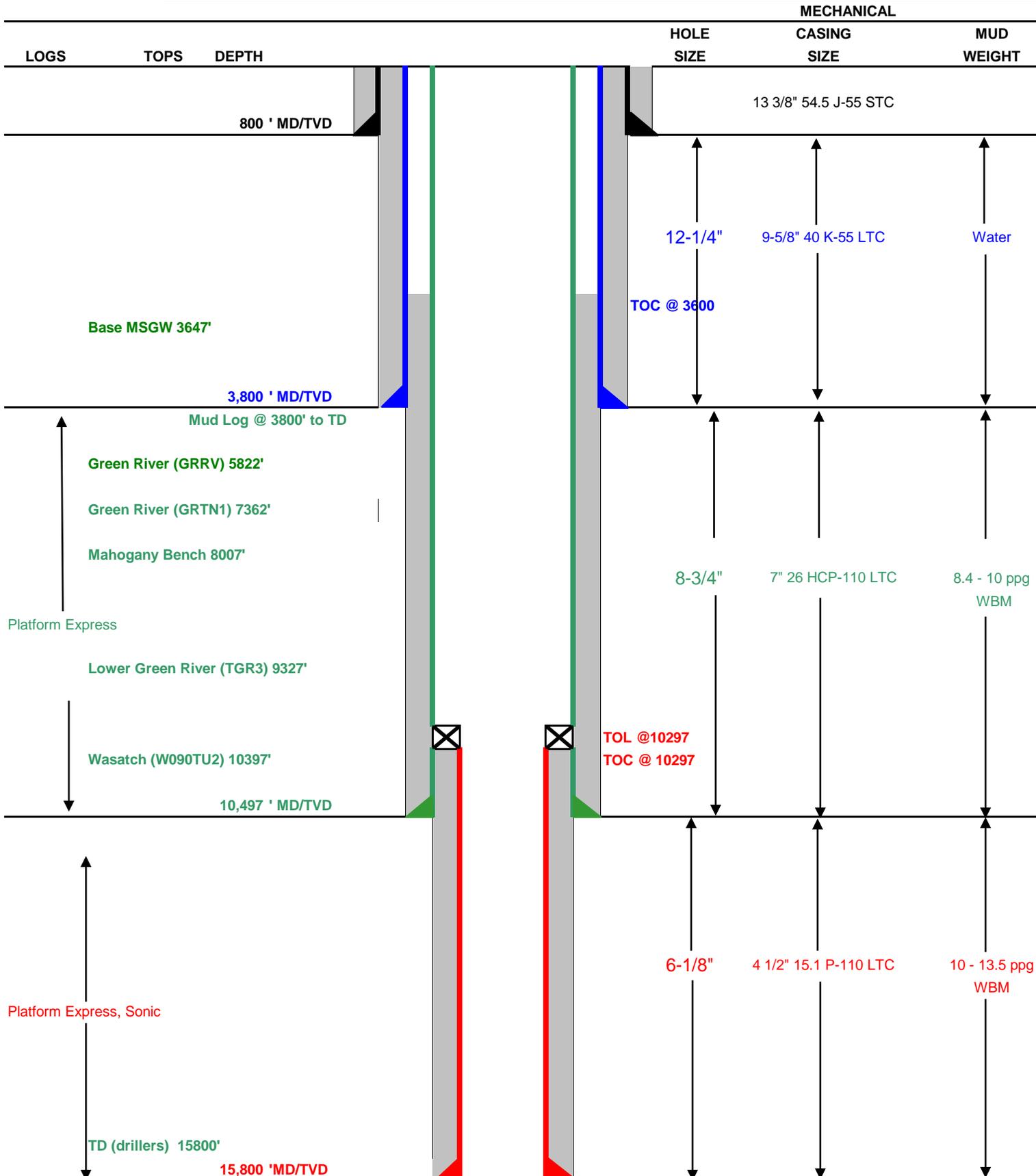
BOPE Adequate For Drilling And Setting Casing at Depth?
 YES
 YES
 *Can Full Expected Pressure Be Held At Previous Shoe?
 NO
 *Assumes 1psi/ft frac gradient

BOPE Adequate For Drilling And Setting Casing at Depth?
 YES
 YES
 *Can Full Expected Pressure Be Held At Previous Shoe?
 YES
 *Assumes 1psi/ft frac gradient



Drilling Schematic

Company Name: El Paso Exploration & Production	Date: March 15, 2010
Well Name: KILLIAN 3-12A1	TD: 15,800
Field, County, State: Altamont - Bluebell, Duchesne, Utah	AFE #:
Surface Location: Sec12 T1S R1W 660' FSL 660' FEL	BHL: Vertical Well
Objective Zone(s): Green River, Wasatch	Elevation: 5647
Rig: TBD	Spud (est.):
BOPE Info: 5.0 x 13 3/8 rotating head from 800 to 3800 11 5M BOP stack and 5M kill lines and choke manifold used from 3800 to 10497 & 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 10497 to TD	



DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0' - 800	54.5	J-55	STC	2,730 4.27	1,130 3.04	1,399 32.09
SURFACE	9-5/8"	0' - 3800	40.00	K-55	LTC	3,950 1.30	2,570 1.45	520 2.42
INTERMEDIATE	7"	0' - 10497	26.00	HCP-110	LTC	9,950 1.18	7,800 1.43	693 2.09
PRODUCTION LINER	4 1/2"	10297' - 15800	15.10	P-110	LTC	14,420 3.87	14,350 1.29	406 2.45

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		800	Class G + 3% CACL2	540	10%	15.6 ppg	1.15
SURFACE	Lead	3,300	LiteCRETE 0.8% Extender + 0.6% Retarder + 0.6% Dispersant	740	100%	9.0 ppg	2.83
	Tail	500	10:0 RFC + 10% Expanding Agent + 0.5 lb./sk Lost Circ Control Agent	200	100%	14.2 ppg	1.61
INTERMEDIATE	Lead	6,397	11# Extended Lead 12% BWOC Extender + 5% BWOC Salt + 2 lbs./bbl CemNET	330	35%	11.0 ppg	3.95
	Tail	500	15:85 Poz G + 20% Extender + 0.5% Fluid Loss + 0.9% Retarder + LCM	50	35%	12.5 ppg	2.30
PRODUCTION LINER		5,503	15:85 Poz G	350	40%	13.30	2.1
			Class G + 20% Extender + 11% Silica + 0.75% Fluid Loss + 0.75% Retarder + 0.5% Dispersant + 2 ppb CemNET LCM				

FLOAT EQUIPMENT & CENTRALIZERS

CONDUCTOR	PDC drillable float 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 float shoe, 1 joint casing & PDC drillable float 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 on first 3 joints, then every 3rd joint.
LINER	Float shoe, 3 joints, float collar. Bow spring centralizers on bottom 3 joints, and every third joint to liner top. Thread lock all FE

PROJECT ENGINEER(S): Neil McRobbie

MANAGER: Eric Giles

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML 39760
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SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
--	--

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: KILLIAN 3-12A1
------------------------------------	---

2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP	9. API NUMBER: 43047402260000
--	---

3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202	PHONE NUMBER: 303 291-6417 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
--	--	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 01.0S Range: 01.0W Meridian: U	COUNTY: UINTAH 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 Approximate date work will start: 8/13/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<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 checked="" 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.

EL PASO E & P REQUESTS APPROVAL FOR PERMIT EXTENSION. WE ANTICIPATE DRILLING THIS WELL IN THE NEAR FUTURE.

Approved by the Utah Division of Oil, Gas and Mining

Date: August 11, 2010

By:

NAME (PLEASE PRINT) Marie Okeefe	PHONE NUMBER 303 291-6417	TITLE Sr Regulatory Analyst
SIGNATURE N/A	DATE 8/10/2010	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047402260000

API: 43047402260000

Well Name: KILLIAN 3-12A1

Location: 0660 FSL 0660 FEL QTR SESE SEC 12 TWNP 010S RNG 010W MER U

Company Permit Issued to: EL PASO E&P COMPANY, LP

Date Original Permit Issued: 8/13/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Approved by the Utah Division of Oil, Gas and Mining

Signature: Marie Okeefe

Date: 8/10/2010

Title: Sr Regulatory Analyst Representing: EL PASO E&P COMPANY, LP

Date: August 11, 2010

By: [Signature]

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

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

Well Name: KILLIAN 3-12A1

Api No: 43-047-40226 Lease Type STATE

Section 12 Township 01S Range 01W County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

SPUDDED:

Date 08/26/2010

Time 1:00 AM

How DRY

Drilling will Commence: _____

Reported by WAYNE GARNER

Telephone # (435) 823-1490

Date 08/26/2010 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
4304740226	Killian 3-12A1		SESE	12	1S	1W	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	17761	8/26/2010		8/31/10		
Comments: <u>GR-WS</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350270	Donihue 3-20C6		SWSW	20	3S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	17762	8/4/2010		8/31/10		
Comments: <u>GR-WS</u>							

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: <u> </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)

Marie OKeefe

Name (Please Print)

Marie OKeefe

Signature

Sr. Regulatory Analyst

8/27/2010

Title

Date

RECEIVED

AUG 30 2010

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML 39760
SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: KILLIAN 3-12A1
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP	9. API NUMBER: 43047402260000
3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202	PHONE NUMBER: 303 291-6417 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 01.0S Range: 01.0W Meridian: U	9. FIELD and POOL or WILDCAT: BLUEBELL COUNTY: UINTAH 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 Approximate date work will start: 2/15/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT 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: <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 the intermediate casing depth from 10497 to 11000'. We will increase volume of cement to maintain 35% excess or greater over caliper. The intent for this change is to get the casing seat closer to the pressure transition which comes well below top of wasatch in this area.-----Design Factors adequate - DKD-----

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

Date: 02/15/2011
By: *Dark K. Quist*

NAME (PLEASE PRINT) Marie Okeefe	PHONE NUMBER 303 291-6417	TITLE Sr Regulatory Analyst
SIGNATURE N/A		DATE 2/11/2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML 39760
SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: KILLIAN 3-12A1
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP	9. API NUMBER: 43047402260000
3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202	9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 01.0S Range: 01.0W Meridian: U	COUNTY: UINTAH 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 Approximate date work will start: 3/1/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> WATER DISPOSAL <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 is requesting permission to go to 11,800'. In this part of the field it doesn't look like we hit the Wasatch pressure ramp until ~12,700', so our casing design is adequate for this area. The reason we want to go deeper is we are having steering challenges and this well is on 2 hardlines. We can control deviation better in 8-3/4" hole than we can in 6-1/8". If we get this approval it should allow us to maintain a bottom hole location on our side of the hardlines.-----Change for 7" intermediate casing per Marie O'Keefe - Design Factors (Collapse 1.364, Burst 1.740, Tension 2.423)adequate - DKD-----

Approved by the Utah Division of Oil, Gas and Mining

Date: 03/01/2011

By: *Dark K O'Keefe*

NAME (PLEASE PRINT) Marie Okeefe	PHONE NUMBER 303 291-6417	TITLE Sr Regulatory Analyst
SIGNATURE N/A		DATE 3/1/2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 39760
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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: KILLIAN 3-12A1	
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP	9. API NUMBER: 43047402260000	
3. ADDRESS OF OPERATOR: 1001 Louisiana St. , Houston, TX, 77002	PHONE NUMBER: 713 420-5038 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 01.0S Range: 01.0W Meridian: U	COUNTY: UINTAH	
		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 Approximate date work will start:	<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 style="width: 50px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<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	
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/21/2011		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
As per Notice of Reporting Problems.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 420-5038	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 6/21/2011	

1 General**1.1 Customer Information**

Company	WESTERN
Representative	
Address	

1.2 Well Information

Well	KILLIAN 3-12A1		
Project	ALTAMONT FIELD	Site	KILLIAN 3-12A1
Rig Name/No.	PROPETRO/5, PETE MARTIN/1, PRECISION DRILLING/406	Event	DRILLING LAND
Start Date	8/26/2010	End Date	4/2/2010
Spud Date	8/26/2010	UWI	KILLIAN 3-12A1
Active Datum	KB @5,631.0ft (above Mean Sea Level)		
Afe No./Description	146730/37931 / KILLIAN 3-12A1		

2 Summary**2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
8/27/2010	6:00 6:00	24.00	MIRU	1		P	79.0	PETE MARTIN DRILLED TO 95'. SET & CEMENTED 20' CONDUCTOR @ 80'.
12/18/2010	6:00 18:00	12.00	MIRU	1		P	79.0	SPOT IN OFFICE, TRASH BASKET, FRAC TANKS, LIGHT TOWERS
	18:00 6:00	12.00	MIRU	67		P	79.0	WAITING ON DAYLIGHT, RECEIVED 1 LOAD @ 02:30 hrs
12/19/2010	6:00 8:00	2.00	MIRU	67		P	64.0	WAITING ON DAYLIGHT
	8:00 10:00	2.00	MIRU	1		P	64.0	MI PRO PETRO, START RU
	10:00 16:00	6.00	MIRU	65		P	64.0	WAITING ON DRILLSTRING
	16:00 18:30	2.50	MIRU	1		P	64.0	SPOT RIG IN, UNLOAD TOOLS
	18:30 0:00	5.50	MIRU	1		P	64.0	FINISH RU, HELD SAFETY MEETING
	0:00 2:45	2.75	DPDCOND	7		P	164.0	DRILL CONDUCTOR HOLE FROM 81' TO 180'
	2:45 3:00	0.25	DPDCOND	7		P	164.0	SURVEY @ 180' = 1-1/4
	3:00 4:45	1.75	DPDCOND	7		P	224.0	DRILL CONDUCTOR HOLE FROM 180' to 240'
	4:45 5:15	0.50	DPDCOND	7		P	224.0	SURVEY @ 240' = 3/4
	5:15 6:00	0.75	DPDCOND	7		P	269.0	DRILL CONDUCTOR HOLE FROM 240' TO 285'
12/20/2010	6:00 13:15	7.25	DPDCOND	7		P	494.0	DRILL FROM 285' TO 510'
	13:15 14:00	0.75	DPDCOND	7		P	494.0	SURVEY @ 510' = 1. DEV
	14:00 18:00	4.00	DPDCOND	7		P	669.0	DRILL FROM 510'-685'
	18:00 18:30	0.50	DPDCOND	41		P	669.0	HELD SAFETY MEETING & PRE TOUR HANDOVER MEETING
	18:30 22:15	3.75	DPDCOND	7		P	814.0	DRILL FROM 685' TO 830'
	22:15 22:45	0.50	DPDCOND	7		P	814.0	CIRCULATE HOLE CLEAN
	22:45 23:00	0.25	DPDCOND	7		P	814.0	SURVEY @ 810' = 1. DEV
	23:00 0:30	1.50	DPDCOND	7		P	814.0	TRIP OUT & LAYDOWN DRILL STRING
	0:30 3:30	3.00	CASCOND	24		P	814.0	RU & RUN 19 JOINJTS OF 13 3/8" 5# 809.63' STC CASING. LAND CSG ON TOP OF 20". RIG DOWN & MOVE RIG OFF. RELEASE RIG @ 03:30 ON 12/20/2010'

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	3:30 6:00	2.50	CASCOND	41		P	814.0	HELD SAFETY MEETING RIG UP CEMENTERS, START JOB, PRESSURE TEST LINES TO 2500 PSI, TEST GOOD, PUMP 115 BBLs WATER, PUMP 20 BBLs GELL, FLUID RETURNS = 55 BBLs, START CEMENT PUMP 1000 SX (205 BBLs) AT 15.8 PPG, YELD 1.15 FT 3/SX, WATER 5 GAL/SX, DROP BLUG ON THE FLY, START DISPLACEMENT PUMP 118 BBLs FRESH WATER, BUMP PLUG FROM 300 PSI TO 800 PSI HELD PRESSURE FOR 10 MIN, BLEED OFF PRESSURE, FLOATS HELD, 1 BBL BACK, NO DROP,78 BBLs CEMENT BACK TO SURFACE, RIG DOWN AND RELEASED PRO PETRO CEMENTERS,
1/17/2011	6:00 2:00	20.00	MIRU	1		P	814.0	RIG DOWN F/HORROCK WELL PREP FOR RIG MOVE TO KILLIAN WELL
	2:00 6:00	4.00	MIRU	1		P	814.0	WAITING ON DAY LIGHT
1/18/2011	6:00 7:00	1.00	MIRU	1		P	814.0	WAITING ON DAYLIGHT
	7:00 7:15	0.25	MIRU	41		P	814.0	SAFETY MEETING [RIG MOVE W/TRUCKS]
	7:15 18:00	10.75	MIRU	1		P	814.0	MOVE RIG W/TRUCKS
	18:00 6:00	12.00	MIRU	1		P	814.0	WAITING ON DAYLIGHT
1/19/2011	6:00 6:15	0.25	MIRU	41		P	814.0	SAFETY MEETING - RIG UP W/TRUCKS
	6:15 18:00	11.75	MIRU	1		P	814.0	RIG UP W/ TRUCKS
	18:00 0:00	6.00	MIRU	42		P	814.0	WAIT ON DAYLIGHT
	0:00 6:00	6.00	MIRU	42		P	814.0	WAIT ON DAYLIGHT
1/20/2011	6:00 7:00	1.00	MIRU	1		P	814.0	RIG UP WATER LINES & STEAM LINES
	7:00 9:00	2.00	MIRU	41		P	814.0	ELPASO SAFETY STAND DOWN & PRE SPUT MEETING
	9:00 15:00	6.00	MIRU	1		P	814.0	INSTALL PRE-FABS GROUND RODS-BLOWER HOSES-WATER&STEAM LINES AND PASON
	15:00 15:15	0.25	MIRU	41		P	814.0	SAFETY MEETING ON RAISING DRK
	15:15 15:45	0.50	MIRU	1		P	814.0	RAISE DERRICK
	15:45 17:30	1.75	MIRU	1		P	814.0	RIG UP SPOOLS & WINCHES
	17:30 17:45	0.25	MIRU	41		P	814.0	SAFETY MEETING [BRIDLE LINES]
	17:45 18:00	0.25	MIRU	1		P	814.0	BRIDLE DOWN
	18:00 0:00	6.00	MIRU	67		P	814.0	BOTH CREWS ON DAYS.
	0:00 0:15	0.25	MIRU	41		P	814.0	SAFETY MEETING R/U TOP DRIVE
	0:15 4:45	4.50	MIRU	1		P	814.0	RIG UP CAT WALK . MOVE TUBLERS TO GET TO SWIVEL SMALL LOCATION
	4:45 6:00	1.25	MIRU	1		P	814.0	P/U R/U SWIVEL
1/21/2011	6:00 6:15	0.25	MIRU	41		P	814.0	SAFETY MEETING R/U TOP DRIVE
	6:15 8:00	1.75	MIRU	1		P	814.0	BRING UP & R/U TOP DRIVE
	8:00 9:30	1.50	MIRU	1		P	814.0	R/U TOP DRIVE POWER UNIT
	9:30 9:45	0.25	MIRU	41		P	814.0	SAFETY MEETING HANG SERVICE LOOP
	9:45 11:30	1.75	MIRU	1		P	814.0	HANG SERVICE LOOP
	11:30 14:00	2.50	MIRU	1		P	814.0	HOOK UP HYD LINES & INSTALL GOOSE NECK & KELLY HOSE
	14:00 18:00	4.00	MIRU	1		P	814.0	WELD ON WELL HEAD CONT R/U EQUIPMENT
	18:00 18:15	0.25	MIRU	41		P	814.0	SAFETY MEETING [NIPPLE UP BOPE]
	18:15 21:30	3.25	MIRU	1		P	814.0	FINISH R/U TOP DRIVE
	21:30 0:00	2.50	MIRU	1		P	814.0	NIPPLE UP SPOOLS & DIVERTER
	0:00 6:00	6.00	MIRU	1		P	814.0	CONT N/U SPOOLS ROTATING HEAD MANAFOLDLINES
1/22/2011	6:00 6:15	0.25	MIRU	41		P	814.0	PRE TOUR SAFETY MEETING
	6:15 17:30	11.25	MIRU	1		P	814.0	CONT NIPPLE UP STACK & CHOKE LINES- KILL LINES DIVERTER
	17:30 18:00	0.50	MIRU	1		P	814.0	RIG UP TESTERS
	18:00 18:15	0.25	MIRU	41		P	814.0	PRE TOUR MEETING
	18:15 19:00	0.75	MIRU	1		P	814.0	PICK UP 13 5/8 TEST PLUG RIH UNABLE TO PASS THROUGH ADAPTER SPOOL POOH L/D PLUG
	19:00 20:30	1.50	MIRU	1		P	814.0	NIPPLE DOWN ROTATING HEAD & ADAPTER SPOOL

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	20:30 21:00	0.50	MIRU	1		P	814.0	PICK UP MOUSE HOLE & UNABLE TO INSERT INTO HOLE IN CELLER HOLE LAYED DOWN MOUSE HOLE ON CAT WALK
	21:00 1:00	4.00	MIRU	1		P	814.0	NIPPLED DOWN HCR VALVE AND TURNED .25 DEGREES ON FLANGE & NIPPLED UP & C/O SPOOLS ON ROTATING HEAD
	1:00 1:30	0.50	MIRU	1		P	814.0	PICK UP MOUSE HOLE & INSTALLED
	1:30 6:00	4.50	MIRU	1		P	814.0	PICK UP TEST PLUG & INSTALLED INTO WELL HEAD CONT R/U TEST EQUIPMENT FILL BOPE STACK CHOKE LINES TEST CONT TESTING BOPE STACK & VALVES
1/23/2011	6:00 6:15	0.25	MIRU	41		P	814.0	PRE TOUR MEETING
	6:15 9:30	3.25	MIRU	1		P	814.0	TEST KILL, CHOKE LINE & STAND PIPE 250/500 10 MIN EACH
	9:30 10:30	1.00	MIRU	1		P	814.0	R/D TESTERS & EQUIPMENT & L/D TEST JT & TEST PLUG
	10:30 10:45	0.25	MIRU	41		P	814.0	PJSM ON P/U ROTATING HEAD & SPOOL & NIPPLE UP
	10:45 14:00	3.25	MIRU	1		P	814.0	NIPPLE UP ROTATING HEAD & SPOOL
	14:00 18:00	4.00	MIRU	1		P	814.0	CONT R/U FLOW LINE & REROUGHT HEAD FOR PROPER MEASUREMENT TO REFAB FLOW LINE
	18:00 18:15	0.25	MIRU	41		P	814.0	PRE TOUR MEETING
	18:15 19:00	0.75	MIRU	1		P	814.0	P/U & ALIGN ROTATING HEAD & N/D GOT MEASUREMENTS FOR NEW FLOW LINE
	19:00 22:00	3.00	MIRU	1		P	814.0	CONT WORKING ON GAS BUSTER & FLAIR LINES WHILE WAITING ON WELDER TO RETURN ON LOCATION AND XO FLANGE FROM SMITH INTERNATIONAL
	22:00 22:15	0.25	MIRU	41		P	814.0	PJSM ON P/U M/U BHA
	22:15 0:00	1.75	MIRU	1		P	814.0	LOAD BHA UP ON CAT WALK STRAP AND TALLY & HOIST TO RIG FLOOR WHILE WELDER FABBS AND WELD IN FLOW LINE
	0:00 6:00	6.00	MIRU	1		P	814.0	CONT P/U M/U RIH/WBHA WHILE CONT ON GAS BUSTER & FLAIR LINE INSTALLATION
1/24/2011	6:00 6:15	0.25	MIRU	41		P	814.0	PRE TOUR SAFETY MEETING - PICK UP BHA.
	6:15 9:00	2.75	MIRU	1		P	814.0	R/U PASON WT. INDICATOR, PASON LINES, HOLE FILL ON ROTATING HEAD, R/U HOSE ON TANKS TO CIRCULATE RESERVE PIT & TANKS, COUNT DRILL PIPE.
	9:00 11:00	2.00	DRLSURF	14		P	814.0	PICK UP/ MAKE UP BHA.
	11:00 12:30	1.50	DRLSURF	14		P	814.0	DRIFT DP & STRAP DP
	12:30 13:30	1.00	DRLSURF	14		P	831.0	PICK UP 4 1/2" HWDP. TAGGED FLOAT COLLAR @ 759'
	13:30 14:00	0.50	MIRU	1		P	831.0	MEASURE OUT FLARE TANK TO R/U FLARE LINES
	14:00 14:30	0.50	DRLSURF	15		P	831.0	ATTEMPTED TO CIRCULATE. NOTICED WELDS ON FLOW LINE LEAKING.
	14:30 15:00	0.50	DRLSURF	15		P	831.0	CIRCULATE BOTTOMS UP.
	15:00 15:15	0.25	DRLSURF	19		P	831.0	BOP DRILL 1.5 MIN WELL SECURE. ANNULAR - 18 SECONDS, HCR 3 SECONDS
	15:15 16:30	1.25	MIRU	45		P	831.0	SPOT AND CONNECT FLARE LINE & FLARE TANK. WELD BEAD ON FLOW LINE.
	16:30 16:45	0.25	DRLSURF	41		P	831.0	SAFETY MEETING FOR CASING PRESSURE TEST
	16:45 18:00	1.25	DRLSURF	31		P	831.0	PRESSURE TEST 13 3/8" CASING TO 250 PSI FOR 30 MINUTES. NO LOSS OF PRESSURE NOTED.
	18:00 18:15	0.25	DRLSURF	41		P	831.0	PRE TOUR MEETING TESTING CSG
	18:15 18:30	0.25	DRLSURF	31		P	831.0	CONT PRESSURE TESTING CSG 250 PSI FOR 30 MIN BLEED OFF CSG R/D TEST EQUIPMENT
	18:30 19:30	1.00	DRLSURF	7		P	831.0	CIRC WELL BORE WHILE NIPPLING UP ROTATING HEAD AND FLOW LINE FLANGES PERFORMED CASING HOLE PUMP RATES BOTH PUMPS 70/795 120 / 2000 - CONDUCTED BOPE DRILL PRIOR TO DRILLING CEMENT PLUG.
	19:30 22:00	2.50	DRLSURF	7		P	780.0	RIH TAG TOP OF CEMENT @ 763 CONT DRILL THROUGH CEMENT TAG TOP OF FLOAT COLLAR @ 780 CSG SHOE @ 810 CONT DRILL OUT TO 820.
	22:00 22:30	0.50	DRLSURF	15		P	837.0	PICK UP AND WORK D/P CIRC BU X 2

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	22:30 23:00	0.50	DRLSURF	33		P	837.0	R/U TEST EQUIPMENT CONDUCT F I TEST .8 PSI/FT GRADIENT 300 PSI 10 MIN TEST BLEED DOWN TO 265 PSI AFTER 10 MIN CHARTED
	23:00 23:30	0.50	DRLSURF	19		P	837.0	CONDUCT KOOMEY TEST WHILE R/D TEST EQUIPMENT
	23:30 6:00	6.50	DRLSURF	7		P	837.0	CONT DRILLING SURFACE HOLE SECTION F/820 TO 1130 WHILE TAKING SURVEYS EVERY OTHER STAND
1/25/2011	6:00 6:15	0.25	DRLSURF	41		P	1,137.0	PRE TOUR MEETING 90 FT CONNECTIONS
	6:15 15:15	9.00	DRLSURF	7		P	1,260.0	DRILL SURFACE HOLE F/ 1243 TO 1896
	15:15 15:30	0.25	DRLSURF	48		P	1,913.0	RIG SERVICE FCT ANNULAR 18 SEC
	15:30 17:00	1.50	DRLSURF	7		P	1,913.0	CONT DRILLING F/ 1896 TO 2213
	17:00 18:00	1.00	DRLSURF	7		P	2,230.0	SURVEYS & CONNECTIONS
	18:00 18:15	0.25	DRLSURF	41		P	2,230.0	PRE TOUR MEETING 90 FT CONNECTIONS
	18:15 22:30	4.25	DRLSURF	7		P	2,213.0	CONT DRILLING 12.25 SURFACE HOLE F/ 2213 TO 2548
	22:30 22:45	0.25	DRLSURF	42		P	2,565.0	SHUT IN MUD TANKS F/15 MIN
	22:45 0:20	1.58	DRLSURF	7		P	2,565.0	CONT DRILLING SURFACE HOLE F/ 2548 TO 2731
	0:20 1:00	0.67	DRLSURF	12		P	2,748.0	SERVICE RIG HOOK LOAD WAS RECALIBRATED ZWOB FROM DHC
	1:00 6:00	5.00	DRLSURF	7		P	2,748.0	CONT DRILLING SURFACE HOLE F/ 2731 TO
1/26/2011	6:00 6:15	0.25	DRLSURF	41		P	3,117.0	PRE TOUR SAFETY MEETING. (SETTING CROWN SAVER)
	6:15 8:15	2.00	DRLSURF	7		P	3,117.0	DRILL 12 1/4" HOLE FROM 3117' - 3294'.
	8:15 8:30	0.25	DRLSURF	12		P	3,294.0	RIG SERVICE.
	8:30 12:15	3.75	DRLSURF	7		P	3,294.0	DRILL 12 1/4" HOLE FROM 3294' - 3488'. COMMENCE MUD UP OPERATIONS AT 3400'. SOME MINOR SEEPAGE LOSSES
	12:15 13:00	0.75	DRLSURF	45		N	3,488.0	WORK ON PUMP #1 - CHANGE OUT 6 VALVE INSERTS & 1 VALVE BODY
	13:00 15:00	2.00	DRLSURF	7		P	3,488.0	DRILL 12 1/4" HOLE FROM 3488' - 3634'
	15:00 16:00	1.00	DRLSURF	45		N	3,634.0	WORK ON PUMP #2 - CHANGE OUT 3 VALVE INSERTS & 1 SEAT.
	16:00 18:00	2.00	DRLSURF	7		P	3,634.0	DRILL 12 1/4" HOLE FROM 3634' - 3720
	18:00 18:15	0.25	DRLSURF	41		P	3,720.0	PRE TOUR MEETING 90 FT CONNECTIONS
	18:15 18:30	0.25	DRLSURF	7		P	3,720.0	RSPP PUMP 1- 60/277- PUMP 2- 60/233
	18:30 19:30	1.00	DRLSURF	7		P	3,720.0	CONT DRILL 12.25 SURFACE HOLE F/ 3720 TO 3835. FT
	19:30 20:30	1.00	CASSURF	15		P	3,835.0	CIRC BTMS WHILE WORKING DRILL PIPE
	20:30 23:45	3.25	CASSURF	13		P	3,835.0	PULL 5 STDS PUMP 30 BBL SLUGE & CONT POOH TO 810FT 13 3/8 SHOE TRIP MUD= CAL=21.05 ACT=35.9 DIFF 14.85 BBLS F/C @ 3388,1917,813 FT
	23:45 0:00	0.25	CASSURF	42		P	3,835.0	FLOW CHECK WELL
	0:00 1:45	1.75	CASSURF	13		P	3,835.0	RIH F/810 TO 3,666 FT - WELL BORE TOKE 30 BBLS TO FILL HOLE BEFORE RETURN TO SURFACE
	1:45 2:45	1.00	CASSURF	15		P	3,835.0	CIRC & WASH DOWN FROM 3,666 TO 3,835 FT
	2:45 3:45	1.00	CASSURF	15		P	3,835.0	CIRCULATE BTU WHILE WORKING DRILL PIPE
	3:45 6:00	2.25	CASSURF	13		P	3,835.0	POOH F/3835 TO 3389 FT PUMP PILL CONT POOH
1/27/2011	6:00 6:15	0.25	DRLSURF	41		P	3,835.0	PRE TOUR SAFETY MEETING - TRIP OUT OF HOLE
	6:15 10:00	3.75	DRLSURF	13		P	3,835.0	TRIP OUT OF HOLE F/ 1914' - 869'.
	10:00 10:15	0.25	DRLSURF	41		P	3,835.0	SAFETY MEETING ON HANDLING BHA
	10:15 13:00	2.75	DRLSURF	14		P	3,835.0	LAY DOWN 8" EQUIPMENT/ DIRECTIONAL TOOLS.
	13:00 14:00	1.00	CASSURF	24		P	3,835.0	CLEAN RIG FLOOR OF 8" HANDLING TOOLS, SUBS AND EQUIPMENT. PREPARE TO RIG UP CASING TOOL - TESCO CTS.
	14:00 14:15	0.25	CASSURF	41		P	3,835.0	SAFETY MEETING - RIG UP CTS TOOL
	14:15 15:00	0.75	CASSURF	24		P	3,835.0	RIG UP CTS TOOL
	15:00 15:30	0.50	CASSURF	41		P	3,835.0	SAFETY MEETING - RUNNING 9 5/8" CASING

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	15:30 18:00	2.50	CASSURF	24		P	3,835.0	RUN 90 JOINTS OF 9 5/8" 36 LB/FT J-55 ST&C CASING, TALLY 3821.82 FT. 3 BOW SPRING CENTRALIZERS ON FIRST 3 JOINTS, THEN 22 BOW SPRING CENTRALIZERS SPACED 3 JOINTS APART FROM 3700 FT TO 810FT.
	18:00 18:15	0.25	DRLINT1	41		P	3,835.0	SAFETY MEETING RIH W/9 5/8 CSG
	18:15 2:00	7.75	DRLINT1	13		P	3,835.0	CONT RIH W/ 9 5/8 CSG F/ 445 FT TO 3.500 FT FILL CSG EVERY 10 JTS
	2:00 2:15	0.25	DRLINT1	13		P	3,835.0	CIRC & WASH THROUGH TIGH SPOT FROM 3.500 FT TO 3.510 WASH & WORK CSG CLEAN UP P/R 110/ 131 PSI CONT RIH W/9 5/8
	2:15 2:30	0.25	DRLINT1	13		P	3,835.0	CONT RIH W/9 5/8 CSG F/3.510 FT TO 3.649 FT
	2:30 6:00	3.50	DRLINT1	15		P	3,835.0	CIRC & WASH DOWN 9 5/8 CSG F/ 3,649 TO 3,835 P/R STKS=110 PSI=131
1/28/2011	6:00 6:15	0.25	CASINT1	41		P	3,817.0	PRE TOUR MEETING [CEMENTING]
	6:15 8:00	1.75	CASINT1	15		P	3,817.0	WORK CSG UP DOWN WHILE CIRC TAG UP @ 3835' RUN 90 JOINTS OF 9 5/8" 36 LB/FT J-55 ST&C CASING, TALLY 3821.82 FT. 3 BOW SPRING CENTRALIZERS ON FIRST 3 JOINTS, THEN 22 BOW SPRING CENTRALIZERS SPACED 3 JOINTS APART FROM 3700 FT TO 810FT.
	8:00 9:00	1.00	CASINT1	15		P	3,817.0	L/D LANDING JT. CON CIRC WORKING 9 5/8 CSG
	9:00 9:15	0.25	CASINT1	41		P	3,817.0	PJSM ON R/D TESCO EQUIPMENT
	9:15 10:30	1.25	CASINT1	24		P	3,817.0	R/U CIRCULATING LINES & SWEDGE . SWEDGE IS LEAKING DUE TO DAMAGED THREADS NO PROTECTOR FOR SWEDGE .FILE THREADS INSPECT & RESTALL
	10:30 12:15	1.75	CASINT1	15		P	3,817.0	R/D CTS TOOLS, WHILE CIRC & WORKING CSG STRING
	12:15 12:30	0.25	CASINT1	41		P	3,817.0	PJSM ON [CEMENTING]
	12:30 15:30	3.00	CASINT1	24		P	3,817.0	R/U CEMENTING HEAD & PRESSURE TEST & CEMENT AS PER WELL PROGRAM BUMPED PLUG @ 15:28 HRS. CEMENTED BY SCHLUMBERGER: PREFLUSH - 20 BBL WATER FOLLOWED BY 20 BBL MUD PUSH - 10.0 LB/GAL. SLURRY - LEAD - 330 BBL/ 467 SXS (94 LB/SXS) OF 11.0 LB/GAL EXTENDED LEAD W/ 5% D044 - NACL + D020 EXTENDER 12% + D079 EXTENDER 1% + D112 FLUID LOSS 0.2% + D046 ANTIFOAM 0.2% + D029 LOSS CIRCULATION CONTROL AGENT (CELLULOSE) 0.25 LB/SXS + D095 CEMNET 2.0 ;B/BBL FOLLOWED BY TAIL 62 BBL/217 SXS 14.2 LB/GAL 10:0 RFC W/ D053 EXPANDING AGENT 10% + D013 RETARDER 0.1% + D046 ANTIFOAM 0.2% + D029 LOST CIRCULATION AGENT (CELLOPHANE) 0.25 LB/SXS + D095 CEMNET 2 LB/BBL. DISPLACED W/ 291.8 BBL H2O. 95 BBL RETURNS OF GOOD CEMENT. AFTER BUMP, FLUID LEVEL DROPPED TO 25 FT BELOW GROUND LEVEL.
	15:30 16:00	0.50	CASINT1	42		P	3,817.0	R/D CEMENTERS FLUSH LINES BOPE STACK WITH FRESH WATER
	16:00 16:15	0.25	CASINT1	41		P	3,817.0	PJSM ON NIPPLE DOWN BOPE STACK
	16:15 18:00	1.75	CASINT1	29		P	3,817.0	CONT NIPPLE DOWN BOPE EQUIPMENT
	18:00 18:15	0.25	CASINT1	41		P	3,817.0	PRE TOUR SAFETY MEETING
	18:15 20:00	1.75	CASINT1	26		P	3,817.0	WAITING ON CEMENT ,CONT FLUSH OUT ANNULAR BOPE EQUIPMENT CLEANING PITS -SHACKER SCREENS C/O PUMP LINERS F/ 5.5 TO 5'
	20:00 20:15	0.25	CASINT1	42		P	3,817.0	SLACK OFF 9 5/8 CSG F/100,000 TO 40,000 CONT R/D TESCO TOOLS & EQUIPMENT
	20:15 3:00	6.75	CASINT1	29		P	3,817.0	N/D BOPE EQUIPMENT & CUT 9 5/8 CSG L/D T/L/CUT = 20.00 FT OFF OF JT 90

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	3:00 6:00	3.00	CASINT1	27		P	3,817.0	CUT OFF OLD WELL HEAD & WELD NEW 11' CSG BOWL -MEASURED TOP OF CEMENT BETWEEN 13 3/8 & 9 5/8 CSG IS 25 FT DOWN
1/29/2011	6:00 6:15	0.25	CASSURF	41		P	3,817.0	PRE TOUR SAFETY MEETING
	6:15 7:15	1.00	CASSURF	27		P	3,817.0	WELD ON CASING BOWL PRESSURE TEST 1500 PSI FOR 15 MIN.
	7:15 11:00	3.75	CASSURF	28		P	3,817.0	NIPPLE UP B.O.P. STACK
	11:00 12:30	1.50	CASSURF	71		N	3,817.0	TOP CEMENT ANNULUS W/ 2.5 BBL CLASS "G" CEMENT
	12:30 15:15	2.75	CASSURF	65		N	3,817.0	WAIT ON CRANE FROM CHAPMAN CONSTRUCTION TO SPOT BOP STACK BELOW CATWALK.
	15:15 16:15	1.00	CASSURF	28		P	3,817.0	POSITION B.O.P. STACK W/ CRANE.
	16:15 18:00	1.75	CASSURF	28		P	3,817.0	NIPPLE UP BOP STACK.
	18:00 18:18	0.30	CASSURF	41		P	3,817.0	PRE TOUR SAFETY MEETING [N/U BOPE STACK]
	18:18 18:45	0.45	CASSURF	42		P	3,817.0	C/O BAILS ON TOP DRIVE
18:45 6:00	11.25	CASSURF	28		P	3,817.0	CONT N/U BOPS & C/O NO 1 VALVE ON CHOCK MANAFIOLD	
1/30/2011	6:00 6:15	0.25	CASSURF	41		P	3,817.0	PRE TOUR SAFETY MEETING (PRESSURE TEST BOP'S)
	6:15 7:30	1.25	CASSURF	28		P	3,817.0	NIPPLE UP ROTATING HEAD
	7:30 7:45	0.25	CASSURF	41		P	3,817.0	EL PASO SAFETY STANDOWN ON RIG UP FLOW LINE, TUGGER OPERATIONS - REVIEWED INCIDENT AT PD #404.
	7:45 12:00	4.25	CASPRD1	28		P	3,817.0	INSTALL ACCUMULATOR LINES AND FUNCTION BOPS. TAKE APART CHECK VALVE.
	12:00 12:45	0.75	CASSURF	28		P	3,817.0	PICK UP TEST PLUG. RIG UP WEATHERFORD BOP TESTER.
	12:45 13:45	1.00	CASSURF	48		N	3,817.0	TROUBLESHOOT ANNULAR PROBLEM. ELEMENT APPEARS TO BE DAMAGED, WITH FINGERS EXTRUDED INTO INTERIOR OF ANNULAR.
	13:45 14:00	0.25	CASSURF	48		N	3,817.0	SAFETY MEETING - NIPPLE DOWN ROTATING HEAD
	14:00 15:00	1.00	CASSURF	48		N	3,817.0	NIPPLE DOWN ROTATING HEAD
	15:00 15:15	0.25	CASSURF	48		N	3,817.0	SAFETY MEETING - CHANGE OUT ANNULAR ELEMENT
	15:15 18:00	2.75	CASSURF	48		N	3,817.0	CHANGE OUT ANNULAR ELEMENT - NO SUCCESS AT REMOVING CAP. ASSESS SITUATION.
	18:00 18:15	0.25	CASSURF	48		N	3,817.0	PRE TOUR SAFETY MEETING (CHANGE OUT ANNULAR ELEMENT)
	18:15 19:30	1.25	CASSURF	48		N	3,817.0	WORK TO REMOVE CAP ON ANNULAR.
	19:30 20:00	0.50	CASSURF	48		N	3,817.0	RE-ALIGN BOPE STACK [TURNED DUE TO TORQUE WHEN ATTEMPTING TO BREAK ANNULAR CAP]
	20:00 6:00	10.00	CASSURF	30		P	3,817.0	TEST ANNULAR 250 / 4.000 10 MIN EACH TEST LOWER RAMS UPPER RAMS INSIDE BOPE & FOSV & IBOP VALVES ALL BLIND PIPE & BOPE VALVES TEST ALL VALVE DOWN STREAM FROM MUD PUMP TO 4.000 PSI CONDUCT KOOMY FUNCTION TEST TEST PULL TEST PLUG TEST CSG 1.500 PSI 30 MIN CHARTED
1/31/2011	6:00 6:15	0.25	CASSURF	41		P	3,817.0	PRE TOUR SAFETY MEETING - PRESSURE TESTING
	6:15 7:00	0.75	CASSURF	31		P	3,817.0	PRESSURE TEST CASING TO 1500 PSI FOR 30 MINUTES - GOOD TEST.
	7:00 7:15	0.25	CASSURF	31		P	3,817.0	RIG OUT TESTER'S EQUIPMENT
	7:15 7:30	0.25	CASSURF	28		P	3,817.0	INSTALL AND SET WEAR BUSHING IN CASING BOWL
	7:30 9:30	2.00	CASSURF	28		P	3,817.0	NIPPLE UP ROTATING HEAD AND FLOW LINE
	9:30 12:00	2.50	CASSURF	14		P	3,817.0	BUT BHA ON RACKS AND DRIFT BHA & DRILL PIPE
	12:00 15:00	3.00	CASSURF	28		P	3,817.0	WELD ON FLOWLINE TO MODIFY TO FIT ROTATING HEAD
	15:00 15:15	0.25	CASSURF	41		P	3,817.0	BOP DRILL - ALL HANDS IN PLACE - 100 SECONDS
	15:15 16:00	0.75	CASSURF	28		P	3,817.0	FINISH FLOW LINE.
	16:00 16:15	0.25	DRLINT1	41		P	3,817.0	SAFETY MEETING ON PICKING UP BHA.
	16:15 18:00	1.75	DRLINT1	14		P	3,817.0	PICK UP GYRODATA TOOLS, MWD TOOLS
18:00 18:15	0.25	DRLINT1	41		P	3,817.0	PRETOUR SAFETY MEETING	

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	18:15 20:30	2.25	DRLINT1	14		P	3,817.0	CONT P/U GYRODATA TOOLS, DIRECTIONAL TOOLS & TEST TOOLS
	20:30 0:00	3.50	DRLINT1	14		P	3,817.0	P/U M/U BHA & RIH F / 131 TO 1778 FT
	0:00 0:45	0.75	DRLINT1	13		P	3,817.0	CONT RIH F / 1778 TO 3779 FT
	0:45 1:00	0.25	DRLINT1	41		P	3,817.0	HELD BOPE DRILL OPEN HCR 3 SEC CLOSED ANNULAR 18 SEC WELL SECURE MEN IN POSITION
	1:00 1:15	0.25	DRLINT1	41		P	3,817.0	HELD SAFETY MEETING [SLIP & CUT DRILLING LINE]
	1:15 2:15	1.00	DRLINT1	17		P	3,817.0	SLIP & CUT DRILLING LINE
	2:15 2:30	0.25	DRLINT1	12		P	3,817.0	SERVIC E RIG GREASE BLOCKS, SWIVEL, TD, DW FCN ANNULAR C/O 18 SEC
	2:30 3:00	0.50	DRLINT1	15		P	3,817.0	CIRC & CHARGE UP GERO TOOLS CONDUCT SLOW P/R GPM 376 / 750 PSI- HIGH GPM 530 / 1420 PSI DEPTH=3739 FT
	3:00 5:30	2.50	DRLINT1	7		P	3,817.0	CONT RIH F / 3739 TAG T/O/CEMENT @ 3746 CONT DRILL UP CEMENT & SHOE TRAC TO 3.817 CONT DRILL TO 3.827
	5:30 6:00	0.50	DRLINT1	15		P	3,827.0	CIRC BTU X 2 CLEAN UP HOLE F/ FITEST
2/1/2011	6:00 6:15	0.25	DRLINT1	41		P	3,827.0	PRE TOUR SAFETY MEETING - 90' CONNECTIONS
	6:15 6:30	0.25	DRLINT1	15		P	3,827.0	CIRCULATE BOTTOMS UP, HOLD SAFETY MEETING FOR F.I.T.
	6:30 7:00	0.50	DRLINT1	33		P	3,827.0	FORMATION INTEGRITY TEST: DEPTH - 3827 FT, MUD WEIGHT - 8.4 LB/GAL, APPLIED SURFACE PRESSURE - 1390 PSI. EQUIVALENT DENSITY - 15.4 LB/GAL, FORMATION GRADIENT - 0.8 PSI/FT.
	7:00 11:15	4.25	DRLINT1	7		P	3,827.0	DRILL 8 3/4" HOLE F/ 3827 FT - 3946 FT.
	11:15 11:30	0.25	DRLINT1	45		N	3,946.0	WORK ON #1 PUMP, PUMP WITH #2 PUMP, WORK DRILL STRING
	11:30 15:30	4.00	DRLINT1	7		P	3,946.0	DRILL 8 3/4" HOLE FROM 3946 FT TO 4211 FT.
	15:30 15:45	0.25	DRLINT1	12		P	4,211.0	SERVICE RIG FCT ANNULAR 18 SEC FCT HCR 18 SEC
	15:45 17:00	1.25	DRLINT1	7		P	4,211.0	CONT DRILL 8.75 HOLE F / 4211 TO 4397FT
	17:00 18:00	1.00	DRLINT1	7		P	4,397.0	CONNECTIONS & SURVEYS
	18:00 18:15	0.25	DRLINT1	41		P	4,397.0	PRETOUR MEETING 90 FT CONNECTIONS
	18:15 23:00	4.75	DRLINT1	7		P	4,397.0	CONT DRILL 8.75 HOLE F/ 4,397 TO 4677FT CONDUCT PUMP RATES STKS=60 PSI=150 STKS=120 PSI=580 DEPTH 4.333
	23:00 23:15	0.25	DRLINT1	12		P	4,677.0	LUBRICATE RIG GREASE BLOCKS.SWIVEL TD. DW. FCN.TPR/LPR C/O 6 SEC
	23:15 23:30	0.25	DRLINT1	7		P	4,677.0	CONT DRILLING F/ 4677 TO 4690 FT
	23:30 0:00	0.50	DRLINT1	42		P	4,690.0	SURVEY & CONNECTIONS
	0:00 3:45	3.75	DRLINT1	7		P	4,863.0	CONT DRILL 8.75 HOLR F/ 4690 TO 4863 FT
	3:45 4:00	0.25	DRLINT1	12		P	4,863.0	LUBRICATE RIG GREASE BLOCKE,SWIVEL
	4:00 5:00	1.00	DRLINT1	7		P	4,863.0	CONT DRILL 8.75 HOLE F/ 4,863 TO 4960 FT
	5:00 6:00	1.00	DRLINT1	42		P	4,960.0	SURVEYS & CONNECTIONS
2/2/2011	6:00 6:15	0.25	DRLINT1	41		P	4,960.0	PRE TOUR SAFETY MEETING (RIG SERVICE)
	6:15 15:45	9.50	DRLINT1	7		P	4,960.0	DRILL 8 3/4" HOLE FROM 4960' TO 5330'.
	15:45 16:00	0.25	DRLINT1	12		P	5,330.0	RIG SERVICE.. FUNCTION UPPER PIPE RAMS, LOWER PIPE RAMS. - 4 SECONDS OPEN/CLOSE SECONDS. GREASE BLOCKS, CROWN, DRAWWORKS, TOP DRIVE. RESET TOP DRIVE TORQUE TO 20,600 FT-LB.
	16:00 17:00	1.00	DRLINT1	7		P	5,330.0	DRILL 8 3/4 " HOLE FROM 5330' TO 5421'.
	17:00 18:00	1.00	DRLINT1	42		P	5,421.0	CONNECTION & SURVEY TIME.
	18:00 18:15	0.25	DRLINT1	41		P	5,330.0	PRE TOUR MEETINFG [OPERATING MAN RIDDER]
	18:15 21:00	2.75	DRLINT1	7		P	5,610.0	CONT DRILLING 8.75 HOLE F / 5,330 TO 5,610
	21:00 21:15	0.25	DRLINT1	12		P	5,610.0	SERVICE RIG GREASE BLOCCE SWIVEL. TD.DW. FCN.ANNULAR C/O 18 SEC
	21:15 23:30	2.25	DRLINT1	7		P	5,703.0	CONT DRILL 8.75 HOLE F / 5,610 TO 5,703
	23:30 0:00	0.50	DRLINT1	7		P	5,703.0	SURVEY & CONNECTIONS TIMES
	0:00 4:15	4.25	DRLINT1	7		P	5,977.0	CONT DRILL 8.75 HOLE F/ 5,702 TO 5,977 LOW P/R P=1' STKS=60 150 PSI HIGH STKS=120 PSI=690

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	4:15 4:30	0.25	DRLINT1	12		P	5,977.0	SERVICE RIG GREASE BLOCKS SWIVEL .TD.DW. FCN ANNULAR C/O 18 SEC
	4:30 5:30	1.00	DRLINT1	7		P	5,977.0	CONT DRILL 8.75 HOLE F/ 5,977 TO 6010'
	5:30 6:00	0.50	DRLINT1	42		P	6,010.0	SURVEY AND CONNECTION TIME
2/3/2011	6:00 6:15	0.25	DRLINT1	41		P	6,010.0	PRE TOUR SAFETY MEETING - CONNECTIONS & INCIDENT REVIEWS
	6:15 11:15	5.00	DRLINT1	7		P	6,010.0	DRILL 8 3/4" HOLE FROM 6010 FT TO 6264 FT.
	11:15 11:30	0.25	DRLINT1	41		P	6,264.0	B.O.P. DRILL W/ CREW/ WELL SECURE IN 100 SECONDS.
	11:30 16:45	5.25	DRLINT1	7		P	6,264.0	DRILL 8 3/4" HOLE FROM 6264 FT TO 6353 FT.
	16:45 17:00	0.25	DRLINT1	12		P	6,353.0	RIG SERVICE, FUNCTION ANNULAR - 16/16 SECONDS
	17:00 17:15	0.25	DRLINT1	7		P	6,353.0	DRILL 8 3/4" HOLE FROM 6353 FT TO 6367 FT.
	17:15 18:00	0.75	DRLINT1	42		P	6,367.0	SURVEY AND CONNECTION AND TIME
	18:00 18:15	0.25	DRLINT1	41		P	6,367.0	PRE TOUR MEETING [PULLING & SETTING HAND SLIPS]
	18:15 0:00	5.75	DRLINT1	7		P	6,452.0	CONT DRILL 8.75 HOLE F/ 6.367 TO 6,452 FT
	0:00 5:30	5.50	DRLINT1	7		P	6,535.0	CONT DRILL 8.75 HOLE F/ 6,452 TO 6.535 FT
	5:30 6:00	0.50	DRLINT1	42		P	6,535.0	SURVEY & CONNECTIONS
2/4/2011	6:00 6:15	0.25	DRLINT1	41		P	6,541.0	PRE TOUR SAFETY MEETING. USE OF TONGS
	6:15 7:00	0.75	DRLINT1	7		P	6,541.0	DRILL 8 3/4" HOLE FROM 6541 FT TO 6545 FT.
	7:00 8:00	1.00	DPDCOND	15		P	6,545.0	CIRCULATE AND PREPARE FOR TRIP
	8:00 10:15	2.25	DRLINT1	13		P	6,545.0	TRIP OUT OF HOLE FROM 6545 FT TO 4750 FT. HOLE TIGHT IN SPOTS.
	10:15 11:15	1.00	DRLINT1	51		N	6,545.0	WORK STUCK PIPE @ 4750 FT - BROKE FREE BY WORKING DOWN.
	11:15 14:45	3.50	DRLINT1	51		N	6,545.0	BACKREAM OUT OF HOLE FROM 4750' TO 3817 FT. WORKED STUCK PIPE AT 4264 FT. BROKE FREE BY JARRING DOWN AND WORKING DOWN. BACKREAMED UP TO 4264 FT AND GOT STUCK AGAIN. BROKE FREE BY JARRING DOWN AND WORKING DOWN. BACKREAMED TO 3817 FT. FLOW CHECK AT AT 3746 FT. PERSISTENT WATER FLOW OF 4 GAL/MIN +/- OBSERVED.
	14:45 15:15	0.50	DRLINT1	13		P	6,545.0	TRIP OUT OF HOLE FROM 3746 FT TO 3292 FT.
	15:15 16:30	1.25	DRLINT1	15		P	6,545.0	BUILD 50 BBL 13 LB/GAL PILL AND SPOT TO CONTROL WATER INFLUX.
	16:30 18:00	1.50	DRLINT1	13		P	6,545.0	BLOW STANDPIPE AND TRIP OUT FROM 3292 FT.
	18:00 18:15	0.25	DRLINT1	41		P	6,545.0	PRE TOUR SAFETY MEETING [B/D L/D BHA]
	18:15 20:30	2.25	DRLINT1	13		P	6,545.0	CONT POOH SET BK IN DRK
	20:30 21:00	0.50	DRLINT1	13		P	6,545.0	B/D L/D BHA NON MAG DC. DC, MWD TOOL BREAK BIT
	21:00 21:15	0.25	DRLINT1	41		P	6,545.0	SAFETY MEETING ON L/D TOOLS & EQUIPMENT
	21:15 21:30	0.25	DRLINT1	13		P	6,545.0	L/D GYRO TOOL P/U NEW GYRO
	21:30 0:00	2.50	DRLINT1	42		P	6,545.0	M/U DIR TOOL & BIT .MWD, TOOL ORIENT TOOLS,
	0:00 0:30	0.50	DRLINT1	13		P	6,545.0	RIH F/DIR TO TBR'S
	0:30 1:00	0.50	DRLINT1	13		P	6,545.0	P/U M/U TWO TBR'S
	1:00 1:00	0.00	DRLINT1	13		P	6,545.0	CONT RIH F/DIR TOOL W/ DP @ SHOE TEST MWD & GYRO TOOL BLOW DOWN TOP DRIVE CONT RIH F/DRK TO 4,000 FT
	1:00 1:30	0.50	DRLINT1	42		P	6,545.0	TEST MWD & GYRO TOOL. BLOW BACK TOP DRIVE.
	1:30 3:00	1.50	DRLINT1	13		P	6,545.0	TRIP IN HOLE F/ 846 FT TO 3832 FT. FILL PIPE.
	3:00 3:15	0.25	DRLINT1	42		P	6,545.0	DIRECTIONAL WORK - TEST MED TOOL & GYRO TOOL. BLOW TOP DRIVE.
	3:15 4:45	1.50	DRLINT1	13		P	6,545.0	TRIP IN HOLE FR/ 3835 FT TO 3926 FT.
	4:45 5:00	0.25	DRLINT1	12		P	6,545.0	RIG SERVICE.
	5:00 6:00	1.00	DRLINT1	13		P	6,545.0	TRIP IN HOLE FR/ 3926 FT TO 4300 FT.
2/5/2011	6:00 6:15	0.25	DRLINT1	41		P	6,545.0	PRE TOUR SAFETY MEETING - TRIP IN HOLE

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	6:15 8:45	2.50	DRLINT1	13		P	6,545.0	TRIP IN HOLE FROM 4300 FT. WASHED LAST 6 STANDS TO BOTTOM. THE LAST STAND ABOVE 6545 FT ENCOUNTERED NUMEROUS INCIDENTS OF VERY HIGH TORQUE, APPARENTLY FROM JUNK IN THE HOLE, WHICH IS SUSPECTED OF BEING THE REMNANTS OF THE HARDBANDING WHICH WAS PEELED OFF THE TBR'S PRIOR TO THE TRIP.
	8:45 12:00	3.25	DRLINT1	7		P	6,545.0	PATTERN BIT AND DRILL 8 3/4" HOLE FROM 6545 FT TO 6632 FT.
	12:00 12:15	0.25	DRLINT1	12		P	6,632.0	RIG SERVICE. GREASE CROWN, BLOCKS, BAYLOR BRAKE, TOP DRIVE, SWIVEL, PERFORM LEVEL 2 DERRICK INSPECTION, ADJUST BRAKES, FUNCTION ANNULAR - 16/16 SECONDS.
	12:15 17:45	5.50	DRLINT1	7		P	6,632.0	DRILL 8 3/4" HOLE FROM 6632 FT - 6786
	17:45 18:00	0.25	DRLINT1	7		P	6,786.0	SURVEY & CONNECTION TIME
	18:00 18:15	0.25	CASINT1	41		P	6,786.0	PRE TOUR MEETING [90 FT CONNECTIONS]
	18:15 22:00	3.75	DRLINT1	7		P	6,915.0	CONT DRILL 8.75 HOLE F/ 6,786 TO 6,915
	22:00 23:30	1.50	DRLINT1	13		P	6,915.0	CIRC MIX & PUMP PILL PREP RIG FLOOR TO POOH
	23:30 0:00	0.50	DRLINT1	13		P	6,915.0	POOH W/ 5 STDS WET
	0:00 0:15	0.25	DRLINT1	13		P	6,915.0	SAFETY MEETING ON POOH
	0:15 2:45	2.50	DRLINT1	13		P	6,915.0	CONT POOH STD BK IN DRK F/ 6,590 TO3,063 CONDUCT FLOW CHECK- NO FLOW
	2:45 3:15	0.50	DRLINT1	12		P	6,915.0	SERVICE RIG
	3:15 4:30	1.25	DRLINT1	13		P	6,915.0	CONT POOH STD BK D/P IN DRK F/ 3,060 TO 856.67 FT
	4:30 6:00	1.50	DRLINT1	13		P	6,915.0	TRIP OUT BHA AND DIRECTIONAL TOOLS.
2/6/2011	6:00 6:15	0.25	DRLINT1	41		P	6,915.0	PRE TOUR SAFETY MEETING (HANDLING BHA)
	6:15 7:15	1.00	DRLINT1	13		P	6,915.0	BREAK BIT, STABILIZERS. LAY DOWN GYRODATA TOOL FOR MAINTENANCE AND REPAIR.
	7:15 13:45	6.50	DRLINT1	13		P	6,915.0	CHANGE PADS ON GYRODATA TOOL. WELL NOTED TO BE FLOWING AT 1.1 BBL/HR WATER. NO CHANGE IN RATE FROM 08:30 HR TO 14:00 HR. TOTAL GAIN: 6.3 BBL.
	13:45 14:15	0.50	DRLINT1	13		P	6,915.0	MAKE UP BIT #4 - (RERUN #3 - MS1377 S/N 8990), GYRODATA TOOLS AND MAKE UP DIRECTIONAL TOOLS. GYRODATA TOOL ORIENTATION RESET FROM 2 DEG INCLINATION AND 315 DEG AZIMUTH TO 2 DEG INCLINATION AND 345 DEG AZIMUTH.
	14:15 16:00	1.75	DRLINT1	13		P	6,915.0	MAKE UP BHA. FILL PIPE AND PULSE TEST MWD TOOLS.
	16:00 17:00	1.00	DRLINT1	13		P	6,915.0	BLOW STANDPIPE AND TRIP IN HOLE TO 3792 FT.
	17:00 17:30	0.50	DRLINT1	13		P	6,915.0	FILL PIPE, PULSE TEST, BLOW TOP DRIVE
	17:30 18:00	0.50	DRLINT1	13		P	6,915.0	TRIP IN HOLE FROM 3792 FT.
	18:00 18:15	0.25	DRLINT1	41		P	6,915.0	PRETOUR SAFETY MEETING [TIH]
	18:15 19:00	0.75	DRLINT1	13		P	6,915.0	CONT RIH F/ 5678 TO 6914 WASH & REAM LAST 2 STANDS
	19:00 21:45	2.75	DRLINT1	7		P	6,932.0	CONT DRILL 8.75 HOLE F/ 6,915 TO 6932 FT
	21:45 22:15	0.50	DRLINT1	12		P	6,932.0	LUBRICATE RIG
	22:15 5:30	7.25	DRLINT1	7		P	7,100.0	CONT DRILL 8.75 HOLE F/ 6,932 TO 7100
	5:30 6:00	0.50	DRLINT1	7		P	7,100.0	SURVEYS & CONNECTIONS
2/7/2011	6:00 6:15	0.25	DRLINT1	41		P	7,100.0	PRE TOUR SAFETY MEETING - CONNECTIONS
	6:15 7:45	1.50	DRLINT1	7		P	7,100.0	DRILL 8 3/4" HOLE FROM 7100 FT TO 7188 FT.
	7:45 8:00	0.25	DRLINT1	51		N	7,188.0	BACK REAM TIGHT HOLE ON CONNECTION FROM 7170 FT TO 7185 FT.
	8:00 11:15	3.25	DRLINT1	7		P	7,188.0	DRILL 8 3/4" HOLE FROM 7188 FT TO 7280 FT.
	11:15 18:00	6.75	DRLINT1	51		N	7,280.0	BACK REAM TIGHT HOLE AT 7223 FT. CANNOT PULL UP PAST BRIDGE. JARS FIRE - THEIR PLACEMENT IS 298 FT ABOVE BIT. AT 7223 FT, JARS AT 6925 FT.
	18:00 18:15	0.25	DRLINT1	51		N	7,280.0	PRE TOUR SAFETY MEETING. - PRESSURE WASHING
	18:15 19:00	0.75	DRLINT1	51		N	7,280.0	BACK REAM TIGHT HOLE AT 7223 FT. CANNOT PULL UP PAST BRIDGE. JARS FIRE - THEIR PLACEMENT IS 298 FT ABOVE BIT. AT 7223 FT, JARS AT 6925 FT.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	19:00 19:15	0.25	DRLINT1	46		N	7,280.0	LEVEL 2 DERRICK INSPECTION CHECK BRAKES & LINKAGE DEAD MAN ANKER
	19:15 0:45	5.50	DRLINT1	51		N	7,280.0	CONT WORKING D/P BACK REAM TIGHT HOLE @7223 FT UNABLE TO PULL PAST BRIDGE 30K OVER PULL
	0:45 1:00	0.25	DPDCOND	46		N	7,280.0	CONDUCT LEVEL 2 DERRICK INSPECTION
	1:00 6:00	5.00	DRLINT1	51		N	7,280.0	CONT WORKING D/P TIGHT HOLE PWT=160 DWT=160 35 K OVER PULL SET JARS OFF SET 60K DWT TO WORK DRILL STRING BACK DOWN THROUGH TIGHT SPOT
2/8/2011	6:00 6:15	0.25	DRLINT1	51		N	7,280.0	PRE TOUR SAFETY MEETING - WORKING TIGHT HOLE
	6:15 9:45	3.50	DRLINT1	51		N	7,280.0	WORK STUCK PIPE DOWN - 60 K (WT OF BHA) AT 7220 FT
	9:45 12:30	2.75	DRLINT1	51		N	7,280.0	ATTEMPT TO BACKREAM THROUGH BRIDGE AT 7218 FT.
	12:30 12:45	0.25	DRLINT1	71		N	7,280.0	INSPECT DERRICK, TOP DRIVE AND DRILLING LINE.
	12:45 18:00	5.25	DRLINT1	51		N	7,280.0	ATTEMPT TO PULL THROUGH BRIDGE AT 7218' STRING WT = 160. PULLING TO 200K, THEN DROPPING DOWN. WHEN JARS SOMETIMES NEEDED TO FIRE DOWN TO DROP FREE. BY 16:20 HR, DEPTH OF UPPER LIMIT WAS 7203 FT.
	18:00 18:15	0.25	DRLINT1	71		N	7,280.0	PRE TOUR SAFETY MEETING. [JARRING]
	18:15 18:30	0.25	DRLINT1	70		N	7,280.0	DERRICK INSPECTION, INSPECT DEAD MAN ANCHOR. CHECK FOR CIRCULATION AND ROTATION.
	18:30 19:15	0.75	DRLINT1	51		N	7,280.0	WORK TIGHT HOLE FROM 7218 TO 7195 W/ 40K OVER PULL
	19:15 19:30	0.25	DRLINT1	71		N	7,280.0	SAFETY MEETING ON POOH
	19:30 20:00	0.50	DRLINT1	51		N	7,280.0	CONT POOH F / 7159 TO 6895
	20:00 20:30	0.50	DRLINT1	51		N	7,280.0	WORK TIGHT HOLE F/ 6883 TO 6859 W/ 40K OVER PULL 80K SO WT
	20:30 22:30	2.00	DRLINT1	51		N	7,280.0	CONT POOH STD BK IN DRK F/ 6883 TO 4627
	22:30 0:30	2.00	DRLINT1	51		N	7,280.0	WORKING TIGHT HOLE F/ 4627 TO 4612
	0:30 0:45	0.25	DRLINT1	70		N	7,280.0	DERRICK INSPECTION
	0:45 3:00	2.25	DRLINT1	51		N	7,280.0	WORK TIGHT HOLE F/ 4612 TO 4531 FT WORK FREE BLOW DOWN TOP DRIVE
	3:00 6:00	3.00	DRLINT1	51		N	7,280.0	CONT POOH STD BK IN DRK TO 3795 FT CONDUCT MIN FLOW CHECK NO FLOW CONT POOH STD BK IN DRK
2/9/2011	6:00 6:15	0.25	DRLINT1	71		P	7,280.0	PRE TOUR SAFETY MEETING - HANDLING BHA
	6:15 7:15	1.00	DRLINT1	7		P	7,280.0	TRIP OUT OF HOLE W/ BHA FR/ 787'
	7:15 8:45	1.50	DRLINT1	14		P	7,280.0	LAY DOWN DIRECTIONAL TOOLS
	8:45 10:15	1.50	DRLINT1	67		N	7,280.0	CLEAN RIG FLOOR, PREP BHA TO TRIP IN HOLE. WAIT ON ORDERS
	10:15 12:15	2.00	DRLINT1	14		P	7,280.0	MAKE UP BIT #5 - USED 117 TYPE SMITH: FDS+ S/N PS1259.
	12:15 14:45	2.50	DRLINT1	55		N	7,280.0	TRIP IN HOLE TO 3807 FT. LAY DOWN 8 JOINTS BENT DRILL PIPE. (PIPE BENT WHILE WORKING TIGHT HOLE AND JARRING ON TRIP OUT.)
	14:45 15:15	0.50	DRLINT1	12		P	7,280.0	CHANGE SAVER SUB ON TOP DRIVE.
	15:15 15:30	0.25	DRLINT1	41		P	7,280.0	SAFETY MEETING [SLIP & CUT]
	15:30 16:15	0.75	DRLINT1	17		P	7,280.0	SLIP & CUT 115 FT OF DRILLING LINE
	16:15 16:45	0.50	DRLINT1	15		P	7,280.0	FILL D/P AND CIRCULATE
	16:45 18:00	1.25	DRLINT1	13		P	7,280.0	CONT RIH F/ 3807 TO 4300 WASH & ROTATE DOWN TO 4,900
	18:00 18:15	0.25	DRLINT1	41		P	7,280.0	PRE TOUR MEETING [TIH]
	18:15 21:00	2.75	DRLINT1	16		P	7,284.0	CONT RIH F/ 4,900 TO 6,659 WASH & ROTATE DOWN TO 7,198 TAKING WT WOB 3-8 K CONT WASH & ROTATE DOWN TO 7,284 UWT=163K DWT=157K RPM=55 P/R= 120 / 1429
	21:00 21:30	0.50	DRLINT1	7		P	7,286.0	DRILL F/ 7,284 TO 7,286 WOB=15K P/R=120 / 1429
	21:30 22:15	0.75	DRLINT1	15		P	7,286.0	MX & PUMP 10 BBLS SWEEP P/R= 2 X120 / 1429 GPM=563 T/S/P=10.000
	22:15 22:30	0.25	DRLINT1	41		P	7,286.0	SAFETY MEETING [POOH]

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	22:30 23:30	1.00	DRLINT1	51		N	7,286.0	POOH F/ 7286 TO 7,100 TIGHT HOLE PULLED 20K OVER WORKED PIPE DOWN FREE CONT WASH & ROTATE BK TO BOTTON TO 7,286 FT
	23:30 2:00	2.50	DRLINT1	51		N	7,286.0	CIRC WELL WHILE MIXING & BRING UP FLUID SYSTEM TO A 40 VIS ROTATING & WORKING PIPE UP & DOWN
	2:00 6:00	4.00	DRLINT1	51		N	7,286.0	POOH SET BK D/P IN DRK F/ 7,286 TO 6824 FT FLOW CHECK WELL 10 MIN NO FLOW CONT POOH TO 3,684 10 MIN FLOW CHECK NO FLOW CONT POOH
2/10/2011	6:00 6:15	0.25	DRLINT1	41		P	7,286.0	PRE TOUR SAFETY MEETING - TRIP OUT OF HOLE
	6:15 8:00	1.75	DRLINT1	7		P	7,286.0	TRIP OUT OF HOLE FROM 1300 FT. FLOW CHECK AT 1003 FT, 0 FT.
	8:00 9:00	1.00	DRLINT1	13		P	7,286.0	CLEAN RIG FLOOR, PREPARE BHA, WAIT ON ORDERS
	9:00 10:45	1.75	DRLINT1	14		P	7,286.0	MAKE UP DIRECTIONAL TOOLS
	10:45 12:00	1.25	DRLINT1	14		P	7,286.0	MAKE UP BHA
	12:00 12:30	0.50	DRLINT1	13		P	7,286.0	INSTALL ROTATING RUBBER, FILL PIPE, PULSE TEST, BLOW TOP DRIVE
	12:30 13:30	1.00	DRLINT1	13		P	7,286.0	TRIP IN HOLE TO 3800 FT.
	13:30 14:15	0.75	DRLINT1	15		P	7,286.0	FILL PIPE AND CIRCULATE BOTTOMS UP AT CASING SHOE
	14:15 16:45	2.50	DRLINT1	13		P	7,286.0	RUN IN HOLE FROM 3800 TO 7285 FT. WASH 3 STANDS TO BOTTOM.
	16:45 18:00	1.25	DRLINT1	7		P	7,285.0	PATTERN BIT AND DRILL FROM 7285 FT TO 7300'
	18:00 18:15	0.25	DRLINT1	41		P	7,300.0	PRE TOUR SAFETY MEETING - 90 FT CONNECTIONS
	18:15 19:45	1.50	DRLINT1	7		P	7,300.0	DRILL 8 3/4" HOLE FROM 7300 FT TO 7,334
	19:45 20:30	0.75	DRLINT1	45		N	7,334.0	CHANGED OUT SEAT & VALVE IN PUMP 2 WHILE CIRC HOLE & WORKING PIPE W/PUMP 1 P/R= 120 / 1334
	20:30 20:45	0.25	DRLINT1	12		P	7,334.0	LUBRICATE RIG FCT ANNULAR 18 SEC HCR 18 SEC
	20:45 23:15	2.50	DRLINT1	7		P	7,399.0	CONT DRILLING F/ 7334 TO 7399FT
	23:15 23:30	0.25	DRLINT1	50		P	7,399.0	BOPE DRILL WELL SECURE 100 SEC ALL HANDS IN PLACE
	23:30 2:00	2.50	DRLINT1	7		P	7,478.0	CONT DRILL 8.75 HOLE F/ 7399 TO 7478 FT
	2:00 3:15	1.25	DRLINT1	15		P	7,478.0	CIRCULATE WORK PIPE PREP TO POOH
	3:15 3:30	0.25	DRLINT1	41		P	7,478.0	SAFETY MEETING [POOH W/ BHA NO 6]
	3:30 6:00	2.50	DRLINT1	13		P	7,478.0	POOH F/ 7478 TO 5,000 CONDUCT 10 MIN FLOW CHECK CONT POOH
2/11/2011	6:00 6:15	0.25	DRLINT1	41		P	7,478.0	PRE TOUR SAFETY MEETING - TRIP OUT OF HOLE
	6:15 9:30	3.25	DRLINT1	13		P	7,478.0	TRIP OUT OF HOLE FROM 3926 FT. FLOW CHECK AT 3926 FT (SLIGHT FLOW OF 1 +/- GAL/MIN NOTED). FLOW CHECK AT 2555 FT (SLIGHT FLOW OF 1 +/- GAL/MIN NOTED). FLOW CHECK AT 1089 FT, 0 FT.
	9:30 10:00	0.50	DRLINT1	42		P	7,478.0	BREAK BIT AND GYRODATA STERRING TOOL
	10:00 14:00	4.00	DRLINT1	42		P	7,478.0	DOWNLOAD INFORMATION FROM GYRO TOOL, LAY DOWN GYRO, WAIT ON ORDERS. FLOW FROM WELL - TRIP TANK VOLUME INCREASED 1.4 BBL, TO 13.0 BBL.
	14:00 17:15	3.25	DRLINT1	42		P	7,478.0	PREP TOOLS FOR PICKUP. GYRODATA STEERING TOOL NON-FUNCTIONAL. TRIP TANK VOLUME INCREASED 2.2 BBL TO 15.2 BBL.
	17:15 18:00	0.75	DRLINT1	14		P	7,478.0	BREAK AND LAY DOWN GYRODATA TOOL.
	18:00 18:15	0.25	DRLINT1	41		P	7,478.0	PRE TOUR SAFETY MEETING - HANDLING BHA
	18:15 20:00	1.75	DRLINT1	14		P	7,478.0	PICK UP MUD MOTOR AND BEND TO 1.83 DEG. ORIENT TOOLS
	20:00 20:15	0.25	DRLINT1	41		P	7,478.0	SAFETY MEETING
	20:15 21:00	0.75	DRLINT1	42		P	7,478.0	P/U EM TOOLS AND SCRIBE CHANGE OUT FINS
	21:00 22:30	1.50	DRLINT1	13		P	7,478.0	RIH TO 931 FT
	22:30 23:00	0.50	DRLINT1	15		P	7,478.0	FILL D/P TIGHTEN UP UNIONS ON KELLY HOSE BLOW DOWN TOP DRIVE
	23:00 0:00	1.00	DRLINT1	41		P	7,478.0	SAFETY MEETING ON PROPER HAND PLACEMENT AND RIH
	0:00 1:30	1.50	DRLINT1	13		P	7,478.0	CONT RIH F/931 TO 3,722 FT

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	1:30 2:00	0.50	DRLINT1	15		P	7,478.0	CIRCULATE BTU PUMP 1 STKS =60 PSI=300 PUMP=2 STKS 60 PSI=230 @ 3,722 FT
	2:00 4:30	2.50	DRLINT1	13		P	7,478.0	CONT RIH F/ 3,722 TO 7478 FT CIRC LAST 3 STDS DOWN
	4:30 6:00	1.50	DRLINT1	13		P	7,478.0	CONT DRILL 8.75 HOLE F/ 7478 TO 7484FT SLIDING F/ 7484 TO7500 FT
2/12/2011	6:00 6:15	0.25	DRLINT1	41		P	7,500.0	PRE TOUR SAFETY MEETING - CONNECTIONS
	6:15 9:30	3.25	DRLINT1	7		P	7,500.0	DRILL 8 3/4" HOLE FROM 7500 FT TO 7626 FT.
	9:30 10:15	0.75	DRLINT1	42		P	7,626.0	CHANGE VALVE & SEAT - PUMP 2
	10:15 10:45	0.50	DRLINT1	7		P	7,626.0	DRILL 8 3/4" HOLE FROM 7626 FT TO 7641 FT.
	10:45 11:00	0.25	DRLINT1	12		P	7,641.0	RIG SERVICE. GREASE SWIVEL, TOPDRIVE, DRAWWORKS, BAYLOR BRAKE, DRIVELINE. FUNCTION ANNULAR - 16 SECONDS/
	11:00 11:30	0.50	DRLINT1	12		P	7,641.0	CHANGED OUT WASHED LINER, CONNECTION,RESHOOT SURVEY
	11:30 14:00	2.50	DRLINT1	7		P	7,767.0	CONT DRILL F/ 7641 TO 7767 FT
	14:00 15:00	1.00	DRLINT1	42		N	7,767.0	WORKED ON PUMP 1
	15:00 17:45	2.75	DRLINT1	7		P	7,909.0	CONT DRILL F/7767 TO 7909 FT
	17:45 18:00	0.25	DRLINT1	42		P	7,909.0	SURVEY & CONNECTIONS
	18:00 18:15	0.25	DRLINT1	41		P	7,909.0	PRETOUR MEETING [RIG SERVICE]
	18:15 0:00	5.75	DRLINT1	7		P	8,066.0	CONT DRILL F/ 7909 TO 8066 FT
	0:00 2:45	2.75	DRLINT1	7		P	8,111.0	CONT DRILL F/ 8-66 TO 8111 ft
	2:45 3:30	0.75	DRLINT1	12		P	8,111.0	SERVICE RIG LUBRICATE FCT ,UPR & LPR
	3:30 5:30	2.00	DRLINT1	7		P	8,128.0	CONT DRILL 8.75 HOLE F/ 8,111 TO 8128
	5:30 6:00	0.50	DRLINT1	42		P	8,128.0	SURVEY & CONNECTIONS
2/13/2011	6:00 6:15	0.25	DRLINT1	41		P	8,128.0	PRE TOUR SAFETY MEETING - USE OF TONGS
	6:15 7:00	0.75	DRLINT1	7		P	8,128.0	DRILL 8 3/4" HOLE FROM 8128 FT TO 8128 FT.
	7:00 7:30	0.50	DRLINT1	15		P	8,128.0	CIRCULATE AND PREPARE TO TRIP FOR BIT.
	7:30 13:00	5.50	DRLINT1	13		P	8,128.0	TRIP OUT OF HOLE FROM 8128 FT. FLOW CHECK AT 8119 FT, 7846 FT, 4210 FT, 1210 FT, 0 FT.
	13:00 13:30	0.50	DRLINT1	14		P	8,128.0	RACK DIRECTIONAL TOOLS IN DERRICK
	13:30 14:00	0.50	DRLINT1	67		N	8,128.0	WAIT ON ORDERS
	14:00 16:15	2.25	DPDCOND	65		N	8,128.0	WAIT ON PERSONNEL FROM SLAUGH FISHING, VERNAL, UTAH
	16:15 17:15	1.00	DRLINT1	53		N	8,128.0	UNLOAD FISHING TOOLS, MOVE TO RIG FLOOR AND STRAP
	17:15 18:00	0.75	DRLINT1	53		N	8,128.0	PICK UP FISHING TOOLS
	18:00 18:15	0.25	DRLINT1	53		N	8,128.0	PRE TOUR SAFETY MEETING.
	18:15 0:30	6.25	DRLINT1	53		N	8,128.0	TRIP IN HOLE W/ REVERSE CIRCULATING JUNK BASKET, WITH 2 JUNK SUBS, TO RECOVER CONES. BHA NO 8 RIH F/ O TO 7800 WASH LAST THREE STDS DOWN TO 8125 FT PWT=169K DWT=150K
	0:30 1:30	1.00	DRLINT1	53		N	8,128.0	CONT WASH DOWN NO ROTATION P/R= 147 GPM /161 PSI TAG TOP OF FISH @ 8128 FT SET DWT=2K P/U WORKED PIPE P/R= 592 GPM PSI=1914 CIRC BTU
	1:30 4:00	2.50	DRLINT1	53		N	8,128.0	DROP BALL P/R= 172 GPM @ 812 PSI BALL ON SET P/R= 859 PSI CONT WASHING DOWN WHILE ROTATING P/R= 330 GPM @ 844PSI CONT ROTATING WORKING PIPE DOWN W/5-7 K TO 8128 FT
	4:00 6:00	2.00	DRLINT1	53		N	8,128.0	PUMP PILL PULLED OFF BOTTOM W/30K OVER F/ 8128 TO 7867 FT CONT POOH W/ DRILL PIPE STD BK IN DRK
2/14/2011	6:00 6:15	0.25	DRLINT1	53		N	8,128.0	PRE TOUR SAFETY MEETING - TRIP OUT OF HOLE.
	6:15 10:30	4.25	DRLINT1	53		N	8,128.0	TRIP OUT OF HOLE W/ JUNK BASKET, FROM 6800 FT. FLOW CHECK AT 3823 FT, 1018 FT, 0 FT.
	10:30 11:45	1.25	DRLINT1	53		N	8,128.0	EMPTY JUNK BASKET & JUNK SUBS. BREAK DOWN TOOLS
	11:45 12:15	0.50	DRLINT1	53		N	8,128.0	CLEAN RIG FLOOR, WAIT ON ORDERS
	12:15 12:30	0.25	DRLINT1	53		N	8,128.0	PREPARE 8 3/4" MILL

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	12:30 13:00	0.50	DRLINT1	53		N	8,128.0	MAKE UP MILL AND JUNK BASKETS.
	13:00 14:15	1.25	DRLINT1	53		N	8,128.0	MAKE UP BHA
	14:15 14:30	0.25	DRLINT1	53		N	8,128.0	INSTALL ROTATING RUBBER, FILL PIPE, REVIEW JSA - TRIP IN HOLE.
	14:30 15:30	1.00	DRLINT1	53		N	8,128.0	TRIP IN HOLE FROM 800 FT. TO 3770 FT.
	15:30 16:00	0.50	DRLINT1	53		N	8,128.0	FILL PIPE AND CIRCULATE BOTTOMS UP AT CASING SHOE.
	16:00 17:00	1.00	DRLINT1	53		N	8,128.0	SLIP AND CUT 92.5 FT OF DRILLING LINE
	17:00 18:00	1.00	DRLINT1	53		N	8,128.0	CONT RIH F/ 3770 TO 5500 FT
	18:00 18:15	0.25	DRLINT1	53		N	8,128.0	PRE TOUR MEETING [RIH]
	18:15 19:30	1.25	DRLINT1	53		N	8,128.0	CONT RIH F/ 5500 TO 7792FT ROTATE WASH DOWN 588 GPM DOWN TO 8128 FT TO BOTTOM
	19:30 0:30	5.00	DRLINT1	53		N	8,128.0	CONT WORKING JUNK MILL F/ 8128 TO 8129 FT ON ROLLER CONES W /6-8-19K GPM= 588 P/R=120x2 / 1737PSI ROTARY= 63 MAX TORQUE=8.868 FREE TORQUE= 6160 ANN VISL=255 FT PER MIN PUWT=174K DWT=172K
	0:30 1:00	0.50	DRLINT1	53		N	8,128.0	POOH F/ 8130 TO 7685 FLOW CHECK WELL F/ 10 MIN PUMP SLUG
	1:00 3:30	2.50	DRLINT1	53		N	8,128.0	CONT POOH WITH DRILL PIPEF/ 7685 TO 4002 FLOW 10 MIN NO FLOW
	3:30 6:00	2.50	EVLINT1	53		N	8,130.0	CONT POOH WITH DRILL PIPE F/4002 TO 0 FT
2/15/2011	6:00 6:15	0.25	DRLINT1	53		N	8,128.0	PER TOUR SAFETY MEETING - HANDLING DRILL COLLARS
	6:15 7:00	0.75	DRLINT1	53		N	8,128.0	TRIP OUT OF HOLE, FLOW CHECK AT 0 FT.
	7:00 7:30	0.50	DPDCOND	53		N	8,128.0	RETRIEVE MATERIAL FROM BASKETS, BREAK DOWN FISHING TOOLS
	7:30 7:45	0.25	DRLINT1	12		P	8,128.0	RIG SERVICE. GREASE CROWN, BLOCKS, TOP DRIVE, DRAWWORKS, FUNCTION BLIND RAMS - 5 SEC/ 5 SEC.
	7:45 9:00	1.25	DRLINT1	67		N	8,128.0	WAIT ON ORDERS.
	9:00 13:00	4.00	DRLINT1	65		N	8,128.0	WAIT ON MODIFIED FISHING BASKET.
	13:00 13:45	0.75	DRLINT1	53		N	8,128.0	PREPARE AND PICK UP FISHING TOOLS TO FLOOR.
	13:45 14:15	0.50	DRLINT1	53		N	8,128.0	MAKE UP REVERSE CIRCULATING JUNK BASKET AND JUNK SUBS.
	14:15 15:45	1.50	DRLINT1	53		N	8,128.0	MAKE UP BHA.
	15:45 16:45	1.00	DRLINT1	53		N	8,128.0	TRIP IN HOLE TO 3733 FT.
	16:45 17:15	0.50	DRLINT1	53		N	8,128.0	FILL PIPE, CIRCULATE, BLOW TOP DRIVE.
	17:15 18:00	0.75	DRLINT1	53		N	8,128.0	TRIP IN HOLE FROM 3733 FT TO 5500 FT.
	18:00 18:15	0.25	DRLINT1	53		N	8,128.0	PRE TOUR SAFETY MEETING - [CONFINED SPACE ENTRY]
	18:15 19:30	1.25	DRLINT1	53		N	8,128.0	TRIP IN HOLE FROM 5550 FT WASH LAST 3 STANDS DOWN WHILE ROTATING WORKING PIPE F/ 7830 TO 8124 CONT WORKING PIPE D/TO 8128 PU / WT=177 DWT=172
	19:30 20:30	1.00	DRLINT1	53		N	8,128.0	CIRCULATE BTU P/R= 563 GPM P/P=1768 PSI ANN VELOCITY 253 FT PER MIN WORK DRILL STRING WASH PUMP SWEEP DROP BALL PUMP ON SEAT @ 168 GPM P/P=175 PSI ON SEAT P/P= 182 FREE TQ= 4612 FREE RPMS=63
	20:30 23:00	2.50	DRLINT1	53		N	8,128.0	CORE DRILL WITH REV CIRC BSKT P/R=329GPM PSI=771 WOB=2-4K WORK & ROTATE & CORE DRILL F/ 8128 TO 8130 FT ON BOTTOM TQ=5849-6283 RPMS=60
	23:00 3:00	4.00	DRLINT1	53		N	8,128.0	PUMP SLUG POOH F/8130 TO 7663 FT FLOW CHECK WELL 10 MIN B/D TOP DRIVE CONT POOH TO 4,000
	3:00 4:30	1.50	DRLINT1	53		N	8,128.0	FLOW CHECK WELL @ 4,000FT & 1055 FT 10 MIN NO FLOW CONT POOH TO BHA
	4:30 6:00	1.50	DRLINT1	53		N	8,128.0	BRAKE DOWN LAY DOWN BHA
2/16/2011	6:00 6:15	0.25	DRLINT1	71		N	8,128.0	PRE TOUR SAFETY MEETING - TRIP IN HOLE, BREAK DOWN BASKETS
	6:15 7:00	0.75	DRLINT1	71		N	8,128.0	RETRIEVE MATERIAL FROM BASKETS

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	7:00 7:15	0.25	DRLINT1	12		P	8,128.0	RIG SERVICE. GREASE BLOCKS, TOP DRIVE, DRAW WORKS, BAYLOR BRAKE. FUNCTION UPPER PIPE RAMS, BLIND RAMS/ ANNULAR - 5/5/16 SECONDS.
	7:15 8:00	0.75	DRLINT1	67		N	8,128.0	WAIT ON ORDERS
	8:00 8:30	0.50	DRLINT1	53		N	8,128.0	PICK UP, PREPARE AND MAKE UP FISHING TOOLS
	8:30 10:00	1.50	DRLINT1	53		N	8,128.0	MAKE UP BHA, INSTALL ROTATING RUBBER, FILL PIPE.
	10:00 10:45	0.75	DRLINT1	53		N	8,128.0	TRIP IN HOLE FROM 790 FT TO 3732 FT.
	10:45 11:15	0.50	DRLINT1	53		N	8,128.0	FILL PIPE AND CIRCULATE BOTTOMS UP AT 3732 FT.
	11:15 13:15	2.00	DRLINT1	53		N	8,128.0	RIH F/ 3732 -8129 WASH LAST THREE STANDS TO BOTTOM
	13:15 17:00	3.75	DRLINT1	53		N	8,128.0	MILL ON JUNK & DRILL TO 8131W/ MILL
	17:00 18:00	1.00	DRLINT1	53		N	8,128.0	POOH 8131 - 6959 FT
	18:00 18:15	0.25	DRLINT1	53		N	8,128.0	PRETOUR SAFETY MEETING
	18:15 19:30	1.25	DRLINT1	53		N	8,128.0	CONT POOH F / 6953 TO 4923 FT
	19:30 19:45	0.25	DRLINT1	53		N	8,128.0	BOPE DRILL TRIP WELL SECURE 100SEC ANNULAR 18 SEC ALL HANDS IN PLACE
	19:45 23:00	3.25	DRLINT1	53		N	8,128.0	CONT POOH F/ 4923 TO 687 FT
	23:00 23:15	0.25	DRLINT1	53		N	8,128.0	SAFETY MEETING MTG STD BACK D/C
	23:15 1:30	2.25	DRLINT1	53		N	8,128.0	BRAKE DOWN LAY BHA CLEAN OUT JUNK BSKTS L/D FISHING TOOLS LOAD ON TRUCK
	1:30 1:45	0.25	DRLINT1	41		P	8,128.0	SAFETY MEETING ON P/U M/U DIR TOOLS
	1:45 2:30	0.75	DRLINT1	13		P	8,128.0	M/U BIT ON EM TOOL
	2:30 6:00	3.50	DRLINT1	13		P	8,128.0	RIH F/ 0 TO 3835 FT
2/17/2011	6:00 6:15	0.25	DRLINT1	41		P	8,131.0	PRE TOUR SAFETY MEETING - TRIPPING IN HOLE
	6:15 8:30	2.25	DRLINT1	13		P	8,131.0	TRIP IN HOLE FROM 3835 FT TO 7925 FT.
	8:30 9:30	1.00	DRLINT1	16		P	8,131.0	CIRCULATE AND WASH TO BOTTOM - 7925 FT TO 8131 FT.
	9:30 14:00	4.50	DRLINT1	7		P	8,131.0	PATTERN BIT FHI-45, 617X TYPE, S/N - PS-1381, DRILL FROM 8131 FT TO 8204 FT.
	14:00 14:15	0.25	DRLINT1	12		P	8,204.0	RIG SERVICE. FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS
	14:15 14:30	0.25	DRLINT1	41		P	8,204.0	BOP DRILL W/ CREW. WELL SECURE, MEN IN POSITION IN 95 SECONDS.
	14:30 16:00	1.50	DRLINT1	7		P	8,225.0	DRILL 8 3/4" HOLE FROM 8204 FT TO 8225 FT.
	16:00 17:00	1.00	DRLINT1	45		N	8,225.0	WORK ON PUMP 1 WHILE WORKING DRILL PIPE
	17:00 17:30	0.50	DRLINT1	7		P	8,240.0	CONT DRILL 8.75 HOLE F/ 8225 TO 8240 FT
	17:30 18:00	0.50	DRLINT1	42		P	8,240.0	SURVEY & CONNECTIONS TIMES
	18:00 18:15	0.25	DRLINT1	41		P	8,240.0	PRE TOUR MEETING [90 FT CONNECTIONS]
	18:15 0:00	5.75	DRLINT1	7		P	8,315.0	CONT DRILL 8.75 HOLE F/ 8240 TO 8315 FT
	0:00 4:30	4.50	DRLINT1	7		P	8,387.0	CONT DRILL 8.75 HOLE F/ 8315 TO 8387 FT
	4:30 4:45	0.25	DRLINT1	12		P	8,387.0	SERVICE RIG GREASE DW TD SWIVEL & BLOCKS FUNCTION TEST UPPER / LOWER 5/5 SEC
	4:45 5:30	0.75	DRLINT1	7		P	8,400.0	CONT DRILL F/ 8387 TO 8400 FT
	5:30 6:00	0.50	DRLINT1	42		P	8,400.0	SURVEY & CONNECTIONS
2/18/2011	6:00 6:15	0.25	DRLINT1	41		P	8,400.0	PRE TOUR SAFETY MEETING - 90 CONNECTIONS
	6:15 13:45	7.50	DRLINT1	7		P	8,400.0	DRILL 8 3/4" HOLE FROM 8400 FT - 8514 FT.
	13:45 14:00	0.25	DRLINT1	12		P	8,514.0	RIG SERVICE. FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS
	14:00 17:15	3.25	DRLINT1	7		P	8,514.0	DRILL 8 3/4" HOLE FROM 8514 FT - 8560 FT
	17:15 17:45	0.50	DRLINT1	42		P	8,560.0	REPAIR #2 PUMP, WORK DRILL STRING.
	17:45 18:00	0.25	DRLINT1	42		P	8,560.0	SURVEY AND CONNECTION TIME
	18:00 18:15	0.25	DRLINT1	41		P	8,560.0	PRE TOUR MEETING [RIG TONG SAFETY & GAS BUSTER SAFETY]
	18:15 23:15	5.00	DRLINT1	7		P	8,668.0	CONT DRILL F/ 8560 TO 8668 FT
	23:15 23:30	0.25	DRLINT1	71		P	8,668.0	SERVICE RIG GREASE TD, DW, & SWIVEL , FUNC UPR/LPR 5/5 SEC

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
2/19/2011	23:30 23:45	0.25	DRLINT1	41		P	8,668.0	BOPE DRILL WELL SECURE , CREW IN POSITION IN 90 SEC
	23:45 5:30	5.75	DRLINT1	7		P	8,760.0	CONT DRILL 8.75 HOLE F/ 8668 TO 8760 ft
	5:30 6:00	0.50	DRLINT1	42		P	8,760.0	SURVEY & CONNECTIONS
	6:00 6:15	0.25	DRLINT1	41		P	8,760.0	PER TOUR SAFETY MEETING - TRIP OUT OF HOLE
	6:15 10:45	4.50	DRLINT1	7		P	8,760.0	DRILL FROM 8760 FT TO 8856 FT.
	10:45 11:00	0.25	DRLINT1	12		P	8,856.0	RIG SERVICE. FUNCTION ANNULAR CLOSE/ OPEN - 18 SECONDS
	11:00 12:45	1.75	DRLINT1	7		P	8,856.0	DRILL 8 3/4" HOLE FROM 8856 FT TO 8865 FT.
	12:45 13:45	1.00	DRLINT1	15		P	8,865.0	CIRCULATE & PREPARE FOR TRIP
	13:45 17:30	3.75	DPDCOND	13		P	8,865.0	PUMP PILL AND PULL 5 STANDS - FLOW CHECK. TRIP OUT OF HOLE FROM 8865 FT -
	17:30 18:00	0.50	DRLINT1	42		P	8,865.0	CONNECTION TIME
	18:00 18:15	0.25	DRLINT1	41		P	8,865.0	PRETOUR SAFETY MEETING [POOH]
	18:15 20:00	1.75	DRLINT1	7		P	8,865.0	CONT POOH F/ 2515 , FLOW CHECK WELL 10 MIN @ 900 FT
	20:00 22:15	2.25	DRLINT1	7		P	8,865.0	L/D MWD, CHANGE OUT DIR TOOLS,BEND ,MOTOR, SCRIBE MAKE UP BIT & MWD
	22:15 22:45	0.50	DRLINT1	13		P	8,865.0	PROGRAM MWD
22:45 0:00	1.25	DRLINT1	7		P		M/U BHA ,INSTALL ROTATING HEAD & FILL PIPE	
0:00 1:00	1.00	DRLINT1	7		P	8,865.0	RIH F/ 900 TO 3790	
1:00 1:30	0.50	DRLINT1	15		P	8,865.0	FILL PIPE CIRC BOTTOMS UP	
1:30 2:15	0.75	DRLINT1	17		P	8,865.0	SLIP & CUT DRILLING LINE	
2:15 5:00	2.75	DRLINT1	13		P	8,865.0	CONT RIH F/ 3790 TO 8865 WASH LAST 8 JTS TO BOTTOM	
5:00 6:00	1.00	DRLINT1	7		P	8,865.0	PATTERN BIT & DRILL F/ 8865	
2/20/2011	6:00 6:15	0.25	DRLINT1	41		P	8,865.0	PRE TOUR SAFETY MEETING - WORKING WITH STEAM
6:15 13:45	7.50	DRLINT1	7		P	8,865.0	DRILL 8 3/4" HOLE FROM 8865 FT TO 9054 FT.	
13:45 14:00	0.25	DRLINT1	12		P	9,054.0	RIG SERVICE. FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS	
14:00 17:30	3.50	DRLINT1	7		P	9,054.0	DRILL 8 3/4" HOLE FROM 9054 FT TO 9209 FT.	
17:30 18:00	0.50	DRLINT1	42		P	9,209.0	SURVEY AND CONNECTION TIMES	
18:00 18:15	0.25	DRLINT1	41		P	9,209.0	PRE TOUR MEETING [SNOW REMOVAL& WINTER CONDITIONS]	
18:15 22:45	4.50	DRLINT1	7		P	9,388.0	CONT DRILL F / 9209 TO 9388	
22:45 23:00	0.25	DRLINT1	45		N	9,388.0	CHANGE OUT VALVE & SEAT ON PUMP 1' WHILE CIRC WORKING PIPE	
23:00 1:30	2.50	DRLINT1	7		P	9,511.0	CONT DRILL F / 9388 TO 9511 FT	
1:30 1:45	0.25	DRLINT1	12		P	9,511.0	SERVICE RIG GREASE DW TD, SWIVEL, FUNCTION UPR/LPR 5/5 SEC	
1:45 5:00	3.25	DRLINT1	7		P	9,750.0	CONT DRILL F/ 9511 TO 9750 ft	
5:00 6:00	1.00	DRLINT1	7		P	9,750.0	SURVEY & CONNECTION TIME	
2/21/2011	6:00 6:15	0.25	DRLINT1	41		P	9,720.0	PRE TOUR SAFETY MEETING
6:15 7:45	1.50	DRLINT1	7		P	9,720.0	DRILL 8 3/4" HOLE FROM 9720 FT - 9775 FT	
7:45 8:15	0.50	DRLINT1	45		N	9,775.0	REPAIR PUMP #2 AND WORK DRILL STRING. CIRCULATE W/ PUMP #1	
8:15 13:15	5.00	DRLINT1	7		P	9,775.0	DRILL 8 3/4" HOLE FROM 9775 FT - 9891 FT.	
13:15 13:30	0.25	DRLINT1	12		P	9,891.0	RIG SERVICE. FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS	
13:30 17:30	4.00	DRLINT1	7		P	9,891.0	DRILL 8 3/4" HOLE FROM 9891 FT - 9986 FT	
17:30 18:00	0.50	DRLINT1	42		P	9,986.0	SURVEYS AND CONNECTIONS	
18:00 18:15	0.25	DRLINT1	41		P	9,986.0	CREW CHANGE. SAFETY MEETING.	
18:15 0:30	6.25	DRLINT1	7		P	9,986.0	DRILL 8 3/4" HOLE F/ 9986' TO 10077'. (NOTE @ 10033' HAD A 200BBL LOSS. PUMPED 10% LCM.)	
0:30 1:00	0.50	DRLINT1	42		P	10,077.0	ACC. SURVEYS & CONNECTIONS.	
1:00 1:30	0.50	DRLINT1	15		P	10,077.0	CIRCULATE & PREP TO POOH.	
1:30 1:45	0.25	DRLINT1	12		P	10,077.0	RIG SERVICE.	
1:45 6:00	4.25	DRLINT1	13		P	10,077.0	POOH. FLOW CHECKS & 10042', 9667' & 5064'.	

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
2/22/2011	6:00 6:15	0.25	DRLINT1	41		P	10,077.0	PRE TOUR SAFETY MEETING - TRIPPING OUT OF HOLE
	6:15 8:45	2.50	DPDCOND	13		P	10,077.0	TRIP OUT OF HOLE FROM 910 FT - 0 FT. BREAK OFF BIT #13
	8:45 10:00	1.25	DRLINT1	13		P	10,077.0	MAKE UP JUNK SUB & BIT #14 - FHI-45 S/N - PS1458 W/ 3 X 22/32ND NOZZLES
	10:00 11:00	1.00	DRLINT1	42		P	10,077.0	WAIT ON MAKE UP TORQUE INFORMATION FROM WEATHERFORD FOR SLEEVE ABOVE BIT - 600 FT/LB ON LEFT HAND THREAD.
	11:00 11:15	0.25	DRLINT1	12		P	10,077.0	RIG SERVICE.
	11:15 15:00	3.75	DRLINT1	13		P	10,077.0	TRIP IN HOLE FROM 0 FT TO 3827 FT.
	15:00 16:30	1.50	DRLINT1	16		P	10,077.0	WASH FROM 3827 FT - 4301 FT.
	16:30 17:30	1.00	DRLINT1	13		P	10,077.0	TRIP IN HOLE FROM 4301 FT TO 5880 FT.
	17:30 18:00	0.50	DRLINT1	16		P	10,077.0	WASH FROM 5880 FT TO 6003 FT.
	18:00 18:15	0.25	DRLINT1	41		P	10,077.0	CREW CHANGE - PRE TOUR SAFETY MEETING - RIH
	18:15 18:45	0.50	DRLINT1	13		P	10,077.0	RIH F/ 6003' TO 7260'.
	18:45 19:15	0.50	DRLINT1	16		P	10,077.0	WASH F/ 7260' TO 7516'.
	19:15 20:15	1.00	DRLINT1	13		P	10,077.0	RIH F/ 7516' TO 9636'.
	20:15 21:45	1.50	DRLINT1	16		P	10,077.0	WASH F/ 9636' TO 10077'.
	21:45 4:15	6.50	DRLINT1	7		P	10,077.0	DRILL 8-3/4" HOLE F/ 10077' TO 10142'.
	2/23/2011	4:15 4:30	0.25	DRLINT1	12		P	10,142.0
4:30 5:45		1.25	DRLINT1	7		P	10,142.0	DRILL 8-3/4" HOLE F/ 10142' TO 10159'
5:45 6:00		0.25	DRLINT1	42		P	10,159.0	ACC. SURVERYS & CONNECTIONS.
6:00 6:15		0.25	DRLINT1	41		P	10,159.0	PRE TOUR SAFETY MEETING - BLOW BACK TOP DRIVE.
6:15 9:15		3.00	DRLINT1	7		P	10,159.0	DRILL 8 3/4" HOLE FROM 10159 FT - 10208 FT.
9:15 9:30		0.25	DRLINT1	41		P	10,208.0	B.O.P. DRILL - WELL SECURE, MEN IN POSITION - 100 SECONDS.
9:30 9:45		0.25	DRLINT1	12		P	10,208.0	RIG SERVICE. FUNCTION ANNULAR - CLOSE/ OPEN - 18 SECONDS.
9:45 17:30		7.75	DRLINT1	7		P	10,208.0	DRILL 8 3/4" FROM 10208 FT - 10280 FT
17:30 18:00		0.50	DRLINT1	42		P	10,280.0	SURVEY AND CONNECTION TIME
18:00 18:15		0.25	DRLINT1	41		P	10,280.0	PRE TOUR SAFETY MEETING - SETTING & PULLING SLIPS.
2/24/2011	18:15 22:30	4.25	DRLINT1	7		P	10,280.0	DRILL 8-3/4" HOLE F/ 10280' TO 10329'. SLIDE 15' FOR 1HR 35 MIN.
	22:30 22:45	0.25	DRLINT1	12		P	10,329.0	RIG SERVICE.
	22:45 5:45	7.00	DRLINT1	7		P	10,329.0	DRILL 8-3/4" HOLE F/ 10329' TO 10397'.
	5:45 6:00	0.25	DRLINT1	42		P	10,397.0	ACC. SURVEYS & CONNECTION TIME.
	6:00 6:15	0.25	DRLINT1	41		P	10,397.0	PRE TOUR SAFETY MEETING
	6:15 8:45	2.50	DRLINT1	7		P	10,397.0	DRILLING 8-3/4 HOLE FROM 10,397'-10,438'
	8:45 9:00	0.25	DRLINT1	10		P	10,438.0	FLOW CHECK
	9:00 17:15	8.25	DRLINT1	7		P	10,438.0	DRILLING 8-3/4" HOLE FROM 10,438'-10,515'
2/25/2011	17:15 17:30	0.25	DRLINT1	42		P	10,515.0	ACCUMULATED CONNECTION AND SURVEY TIME
	17:30 18:00	0.50	DRLINT1	13		P	10,515.0	PUMP TRIP PILL AND TOH FOR BIT
	18:00 18:15	0.25	DRLINT1	41		P	10,515.0	PRE TOUR SAFETY MEETING
	18:15 19:45	1.50	DRLINT1	13		P	10,515.0	TOOH F/ 10515' TO 7195'.
	19:45 20:00	0.25	DRLINT1	41		P	10,515.0	BOP DRILL WELL SHUT IN CREW IN POSITION 100 SEC.
	20:00 1:00	5.00	DRLINT1	13		P	10,515.0	TOOH F/ 7195' TO 0'. BREAK BIT. DUMP JUNK BASKET - CUTTINGS IN JUNK BASKET. BEND MUD MOTOR TO 2.12 DEGREES.
	1:00 3:00	2.00	DRLINT1	13		P	10,515.0	MAKE UP BIT SMITH FH 30 TIH 3822'.
	3:00 3:30	0.50	DRLINT1	15		P	10,515.0	CIRCULATE BOTTOMS UP.
	3:30 4:15	0.75	DRLINT1	17		P	10,515.0	SLIP & CUT DRILL LINE.
	4:15 4:30	0.25	DRLINT1	12		P	10,515.0	RIG SERVICE.
	4:30 6:00	1.50	DRLINT1	13		P	10,515.0	TIH
	6:00 6:15	0.25	DRLINT1	41		P	10,515.0	PRE TOUR SAFETY MEETING
6:15 7:00	0.75	DRLINT1	15		P	10,515.0	BREAK CIRCULATION AT 7000', CIRCULATE BOTTOMS UP	
7:00 8:30	1.50	DRLINT1	13		P	10,515.0	TRIP IN HOLE FROM 7000' TO	

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	8:30 9:30	1.00	DRLINT1	16		P	10,515.0	WASH LAST 3 STANDS TO BOTTOM
	9:30 11:00	1.50	DRLINT1	7		P	10,515.0	DRILLING 8-3/4" HOLE FROM 10515' TO 10,525' (ROTATING)
	11:00 13:45	2.75	DRLINT1	7		P	10,525.0	DRILLING 8-3/4" HOLE FROM 10,525'- 10,550 (SLIDING)
	13:45 16:00	2.25	DRLINT1	7		P	10,550.0	DRILLING 8-3/4" HOLE FROM 10,550'-10575' (ROTATING)
	16:00 16:30	0.50	DRLINT1	12		P	10,575.0	LUBRICATE RIG
	16:30 17:45	1.25	DRLINT1	7		P	10,575.0	DRILLING 8-3/4" HOLE FROM 10,575'- 10588' (SLIDING)
	17:45 18:00	0.25	DRLINT1	45		N	10,588.0	WORK ON PUMPS (LCM UNDER INSERTS)
	18:00 18:15	0.25	DRLINT1	41		P	10,588.0	PRE TOUR SAFETY MEETING.
	18:15 18:30	0.25	DRLINT1	45		N	10,588.0	WORK ON PUMPS (LCM UNDER INSERTS)
	18:30 19:00	0.50	DRLINT1	7		P	10,588.0	DRILLING 8-3/4" HOLE F/ 10588' TO 10592' SLIDING.
	19:00 20:15	1.25	DRLINT1	7		P	10,592.0	DRILLING 8-3/4" HOLE F/ 10592' TO 10607' ROTATING.
	20:15 21:15	1.00	DRLINT1	7		P	10,607.0	DRILLING 8-3/4" HOLE F/ 10607' TO 10618' SLIDING.
	21:15 4:30	7.25	DRLINT1	7		P	10,618.0	DRILLING 8-3/4" HOLE F/ 10618' TO 10698' ROTATING.
	4:30 4:45	0.25	DRLINT1	12		P	10,698.0	RIG SERVICE.
	4:45 5:15	0.50	DRLINT1	7		P	10,698.0	DRILLING 8-3/4" HOLE F/ 10698' TO 10712' ROTATING.
	5:15 6:00	0.75	DRLINT1	42		P	10,712.0	ACC. SURVEYS & CONNECTION TIME.
2/26/2011	6:00 6:15	0.25	DRLINT1	41		P	10,712.0	PRE TOUR SAFETY MEETING
	6:15 7:30	1.25	DRLINT1	7		P	10,712.0	DRILLING 8-3/4" HOLE FROM 10,712' TO 10730' (ROTATING)
	7:30 8:30	1.00	DRLINT1	45		N	10,730.0	GO THROUGH BOTH MUD PUMPS
	8:30 10:00	1.50	DRLINT1	8		P	10,730.0	DRILLING 8-3/4" HOLE FROM 10,730'TO 10,741(SLIDING)
	10:00 10:30	0.50	DRLINT1	45		N	10,741.0	GO THROUGH MUD PUMP
	10:30 10:45	0.25	DRLINT1	12		P	10,741.0	LUBRICATE RIG
	10:45 11:00	0.25	DRLINT1	47		N	10,741.0	PASON TRACKER NOT WORKING (TROUBLE SHOOT) CALL PASON
	11:00 15:30	4.50	DRLINT1	7		P	10,741.0	DRILLING 8-3/4" HOLE FROM 10741' TO 10,794' (ROTATING)
	15:30 16:15	0.75	DRLINT1	47		N	10,794.0	TROUBLE SHOOT PASON TRACKER (PASON) CHG CABLE.
	16:15 17:30	1.25	DRLINT1	8		P	10,794.0	DRILLING 8-3/4" HOLE FROM 10,794' TO 10,804' (SLIDING)
	17:30 18:00	0.50	DRLINT1	7		P	10,804.0	DRILLING 8-3/4" HOLE FROM 10,804' TO 10,810' (ROTATING)
	18:00 18:15	0.25	DRLINT1	41		P	10,810.0	PRE TOUR SAFETY MEETING.
	18:15 19:30	1.25	DRLINT1	7		P	10,810.0	DRILL 8-3/4" HOLE F/ 10810' TO 10822' (ROTATING).
	19:30 20:00	0.50	DRLINT1	45		N	10,822.0	GO THROUGH MUD PUMPS #1 & #2 SHAKERS BY BY PASSED.
	20:00 2:45	6.75	DRLINT1	7		P	10,822.0	DRILL 8-3/4" HOLE F/ 10822' TO 10886' (ROTATING).
	2:45 3:00	0.25	DRLINT1	12		P	10,886.0	RIG SERVICE.
	3:00 3:15	0.25	DRLINT1	15		P	10,886.0	CIRCULATE GENERATOR DOWN. WAIT FOR NEW CAMP GENERATOR.
	3:15 4:30	1.25	DRLINT1	7		P	10,886.0	DRILL 8-3/4" HOLE F/ 10886' TO 10901' (ROTATING)
	4:30 6:00	1.50	DRLINT1	42		P	10,901.0	ACC. SURVEYS & CONECTION TIME.
2/27/2011	6:00 6:15	0.25	DRLINT1	41		P	10,901.0	PRE TOUR SAFETY MEETING WEEKEND AWARENESS
	6:15 9:15	3.00	DRLINT1	15		P	10,901.0	CIRCULATE AND RAISE MUD WT FROM 9.7 PPG TO 9.9 PPG FOR BIT TRIP.
	9:15 15:45	6.50	DRLINT1	13		P	10,901.0	PUMP TRIP PILL, PULL 5 STANDS, FLOW CHECK-DRAIN STANDPIPE AND KELLY HOSE, TRIP OUT OF HOLE FOR BIT CHANGE. TIPS GONE OFF OF 2 CONES
	15:45 18:00	2.25	DRLINT1	13		P	10,901.0	LAY DOWN DIRECTIONAL TOOLS
	18:00 18:15	0.25	DRLINT1	41		P	10,901.0	PRE TOUR SAFETY MEETING WEEKEND AWARENESS.
	18:15 19:45	1.50	DRLINT1	53		N	10,901.0	CLEAN UP RIG FLOOR WAIT ON FISHING HAND & TOOLS.
	19:45 20:00	0.25	DRLINT1	53		N	10,901.0	SAFETY MEETING PICKING UP TOOLS.
	20:00 20:30	0.50	DRLINT1	53		N	10,901.0	STRAP & MAKE UP FISHING TOOLS.
	20:30 0:30	4.00	DRLINT1	53		N	10,901.0	TIH ton 7050'.
	0:30 1:30	1.00	DRLINT1	53		N	10,901.0	CIRCULATE.
	1:30 3:30	2.00	DRLINT1	54		N	10,901.0	TIH WASH LAST 3 THREE STANDS DOWN.
	3:30 6:00	2.50	DRLINT1	53		N	10,901.0	MILL ON JUNK IN HOLE.
2/28/2011	6:00 6:15	0.25	DRLINT1	53		N	10,901.0	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 9:45	3.50	DRLINT1	53		N	10,901.0	MILL ON JUNK (CONES). MADE 1.5 FEET PAST TOP OF JUNK, TORQUE DOWN, UNABLE TO MAKE ANY MORE HOLE. WORKED JUNK BASKETS, SHUT DOWN PUMPS FILLED BASKETS X2. WORKED STRING ENTIRE 75' AFTER EACH FILL WITH PUMPS IN.
	9:45 17:00	7.25	DRLINT1	53		N	10,901.0	PUMP TRIP PILL, TRIP OUT OF HOLE WITH MILL.
	17:00 18:00	1.00	DRLINT1	53		N	10,901.0	BREAK OFF MILL, CLEAN BOTH JUNK SUBS. MILL UNDER GAUGE 1 INCH PLUS, SMALL AMOUNT OF JUNK IN JUNK SUBS.
	18:00 18:15	0.25	DRLINT1	53		N	10,901.0	PRE TOUR SAFETY MEETING.
	18:15 21:30	3.25	DRLINT1	53		N	10,901.0	PU BHA #17 TIH TO 3760' W/ FLOW CHECKS.
	21:30 22:15	0.75	DRLINT1	53		N	10,901.0	SLIP & CUT DRILL LINE.
	22:15 2:15	4.00	DRLINT1	53		N	10,901.0	TIH f/ 3760' TO 10900'. WASHED LAST 3 LAST STANDS DOWN.
	2:15 4:00	1.75	DRLINT1	53		N	10,901.0	WORK HOLE. DRILL F/ 10901' TO 10905'.
	4:00 6:00	2.00	DRLINT1	53		N	10,905.0	TOOH.
	3/1/2011	6:00 6:15	0.25	DRLINT1	53		N	10,905.0
	6:15 10:30	4.25	DRLINT1	53		N	10,905.0	TRIP OUT OF HOLE
	10:30 10:45	0.25	DRLINT1	53		N	10,905.0	BREAK OFF BIT AND JUNK BASKET, CLEAN OUT JUNK BASKET. (ONE LARGE PIECE OF CONE 2.22" X 2", SOME SMALL PIECES AND TUNGSTEN INSERTS.
	10:45 11:15	0.50	DRLINT1	42		P	10,905.0	CLEAN RIG FLOOR
	11:15 11:30	0.25	DRLINT1	41		P	10,905.0	PJSM ON TRIPPING IN HOLE
	11:30 11:45	0.25	DRLINT1	13		P	10,905.0	MAKE UP BIT #18
	11:45 13:00	1.25	DRLINT1	42		P	10,905.0	ORIENT DIRECTIONAL TOOLS, PICK UP GAP SUB, AND INSTALL NEW EM TOOL.
	13:00 18:00	5.00	DRLINT1	13		P	10,905.0	TRIP IN HOLE WITH BIT. BROKE CIRCULATION AT SHOE, SET 10K ON BRIDGE AT 3945, WASHED THROUGH. NO SIGN WITH PUMP IN.
	18:00 18:15	0.25	DRLINT1	41		P	10,905.0	PRE TOUR SAFETY MEETING.
	18:15 20:30	2.25	DRLINT1	13		P	10,905.0	TIH TO 108900'.
	20:30 21:00	0.50	DRLINT1	16		P	10,905.0	WASH POSSIBLE JUNK FROM BOTTOM HOLE.
	21:00 23:45	2.75	DRLINT1	7		P	10,905.0	PATTERN HOLE. DRILL 8-3/4" HOLE F/ 10905' TO 10937'. ROP @ 10913' 12.3 FPH, ROP @ 10920' 12.0 FPH, ROP @ 10925' 11.7 FPH, ROP @ 10928' 17.9 FPH, ROP @ 10930' 14.2 FPH, ROP @ 10932' 9.4 FPH, ROP @ 10934' 9.1 FPH, ROP @ 10935' 7.8 FPH, ROP @ 10936' 6.3 FPH & ROP @ ROP @ 10937' 4.9 FPH.
	23:45 6:00	6.25	DRLINT1	13		P	10,937.0	TOOH TO CHECK BIT.
3/2/2011	6:00 6:15	0.25	DRLINT1	41		P	10,937.0	PRE TOUR SAFETY MEETING
	6:15 9:45	3.50	DRLINT1	13		P	10,937.0	TRIP IN HOLE WITH RR BIT #18. FILL BHA AND PUMP THROUGH. BREAK CIRCULATION AT SHOE.
	9:45 10:00	0.25	DRLINT1	15		P	10,937.0	FILL PIPE AND CIRCULATE
	10:00 11:30	1.50	DRLINT1	17		P	10,937.0	SLIP AND CUT DRILLING LINE
	11:30 14:45	3.25	DRLINT1	13		P	10,937.0	TRIP IN HOLE TO 7100', FILL DRILL PIPE, TIH TO 10,650, FILL DRILL PIPE.
	14:45 16:00	1.25	DRLINT1	16		P	10,937.0	WASH AND REAM FROM 10,650' TO 10,937'. WORK BY POSSIBLE JUNK (NO INDICATION OF JUNK), SLOWLY ADD WEIGHT.
	16:00 16:45	0.75	DRLINT1	7		P	10,937.0	DRILLING 8-3/4" HOLE FROM 10,937' TO 10,949'
	16:45 17:00	0.25	DRLINT1	11		P	10,949.0	DEVIATION SURVEY
	17:00 18:00	1.00	DRLINT1	7		P	10,949.0	DRILLING 8-3/4" HOLE FROM 10949 TO 10960
	18:00 18:15	0.25	DRLINT1	41		P	10,960.0	PRE TOUR SAFETY MEETING [DRIVING LONG CHANGE]
	18:15 20:30	2.25	DRLINT1	7		P	10,977.0	CONT DRILL 8.75 HOLE F/ 10960 TO 10977
	20:30 20:45	0.25	DRLINT1	12		P	10,977.0	RIG SERVICE , GREASE , DW,TD, BAYLOR & SWIVEL. FUN UPRLPR-5-5 SEC
	20:45 5:45	9.00	DRLINT1	7		P	11,065.0	CONT DRILL 8.75 HOLE F/ 10,977 TO 11065 ft ANN VEL 244PER/FT

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
3/3/2011	5:45 6:00	0.25	DRLINT1	11		P	11,065.0	SURVEY & CONNECTIONS
	6:00 6:15	0.25	DRLINT1	41		P	11,070.0	PRE TOUR SAFETY MEETING
	6:15 11:15	5.00	DRLINT1	7		P	11,070.0	DRILLING 8-3/4" HOLE FROM 11,070' TO 11,110'
	11:15 14:00	2.75	DRLINT1	45		N	11,110.0	GO THROUGH BOTH MUD PUMPS AND CHANGE OUT VALVE SEATS AND VALVE INSERTS.
	14:00 14:30	0.50	DRLINT1	7		P	11,110.0	DRILLING 8-3/4" HOLE FROM 11,110-11,113
	14:30 15:00	0.50	DRLINT1	45		N	10,013.0	CHANGE BLOWN GASKET ON EACH PUMP
	15:00 18:00	3.00	DRLINT1	7		P	11,113.0	DRILLING 8-3/4" HOLE FROM 11113 TO 11135
	18:00 18:15	0.25	DRLINT1	41		P	11,135.0	PRE TOUR MEETING [90 FT CONNECTIONS]
	18:15 21:45	3.50	DRLINT1	7		P	11,167.0	DRILL F/ 11136 TO 11167 FT
	21:45 22:00	0.25	DRLINT1	12		P	11,167.0	LUBRICATE RIG GREASE BLOCKS SWIVEL TD,DW,FCN UPR,& LPR C/O6 SEC
	22:00 22:15	0.25	DRLINT1	41		P	11,167.0	HELD SAFETY MEETING JSA* 45
	22:15 22:45	0.50	DRLINT1	42		P	11,167.0	CHANGED OUT ROTATION HEAD
	22:45 23:45	1.00	DRLINT1	7		P	11,173.0	DRILL F/ 11167 TO 11173 FT
	23:45 0:00	0.25	DRLINT1	11		P	11,173.0	SURVEY & CONNECTIONS
	0:00 3:00	3.00	DRLINT1	7		P	11,205.0	DRILL F/ 11173 TO 11205 ft
	3:00 4:00	1.00	DRLINT1	45		P	11,205.0	SERVICE PUMP 1'
	4:00 5:30	1.50	DRLINT1	7		P	11,215.0	CONT DRILL 8.75 HOLE F/ 11205 TO 11215
5:30 6:00	0.50	DRLINT1	11		P	11,215.0	SURVEY & CONNECTIONS	
3/4/2011	6:00 6:15	0.25	DRLINT1	41		P	11,215.0	PRE TOUR SAFETY MEETING
	6:15 10:00	3.75	DRLINT1	7		P	11,215.0	DRILLING 8-3/4" HOLE FROM 11,215 TO 11,250'
	10:00 10:30	0.50	DRLINT1	13		P	11,250.0	PUMP TRIP PILL, TOH FOR BIT CHANGE.
	10:30 15:00	4.50	DRLINT1	13		P	11,250.0	POOH F/ 11250 TO 3724 FT 10 MIN FLOW CHECKS @ 10,862, 5568
	15:00 15:15	0.25	DRLINT1	41		P	11,250.0	BOP DRILL WELL SECURE 100 SEC ALL HANDS IN PLACE
	15:15 17:00	1.75	DRLINT1	13		P	11,250.0	CONT POOH F/ 3724 TO 375 10 MIN FLOW CHECKS @1145
	17:00 18:00	1.00	DRLINT1	13		P	11,250.0	BREAK DOWN LAY DOWN BHA
	18:00 18:15	0.25	DRLINT1	41		P	11,250.0	PRE TOUR MEETING RACKING BACK DRILL COLLARS
	18:15 18:30	0.25	DRLINT1	13		P	11,250.0	POOH F/ 375 TO 0 FT
	18:30 18:45	0.25	DRLINT1	13		P	11,250.0	BREAK OFF BIT RR NO'18
	18:45 19:00	0.25	DRLINT1	13		P	11,250.0	INSPECT EM TOOLS
	19:00 19:15	0.25	DRLINT1	13		P	11,250.0	STAND MUD MOTOR BACK IN DERRICK
	19:15 19:30	0.25	DRLINT1	41		P	11,250.0	SAFETY MEETING [PRESSURE TESTING BOP EQUIPMENT
	19:30 20:00	0.50	DRLINT1	42		P	11,250.0	PULL WEAR BUSHING AND INSTALL TEST PLUG
	20:00 2:30	6.50	DRLINT1	30		P	11,250.0	RIG UP TEST EQUIPMENT INSIDE BOP ,ANNULAR, 250 LOW 3,000 HIGH 10 MIN EACH CONT TESTING UPR & MANUAL ACCUATOR, VALVE .INSIDE KILL , HCR VALVE LOW 250 5,000 HIGH.PRESSURE TEST UPPER. ACCUATOR VALVE ON TOP DRIVE, OUT SIDE VALVE ON HCR * KILL VALVE & BLIND RAMS @ 250 LOW 5,000 HIGH F/ 10 MIN EACH TEST STAND PIPE TO 4,000 PSI
	2:30 3:00	0.50	DRLINT1	30		P	11,250.0	HELD ACCUMULATOR FCN TEST START PRESSURE @2800 PSI AFTER 6 START FCN PRESS 1550 PSI
	3:00 5:00	2.00	DRLINT1	42		P	11,250.0	PULL TEST PLUG & INSTALL WEAR BUSHING [ID 9 5/8]
5:00 5:15	0.25	DRLINT1	12		P	11,250.0	LUBRICATE RIG GREASE BLOCKS TD, DW, SWIVEL	
5:15 5:30	0.25	DRLINT1	41		P	11,250.0	SAFETY MEETING MTG [HANDLING BHA]	
5:30 6:00	0.50	DRLINT1	13		P	11,250.0	PICK UP & MAKE UP BHA EQUIPMENT	
3/5/2011	6:00 6:15	0.25	DRLINT1	41		P	11,250.0	PRE TOUR SAFETY MEETING
	6:15 7:00	0.75	DRLINT1	13		P	11,250.0	PICK UP DIRECTIONAL TOOLS, ORIENT, TIH WITH BHA
	7:00 15:00	8.00	DRLINT1	13		P	11,250.0	TRIP IN HOLE WITH BIT #19. FILL PIPE AND BREAK CIRCULATION AT 3900,8019, AND 10,950. WASH LAST 3 STANDS TO BOTTOM, NO FILL.
	15:00 17:45	2.75	DRLINT1	7		P	11,293.0	DRILLING 8-3/4" HOLE FROM 11,250 TO 11293

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	17:45 18:00	0.25	DRLINT1	42		P	11,293.0	ACCUMULATED CONNECTION AND SURVEY TIME
	18:00 18:15	0.25	DRLINT1	41		P	11,293.0	PRE TOUR SAFETY MEETING [LOCK OUT PROCEDURES]
	18:15 23:45	5.50	DRLINT1	7		P	11,400.0	CONT DRILL F/ 11293 TO 11400 FT
	23:45 0:00	0.25	DRLINT1	11		P	11,400.0	SURVEY & CONNECTIONS
	0:00 1:45	1.75	DRLINT1	7		P	11,442.0	CONT DRILL F/ 11400 TO 11442 FT BLEW POP OFF ON PUMP 2'- SLOW P/R ON PUMP 1' @ 21STKS 1876 PSI -P/R PUMP 2' 25 1897 PSI BIT NOZZLES PLUGED
	1:45 6:00	4.25	DRLINT1	57		N	11,442.0	POOH F/ 11442 TO 7,000 ft
3/6/2011	6:00 6:15	0.25	DRLINT1	57		N	11,442.0	PRE JOB SAFETY MEETING (WEEKEND AWARENESS)
	6:15 13:00	6.75	DRLINT1	57		N	11,442.0	PLUGGED DRILL STRING. TRIP OUT OF HOLE. MOTOR SEIZED, BIT HAS 3 JETS PLUGGED WITH RUBBER FROM MOTOR.
	13:00 15:00	2.00	DRLINT1	57		N	11,442.0	DIRECTIONAL WORK. LAY DOWN MOTOR . PICK UP 6-3/4 HUNTING MOTOR 7/8 LOBE 3.5 STAGE .15 RPG SET AT 1.5 ANGLE.SCRIBE MOTOR, CHECK EM TOOL.
	15:00 16:00	1.00	DRLINT1	57		N	11,442.0	M/U BIT & TEST MWD TOOL
	16:00 18:00	2.00	DRLINT1	57		N	11,442.0	RIH F/ 0 TO 1771 FT
	18:00 18:15	0.25	DRLINT1	57		N	11,442.0	PRE TOUR MEETING
	18:15 18:45	0.50	DRLINT1	57		N	11,442.0	RIH F/ 1771 TO 3828 FT
	18:45 19:00	0.25	DRLINT1	57		N	11,442.0	HELD BOP DRILL WELL SECURE MEN IN POSITION 90 SEC
	19:00 19:15	0.25	DRLINT1	57		N	11,442.0	CIRCULATE BTU @ SHOE 3817 FT
	19:15 19:30	0.25	DRLINT1	57		N	11,442.0	HELD SAFETY MEETING [SLIP & CUT DRILLING LINE]
	19:30 20:15	0.75	DRLINT1	57		N	11,442.0	SLIP & CUT DRILLING LINE
	20:15 22:00	1.75	DRLINT1	57		N	11,442.0	CONT RIH F/ 3828 TO 8073 FT
	22:00 22:15	0.25	DRLINT1	57		N	11,442.0	FILL DRILL PIPE@ 8073 FT
	22:15 23:30	1.25	DRLINT1	57		N	11,442.0	CONT RIH F/ 8073 TO 11198 ft
	23:30 0:30	1.00	DRLINT1	57		N	11,442.0	CONT WASH F / 11308 TO 11442 FT
	0:30 1:30	1.00	DRLINT1	57		P	11,478.0	PATTERN BIT BHA NO 20' DRILL F/ 11442 TO 11478 FT
	1:30 1:45	0.25	DRLINT1	12		P	11,478.0	SERVICE RIG LUBRICATE GREASE BLOCKES SWIVEL. TD , DW, FCN ANNULAR C/O 18 SEC
	1:45 5:30	3.75	DRLINT1	7		P	11,550.0	CONT DRILL F/ 11478 TO 11550
	5:30 6:00	0.50	DRLINT1	7		P	11,550.0	SURVEY & CONNECTIONS
3/7/2011	6:00 6:15	0.25	DRLINT1	41		P	11,550.0	PRE TOUR SAFETY MEETING (90' CONNECTIONS)
	6:15 9:00	2.75	DRLINT1	7		P	11,550.0	DRILLING 8-3/4" HOLE FROM 11,550 TO 11,640'
	9:00 12:30	3.50	DRLINT1	15		P	11,640.0	CIRCULATE AND WORK DRILL PIPE CONTINUOUSLY FOR SHORT TRIP TO CASING SHOE.
	12:30 17:30	5.00	DRLINT1	13		P	11,640.0	PUMP DRY JOB SHORT TRIP TOCSG SHOE F/ 11640 TO 3817 FT CONDUCT 10 MIN FLOW CHECK.
	17:30 18:00	0.50	DRLINT1	13		P	11,640.0	RIH F/ 3817 TO 4527 FT
	18:00 18:15	0.25	DRLINT1	41		P	11,640.0	PRE TOUR MEETING [TRIPPING IN THE HOLE]
	18:15 19:45	1.50	DRLINT1	13		P	11,650.0	RIH F/ 4527 TO 8031 FT
	19:45 20:00	0.25	DRLINT1	15		P	11,640.0	FILL DRILL PIPE @ 8031 FT
	20:00 21:30	1.50	DRLINT1	13		P	11,640.0	CONT RIH F/ 8031 TO 11571 FT
	21:30 21:45	0.25	DRLINT1	16		P	11,640.0	CONT CIRC & WASH DOWN F/ 11571 TO 11640 FT
	21:45 0:00	2.25	DRLINT1	16		P	11,640.0	CONDITION MUD & CIRCULATE BTU X 2 WHILE WORKING DRILL PIPE
	0:00 5:00	5.00	DRLINT1	13		P	11,640.0	POOH F/ 11640 TO 0 FT
	5:00 6:00	1.00	DRLINT1	13		P	11,640.0	BREAK DOWN LAY DOWN BHA NO 20'
3/8/2011	6:00 6:15	0.25	DRLINT1	41		P	11,640.0	PRE TOUR SAFETY MEETING (TRIPPING OUT WITH BHA)
	6:15 8:00	1.75	DRLINT1	13		P	11,640.0	TOH WITH BHA, LAY DOWN DIRECTIONAL TOOLS
	8:00 17:45	9.75	DRLINT1	42		P	11,640.0	RIG UP HALLIBURTON LOGGING. LOGGER'S TD 11,636'. RAN QUAD COMBO WITH DIRECTIONAL AND 6 ARM CALIPER.
	17:45 18:00	0.25	DRLINT1	42		P	11,640.0	BREAK DOWN LOGGING TOOLS
	18:00 18:15	0.25	DRLINT1	41		P	11,640.0	PRE TOUR MEETING
	18:15 19:15	1.00	DRLINT1	42		P	11,640.0	CONT BREAK DOWN LOGGING TOOLS

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	19:15 22:30	3.25	DRLINT1	13		P	11,640.0	PICK UP MAKE UP BHA NO 21' RIH HOLE TO CSG SHOE @ 3817 FT
	22:30 23:15	0.75	DRLINT1	15		P	11,640.0	CIRCULATE BTU 115X2 560 BBL MIN ANN VELOCITY @ 244 FT/PER MIN
	23:15 1:00	1.75	DRLINT1	13		P	11,640.0	CONT RIH FROM 3817 TO 8068 FT
	1:00 1:15	0.25	DRLINT1	15		P	11,640.0	FILL DRILL PIPE @ 8068 FT
	1:15 1:30	0.25	DRLINT1	12		P	11,640.0	LUBRICATE RIG GREASE BLOCKS SWIVEL TD,DW, FCN ANNULAR C/O 18SEC
	1:30 2:00	0.50	DRLINT1	13		P	11,640.0	CONT RIH F/ 8068 TO 9327 FT TIGHT SPOT
	2:00 2:15	0.25	DRLINT1	16		P	11,640.0	ROTATE & WASH THROUGH TIGHT SPOT @ 9327 FT 105 X 2 STKS MIN 501 BBL ROTARY 46 PRESURE 1668 TQ 5474 PICK BACK UP TO 9300 SHUT DOWN PUMPS RIH THROUGH 9327 FT WITH OUT TAKING WEIGHT
	2:15 3:30	1.25	DRLINT1	13		P	11,640.0	CONT RIH F/ 9327FT TO 11640 FT
	3:30 3:45	0.25	DRLINT1	16		P	11,640.0	WASH F/ 11596 TO 11640 FT
	3:45 6:00	2.25	DRLINT1	15		P	11,640.0	CONDITION & CIRCULATE BTU X 2 115 X 2 STKS 560 BBL PER /MIN PSI=2311 ANN VELOCITY 245 FT PER MIN
3/9/2011	6:00 6:15	0.25	DRLINT1	41		P	11,640.0	PRE TOUR SAFETY MEETING
	6:15 10:30	4.25	DRLINT1	13		P	11,640.0	LAY DOWN 4-1/2" DRILL PIPE F/11640 TO 7503 FT
	10:30 10:45	0.25	DRLINT1	12		P	11,640.0	LUBRICATE RIG GREASE RIG DRAW WORKS
	10:45 18:00	7.25	DRLINT1	13		P	11,640.0	CONT LAYING DOWN DRILL PIPE F/ 7503 TO 1000 FT 10 MIN FLOW CHECK WELL , 5661, 3574, 1518 FT
	18:00 18:15	0.25	DRLINT1	41		P	11,640.0	PRE TOUR SAFETY MEETING [REVIEWED LAYING DOWN DRILL PIPE]
	18:15 18:30	0.25	DRLINT1	13		P	11,640.0	CONT LAYING DOWN DRILL PIPE
	18:30 18:45	0.25	DRLINT1	41		P	11,640.0	HELD SAFETY MEETING [REVIEWED LAYING DOWN BHS EQUIPMENT]
	18:45 21:00	2.25	DRLINT1	13		P	11,640.0	LAYING DOWN BHA TOOLS & EQUIPMENT
	21:00 21:15	0.25	DRLINT1	13		P	11,640.0	PULL WEAR BUSHING
	21:15 23:00	1.75	DRLINT1	14		P	11,640.0	RIG DOWN 4.5 DRILL PIPE TOOLS & EQUIPMENT
	23:00 23:15	0.25	DRLINT1	41		P	11,640.0	HELD SAFETY MEETING W/ RIG CREW & TESCO CSG CREW RIG UP CSG EQUIPMENT AND RUNNING TOOLS
	23:15 1:45	2.50	DRLINT1	49		P	11,640.0	RIG UP TESCO CSG RUNNING EQUIPMENT
	1:45 2:00	0.25	DRLINT1	49		P	11,640.0	PICK UP MAKE UP SHOE TRAC & FLOAT COLLAR
	2:00 2:15	0.25	DRLINT1	15		P	11,640.0	CIRCULATE THROUGH FLOAT COLLAR & SHOE
	2:15 2:30	0.25	DRLINT1	49		P	11,640.0	RIG UP & INSTALL 300 TON ELEVATORS
	2:30 6:00	3.50	DRLINT1	13		P	11,640.0	PICK UP & RUN 7 'CSG FILL CSG EVERY 5 JTS
3/10/2011	6:00 6:15	0.25	DRLINT1	41		P	11,640.0	PRE JOB SAFETY MEETING WITH RIG CREWS AND TESCO
	6:15 16:00	9.75	CASINT1	24		P	11,640.0	RUNNING 7" 29#/FT P-110 LTC CASING. OPTIMUM TORQUE 7970 FT LBS.
	16:00 17:15	1.25	CASINT1	24		P	11,640.0	HOLE NOT DISPLACING PROPERLY. BREAK CIRCULATION AT 5850'. LOSY APPROXIMATELY 100 BBLES, RUNNING WATER, MIXING LCM, GAINED BACK 65 BBL.
	17:15 18:00	0.75	CASINT1	24		P	11,640.0	RUNNING 7" CASING. HOLE DISPLACING PROPERLY.
	18:00 18:15	0.25	CASINT1	41		P	11,640.0	PRE TOUR SAFETY MEETING [RUNNING 7' CSG]
	18:15 0:00	5.75	CASINT1	24		P	11,640.0	CONT RUNNING 7' CSG F/ 6255 TO 8444FT
	0:00 0:15	0.25	CASINT1	47		N	11,640.0	SERVICE & WORK ON TESCO RUNNING TOOL
	0:15 6:00	5.75	CASINT1	24		P	11,640.0	CONT RUNNING 7' CSG F/ 8444 TO 10200 FT PU/WT=240K DWT=198K STRING WT=210K @ 10,000 FT FILL CSG EVERY 10 JTS
3/11/2011	6:00 6:15	0.25	CASINT1	41		P	11,640.0	PRE TOUR SAFETY MEETING WITH TESCO

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	6:15 9:30	3.25	CASINT1	24		P	11,640.0	RUN 7" CASING, WASH LAST 3 JOINTS TO BOTTOM. RAN FLOAT COLLAR (1.83) 1JOINT OF 7" 29# P-110 LTC CASING (46.62) FLOAT COLLAR (1.78) 252 JOINTS OF 7" 29# P-110 LTC CASING. MARKER JOINT (5.75) AT 999. SET AT 11,632' KB. SET AT 11,615 GROUND LEVEL.
	9:30 11:00	1.50	CASINT1	15		P	11,640.0	CIRCULATE CASING ON BOTTOM WORKING PIPE CONTINUOUSLY.
	11:00 14:30	3.50	CASINT1	42		P	11,640.0	RIG OUT TESCO RUNNING TOOL. INSTALL ELEVATOR BALES AND ELEVATORS, CIRCULATING WHILE RIGGING OUT TESCO AND INSTALLING TOOLS.
	14:30 19:15	4.75	CASINT1	25		P	11,640.0	PRE JOB SAFETY MEETING W/ CREWS ON CEMENT JOB. START PUMPING DYED WATER AHEAD PRESSURE TESTED LINES @ 4,000 PSI HAVE GOOD CIRCULATION RESET TOTAL VOL=13,42 BBLS END WATER AHEAD START PUMPING MUD PUSH 11SPACER END MUD PUSH II SPACER RESET TOTAL VOL=21.78 BBLS START MIXING LEAD SLURRY DENSITY 11.0 LB/GAL VERIFIED BY MUD SCALE END LEAD SLURRY RESET VOL=397 BBLS START MIXING TAIL SLURRY DENSITY @ 12.45 END TAIL SLURRY RESET TOTAL VOL=137 BBLS DROP TOP PLUG START DISPLACEMENT RETURNS TO PIT SLOWED LOST RETURNS @ 400 BBLS AWAY END DISPLACEMENT BUMP TOP PLUG @ 428 BBLS END JOB. LANDED HANGER TOTAL VOL=444.89 BBLS FLOATS HELD 3.5 BACK FOR 15 MIN FLOATS FLOWED BACK, SHUT IN HEAD @ 2,500 PSI HOLDING FOR 4 HOURS
	19:15 23:30	4.25	CASINT1	25		P	11,640.0	HOLD 2,500 PSI ON CSG MONITOR PRESSURE FOUR HOURS INCREASE TO 2,900 PSI BLEED BACK 4.2 BBLS
	23:30 2:00	2.50	CASINT1	42		P	11,640.0	RIG DOWN SCHLUMBERGER CEMENT EQUIPMENT & 300 TON ELEVATORS RIG DOWN BALES FROM TOP DRIVE
	2:00 3:30	1.50	CASINT1	27		P	11,640.0	PICK UP & INSTALL 7" PACK OFF ASSEMBLY RIG UP TESTERS TEST PAC/OFF TO 5,000 PSI 10 MIN UNABLE TO HOLD TEST
	3:30 4:30	1.00	CASINT1	48		N	11,640.0	PULL PACK OFF ASSEMBLY INSTALL NEW SEALS ON PACK OFF ASSEMBLY & INSTALL RUN IN LOCK DOWN SCREWS PRESSURE UP TO 5,000 PSI UNABLE TO HOLD TEST
	4:30 6:00	1.50	CASINT1	48		N	11,640.0	PULL PACK OFF ASSEMBLY WASH & FLUSH OUT TBG SPOOL WITH WATER REDRESS PACK OFF ASSEMBLY RIN IN HOLE RUN IN LOCK DOWN SCREWS UNABLE TO HOLE TEST PULL PACK OFF ASSEMBLY FLUSH STACK WITH FRESH WATER
3/12/2011	6:00 6:15	0.25	CASINT1	41		P	11,640.0	PRE JOB SAFETY MEETING
	6:15 9:30	3.25	CASINT1	48		N	11,640.0	PRESSURE TESTING PACK OFF ASSEMBLY. PROBLEMS GETTING SEALS TO HOLD. PUMPED IN TEFLON SEALANT, PRESSURE TESTED TO 5000 PSI, OK
	9:30 12:45	3.25	CASINT1	48		N	11,640.0	RIG UP PRESSURE TESTERS, ATTEMPT TO PRESSURE TEST ANNULAR PREVENTER. WOULD NOT TEST. RIG DOWN PRESSURE TESTERS, PULL TEST PLUG.
	12:45 18:00	5.25	CASINT1	48		N	11,640.0	DISCONNECT FLOWLINE, NIPPLE DOWN ROTATING HEAD, INSTALL HYDRIL TOOL. TRY TO BREAK CAP OM ANNULAR PREVENTER TO CHANGE SEALING ELEMENT.
	18:00 18:15	0.25	CASINT1	29		P	11,640.0	PRE TOUR SAFETY MEETING [N/D ANNULAR & LOWER ON TO GROUND]
	18:15 21:00	2.75	CASINT1	29		P	11,640.0	NIPPLE DOWN ANNULAR
	21:00 21:15	0.25	CASINT1	41		P	11,640.0	PRE JOB SAFETY MEETING [CHANGE OUT PIPE RAMS]
	21:15 0:00	2.75	CASINT1	29		P	11,640.0	CHANGE OUT 4.5 RAMS INSTALL 3.5 RAMS IN 10,000 BOP STACK
	0:00 0:15	0.25	CASINT1	48		N	11,640.0	PRE JOB SAFETY MEETING [PICKING UP ANNULAR NIPPLE UP TORQUE UP

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	0:15 6:00	5.75	CASINT1	48		N	11,640.0	P/U & NIPPLE UP ANNULAR - ROTATING HEAD & MAKE UP FLOW LINE. INSTALL HYD LINES TO ANNULAR FUNCTION TEST ANNULAR INSTALL RAT HOLE
3/13/2011	6:00 6:15	0.25	DRLPRD	48		N	11,640.0	PRE JOB SAFETY MEETING (PRESSURE TESTING)
	6:15 11:15	5.00	DRLPRD	48		N	11,640.0	TRY TO PRESSURE TEST ANNULAR. UNABLE TO TEST. ANNULAR WOULD NOT HOLD ON 250 PSI LOW TEST, WENT TO HIGH TEST. WE COULD PRESSURE UP TO 4000 PSI BUT PRESSURE WOULD FALL QUICKLY WHEN PUMP KICKED OUT. ISOLATED TEST TRUCK, HOLDING. AS PER RECOMMENDATIONS FROM HYDRIL, CLOSED EMPTY ELEMENT WITH 800 PSI ACCUMULATOR PRESSURE AND HELD FOR 5 MINUTES. OPENED ANNULAR AND RAISED ACCUMULATOR PRESSURE TO 1000 PSI, CLOSED AND HELD FOR 5 MINUTES. RAISED ACCUMULATOR HYDRAULIC PRESSURE TO 1500 PSI. TRIED TESTING AGAIN. HELD SOMEWHAT AT 2000 PSI, WORSE AS PRESSURE WAS INCREASED. WOULD NOT HOLD AT ALL AT 4000 PSI.
	11:15 16:30	5.25	DRLPRD	48		N	11,640.0	PJSM WITH CREW, NIPPLE DOWN ROTATING HEAD.
	16:30 17:00	0.50	DRLPRD	48		N	11,640.0	PICK UP 4-1/2" JT OF DRILL PIPE, TRY TO TEST. NO TEST ON LOW SIDE, LOST 350 TO 400 PSI ON HIGH SIDE.
	17:00 18:00	1.00	DRLPRD	48		N	11,640.0	T-3 TECH ON LOCATION, RIG OUT TESTERS, RIG UP TO CHANGE ELEMENT IN ANNULAR.
	18:00 18:15	0.25	DRLPRD	48		N	11,640.0	PRE TOUR SAFETY MEETING ON [CHANGING OUT ANNULAR RUBBER]
	18:15 19:45	1.50	DRLPRD	48		N	11,640.0	CHANGE OUT ANNULAR RUBBER & UPPER CAP SEAL
	19:45 20:15	0.50	DRLPRD	48		N	11,640.0	FCN NEW ANNULAR ELEMENT 12XPRIOR TO PRESSURE TESTING
	20:15 0:00	3.75	DRLPRD	30		P	11,640.0	TEST ANNULAR WITH 1,500 PSI ACCUMULATOR HYD PRESSURE ON RUBBER ELEMENT LOW @ 250 & 4,000 PSI HIGH 10 MIN EACH [GOOD TEST]
	0:00 4:30	3.50	DRLPRD	30		P	11,640.0	CONT TESTING LOWER PIPE RAMS, INSIDE VALVES, HCR VALVES & UPPER PIPE RAMS IBOP / FOSV & BLIND RAMS LOW 250 / 10,000 HIGH 10 MIN EACH
	4:30 5:00	0.50	DRLPRD	30		P	11,640.0	RIG UP & PULL TEST PLUG
	5:00 5:30	0.50	DRLPRD	31		P	11,640.0	TEST 7' CSG 2,500 PSI 30 MIN
	5:30 6:00	0.50	DRLPRD	30		P	11,640.0	NIPPLE UP ROTATING HEAD & FLOW LINE
3/14/2011	6:00 6:15	0.25	DRLPRD	41		P	11,640.0	PRE JOB SAFETY MEETING (NIPPLE UP BOPE)
	6:15 8:30	2.25	DRLPRD	42		P	11,640.0	NIPPLE UP ROTATING HEAD AND FLOWLINE
	8:30 8:45	0.25	DRLSURF	41		P	11,640.0	PRE JOB SAFETY MEETING ON PICKING UP DIRECTIONAL TOOLS
	8:45 11:00	2.25	DRLPRD	42		P	11,640.0	PICK UP DIRECTIONAL TOOLS, ORIENT.
	11:00 13:00	2.00	DRLINT5	57		N	11,640.0	EM TOOL NOT WORKING, CHANGE OUT TOOLS
	13:00 18:00	5.00	DRLPRD	13		P	11,640.0	PICK UP BHA AND 3-1/2" DRILL PIPE AND TRIP IN HOLE. PUMPED THROUGH BHA WITH WATER.
	18:00 18:15	0.25	DRLPRD	41		P	11,640.0	PRE TOUR SAFETY MEETING [PICKING UP DRILL PIPE]
	18:15 22:00	3.75	DRLPRD	13		P	11,640.0	CONT PICKING UP DRILL PIPE F/ 3880 FT TO 8806 FT
	22:00 22:15	0.25	DRLPRD	41		P	11,640.0	HELD BOP DRILL WELL SECURE MEN IN POSITION 100 SEC
	22:15 22:45	0.50	DRLPRD	13		P	11,640.0	FILL DRILL PIPE @ 8806 FT
	22:45 23:00	0.25	DRLPRD	41		P	11,640.0	PRE JOB SAFETY MEETING [CUT & SLIP DRILLING LINE]
	23:00 0:00	1.00	DRLPRD	17		P	11,640.0	CUT AND SLIP DRILLING LINE
	0:00 0:45	0.75	DRLPRD	14		P	11,640.0	MEASURE DRILL PIPE ON PIPE RACK
0:45 3:00	2.25	DRLPRD	13		P	11,640.0	CONT RIH F/ 8806 FT TO 11475 FT TAG TOP OF CEMENT @ 11,475 P/U CIRCULATE	

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	3:00 6:00	3.00	DRLPRD	7		P	11,640.0	CONT TO DRILL CEMENT WHILE SWAP HOLE OVER TO 10.2 PPG MUD DRILL F/ 11,475 FT TO 11,620 FT P/R=70X2=340 GPM ANN VELOCITY=231 FT/PER/MIN FLOW RANGE ON MM=150-350 GPM - RPM RANGE =53-123 SPEED RADIO=0.35 REV REC MAX DIF PRES=648 TQ=7.44 IB/FT/PSI
3/15/2011	6:00 6:15	0.25	DRLPRD	41		P	11,640.0	PRE JOB SAFETY MEETING (FIT)
	6:15 6:30	0.25	DRLPRD	42		P	11,650.0	DRILLING CEMENT, DRILLED 10' OF OPEN HOLE
	6:30 7:30	1.00	DRLPRD	15		P	11,650.0	CIRCULATE BOTTOMS UP FOR F.I.T.
	7:30 8:00	0.50	DRLPRD	33		P	11,650.0	PERFORM FIT. MUD WEIGHT 10.2. ADDED SURFACE PRESSURE 3140 PSI, HELD. LEAKOFF GRADIENT 0.80 WITH AN EQUIVALENT MUD WEIGHT OF 15.38 PPG.
	8:00 10:00	2.00	DRLPRD	7		P	11,650.0	DRILLING 6-1/8" HOLE FROM 11,650 TO 11,699'
	10:00 10:15	0.25	DRLPRD	19		P	11,699.0	BOP DRILL. WELL SECURE IN 100 SECONDS. ALL HANDS IN POSITION 18 SECONDS, HCR 18 SECONDS.
	10:15 17:30	7.25	DRLPRD	7		P	11,699.0	DRILLING 6-1/8" HOLE FROM 11,699' TO 11815
	17:30 18:00	0.50	DRLPRD	7		P	11,815.0	ACCUMULATED CONNECTION AND SURVEY TIME
	18:00 18:15	0.25	DRLPRD	41		P	11,815.0	PRE TOUR SAFETY MEETING 90 FT CONNECTIONS
	18:15 23:30	5.25	DRLPRD	7		P	11,922.0	CONT DRILL 6.125 HOLE F/ 11815 TO 11922 FT
	23:30 0:00	0.50	DRLPRD	7		P	11,922.0	SURVEYS & CONNECTIONS TIMES
	0:00 3:45	3.75	DRLPRD	7		P	11,985.0	CONT DRILL 6.125 HOLE F/ 11,922 TO 11,985 FT
	3:45 4:00	0.25	DRLPRD	12		P	11,985.0	LUBRICATE RIG GREASE BLOCKS SWIVEL TD, DW, FCN, ANNULAR C/O 18 SEC
	4:00 5:30	1.50	DRLPRD	7		P	12,000.0	CONT DRILL F/ 11,985 TO 12,000
	5:30 6:00	0.50	DRLPRD	7		P	12,000.0	SURVEYS & CONNECTIONS
3/16/2011	6:00 6:15	0.25	DRLPRD	41		P	12,000.0	PRE TOUR SAFETY MEETING
	6:15 8:30	2.25	DRLPRD	7		P	12,000.0	DRILL 6 1/8" HOLE FROM 12,000 FT - 12,048 FT.
	8:30 9:00	0.50	DRLPRD	12		P	12,048.0	RIG SERVICE. FUNCTION UPPER PIPE RAMS/ LOWER PIPE RAMS.
	9:00 17:00	8.00	DRLPRD	7		P	12,048.0	DRILL 6 1/8" HOLE FROM 12,048 FT - 12,175 FT.
	17:00 18:00	1.00	DRLPRD	42		P	12,175.0	SURVEYS AND CONNECTIONS
	18:00 18:15	0.25	DRLPRD	41		P	12,175.0	PRE TOUR SAFETY MEETING [LOCK OUT TAG OUT PROCEDURE]
	18:15 22:45	4.50	DRLPRD	7		P	12,238.0	CONT DRILLING 6.125 HOLE F/ 12175 TO 12238 FT
	22:45 23:00	0.25	DRLPRD	12		P	12,238.0	LUBRICATE RIG GREASE BLOCKS SWIVEL ,TD,DW,FCN ANNULAR C/O 18 SEC
	23:00 23:30	0.50	DRLPRD	7		P	12,260.0	DRILL F /12,238 FT TO 12,260 ft
	23:30 0:00	0.50	DRLPRD	7		P	12,260.0	SURVEYS AND CONNECTIONS
	0:00 5:30	5.50	DRLPRD	7		P	12,330.0	CONT DRILL F/ 12260 FT TO 12,330 FT
	5:30 6:00	0.50	DRLPRD	7		P	12,330.0	SURVEY & CONNECTIONS
3/17/2011	6:00 6:15	0.25	DRLPRD	41		P	12,330.0	PRE TOUR SAFETY MEETING - 90 FT CONNECTIONS
	6:15 11:45	5.50	DRLPRD	7		P	12,330.0	DRILL 6 1/8" HOLE FROM 12,330 FT - 12,427 FT
	11:45 12:00	0.25	DRLPRD	12		P	12,437.0	RIG SERVICE. FUNCTION ANNULAR - 16/16 SECONDS
	12:00 17:30	5.50	DRLPRD	7		P	12,437.0	DRILL 6 1/8" HOLE FROM 12,427 FT - 12,540 FT.
	17:30 18:00	0.50	DRLPRD	42		P	12,540.0	SURVEY AND CONNECTION TIME
	18:00 18:15	0.25	DRLPRD	41		P	12,540.0	PRETOUR SAFETY MEETING [MIXING CHEMICALS]
	18:15 20:00	1.75	DRLPRD	7		P	12,556.0	CONT DRILL F/ 12.540 TO 12,556 ft
	20:00 20:15	0.25	DRLPRD	12		P	12,556.0	RIG SERVICE GREASE DW,BLOCKS, FCN ANNULAR 18 SEC HCR 18 SEC
	20:15 5:30	9.25	DRLPRD	7		P	12,685.0	CONT DRILL F/ 12,556 TO 12,685 FT
	5:30 6:00	0.50	DRLPRD	7		P	12,685.0	SURVEYS & CONNECTIONS
3/18/2011	6:00 6:15	0.25	DRLPRD	41		P	12,685.0	PRE TOUR SAFETY MEETING - PICK UP SINGLES/ TRAPPED PRESSURE.
	6:15 10:45	4.50	DRLPRD	7		P	12,685.0	DRILL 6 1/8" HOLE FROM 12,685 FT - 12,743 ft.
	10:45 11:00	0.25	DRLPRD	12		P	12,743.0	RIG SERVICE. FUNCTION ANNULAR 16/16
	11:00 17:30	6.50	DRLPRD	7		P	12,848.0	DRILL 6 1/8" HOLE FROM 12,743 FT - 12,848

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	DRLPRD	7		P	12,848.0	SURVEY & CONNECTIONS	
	18:00 18:15	0.25	DRLPRD	41		P	12,848.0	PRE TOUR SAFETY MEETING [90 FT CONNECTIONS]	
	18:15 20:00	1.75	DRLPRD	7		P	12,873.0	CONT DRILL 6.125 HOLE F/ 12,848 TO 12,873 FT	
	20:00 20:15	0.25	DRLPRD	12		P	12,873.0	RIG SERVICE FCT UPR&LPR 30/30 SEC	
	20:15 5:30	9.25	DRLPRD	7		P	13,000.0	CONT DRILL 6.125 HOLE F/ 12,873 TO 13,000 FT	
	5:30 6:00	0.50	DRLPRD	7		P	13,000.0	SURVEYS & CONNECTIONS	
	3/19/2011	6:00 6:15	0.25	DRLPRD	41		P	13,000.0	PRE TOUR SAFETY MEETING - USE OF TONGS
	6:15 6:30	0.25	DRLPRD	7		P	13,000.0	DRILL 6 1/8" HOLE FROM 13,000 FT TO 13,006 FT.	
	6:30 6:45	0.25	DRLPRD	13		P	13,000.0	TRIP OUT 3 STANDS TO LOOK FOR WASH IN PIPE DUE TO LOSS OF PUMP PRESSURE (3600 PSI @ 01:30 HR, DROPPED TO 2600 PSI W/ PUMP #1/ 2400 W/ PUMP #2 AT 06:30	
	6:45 7:15	0.50	DRLPRD	42		P	13,006.0	TEST SURFACE MUD SYSTEM - NO LEAKS. PREPARE TO TRIP OUT OF HOLE.	
7:15 15:30	8.25	DRLPRD	13		P	13,006.0	TRIP OUT OF HOLE WET FROM 12,776 FT. CLOW CHECK AT 12,776 FT, 6480 FT, 1027 FT. - NO FLOW. CIRCULATED TO TEST FOR PRESSURE (PUMP #2) AT 12,776 FT: 2400 PSI, 9106 FT: 1900 PSI, 7320 FT: 1680 PSI., 5535 FT: 1385 PSI, 3563 FT: 1120 PSI, 1655 FT: 830 PSI. NO WASHOUT NOTED. CHANGE IN PRESSURE MAY HAVE BEEN DUE TO A PLUGGED NOZZLE CLEARING.		
15:30 16:00	0.50	DRLPRD	13		P	13,006.0	BREAK BIT, INSPECT BIT.		
16:00 16:45	0.75	DRLPRD	42		P	13,006.0	WASH RIG FLOOR, PREPARE TO RUN IN HOLE, CHANGE BATTERIES ON MWD		
16:45 17:30	0.75	DRLPRD	13		P	13,006.0	PROGRAM MWD, MAKE UP BIT #24.		
17:30 18:00	0.50	DRLPRD	13		P	13,006.0	MAKE UP BHA.		
18:00 18:15	0.25	DRLPRD	41		P	13,006.0	PRETOUR SAFETY MEETING [TRIPPING]		
18:15 23:45	5.50	DRLPRD	13		P	13,006.0	CONT RIH F/ 934 TO 11,689 FT		
23:45 0:00	0.25	DRLPRD	15		P	13,006.0	CIRCULATE BTU STKS= 97 GPM=235 TOTAL ANN BBLS=417 ANN VELOCITY= 157 FT/PER MIN TOTAL CIRC TIME =76 MIN		
0:00 1:00	1.00	DRLPRD	15		P	13,006.0	CONT CIRCULATE BTU STAND BACK ONE STAND IN DERRICK		
1:00 3:00	2.00	DRLPRD	17		P	13,006.0	CUT & SLIP 700 FT DRILL LINE		
3:00 3:30	0.50	DRLPRD	13		P	13,006.0	CONT RIH F/ 11,689 TO 11,700 FT TAKING WT WOB=11K		
3:30 6:00	2.50	DRLPRD	16		P	13,006.0	CONT TO ROTATE & WASH REAM F/ 11,700 TO 13,006 FT P/R= PUMP 2' MAX PRES= 2544 MIN PRES=2437 MIN TQ=5083 MAX TQ=6866 WOB= 2-15K RTWT=147K STKS=98 GPM=244 MIN DIFF PRES=210. MAX DFF PRES=256		
3/20/2011	6:00 6:15	0.25	DRLPRD	41		P	13,006.0	PRE TOUR SAFETY MEETING - TRIP IN HOLE	
6:15 11:00	4.75	DRLPRD	16		P	13,006.0	ROTATE & WASH REAM F/ 12,397 TO 12,960 FT P/R= PUMP 2' MAX PRES= 3100 MIN PRES=2350 MIN TQ=6500 MAX TQ=7600 WOB= 2-5K RTWT=165K STKS=101 GPM=241 MIN DIFF PRES=120. MAX DFF PRES=1020		
11:00 13:00	2.00	DRLPRD	16		P	13,006.0	REAM FILL FROM 12,960 FT - 13,006 FT. P/R= PUMP #2 MAX PRES= 3242 MIN PRES=2537 MIN TQ=5733 MAX TQ=7600 WOB= 2-10K RTWT=165K STKS=101 GPM=241 MIN DIFF PRES=56. MAX DFF PRES=1020. LAST 10 FT WASHED WITHOUT ANY APPARENT FILL.		
13:00 16:45	3.75	DRLPRD	7		P	13,006.0	DRILL 6 1/8" HOLE FROM 13,006 FT TO 13,060 FT. P/R= PUMP #1 MAX PRES= 3242 MIN PRES=2537 MIN TQ=5733 MAX TQ=7600 WOB= 15K RTWT=165K STKS=101 GPM=241 MIN DIFF PRES=56. MAX DFF PRES=1020.		
16:45 17:00	0.25	DRLPRD	12		P	13,060.0	RIG SERVICE. FUNCTION ANNULAR - 16/16 SECONDS		
17:00 17:45	0.75	DRLPRD	7		P	13,060.0	DRILL 6 1/8" HOLE FROM 13,060 FT TO 13,060 FT. P/R= PUMP #1 MAX PRES= 2880 MIN PRES=2820 MIN TQ=5740 MAX TQ=6311 WOB= 15K RTWT=165K STKS=101 GPM=241 MIN DIFF PRES=208. MAX DFF PRES=280.		

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	17:45 18:00	0.25	DRLPRD	7		P	13,060.0	SURVEY AND CONNECTIONS
	18:00 18:15	0.25	DRLPRD	41		P	13,060.0	PRE TOUR SAFETY MEETING [SETTING AND PULLING HAND SLIPS]
	18:15 0:00	5.75	DRLPRD	7		P	13,165.0	CONT DRILLING 6.123 HOLE F/ 13,060 TO 13,165 ON BOTTOM P/R PUMP 2' STKS=101 GPM=244 WOB=15K PRES=2,850 TQ=5600 FT/LBS DIFF PRES=117.7 -OFF BOTTON P/R PUMP 2' STKS =101 GPM=244 PRES= 2660 TQ=6000 DIFF PRES=47.1 ROP RANGE 9-40 FT/PER HR ANN VELOCITY =242 FT/PER MIN
	0:00 1:00	1.00	DRLPRD	7		P	13,190.0	CONT DRILLING F/ 13,165 TO 13,190 FT
	1:00 1:15	0.25	DRLPRD	12		P	13,190.0	RIG SERVICE FCT UPR&LPR 30.SEC GREASE D./W BAYLOR BREAK SHAFT BLOCKS SWIVEL
	1:15 5:30	4.25	DRLPRD	7		P	13,285.0	CONT DRILLING F/ 13,190 TO 13,285 WOB=15.2K MUD WT 9.7 PPG P/R PUMP=2' STKS=101 GPM=244 OFF BOT TQ=5600- ON BOT TQ=6000 ON BOT DIFF=117.7FT/LBS OFF BOT DIFF=47.8 FT/LBS OPEN HOLE ANN VELOCITY 242 FT/PER MIN
	5:30 6:00	0.50	DRLPRD	7		P	13,285.0	SERVEYS & CONNECTIONS
3/21/2011	6:00 6:15	0.25	DRLPRD	41		P	13,285.0	PRE TOUR SAFETY MEETING - MAKE UP STAND
	6:15 11:45	5.50	DRLPRD	7		P	13,285.0	DRILL 6 1/8" HOLE FROM 13,285 FT - 13,377 FT. RAISE DENSITY FROM 9.7 LB/GAL TO 10.0 LB/GAL AFTER GAS LEVELS SPIKED TO 4125 ON SHOW. BACKGROUND GAS CLIMBED FROM 161 TO 634 UNITS.
	11:45 12:00	0.25	DRLPRD	12		P	13,377.0	RIG SERVICE. FUNCTION ANNULAR - 16/16 SECONDS
	12:00 17:30	5.50	DRLPRD	7		P	13,377.0	DRILL 6 1/8" HOLE FROM 13,377 FT - 13,4XX FT. MIN TQ=6000 MAX TQ=7000 WOB= 15K RTWT=167K STKS=100 GPM=240 MIN DIFF PRES= 46. MAX DFF PRES=3445. PRESSURE ON BOTTOM @ 13,375 FT: 2990 PSI/ ON BOTTOM: 3180 PSI
	17:30 18:00	0.50	DRLPRD	42		P	13,527.0	SURVEY & CONNECTION TIME.
	18:00 18:15	0.25	DRLPRD	41		P	13,527.0	PRE TOUR MEETING [MIX CHEMICALS]
	18:15 22:30	4.25	DRLPRD	7		P	13,601.0	CONT DRILLING F/ 13,527 TO 13,601 FT
	22:30 22:45	0.25	DRLPRD	12		P	13,601.0	SERVICE RIG FCT, UPR,LPR,4 SEC, GREASE BLOCKS & DRAW WORKS
	22:45 0:00	1.25	DRLPRD	7		P	13,613.0	CONT DRILLING F/ 13,601 TO 13,613 FT
	0:00 2:45	2.75	DRLPRD	50		N	13,613.0	WELL STARTED FLOWING 20 BBL INCREASE CLOSED WELL IN MONITOR PRESSURE CSG=198 PSI LINE MWT INCREASE .3 TO A 10.3 PPG PUMP SHORT LOOP SYSTEM CIRCULATE WELL @ STKS=50 CONSTANT DRILL PIPE PRESURE @ 873 PSI SHACKER BOX WAS FLOWING OVER & ONE OF THE 8' FLAIR LINES WAS PLUGED HAD TO STK @ 50 STKS SO NOT TO PUMP FLUID OVER AND OUT OF FLAIR STACK GOT 10.3 RETURNS BACK
	2:45 3:00	0.25	DRLPRD	50		N	13,613.0	CLOSED WELL IN CSG PRESSURE INCREASE OF 80 PSI
	3:00 4:45	1.75	DRLPRD	50		N	13,613.0	SHORT LOOP SYSTEM MUD WT INCREASE .1 TOTAL MUD WT 10.4 PPG PUMP & CIRCULATE @ 100 STKS 3202 PSI DRILL PIPE PRESSURE UNTILL 10.4 PPG RETURNS
	4:45 5:00	0.25	DRLPRD	50		N	13,613.0	CLOSED WELL IN CSG PRESSURE= 72 PSI
	5:00 6:00	1.00	DRLPRD	50		N	13,613.0	RSPP MUD WT INCREASE OF .1 PUMP & CIRCULATE 10.6 PPG
3/22/2011	6:00 6:15	0.25	DRLPRD	41		P	13,613.0	PRE TOUR SAFETY MEETING. - MIXING INTO HOPPER
	6:15 8:15	2.00	DRLPRD	50		N	13,613.0	CIRCULATE THROUGH OPEN CHOKE, INCREASE DENSITY TO 10.6 LB/GAL THROUGH SHORTENED SYSTEM.
	8:15 8:30	0.25	DRLPRD	50		N	13,613.0	CONDUCTED FLOW CHECK THROUGH CHOKE AND ON OPEN ANNULAR. NO FLOW DETECTED.
	8:30 17:45	9.25	DRLPRD	7		P	13,613.0	DRILL 6 1/8" HOLE FROM 13,613 FT TO 13,800 FT WHILE RAISING DENSITY WITH BARITE TO CONTROL FORMATION PRESSURES.
	17:45 18:00	0.25	DRLPRD	42		P	13,800.0	SURVEY AND CONNECTION
	18:00 18:15	0.25	DRLPRD	41		P	13,800.0	PRE TOUR SAFETY MEETING [90 FT CONNECTIONS]

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	18:15 21:15	3.00	DRLPRD	7		P	13,887.0	CONT DRILLING F/ 13,800 TO 13,887
	21:15 21:30	0.25	DRLPRD	12		P	13,887.0	RIG SERVICE FCT , UPR & LPR, 4 SEC GREASE DRAW WORKS BLOCKS TOP DRIVE
	21:30 0:00	2.50	DRLPRD	7		P	13,941.0	CONT DRILLING F/ 13,887 TO 13,941 FT
	0:00 5:30	5.50	DRLPRD	7		P	14,050.0	CONT DRILLING F/ 13,941 TO 14,050
	5:30 6:00	0.50	DRLPRD	7		P	14,050.0	SURVEY & CONNECTIONS
3/23/2011	6:00 6:15	0.25	DRLPRD	41		P	14,050.0	PRE TOUR SAFETY MEETING - OPERATING LOADER
	6:15 18:00	11.75	DRLPRD	7		P	14,050.0	DRILL 6 1/8" HOLE FROM 14,050 FT TO 14,271 FT, WHILE RAISING DENSITY. SLOWED PUMP RATE FROM 100 SPM TO 89 SPM TO REDUCE CIRCULATING PRESSURES. HIGH GAS LEVELS PERSISTED WHILE RAISING MUD DENSITY. TOOK SYSTEM OFF GAS BUSTER PERIODICALLY TO COMPARE LEVELS ON AND OFF THE BUSTER. RAISED DENSITY FROM 13.1 LB/GAL TO 14.2 LB/GAL WHILE DRILLING AHEAD.
	18:00 18:15	0.25	DRLPRD	41		P	14,271.0	PRE TOUR SAFETY MEETING [90 FT CONNECTIONS]
	18:15 18:30	0.25	DRLPRD	12		P	14,271.0	SERVICE RIG FCT UPR & LPR, 4 SEC GREASE BLOCKS , TOP DRIVE , DRAW WORKS BAYOR BREAK
	18:30 0:00	5.50	DRLPRD	7		P	14,340.0	CONT DRILLING F/ 14271 TO 14340 FT PUMP PRESSURE 3271 PSI TQ ON BOTTOM 4600 FT/LBS P/R STKS=87 @213 GPM ANN VELOCITY OF A 211 FT/PER MIN OH - MUD WT 14.2 GPM BRING UP TO A 14.6 PPG INCREASE OF .2 INCREMENTS MUD LOGGER GAS= 1365 UNITS PASON GAS = 3326 UNITS 1 FT FLAIR AT END OF FLAIR STACK
	0:00 5:30	5.50	DRLPRD	7		P	14,420.0	CONT DRILLING F/14,340 TO 14,420 FT PUMP PRESSURE=3200 PSI P/R STKS=86 @210 GPM TQ ON BOTTOM= 4604 FT/LBS ANN VELOCITY 207 FT/PER MIN IN OH INCREASE M/W F/ 14.6 PPG TO A 15.0 PPG A INCREASE OF .2 INCREMENTS MUD LOGGERS GAS=1031 UNITS PASON GAS=1000 UNITS NO FLAIR
3/24/2011	5:30 6:00	0.50	DRLPRD	7		P	14,420.0	SURVEYS & CONNECTIONS
	6:00 6:15	0.25	DRLPRD	41		P	14,420.0	PRE TOUR SAFETY MEETING - MIXING INTO HOPPER
	6:15 8:45	2.50	DRLPRD	7		P	14,420.0	DRILL 6 1/8" HOLE FROM 14,420 FT TO 14,452 FT.
	8:45 9:00	0.25	DRLPRD	12		P	14,452.0	RIG SERVICE. FUNCTION ANNULAR/ HCR - 16/ 2 SECONDS
	9:00 9:15	0.25	DRLPRD	41		P	14,452.0	BOP DRILL - WELL SECURE. CREW IN POSITION IN 90 SECONDS
	9:15 17:30	8.25	DRLPRD	7		P	14,452.0	DRILL 6 1/8" HOLE FROM 14,452 FT - 14,550 FT.
	17:30 18:00	0.50	DRLPRD	42		P	14,550.0	SURVEY AND CONNECTION TIME
	18:00 18:15	0.25	DRLPRD	41		P	14,550.0	PRE TOUR SAFETY MEETING [RIG SERVICE]
	18:15 2:30	8.25	DRLPRD	7		P	14,650.0	CONT DRILLING F/ 14550 TO 14650 ft P/R STKS=87 @212 GPM ANNVELOCITY @ 210 FT/PER MIN PUMP PRESSURE=3389 PSI WOB=47K DIFF PRESS=285 TQ=4444 FT/LBS MUD WT=15.2 PPG MUD LOGGER GAS=19 UNITS PASON GAS=118 UNITS
2:30 6:00	3.50	DRLPRD	15		P	14,650.0	CIRCULATE BTU X 2 WHILE ROTATING & WORKING DRILL PIPE PUMP 1' P/R STKS=86 GPM=209 PUMP PRESSURE =3508 PSI ANN VELOCITY= 207 FT/PER MIN TQ=4065 FT/LBS DIFF PRESS=201MUD/WT 15.2 PPG VIS=47 TOTAL CIRC TIME= 192 MIN	
3/25/2011	6:00 6:15	0.25	DRLPRD	41		P	14,650.0	PER TOUR SAFETY MEETING - TRIP OUT OF HOLE
	6:15 8:45	2.50	DRLPRD	15		P	14,650.0	CIRCULATE AND RAISE MUD DENSITY FROM 15.2 TO 15.4 LB/GAL.
	8:45 10:45	2.00	DRLPRD	13		P	14,650.0	WIPER TRIP TO CASING SHOE - 11,576 FT.
	10:45 11:00	0.25	DRLPRD	12		P	14,650.0	RIG SERVICE, FUNCTION ANNULAR - 16 SECONDS
	11:00 12:30	1.50	DRLPRD	13		P	14,650.0	TRIP IN HOLE. WASH 3 STANDS TO BOTTOM. NO FILL
	12:30 15:30	3.00	DRLPRD	15		P	14,650.0	CIRCULATE BOTTOMS UP X2.
	15:30 18:00	2.50	DRLPRD	13		P	14,650.0	CONT POOH F/ 14650 TO 14205 FT FLOW CHECK WELL NO FLOW CONT POOH TO 11477 FT

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	DRLPRD	41		P	14,650.0	PRE TOUR SAFETY MEETING [POOH]
	18:15 0:00	5.75	DRLPRD	13		P	14,650.0	POOH F/ 11477 TO 823 FT 10 MIN FLOW CHECKS @ 7146 / 3,000 / 1190 FT
	0:00 2:30	2.50	DRLPRD	13		P	14,650.0	BRAKE DOWN LAY DOWN BHA NO 24' 6 1/8 BIT IS 1/16 UNDER GAUGE BIT WAS IN EXCELLENT SHAPE NO CHIPS OR BROKEN BUTTONS THE FLOAT THAT WAS INSTALLED IN SHOCK SUB WAS MISSING ITS SPRING WORKED ITS WAY INTO THE MUD MOTOR
	2:30 4:00	1.50	DRLPRD	11		P	14,650.0	RIG UP HALIBURTON WIRE LINE OPEN HOLE LOGGERS
	4:00 6:00	2.00	DRLPRD	11		P	14,650.0	RUN OPEN LOGGING TOOLS/ 11640 TO 14650 FT 6 1/8 HOLE
3/26/2011	6:00 13:00	7.00	DRLPRD	42		P	14,650.0	TRIP OUT OF HOLE WITH LOGGING TOOL TO CHANGE 5 BLADE CALIPER TOOL. TRIP BACK IN HOLE, LOGGED STOPPED AT 12,120'. TRIP OUT OF HOLE WITH LOGS, LAY DOWN TOOLS. RIG DOWN LOGGERS.
	13:00 13:30	0.50	DRLPRD	12		P	14,650.0	RIG SERVICE
	13:30 16:45	3.25	EVLPRD	62		N	14,650.0	MAKE UP BHA , FILL BHA AND BREAK CIRCULATION, TRIP IN HOLE WITH DRILL PIPE.
	16:45 17:00	0.25	EVLPRD	62		N	14,650.0	BOP DRILL
	17:00 17:45	0.75	EVLPRD	62		N	14,650.0	BREAK CIRCULATION AND CIRCULATE BOTTOMS UP AT 5665.
	17:45 18:00	0.25	EVLPRD	62		N	14,650.0	TRIP IN HOLE FROM 5665' TO 6330 FT.
	18:00 18:15	0.25	EVLPRD	62		N	14,650.0	PRE TOUR SAFETY MEETING - TRIP IN HOLE
	18:15 20:30	2.25	EVLPRD	62		N	14,650.0	TRIP IN HOLE FROM 6330 FT - 11640 FT.
	20:30 21:45	1.25	EVLPRD	62		N	14,650.0	CIRCULATE BOTTOMS UP AT CASING SHOE.
	21:45 23:15	1.50	EVLPRD	62		N	14,650.0	CUT AND SLIP DRILLING LINE.
	23:15 2:30	3.25	EVLPRD	62		N	14,650.0	WASH AND REAM FROM 11,640 FT TO 12,350 FT
	2:30 3:30	1.00	EVLPRD	62		N	14,650.0	TRIP IN HOLE FROM 12,350 FT TO 14,100 FT.
	3:30 6:00	2.50	EVLPRD	62		N	14,650.0	WASH AND REAM LAST 5 STANDS PICK UP 2 SINGLES TO TAG BOTTOM.
3/27/2011	6:00 10:30	4.50	EVLPRD	62		N	14,650.0	CIRCULATE AND CONDITION MUD FOR LOGS, WORKING PIPE CONSTANTLY.
	10:30 13:30	3.00	EVLPRD	62		N	14,650.0	TRIP OUT OF HOLE. TIGHT SPOTS AT 13,177', 13,333', AND 13,390'. (25,000 OVER STRING WEIGHT) PULLED OUT TO CASING SHOE AT 11,625'. FLOW CHECK.
	13:30 16:00	2.50	EVLPRD	62		N	14,650.0	TRIP IN HOLE TO 12,963' AND WASH TO 13,622'. (200' ABOVE FIRST TIGHT SPOT AND 200' BELOW LAST TIGHT SPOT.) WASHED AND REAMED THROUGH ALL BRIDGES UNTIL ABLE TO GO THROUGH WITHOUT TAGGING WITH PUMP OFF.
	16:00 16:30	0.50	EVLPRD	62		N	14,650.0	TRIP IN HOLE TO 14,464'
	16:30 16:45	0.25	EVLPRD	62		N	14,650.0	WASH LAST 2 STANDS TO BOTTOM FROM 14,464' TO 14,650'.
	16:45 18:00	1.25	EVLPRD	62		N	14,650.0	CIRCULATE AND CONDITION MUD FOR LOGS, WORKING PIPE CONTINUOUSLY.
	18:00 18:15	0.25	EVLPRD	62		N	14,650.0	PRE TOUR SAFETY MEETING - TRIP OUT OF HOLE
	18:15 20:45	2.50	EVLPRD	62		N	14,650.0	PUMP HEAVY PILL, TRIP OUT FROM 14,650 FT TO 11,544 FT. FLOW CHECKS AT 14,556 FT, 14,178 FT, AND 11,544 FT.
	20:45 21:00	0.25	EVLPRD	62		N	14,650.0	BOP DRILL - WELL SECURED IN 100 SECONDS. ALL HANDS IN PLACE. FUNCTION ANNULAR - 18 SECONDS.
	21:00 0:00	3.00	EVLPRD	62		N	14,650.0	TRIP OUT OF HOLE FROM 11,544 FT TO 6,500 FT. FLOW CHECK 7,118'
	0:00 4:30	4.50	EVLPRD	62		N	14,650.0	TRIP OUT FROM 6,500 FT TO 0 FT. FUNCTION BLIND RAMS.
	4:30 5:00	0.50	EVLPRD	62		N	14,650.0	CLEAN RIG FLOOR, LOAD CAT WALK WITH LOGGING TOOLS.
	5:00 5:15	0.25	EVLPRD	41		P	14,650.0	SAFETY MEETING W/ LOGGERS
	5:15 6:00	0.75	EVLPRD	42		P	14,650.0	RU LOGGERS FOR WIRELINE LOGS. HOLE FILL PUMP RUNNING.
3/28/2011	6:00 6:15	0.25	DRLPRD	41		P	14,650.0	PRE TOUR SAFETY MEETING
	6:15 11:45	5.50	DRLSURF	42		P	14,650.0	LOG WITH HALLIBURTON WIRELINE. LOGGER'S TD 14,363'. RAN TRIPLE COMBO WITH 6 BLADE CALIPER.

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	DRLPRD	42		P	14,650.0	RIG DOWN HALLIBURTON WIRELINE
	13:15 18:00	4.75	DRLPRD	13		P	14,650.0	MAKE UP BIT AND BHA AND TIH. FILLED BHA AND BROKE CIRCULATION. TRIP IN HOLE TO 5500', FILL PIPE, BREAK CIRCULATION. TRIP IN HOLE TO 8685'.
	18:00 18:15	0.25	DRLPRD	41		P	14,650.0	PRE TOUR SAFETY MEETING. - TRIP IN HOLE.
	18:15 19:15	1.00	DRLPRD	13		P	14,650.0	TRIP IN HOLE FROM 8685 FT - 11,623 FT.
	19:15 20:30	1.25	DRLPRD	15		P	14,650.0	CIRCULATE BOTTOMS UP AT 7" CASING SHOE.
	20:30 23:30	3.00	DRLPRD	13		P	14,650.0	TRIP IN HOLE FROM 11,623 FT - 14,650 FT. BREAK CIRCULATION EVERY 10 STANDS. WASH LAST 3 STANDS TO BOTTOM.
	23:30 0:00	0.50	DRLPRD	15		P	14,650.0	CIRCULATE ON BOTTOM PRIOR TO TRIPPING OUT.
	0:00 3:00	3.00	DRLPRD	52		N	14,650.0	CIRCULATE & WORK PIPE. MIX LCM, CONDITION MUD.
	3:00 6:00	3.00	DRLPRD	52		N	14,650.0	CIRCULATE AND CONDITION MUD. WORK DRILL STRING, BUILD VOLUME.
3/29/2011	6:00 6:15	0.25	DRLPRD	41		P	14,650.0	PRE JOB SAFETY MEETING.
	6:15 9:45	3.50	DRLPRD	15		P	14,650.0	CIRCULATE AND CONDITION MUD
	9:45 16:45	7.00	DRLPRD	13		P	14,650.0	PJSM, PUMP TRIP PILL, TRIP OUT OF HOLE TO RUN 4-1/2" LINER.
	16:45 17:00	0.25	DRLPRD	12		P	14,650.0	RIG SERVICE. FUNCTION ANNULAR PREVENTER - 18 SECONDS.
	17:00 18:00	1.00	DRLPRD	13		P	14,650.0	LAY DOWN DRILL COLLARS.
	18:00 18:15	0.25	DRLPRD	41		P	14,650.0	PRE TOUR SAFETY MEETING. - LAY DOWN DRILL COLLARS
	18:15 19:00	0.75	DRLPRD	14		P	14,650.0	LAY DOWN DRILL COLLARS, TBR'S AND JARS. FUNCTION UPPER PIPE RAMS, LOWER PIPE RAMS AND BLIND RAMS.
	19:00 19:30	0.50	CASPRD1	24		P	14,650.0	CLEAN RIG FLOOR PRIOR TO RIG UP CASING CREW.
	19:30 19:45	0.25	CASPRD1	41		P	14,650.0	SAFETY MEETING PRIOR TO RIGGING UP POWER TONGS.
	19:45 20:15	0.50	CASPRD1	24		P	14,650.0	RIG UP CASING CREW W/ POWER TONGS.
	20:15 20:30	0.25	CASPRD1	41		P	14,650.0	SAFETY MEETING ON RUNNING 4 1/2" LINER.
	20:30 1:30	5.00	CASPRD1	24		P	14,650.0	RUN 78 JOINTS AND 1 MARKER JOINT OF 4 1/2" 15.1 LB/FT, P-110 LT&C CASING, TALLY 3,217.47 FT PLUS 22.05 FT VERSAFLEX LINER HANGER. INSTALLED HALLIBURTON FLOAT SHOE, 3 JOINT SHOE TRACK, HALLIBURTON FLOAT COLLAR AND HALLIBURTON LATCH COLLAR - ALL LOCKED WITH THREADLOCK/ EPOXY. INSTALLED 41 DAVIS-LYNCH SPIRALIZERS. (LOCKED IN MIDDLE OF JOINTS 1,2,3. FLOATED ON EVERY 2ND JOINT THEREAFTER.) FILLED CASING EVERY FIVE JOINTS. MAKE UP FOR CASING STRING: OPTIMUM - 4400 FT/LBS. MAXIMUM - 5500 FT/LBS, MINIMUM - 3300 FT/LBS.
	1:30 2:15	0.75	CASPRD1	24		P	14,650.0	LOAD CASING HANGER ON CATWALK AND INSTALL IN STRING.
	2:15 2:30	0.25	CASPRD1	41		P	14,650.0	SAFETY MEETING ON TRIPPING IN HOLE W/ VERSAFLEX TOOL, WHILE DRIFTING STANDS OF PIPE FROM THE DERRICK.
	2:30 3:30	1.00	CASPRD1	24		P	14,650.0	RUN ONE STAND, TO 3347 FT. INSTALL ROTATING RUBBER. DRIFT STAND IN DERRICK. PREPARE TO CIRCULATE.
	3:30 4:00	0.50	CASPRD1	24		P	14,650.0	CIRCULATE 2X LINER VOLUME AT 60 SPM/ 149 GPM, ANNULAR VELOCITY OF 210 FT/MIN IN OPEN HOLE.
	4:00 6:00	2.00	CASPRD1	24		P	14,650.0	TRIP IN HOLE FROM 3347 FT - 5,000 FT. FILL EVERY 10 STANDS. DRIFT ON THE WAY IN THE HOLE.
3/30/2011	6:00 6:15	0.25	CASPRD1	41		P	14,650.0	PRE TOUR SAFETY MEETING
	6:15 18:00	11.75	CASPRD1	24		P	14,650.0	TRIP IN HOLE WITH 4-1/2" LINER, FILLING EVERY 10 STANDS. RUNNING IN HOLE AT A RATE OF 45' / MINUTE. BREAK CIRCULATION AT 7950, 9824, AND 11,621. CIRCULATE BOTTOMS UP AT 7" CASING SHOE AND CONDITION MUD.
	18:00 18:15	0.25	CASPRD1	41		P	14,650.0	PRE TOUR SAFETY MEETING - TRIP IN HOLE.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	18:15 20:30	2.25	CASPRD1	24		P	14,650.0	TRIP IN HOLE WITH 4-1/2" LINER, FILLING EVERY 10 STANDS. RUNNING IN HOLE AT A RATE OF 45' / MINUTE. CIRCULATE EVERY 10 STANDS, AND WASH LAST 3 STANDS TO BOTTOM. TAG BOTTOM AT 14650 FT. RAN FLOAT SHOE (0.95) 3 JOINTS OF 4-1/2" 15.10 PPF P-110 LTC CASING (124.24) 60 JOINTS OF 4-1/2" 15.10 PPF P-110 LTC CASING (2471.35) 1 MARKER JOINT (TL 19.74, SET AT 11,401KB, 11,390 GL) 15 JOINTS OF 4-1/2" 15.10 PPF P-110 LTC CASING (601.19) 1 VERSAFLEX LINER HANGER (22.05) TOP OF LINER SET AT 11,401.48 KB AND 11,384.48 GL.
	20:30 0:30	4.00	CASPRD1	15		P	14,650.0	CONDITION MUD AND CIRCULATE WHILE WORKING DRILL STRING. SCHLUMBERGER ON LOCATION, RIGGING IN FOR CEMENT JOB. RIG IN HALLIBURTON CEMENT HEAD. CIRCULATE THROUGH CEMENT HEAD.
	0:30 0:45	0.25	CASPRD1	41		P	14,650.0	PRE JOB SAFETY MEETING PRIOR TO CEMENTING.
	0:45 1:00	0.25	CASPRD1	25		P	14,650.0	PREPARE FOR CEMENT JOB BY PRE-MIXING MUD PUSH II AND 17.0 LB/GAL CEMENT SLURRY. RIG CREW FILLING TANK #1 WITH CLEAN, NEW, 15.4 LB/GAL SO THAT THE DISPLACEMENT CAN BE WITH CURRENT MUD DENSITY.
	1:00 3:00	2.00	CASPRD1	25		P	14,650.0	CIRCULATE & WORK STRING WHILE BATCH MIXING MUD PUSH AND CEMENT SLURRY.
	3:00 5:00	2.00	CASPRD1	25		P	14,650.0	PRESSURE TEST SURFACE EQUIPMENT, THEN COMMENCE PUMPING VOLUMES AS PER CEMENTING PROGRAM. PLUG BUMPED AT 04:38 HR, MARCH 30, 2011. FULL RETURNS THROUGHOUT. CEMENT WITH 40 BBLS. OF 15.80 PPG MUD PUSH II, 98.6 BBLS (302.5 SKS) OF 17 PPG "G" CEMENT, 10.0 BBLS OF 15.80 PPG MUDPUSH II, 30 BBLS. OF 15.4 PPG DRILLING MUD, 10 BBLS. OF 15.80 PPG MUDPUSH II, AND 78 BBLS OF 15.4 PPG DRILLING MUD. BUMPED PLUG AT 05:42. PRESSURE PRIOR TO BUMPING 2585, PRESSURED TO 3085. HELD PRESSURE FOR 10 MINUTES AND FLOWED BACK 0.5 BBLS. FLOATS HELD.
	5:00 5:30	0.50	CASPRD1	25		P	14,650.0	DROP BALL AND PUMP TO SET LINER HANGER. BURST DISC AT 5506 PSI. LINER SET AT 6500 PSI.
	5:30 6:00	0.50	CASPRD1	25		P	14,650.0	CONFIRM LINER SET WITH 100,000# OVERPULL. SET WEIGHT DOWN TO 50,000# SHEARED HANGER. PULLED OUT OF LINER. PREPARE TO CIRCULATE FLUID FROM CEMENT JOB TO SURFACE.
3/31/2011	6:00 6:15	0.25	CASPRD1	39		P	14,650.0	PRE JOB SAFETY MEETING
	6:15 8:30	2.25	CASPRD1	25		P	14,650.0	CIRCULATE BOTTOMS UP X2 WHILE RECIPROCATING PIPE. CIRCULATED 15 BBLS OF CEMENT TO SURFACE.
	8:30 10:00	1.50	CASPRD1	31		P	14,650.0	PRESSURE TEST TOP OF LINER 1500 PSI FOR 10 MINUTES, HELD.
	10:00 12:00	2.00	CASPRD1	42		P	14,650.0	DISPLACE 15.40 PPG MUD WITH FRESH WATER FOR NEGATIVE TEST.
	12:00 12:30	0.50	CASPRD1	41		P	14,650.0	PRE JOB SAFETY MEETING WITH HALLIBURTON AND SCHLUMBERGER.
	12:30 14:00	1.50	CASPRD1	42		P	14,650.0	RIG OUT SCHLUMBERGER.
	14:00 18:00	4.00	CASPRD1	13		P	14,650.0	LAY DOWN DRILL PIPE.
	18:00 18:15	0.25	CASPRD1	41		P	14,650.0	PRE TOUR SAFETY MEETING - LAY DOWN DRILL PIPE
	18:15 19:00	0.75	CASPRD1	13		P	14,650.0	RUN IN STANDS FROM DERRICK.
	19:00 2:15	7.25	CASPRD1	13		P	14,650.0	LAY DOWN DRILL PIPE
	2:15 3:30	1.25	CASPRD1	42		P	14,650.0	SAFETY MEETING FOR RUNNING BRIDGE PLUG. POSITION WIRELINE TRUCK, RIG TO RUN WIRELINE. PICK UP BRIDGE PLUG.
	3:30 4:15	0.75	CASPRD1	42		P	14,650.0	RUN BRIDGE PLUG. SET BAKER WIRELINE BRIDGE PLUG AT 2000 FT GROUND LEVEL. (2017 FT KB)

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
4/1/2011	4:15 5:00	0.75	CASPRD1	30		P	14,650.0	TEST BRIDGE PLUG - 1500 PSI FOR 10 MINUTES. GOOD TEST.
	5:00 6:00	1.00	CASPRD1	23		P	14,650.0	CHANGE PIPE RAMS TO FIT 4.5" DRILL PIPE.
	6:00 6:15	0.25	CASPRD1	41		P	14,650.0	PRE JOB SAFETY MEETING
	6:15 9:30	3.25	RDMO	42		P	14,650.0	CHANGE RAMS FROM 3-1/2" TO 4-1/2"
	9:30 10:30	1.00	RDMO	42		P	14,650.0	FLUSH MANIFOLD LINE & KILL LINE W/WATER AND BLOW WITH AIR AND CLEAN MUD TANKS.
	10:30 12:30	2.00	RDMO	42		P	14,650.0	CLEAN AND REMOVE CATCH PAN AND REMOVE FLOW LINE AND ROTATING HEAD.
	12:30 18:00	5.50	RDMO	42		P	14,650.0	NIPPLE DOWN BOP'S (WEATHERFORD BROKE WRENCH WHILE TRYING TO LOOSEN NUTS ON BOLTS). TEAR OUT FLARE LINES FROM GAS BUSTER TO FLARE TANK
	18:00 18:15	0.25	RDMO	41		P	14,650.0	PRE TOUR SAFETY MEETING - NIPPLE DOWN BOP
	18:15 19:45	1.50	RDMO	42		P	14,650.0	LAY DOWN KILL LINE AND ANNULAR PREVENTER
	19:45 21:00	1.25	RDMO	42		P	14,650.0	SPLIT RAMS AND LAY DOWN DOUBLE GATE AND SINGLE GATE
	21:00 21:45	0.75	RDMO	42		P	14,650.0	REMOVE B-SECTION, INSTALL ELEVATORS AND PULL PACKOFF.
	21:45 23:15	1.50	RDMO	42		P	14,650.0	INSTALL TUBING HANGER AND TEST TO 5,000 PSI FOR 15 MINUTES. TEST GOOD.
	23:15 0:00	0.75	RDMO	42		P	14,650.0	INSTALL NIGHT CAP, RIG DOWN KELLY HOSE, BALES, SAVER SUB.
	0:00 2:30	2.50	RDMO	42		P	14,650.0	BREAK DOWN TOP DRIVE FOR LOAD PATH INSPECTION.
2:30 6:00	3.50	RDMO	42		P	14,650.0	RIG DOWN TOP DRIVE.	
4/2/2011	6:00 6:15	0.25	RDMO	41		P	14,650.0	PRE JOB SAFETY MEETING
	6:15 9:45	3.50	RDMO	02		P	14,650.0	RIG OUT SERVICE LOOP.
	9:45 16:30	6.75	RDMO	02		P	14,650.0	RIG OUT TO LOWER DERRICK
	16:30 16:45	0.25	RDMO	02		P	14,650.0	HELD SAFETY MEETING - LOWERING DERRICK.
	16:45 18:00	1.25	RDMO	02		P	14,650.0	INSPECT TURNBUCKLES, BAYLOR BRAKE IN & CABLES & LOWER DERRICK AND BLOCKS.
	18:00 18:15	0.25	RDMO	02		P	14,650.0	PRE TOUR SAFETY MEETING - WORKING AT HEIGHTS & FALL PROTECTION
	18:15 0:00	5.75	RDMO	02		P	14,650.0	SPOOL DRILLING LINE & WINCH LINES. DRESS OUT DERRICK, RIG OUT DRAWWORKS AND SUBSTRUCTURE.
	0:00 6:00	6.00	RDMO	67		P	14,650.0	WAIT ON DAYLIGHT. RIG RELEASED AT 06:00 HR, APRIL 2, 2011.

1 General

1.1 Customer Information

Company	WESTERN
Representative	
Address	

1.2 Well Information

Well	KILLIAN 3-12A1		
Project	ALTAMONT FIELD	Site	KILLIAN 3-12A1
Rig Name/No.	PEAK/700, PEAK/700, PEAK/700	Event	COMPLETION LAND
Start Date	4/26/2011	End Date	
Spud Date	8/26/2010	UWI	KILLIAN 3-12A1
Active Datum	KB @5,631.0ft (above Mean Sea Level)		
Afe No./Description	146730/37931 / KILLIAN 3-12A1		

2 Summary

2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
4/26/2011	6:30 7:00	0.50	WBP	28		P		HOLD SAFETY MTNG,(ROADING RIG, RIGGING UP). PERFORM JSA'S.
	7:00 12:00	5.00	MIRU	01		P		ROAD RIG FROM 2-13B2, TO KILLIAN 3-12A1. SPOT IN EQUIPMENT. (PMP & TNK, CAT WALK, PIPE RACKS.) MIRU.
	12:00 13:30	1.50	WBP	16		P		NIPPLE UP BOPE. RU WORK FLOOR.
	13:30 14:30	1.00	WBP	57		P		UNLOAD 370 JNTS 2 7/8" N-80 EUE TBNG. 100 JNTS 2 3/8" N-80 EUE TBNG.
	14:30 16:00	1.50	WBP	39		P		TALLY PIPE, TIH WITH RETRIEVING HEAD, AND 64 JNTS 2 7/8" N-80 EUE TBNG. LATCH ON AND RELEASE 7" BAKER RBP. @ 2,011'.
	16:00 17:00	1.00	WBP	39		P		POOH W/ 64 JNTS 2 7/8" EUE TBNG. RETRIEVING HEAD AND 7" BAKER RBP. SECURE WELL. S.D.F.N.
4/27/2011	6:30 7:00	0.50	WBP	28		P		HELD SAFETY MTNG (PU DRILL COLLARS, AND TUBING). PERFORM JSA'S.
	7:00 9:30	2.50	WBP	39		P		RUN PUMP LINES. TALLY AND PICK UP C/O ASSEMBLY. TIH W/ 3 5/8" ROCK BIT, 3 1/4" JUNK BASKETT, X-O 2 3/8" REG X 2 3/8" PAC, 4- 2 7/8" DRILLCOLLERS, X-O SUB 2 3/8" PAC X 2 3/8" EUE. TALLY & TIH PU 100 JNTS 2 3/8" N-80 EUE TBNG. X-O 2 3/8" X 2 7/8" EUE. CHANGE OVER TO 2 7/8" TBNG EQUIP. EOT @ 3,2875.
	9:30 10:30	1.00	WBP	06		P		REVERSE CIRC. W/ 30 BBLS 2% KCL WTR. (CLEAN RETURNS).
	10:30 14:00	3.50	WBP	39		P		RIH OUT OF DERRICK W/ 64 JNTS 2 7/8" EUE TBNG. TALLY, PU & TIH W/ 192 JNTS 2 7/8" EUE TBNG. TAG LINER TOP ON JNT #256, @11,401'. CONTINUE IN HOLE W/ 11 JNTS 2 7/8" EUE TBNG. EOT @ 11,747'.
	14:00 15:00	1.00	WBP	06		P		REVERSE CIRC. W/ 65 BBLS 2% KCL WTR. HAD HEAVY MUD @ BOTOMS UP. (CIRC UNTIL CLEAN RETURNS).
	15:00 16:00	1.00	WBP	39		P		CONT IN HOLE PU 35 JNTS 2 7/8" EUE TBNG. EOT @ 12,877'.
4/28/2011	16:00 18:00	2.00	WBP	06		P		REVERS CIRC. W/ 115 BBLS 2% KCL WTR. (CIRC UNTIL CLEAN RETURNS). SECURE WELL. S.D.F.N.
	6:30 7:00	0.50	WBP	28		P		HELD SAFETY MTNG, (WORKING WITH POWER SWIVEL).FILL OUT & REVIEW JSA

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	7:00 8:00	1.00	WBP	39		P		OPEN UP WELL, CONTINUE IN HOLE PU 35 JNTS 2 7/8" EUE TBNG TO 13,981'.
	8:00 9:00	1.00	WBP	06		P		RU PMP LINES. REVERSE CIRC. WITH 125 BBLS 2% KCL WTR. UNTIL GETTING CLEAN RETURNS.
	9:00 14:00	5.00	WBP	72		P		CONTINUE IN HOLE PU 16 JNTS 2 7/8" EUE TBNG. TAG FILL @ 14,502'. RU POWER SWIVEL. DRILL OUT 11' OF FILL. AND TAG UP ON FLOAT COLLAR @ 14,513. DILL OUT FLOAT COLLAR. CONTINUE IN HOLE DRILLING CEMENT TO (PBD) @ 14,626'. 15' ABOVE FLOAT SHOE @ 14,641'.
	14:00 16:30	2.50	WBP	06		P		CIRCULATE HOLE CLEAN WITH 460 BBLS OF 2% KCL WATER.
	16:30 18:00	1.50	WBP	39		P		RACK OUT POWER SWIVEL. POOH LD 33 JNTS 2 7/8" N-80 EUE TBNG. EOT @13,604'. SECURE WELL. S.D.F.N.
4/29/2011	6:30 7:00	0.50	WBP	28		P		HELD SAFETY MNTG. (LAYING DOWN TUBING AND DRILL COLLERS). PERFORMED JSA'S.
	7:00 15:00	8.00	WBP	24		P		OPEN UP WELL. EOT @ 13,604'. CONTINUE POOH LD 325 JNTS 2 7/8" N-80 EUE TBNG. X-O 2 7/8" EUE X 2 3/8" EUE. X-O FOR 2 3/8" TBNG EQUIP. CONTINUE LD 100 JNTS 2 3/8" N-80 EUE WORK STRING. X-O 2 3/8" EUE X 2 3/8" PAC. LD 4- 2 7/8" DRILL COLLARS. X-O SUB 2 3/8" PAC X 2 3/8" REG. 3 1/4" JUNK BASKET. 3 5/8" ROCK BIT. SECURE WELL. S.D.F.N.
4/30/2011	6:30 7:00	0.50	WBP	28		P		HELD SAFETY MTNG (WIRE LINE WORK). PERFORMED JSA'S.
	7:00 14:00	7.00	WLWORK	22		P		RU LONE WOLF WIRE LINE EQUIPMENT. OPEN UP WELL. RIH W/ 4 1/2" CASING BOND LOGGING TOOLS. TAGGED BOTTOM @ 14,628', FILL CASING W/ 30 BBLS 2% KCL WTR. AND HOLD 1,000# ON CASING. BEGAN LOGGING 4 1/2" 15.1# CSNG. UP TO LINER TOP @11,401'. POOH W/ 4 1/2" LOGGING TOOLS. PU 7" BOND LOGGING TOOLS. RIH TO LINER TOP. BOND LOG 7" CASING FROM 11,401' TO TOP OF GOOD CEMENT @ 5,950'. POOH. RD WIRE LINE EQUIP.
	14:00 15:30	1.50	WBP	16		P		ND 5K BOPE. INSTALL 10K FLANGED CAP. SHUT IN WELL.
	15:30 17:00	1.50	RDMO	02		P		R.D.M.O. ROAD RIG TO HORROCKS 4-20A1. S.D.F.W.E. SUSPEND EVENT.
5/4/2011	6:00 7:30	1.50	STG01	18		P		CT TGSM & JSA W/ RIG 1 (NU BOPS)
	7:30 10:30	3.00	STG01	16		P		CSIP @ 0# PSI N/D BLIND FLANGE, NU 10K BOPS. SWIFN
	10:30 11:30	1.00	STG01	18		P		RU FLOW BACK LINES
	11:30 6:00	18.50	STG01	18		P		PREP LOCATION FOR FRAC
5/5/2011	6:00 9:00	3.00	STG01	18		P		MOL W/ QUICK TEST & ADLER HOT OIL UNIT. TGSM (TESTING TBG)
	9:00 11:00	2.00	STG01	09		P		PRESSURE TEST CASING TO 9500# PSI FOR 30 MIN. BTM OF A FLANGE (WELDED TO 9-5/8" WAS LEAKING)
	11:00 14:00	3.00	STG01	47				MOL W/ RT WELDER REWELD A FLANGE TO 9-5/8"
	14:00 15:00	1.00	STG01	09				RETEST TO 9500# PSI, TEST SURFACCE CSG TO 1500# PSI. SWIFN
	15:00 6:00	15.00	STG01	18				CONT PREPING FOR FRAC
5/6/2011	6:00 9:00	3.00	STG01	28		P		CT TGSM & JSA (PERFORATING)
	9:00 11:00	2.00	STG01	21		P		RIH W/ 2-3/4" HSC GUN W/ 3 JSPF, 15 GM CHARGES, 120* PHASING. PERFORATE UNDER 1000 PSIG SURFACE PRESSURE. 14,545 TO 14,319' 25 NET FT 75 HOLES. NO PRESSURE CHANGES.
	11:00 13:00	2.00	MIRU	01		P		SWIFN, RDMOL W/ LONE WOLF WIRE LINE UNIT.
5/7/2011	6:00 6:00	24.00	STG01	18		P		PREP LOCATION FOR FRAC, CONSULTANT QUARTERLY SAFETY MEETING.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
5/8/2011	6:00 8:00	2.00	STG01	28		P		MOL W/ STINGER WELL HEAD PROTECTION EQ., TGSM & JSA NU.
	8:00 11:30	3.50	STG01	16		P		CSIP @ 0# PSI. NU STINGER WELL HEAD PROTECTION. SWIFN.
	11:30 6:00	18.50	STG01	18		P		CONT PREPING LOCATIO FOR FRAC.
5/9/2011	6:00 8:00	2.00	STG01	28		P		MOL W/ ACTION FRAC HEATING EQ., TGSM & JSA (HEATING WATER)
	8:00 18:00	10.00	STG01	18		P		HEAT WTR FOR FRAC.
	18:00 6:00	12.00	STG01	18		P		PREP FOR FRAC.
	18:00 18:00	0.00	STG01	18		P		NOTIFIED BY SCHLUMBURDER UNABLE TO FINISH FRAC ON CURRENT LOCATION WILL NOT HAVE FRAC CREW AVAILABLE UNTIL 5/10 OR 11/ 2011
5/10/2011	6:00 6:00	24.00	STG01	18		P		WAITING ON SCHLUMBURGER FRAC EQ.,
5/11/2011	6:00 9:00	3.00	STG01	28		P		MOL W/ RIG 1 SAFETY MEETING AND JSA (RU FRAC MANIFOLD)
	9:00 12:00	3.00	STG01	18		P		RIG UP SCHLUMBURGER FRAC MANIFOLD, RU FLOW BACK LINES TO STINGER WELL HEAD PROTECION. MOL W/ RIG 1
	12:00 13:00	1.00	STG01	28		P		MOL W/ WILLIES FRAC HEATING EQ., SAFETY MEETING & JSA (HEATING WATER)
	13:00 6:00	17.00	STG01	18		P		HEAT WATER FOR FRAC
5/12/2011	6:00 9:30	3.50	STG01	18		P		WAIT ON SCHLUMBURGER TO ARRIVE ON LOCATION.
	9:30 10:30	1.00	STG01	28		P		SFAETY MEETING AND JSA (USE SPOTTER SPOTING IN EQ.,)
	10:30 14:30	4.00	STG01	18		P		BEGIN RU FRAC EQ.,
	14:30 6:00	15.50	STG01	18		P		CREW TRAVELED TO PICK UP REMAINING FRAC EQ.,
5/13/2011	6:00 12:00	6.00	STG01	18		P		MOL W/ REMAINING FRAC EQ., RU HELD SAFETY MEETING FILL OUT JSA TOPIC HIGH PRESSURE SYSTEMS PUMPING HIGH PRESSURE
	12:00 17:30	5.50	STG01	42		P		WAIT ON CHEMICAL & REMAINING EQ., TO RIG UP
	17:30 19:00	1.50	STG01	35		P		BREAK DOWN STAGE 1 PERFS @ 9075 PSIG @ 17.3 BPM, TREAT STAGE 1 PERFS W/ 5000 GAL 15% HCL FLUSH 10 OVER BTM PERF, AVE RATE 24.9, AVE PRES @ 8675, MAX RATE 39.5 BPM MAX PRES @ 8950. ISDP @ 7150 5 MIN 7004 10 MIN @ 6970 15 MIN @ 6951.
	19:00 20:30	1.50	STG01	35		P		TREAT STAGE 1 PERFS W/ 8100# 100 MESH IN 1/2 PPG STAGE & 114,300# 20/40 IN 1,2,&3 PPG STAGES, FLUSH TO TOP PERF. ISDP @ 7300, 5 MIN @ 7254 10 MIN @ 7251 15 MIN @ 7255. FRAC GRAD .94 AVE RATE @ 40.5 AVE PRES @ 8393 MAX PRES @ 10018 SWI TOT WIRE LINE.
	20:30 0:00	3.50	STG02	26		P		RIH W/ 4.5 WCS COMPOSIT PLUG TO 12,500' C/NOT WORK PLUG DOWN. POOH SETTING TOOL FULL OF GEL SWIFN CSDFN CT.
	0:00 6:00	6.00	STG02	18		P		PREP LOCATION FOR STAGES 2 THRU 4
5/14/2011	6:00 9:00	3.00	STG02	26		P		TGSM & JSA W/ LONE WOLF WIRE LINE CREW & STINGER WELL HEAD PROTECTION (WORKING W/ WIRE LINE AND PRESSURE.) CSIP @ 7200# PSI, RIH W/ WCS 12 K 4.5 CBP STACK OUT ON FRAC GEL @ 10,550'. TGSM & JSA W/ SCHLUMBERGER PUMPING DOWN WELL W/ WIRE LINE. FLUSH W/ 60 BBLS KCL @ 3.5 BPM @ 7400# PSI. CONT RIH SET & TEST PLUG @ 14,298'.
	9:00 10:30	1.50	STG02	21		P		RIH W/ 2-3/4" HSC GUNS 3 JSPF 15 GM CHARGES AND PERFORATE 23 NET FT 69 HOLES 14826' TO 14082'. NO PRESSURE INCREASES. SWI TOT FRAC CREW.
	10:30 11:30	1.00	STG02	35		P		BREAK DOWN STAGE 2 PERFS @ 14.1 BPM @ 7125 PSIG TREAT STAGE 2 PERFS W/ 5000 GAL 15% HCL FLUSH 10 OVER BTM PERF. ISDP @ 7260 5 MIN @ 7205 10 MIN @ 7182 15 MIN @ 7175. FRAC GRAD @ .95

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	11:30 13:30	2.00	STG02	35		P		TREAT STAGE 2 W/ 7700# 100 MESH IN 1/2 PPG STAGE, 109300# 20/40 IN 1,2,3&4 PPG STAGES FLUSH TO TOP PERF. AVE PRES @ 8374, MAX PRES @ 9804 AVE RATE @ 52.5 MAX RATE @ 61.2 BPM. ISDP @ 7400 FRAC GRADIENT .95, 5 MIN @ 7310 10 MIN @ 7292 15 MIN @ 7276. SWI TOT WIRE LINE.
	13:30 14:30	1.00	STG03	26		P		RIH W/ 4.5 12K CBP SET AND TEST @ 14070'
	14:30 16:00	1.50	STG03	21		P		RIH W/ 2-3/4" HSC GUNS 3 JSPF 15 GM CHARGES AND PERFORATE STAGE 3 (25 NET FT 75 HOLES 14052' TO 13184'. NO PRESSURE INCREASES. SWI TOT FRAC CREW.
	16:00 17:00	1.00	STG03	35		P		BREAK DOWN STAGE 3 PERFS @ 13 BPM @ 7734 PSIG TREAT STAGE 3 PERFS W/ 5000 GAL 15% HCL FLUSH 10 OVER BTM PERF. ISDP @ 6760 5 MIN @ 6611 10 MIN @ 6546 15 MIN @ 6513. FRAC GRAD @ .92
	17:00 18:00	1.00	STG03	35		P		TREAT STAGE 3 W/ 9200# 100 MESH IN 1/2 PPG STAGE, 131800# 20/40 IN 1,2,3&4 PPG STAGES FLUSH TO TOP PERF. AVE PRES @ 8026, MAX PRES @ 9747 AVE RATE @ 54.5 MAX RATE @ 62.1 BPM. ISDP @ 7360 FRAC GRADIENT .92, 5 MIN @ 7074 10 MIN @ 7056 15 MIN @ 7011. SWI TOT WIRE LINE.
	18:00 19:30	1.50	STG04	26		P		RIH W/ 4.5 CBP SET AND TEST @ 13802'
	19:30 20:30	1.00	STG04	21		P		RIH W/ 2-3/4" HSC GUNS 3 JSPF 15 GM CHARGES AND PERFORATE STAGE 4 (24 NET FT 72 HOLES 13785' TO 13575'. NO PRESSURE INCREASES. SWIFN RDMOL W/ LONE WOLF WIRE LINE UNIT.
	20:30 6:00	9.50	STG04	18		P		PREP LOCATION FOR STAGE 4 FRAC.
	5/15/2011	6:00 6:30	0.50	STG04	28		P	CT TGSM & JSA (HIGH PRESSURE FRAC)
		6:30 7:30	1.00	STG04	18		P	PREP EQ., FOR FRAC. PRES TEST LINES & EQ., CSIP @ 6150 PSIG.
	7:30 8:30	1.00	STG04	35		P	BREAK DOWN STAGE 4 PERFS @ 15 BPM @ 8560 PSIG TREAT STAGE 4 PERFS W/ 5000 GAL 15% HCL FLUSH 10 OVER BTM PERF. ISDP @ 6120 5 MIN @ 5575 10 MIN @ 5563 15 MIN @ 5286. FRAC GRAD @ .89	
	8:30 10:00	1.50	STG04	35		P	TREAT STAGE 4 W/ 10183# 100 MESH IN 1/2 PPG STAGE, 133903# 20/40 IN 1,2,3&4 PPG STAGES FLUSH TO TOP PERF. AVE PRES @ 7634, MAX PRES @ 9244 AVE RATE @ 42.4 MAX RATE @ 60.9 BPM. ISDP @ 7160 FRAC GRADIENT .92, 5 MIN @ 6586 10 MIN @ 6428 15 MIN @ 6257. SWI. (3133.86 CLEAN VOL, 1973.5 DIRTY VOL)	
	10:00 14:30	4.50	RDMO	02		P	RIG DOWN MOL W/ SCHLUMBERGER FRAC EQ., NIPPLE DOWN STINGER WELL HEAD PROTECTION. PREP LOCATION FOR FLOW BACK.	
	14:30 6:00	15.50	FB	17		P	14:30 OPEN WELL 8/64 CHOKE 5500# PSIG FLOW BACK 0 GAS 0 OIL 721 BBLs WTR CURRENTLY 4200# PSI 10/64 CHOKE	
5/16/2011	6:00 9:00	3.00	MIRU	01		P	TGSM & JSA (COIL TBG OPERATIONS) FLOW BACK 252 BBLs ON 10/64 CHOKE. RIG UP CTS COIL TBG UNIT.	
	9:00 10:30	1.50	CTU	36		P	SWI. MAKE UP COIL CONNECTOR AND PULL TEST TO 25K	
	10:30 11:30	1.00	CTU	16		P	MAKE UP ACCESSORY TOOLS, MOTOR & MILL, FUNCTION TEST 2 PM @ 1300 PSI. NU CT STACK TO BOPS, PRESSURE TEST COIL TO 8000 # PSI.	
	11:30 13:00	1.50	CTU	40		P	TAG SAND 12' ABOVE PLUG @ 13,660' CTM. WASH SAND DRILL OUT CBP. (TOOK 700# KICK.)	
	13:00 14:30	1.50	CTU	40		P	TAG SAND 18' SAND ABOVE PLUG @ 13,931 CTM. WASH SAND DRILL OUT CBP. TOOK 500# KICK.	
	14:30 15:30	1.00	CTU	40		P	TAG SAND 10' ABOVE PLUG @ 14147 CTM. WASH SAND DRILL OUT CBP.	

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	15:30 16:00	0.50	CTU	40		P		TAG SAND BRIDGE @ 80' ABOVE TD @ 14,496' CTM. WASH OUT SAND TO TD.
	16:00 21:30	5.50	CTU	40		P		CIRC ON BM FOR 1.5 HRS STOP & CIRC @ LINER TOP FOR 1 HR. POOH W/ 2" COIL TBG.
	21:30 22:30	1.00	CTU	16		P		SWI NIPPLE DOWN BREAK OUT BHA NU BLOW COIL DRY. RDMOL W/ CTS COIL TBG UNIT.
	22:30 6:00	7.50	FB	19		P		OPEN WELL @ 22:30 ON 12/64 CHOKE W/ 5500 PSIG. TOT DELSCO FOR FLOW BACK. FLOW BACK 0 GAS 0 OIL 615 BBLS WTR (1250 TTL FOR DAY) CURRNT PRESSURE 4500# PSI ON 12/64 CHOKE
5/17/2011	6:00 6:30	0.50	FB	28		P		TGSM & JSA (CHANGING CHOKES)
	6:30 6:00	23.50	FB	19		P		FLOW BACK FOR 24 HOURS 72 GAS 20 OIL 1334 WTR CURRENT PRESSURE 3200 PSIG ON 12/64 CHOKE
5/18/2011	6:00 6:30	0.50	FB	28		P		TGSM & JSA (FIRE TUBE OPERATIONS)
	6:30 6:00	23.50	FB	19		P		307 MCF GAS 199 BBLS OIL 705 BBLS WTR CURRENTLY FLOWING ON 12/64 CHOKE W/ 2650# PSI.
5/19/2011	6:00 6:30	0.50	FB	28		P		TGSM & JSA (CHECKING CHOKES)
	6:30 6:00	23.50	FB	19		P		436 MCF GAS 205 BBLS OIL 696 BBLS WTR CURRENTLY FLOWING ON 14/64 CHOKE W/ 1950# PSI.
5/20/2011	6:00 6:30	0.50	FB	28		P		TGSM & JSA (GAUGING TANKS)
	6:30 6:00	23.50	FB	19		P		573 MCF GAS 300 BBLS OIL 541 BBLS WTR CURRENTLY FLOWING ON 16/64 CHOKE W/ 1525# PSI.
5/21/2011	6:00 6:30	0.50	FB	28		P		TGSM & JSA (CRUDE TRUCKS MUST USE GROUND CABLE)
	6:30 6:00	23.50	FB	19		P		628 MCF GAS 287 BBLS OIL 425 BBLS WTR CURRENTLY FLOWING ON 16/64 CHOKE W/ 1300# PSI.
5/22/2011	6:00 6:30	0.50	FB	28		P		TGSM & JSA (STRAPPING TANKS)
	6:30 6:00	23.50	FB	19		P		620 MCF GAS 286 BBLS OIL 334 BBLS WTR CURRENTLY FLOWING ON 16/64 CHOKE W/1200# PSI.
5/23/2011	6:00 6:30	0.50	FB	28		P		TGSM & JSA (USE SPOTTERS BACKING IN TRUCKS)
	6:30 6:00	23.50	FB	19		P		622 MCF GAS 276 BBLS OIL 266 BBLS WTR CURRENTLY FLOWING ON 16/64 CHOKE W/ 1125# PSI.
5/28/2011	6:00 9:00	3.00	CHLOG	42		P		WAIT ON WIRELINE.
	9:00 9:30	0.50	CHLOG	28		P		HELD SAFETY MEETING ON WIRELINE SAFETY FILLED OUT JSA.
	9:30 14:00	4.50	CHLOG	22		P		RIH W/ 1 1/2" SINKER BARS TAGGED FILL @ 14670', RIH W/ PROTECHNICS TRACER LOGGING TOOLS. LOGGED FROM 14650' TO 13000'. POOH RD WIRELINE
6/1/2011	6:30 7:00	0.50	MIRU	28		P		HELD SAFETY MTNG. (RIGGING UP) PERFORMED JSA'S.
	7:00 9:00	2.00	MIRU	01		P		ROAD RIG FROM 1-11A1 TO 3-12A1. SPOT IN. RIG UP.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	9:00 13:30	4.50	SITEPRE	18		P		SPOT IN PIPE RACKS, CAT WALK, PUMP AND TANK. RUN PUMP LINES. TRANSFER PIPE TO TO PIPE RACKS. TALLY TOP ROW. S.D.F.N. LEFT WELL FLOWING TO PRODUCTION FACILITY.
6/2/2011	6:00 7:00	1.00	WLWORK	28		P		CREW TRAVEL, HELD SAFETY MTNG, (WIRE LINE WORK). PERFORMED JSA'S.
	7:00 13:30	6.50	WLWORK	27		P		RU WIRE LINE EQUIP AND LUBRICATOR. PU & RIH W/ 7" GUAGE RING TO LINER TOP @ 11,395'. POOH LD GUAGE RING. PU 2 3/8" SOLID PLUG, 4' X 2 3/8" PERF SUB, PUMP OUT PLUG, X-O 2 3/8" X 2 7/8", 4' X 2 7/8" PUP JNT, X-N NIPPLE, 2' X 2 7/8" PUP JNT, WCS 7" ARROW SET PKR. RIH W/ WIRE LINE, SET PKR @ 11,308'. POOH . RD WIRE LINE EQUIP.
	13:30 15:30	2.00	WBP	15		P		640 PSI ON CSNG. OPEN UP CHOKE TO 40/64 CHOKE AND BLEW DN CSNG.
	15:30 18:00	2.50	INSTUB	39		P		TALLY & MU ON-OFF TOOL, 1 JNT 2 7/8" N-80 EUE TBNG. 2 7/8" PSN. PU & RIH 100 JNTS 2 7/8" N-80 EUE TBNG. EOT @ 3,176'. SHUT IN TBNG. LEFT CSNG VENTING TO FLOW BACK TNK ON 20/64 CHOKE FOR THE NIGHT. S.D.F.N.
6/3/2011	6:00 7:00	1.00	INSTUB	28		P		CREW TRAVEL. HELD SAFETY MTNG (PICKING UP TUBING). PRFORM JSA'S.
	7:00 13:00	6.00	INSTUB	39		P		OPEN UP WEL. CONTINUE PU & TIH W/ 257 JNTS 2 7/8" N-80 EUE TBNG. TAG AND LATCH ONTO 7" ARROW SET PKR @ 11,300' TUBING TALLY. SPACE OUT TBNG. RELEASE FROM 7" ARROW SET PKR. LD TOP JNT 2 7/8" TBNG. EOT @ 11,292'.
	13:00 15:30	2.50	INSTUB	06		P		RU PMP LINES. PUMPED 430BBLs 2% KCL WTR @ 150 DEG W/ PACKER FLUID MIXED INTO WTR. PMPED DN TBNG UP CSNG.
	15:30 17:30	2.00	INSTUB	16		P		ND BOPE. PU 1 JNT 2 7/8" TBNG. RIH LATCH ONTO 7" ARROW SET PKR @ 11,300'. INSTALL TBNG HANGER, AND LAND TBNG IN 15K TENSION. LD 1 JNT 2 7/8" TBNG. NU WH. PRESS TEST PKR TO 1,000 PSI DN CSNG. GOOD TEST. RU PMP LINE TO TBNG. AND PRESS UP ON TNBG TO 22,000 PSI AND BLEW OUT PUMP OUT PLUG. WELL HAD 650 PSI ON TBNG. RU FLOW LINE. OPEN UP WELL TO PRODUCTION FACILITIES ON 18/64 CHOKE. W/ 650 PSI. TURNED WELL OVER TO PROD DEPT.
	17:30 19:00	1.50	RDMO	02		P		CLEAN UP LOCATION. RACK OUT EQUIPMENT. RDMO. REPORTS SUSPENDED

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML 39760

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:
Killian 3-12A1

9. API NUMBER:
4304740226

10. FIELD AND POOL, OR WILDCAT
Altamont/Bluebell

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SESE 12 1S 1W
Meridian: **U**

12. COUNTY
Uintah

13. STATE
UTAH

14. DATE SPUNDED: **8/26/2010**

15. DATE T.D. REACHED: **3/24/2011**

16. DATE COMPLETED: **8/25/2011**

ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
5614.4' GL, 5631' KB

18. TOTAL DEPTH: MD **14,650**

TVD

19. PLUG BACK T.D.: MD **14,633**

TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD

PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Triple Combo, Gyro, MWD

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
26"	20"			80		Cl. G 450		Surface	
17-1/2"	13-3/4 J-55	54.5#	0	810		Cl. G	205	Surface	
12-1/4"	9-5/8" J-55	36#							
	9/5/8" N-80	40#	0	3,822		Cl. G 684	392	3822'	
8-3/4"	7" P110	29#	3,817	11,615		Cl. G 891	367	5950'	
6-1/8"	4-1/2" P110	15.1#	11,401	14,650		Cl. G 303		11,401'	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	10,600	10,273			

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) <i>WSTC</i>					14,319 14,545	2-3/4	75	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					14,082 14,826	2-3/4	69	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					13,184 14,052	2-3/4	75	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					13,575 13,785	2-3/4	72	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (perf record continued on attachment)

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
14319 - 14545	Acidized w/5000 gals 15% HCL. Frac w/8100 #'s 100 mesh & 114,300 #'s 20/40 sand.
14082 - 14826	Acidized w/5000 gals 15% HCL. Frac w/7700 #'s 100 mesh & 109,300 #'s 20/40 sand.
13184 - 14052	Acidized w/5000 gals 15% HCL. Frac w/9200 #'s 100 mesh & 131,800 #'s 20/40 sand.

29. ENCLOSED ATTACHMENTS: (Item 28 continued on attachment)

(Logs are submitted by logging companies)

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY

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

continued on attachment

30. WELL STATUS:
Producing

RECEIVED

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 5/16/2011	TEST DATE: 5/16/2011	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF: 20	WATER – BBL: 72	PROD. METHOD: rod pump
CHOKE SIZE: 12/64th	TBG. PRESS.	CSG. PRESS. 3,200	API GRAVITY	BTU – GAS	GAS/OIL RATIO 3,600	24 HR PRODUCTION RATES: →	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: →	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: →	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: →	INTERVAL STATUS:

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

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	9,347 10,377

35. ADDITIONAL REMARKS (Include plugging procedure)

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 Regulatory Analyst

SIGNATURE *Linda Renken*

DATE 10/27/2011

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

October 27, 2011

El Paso E&P Company, L.P.

Killian 3-12A1

Form 8 Well Completion or Recompletion Report and Log Attachment

Item #27 Continued – Perforation Record

<u>Interval</u>	<u>Size</u>	<u># Holes</u>	<u>Status</u>
13,293' - 13,518'	2-3/4"	63	Open Perfs
12,973' - 13,260'	2-3/4"	69	Open Perfs
12,628' - 12,920'	2-3/4"	60	Open Perfs

Item #28 Continued – Acid, Fracture, Treatment, Cement Squeezes, etc.

<u>Depth Interval</u>	<u>Amount and Type of Material</u>
13575-13785	Acidize w/5000 gals 15% HCL. Frac w/10183 #'s 100 mesh & 133,903 #'s of 20/40 sand.
13293-13518	Acidize w/5000 gals 15% HCL. Frac w/7500 #'s 100 mesh & 122636 #'s of 20/40 sand.
12973-13260	Acidize w/5000 gals 15% HCL. Frac w/8500 #'s 100 mesh & 144653 #'s of 20/40 sand.
12628-12920	Acidize w/5000 gals 15% HCL. Frac w/5500 #'s 100 mesh & 118401 #'s of 20/40 sand.

RECEIVED
OCT 28 2011

C

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, Room 2730D
city Houston
state TX zip 77002 Phone Number: (713) 420-5038

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350293	Hill 3-24C6		NWNW	24	3S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
E	18020	18020	4/13/2011			8/12/2011	
Comments: <u>Initial Completion - Wasatch</u>			CONFIDENTIAL			11/16/11	

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350474	El Paso 3-21B4		NWNW	21	2S	4W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
E	18123	18123	6/21/2011			10/11/2011	
Comments: <u>Initial Completion - Wasatch</u>			CONFIDENTIAL			11/16/11	

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740226	Killian 3-12A1		SESE	12	1S	1W	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
E	17761	17761	8/26/2010			8/25/2011	
Comments: <u>Initial Completion - Wasatch</u>						11/16/11	

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)

Maria S. Gomez

Name (Please Print)

Maria S. Gomez

Signature

Principle Regulatory Analyst

11/14/2011

Title

Date

RECEIVED

NOV 15 2011

(5/2000)

DIV. OF OIL, GAS & MINING

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

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

CA No.		Unit:			N/A			
WELL NAME	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

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- Is the new operator registered in the State of Utah: Business Number: 2114377-0181
- (R649-9-2)Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 6/25/2012
- 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
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- 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:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

- (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

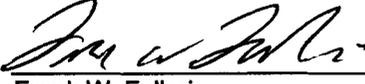
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER 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: Change of Name/Operator
	<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.

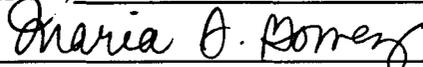
EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian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

DATE 6/22/2012

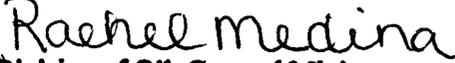
(This space for State use only)

RECEIVED

JUN 25 2012

DIV. OF OIL, GAS & MINING

APPROVED 6/29/2012



(See Instructions on Reverse Side)

(5/2009) 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	
OBERHANSLY 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: ML 39760	
SUNDRY NOTICES AND REPORTS ON WELLS	
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.	
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	8. WELL NAME and NUMBER: KILLIAN 3-12A1
PHONE NUMBER: 713 997-5038 Ext	9. API NUMBER: 43047402260000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 01.0S Range: 01.0W Meridian: U	9. FIELD and POOL or WILDCAT: BLUEBELL
	COUNTY: UINTAH
	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 Approximate date work will start: 12/1/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT 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 checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input checked="" 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.

Recomplete to LGR/Wasatch. See attached for details.

Approved by the
November 25, 2014
Oil, Gas and Mining

Date: _____
By: DeKQ

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 11/25/2014	

Killian 3-12A1 Recom Summary Procedure

- POOH with rods, tubing string and pump, inspect/Repair/Re-furbish as needed and test to bring in working condition and put back on Rack. Replace any bad tubing.
- Circulate & Clean wellbore
- RIH with 4 1/2"CBP, set plug at ~12,600', set 2nd plug at ~ 12,590' dump bail 10' cement on top
- Stage 1:
 - Perforate new LGR/UW interval from ~10,360' – 10,508'
 - Prop frac perforations with 60,000 lbs of proppant (STAGE 1 Recom)
 - RIH with 7"CBP & set 10' shallower than next stage.
- Stage 2:
 - Perforate new LGR interval from ~10,250' – 10,358'
 - Prop frac perforations with 60,000 lbs of proppant (STAGE 2 Recom)
 - RIH with 7"CBP & set 10' shallower than next stage.
- Stage 3:
 - Perforate new LGR interval from ~10,084' – 10,246'
 - Prop frac perforations with 60,000 lbs of proppant (STAGE 3 Recom)
 - RIH with 7"CBP & set 10' shallower than next stage.

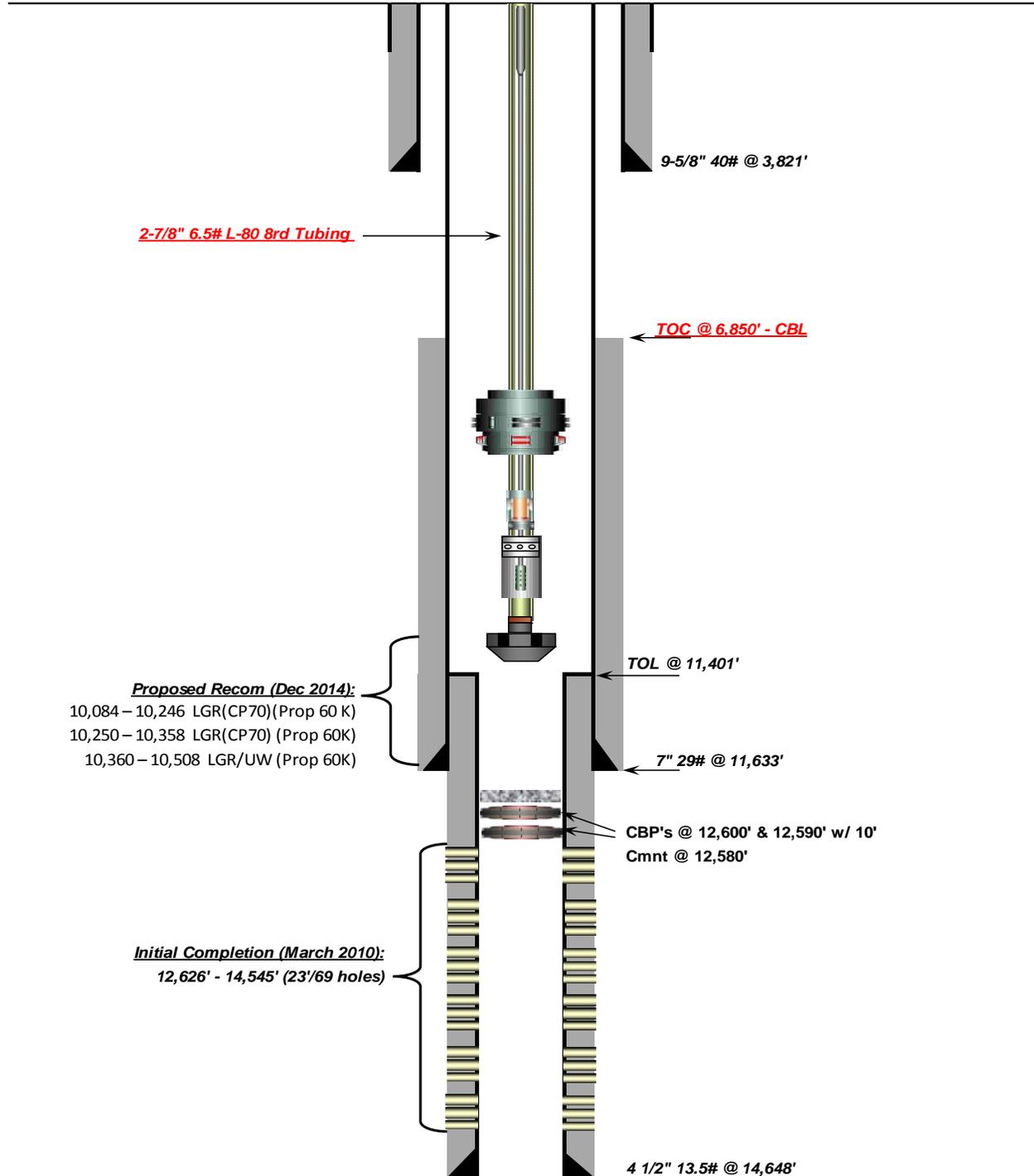
- Clean out well drilling up 4.5" CBP's leaving CBP w/ 10' cmt @~12,590'.
- Run Log.
- RIH w AL equipment.
- Clean location and resume production.



Pumping Schematic

Company Name: EP Energy
Well Name: Killian 3-12A1
Field, County, State: Altamont - Bluebell, Duchesne, Utah
Surface Location: _____
Producing Zone(s): Wasatch

Last Updated: November 24, 2014
By: Mohammad Siddiqui
TD: 14,648'
NHOW: _____
PICK UP: _____



Sundry Number: 58214 API Well Number: 43047402260000

RECEIVED: Nov. 25, 2014

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

AMENDED REPORT FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

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

12. COUNTY

13. STATE

UTAH

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:

3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____ PHONE NUMBER: _____

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE:

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

14. DATE SPUDDED: _____ 15. DATE T.D. REACHED: _____ 16. DATE COMPLETED: _____ ABANDONED READY TO PRODUCE 17. ELEVATIONS (DF, RKB, RT, GL):

18. TOTAL DEPTH: MD _____ TVD _____ 19. PLUG BACK T.D.: MD _____ TVD _____ 20. IF MULTIPLE COMPLETIONS, HOW MANY? * _____ 21. DEPTH BRIDGE PLUG SET: MD _____ TVD _____

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

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

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. See attached for further information on #27 & #28.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS: CBP 's @ 11490' & 11480' w/ 10' cmt on top of each

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: _____

30. WELL STATUS:

31. INITIAL PRODUCTION

INTERVAL A (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 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.)

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)

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) _____ TITLE _____

SIGNATURE _____ DATE _____

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

CENTRAL DIVISION

ALTAMONT FIELD
KILLIAN 3-12A1
KILLIAN 3-12A1
RECOMPLETE 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	KILLIAN 3-12A1		
Project	ALTAMONT FIELD	Site	KILLIAN 3-12A1
Rig Name/No.		Event	RECOMPLETE LAND
Start date	1/29/2015	End date	3/8/2015
Spud Date/Time	8/26/2010	UWI	KILLIAN 3-12A1
Active datum	KB @5,631.0ft (above Mean Sea Level)		
Afe No./Description	164423/52797 / KILLIAN 3-12A1		

2 Summary**2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
2/21/2015	6:00 7:30	1.50	MIRU	28		P		CT TGSM & JSA (LAYING DOWN RODS)
	7:30 9:30	2.00	MIRU	01		P		SLIDE UNIT, RIG UP. WORK PUMP OFF SEAT. FLUSH TUBING AND RODS.
	9:30 15:00	5.50	UNINARTLT	24		P		LAY DOWN AND SEND TO YARD 88 1", 126 7/8", 225 3/4", 8 1 1/2" WT BARS. 2 1/2" X 1 1/2" X 38' RHBC.
	15:00 16:00	1.00	UNINARTLT	16		P		BREAK OUT PUMP T AND FLOW LINES, C/O TO TBG EQUIPMENT, RE LAND TUBING W/ 6' PUP JT, NU TESTED BOPE, RU WORK FLOOR. RELEASE TAC. RU SCANNING EQUIPMENT.
	16:00 18:30	2.50	UNINARTLT	39		P		POOH W 54 YELLOW, 23 BLUE, 6 RED. SHUT AND LOCK PIPE RAMS. SHUT CASING VALVES INSTALL NIGHT CAPS, INSTALL AND SHUT TIW VALVE W/ NIGHT CAP.
2/22/2015	6:00 7:30	1.50	UNINARTLT	28		P		CT TGSM & JSA (SCANNING TUBING)
	7:30 13:00	5.50	UNINARTLT	24		P		SCAN REMAINING TUBING OUT OF HOLE, LAY DOWN BHA. SCANNING TOTALS 120 YELLOW, 217 BLUE, 18 RED. RD SCANNING EQUIPMENT.
	13:00 18:00	5.00	INSTUB	24		P		PU MU & RIH W/ 3 5/8" BIT, BIT SUB, 4 1/2" CASING SCRAPER, X/O TO 2 3/8" EUE, 5 JOINTS 2 3/8", X/O TO 2 7/8" EUE, 2 7/8" EUE PIN X 3 1/2" REG BOX, 7" CASING SCRAPER, BIT SUB, 120 JOINTS YELLOW BAND. RU PIPE RACKS AND CAT WALKS. CIH PU 232 JOINTS NEW TUBING. EOT @ 11552'. POOH W/ 12 JTS EOT @ 11,160'. SHUT AND LOCK PIPE RAMS. SHUT CASING VALVES INSTALL NIGHT CAPS, INSTALL AND SHUT TIW VALVE W/ NIGHT CAP.
2/23/2015	6:00 6:00	24.00	WOR	18		P		SHUT DOWN FOR WEEK END
2/24/2015	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA (POOH W/ TBG)
	7:30 11:00	3.50	PRDHEQ	39		P		BWD, COOH W/ 340 JTS 2 7/8", 7" CASING SCRAPER, 5 JTS 2 3/8", 4 1/2" CASING SCRAPER, BIT.
	11:00 14:00	3.00	WLWORK	26		P		MIRU CUTTERS WIRE LINE UNIT, RIH SET 4.5 15.1# CBP @ 11,490'. DUMP BAIL 10' CEMENT.
	14:00 15:00	1.00	WOR	06		P		FILL CASING W/ 368 BBLS TREATED 2% KCL.
	15:00 16:30	1.50	WLWORK	26		P		SET CBP @ 11,480' W/ 3000 PSIG SURFACE PRSSURE. RIH DUMP BAIL 10' CEMENT. RDMOL W/ LONE WOLF WIRE LINE UNIT.

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	WOR	39		P		RIH W/ +45 PSN, 50 JTS 2 7/8" 8RD TUBING. SHUT AND LOCK PIPE RAMS. SHUT CASING VALVES INSTALL NIGHT CAPS, INSTALL AND SHUT TIW VALVE W/ NIGHT CAP.
2/25/2015	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA (POOH W/ TBG)
	7:30 9:00	1.50	WOR	06		P		CIRCULATE WELL CLEAN WITH HOT OIL UNIT, POOH W/ TBG
	9:00 16:00	7.00	WHDTRE	16		P		RD WORK FLOOR, ND BOPE, ND TBG HANGER, TEST SEALS ON TOP OF CASING HEAD NO TEST. REPLACE SEALS ON TOP OF CASING HEAD ATTEMPT TO TEST SAME RESULTS. NU TUBING HEAD AND NIGHT CAP. SWI
2/26/2015	6:00 7:30	1.50	WHDTRE	28		P		CT TGSM & JSA (NU PROCEDURES)
	7:30 9:30	2.00	WHDTRE	16		P		BWD, ND TUBING HEAD, REPLACE SEALS IN CASING HEAD, TEST VOID, GOOD TEST. REPLACE SEALS IN TUBING HEAD. NU TUBING HEAD TEST VOID GOOD TEST.
	9:30 14:00	4.50	MIRU	01		P		NU FRAC VALVE, TEST CASING TO 8000 PSIG FOR 15 MINUTES, GOOD TEST. NU 7" FRAC STACK TEST TO 9500. SHUT FRAC VALVE, SHUT AND LOCK HCR VALVES, SHUT CASING VALVES INSTALL NIGHT CAPS.
2/27/2015	6:00 7:30	1.50	MIRU	28		P		CT TGSM & JSA (WIRE LINE OPERATIONS)
	7:30 8:30	1.00	MIRU	01		P		MIRU WIRE LINE
	8:30 10:30	2.00	STG01	21		P		RIH W/ 3 1/8" TAG-RTG GUN 22.7 GM CHARGES, 3 JSPF AND 120° PHASING. HOLD 1000 PSIG SURFACE PRESSURE. PERFORATE STAGE 1 10,491' TO 10,352' NO PRESSURE CHANGES.
	10:30 12:30	2.00	RDMO	02		P		SHUT FRAC VALVE, SHUT AND LOCK UPPER AND LOWER HCR VALVES. SHUT CASING VALVES AND INSTALL NIGHT CAPS. RDMOL W/ WIRE LINE
2/28/2015	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY SHUT DOWN FOR WEEK END
3/1/2015	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY SHUT DOWN FOR WEEK END
3/2/2015	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY SHUT DOWN FOR WEEK END
3/3/2015	6:00 6:30	0.50	MIRU	28		P		TGSM & JSA (FRAC OPERATIONS)
	6:30 9:30	3.00	MIRU	01		P		FINISH RU FRAC EQUIPMENT
	9:30 10:30	1.00	STG01	35		P		SIP @ 765 PSIG, BREAK DOWN STAGE 1 PERFS 10.4 BPM @ 4,336 PSIG, ESTABLISH INJECTION RATE @ 32 BPM @ 4757 PSI. ISIP @ 3451 F.G 76.5 MIN 3076. PUMP 5000 GAL 15% HCL, TREAT STAGE 1 PERFS W/ 3000# 100 MESH IN .5 PPG STAGE AND 60,010 # TLC 30/50 IN .5-3 PPG FLUSH TO TOP PERF ISDP @ 3,930, F.G .81, AVG RATE 77.5 BPM, MAX RATE 79.8 BPM, AVE PRES 4,539 MAX PRES 6,066. AVE HORSE POWER 8,621 SWI TOT WIRELINE, STAGE 1 WATER TO RECOVER 2,285.
	10:30 13:00	2.50	STG02	21		P		RIH SET 7" CBP @ 10,350'. PERFORATE W 3 1/8" TAG-RTG GUN 22.7 GM CHARGES, 3 JSPF AND 120° PHASING. STARTING PSIG @ 3000 PEFORATE STAGE 2 10,337' TO 10,243' ENDING PSIG @ 2925. (CHANGED BOTTEM PERF 10' HIGHER AS PER MOHAMMAD SIDDIQUE.
	13:00 14:30	1.50	STG02	35		P		SIP @ 2925 PSIG, BREAK DOWN STAGE 2 PERFS 10 BPM @ 4,392 PSIG, ESTABLISH INJECTION RATE @ 32 BPM @ 4392 PSI. ISIP @ 3569 F.G 78.5 MIN 3136. PUMP 5000 GAL 15% HCL, TREAT STAGE 2 PERFS W/ 3000# 100 MESH IN .5 PPG STAGE AND 60,010 # TLC 30/50 IN .5-3 PPG FLUSH TO TOP PERF ISDP @ 3,905, F.G .81, AVG RATE 57.7 BPM, MAX RATE 73.4 BPM, AVE PRES 4,894 MAX PRES 6,101. AVE HORSE POWER 6,920 SWI TOT WIRELINE, STAGE 2 WATER TO RECOVER 2,191.
	14:30 16:30	2.00	STG03	21		P		RIH SET 7" CBP @ 10,231'. PERFORATE W 3 1/8" TAG-RTG GUN 22.7 GM CHARGES, 3 JSPF AND 120° PHASING. STARTING PSIG @ 2800 PEFORATE STAGE 2 10,221' TO 10,078' ENDING PSIG @ 2460.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	16:30 18:30	2.00	STG03	35		P		SIP @ 1860 PSIG, BREAK DOWN STAGE 3 PERFS 10 BPM @ 2,460 PSIG, ESTABLISH INJECTION RATE @ 27 BPM @ 3022 PSI. ISIP @ 1642 F.G 59.5 MIN 1566. PUMP 5000 GAL 15% HCL, TREAT STAGE 3 PERFS W/ 3000# 100 MESH IN .5 PPG STAGE AND 60,390 # TLC 30/50 IN .5-3 PPG FLUSH TO TOP PERF ISDP @ 2,096, F.G .64, AVG RATE 59 BPM, MAX RATE 76.7 BPM, AVE PRES 3,386 MAX PRES 4,885. AVE HORSE POWER 4,896 SWI TOT WIRELINE, STAGE 3 WATER TO RECOVER 2,153.
	18:30 19:30	1.00	STG03	18		P		SHUT FRAC VALVE, SHUT AND LOCK UPPER AND LOWER HCR VALVES. SHUT CASING VALVES AND INSTALL NIGHT CAPS. BLEED DOWN KNOCK OFF LINES ON WELL HEAD. INSTALL NIGHT CAPS.
3/4/2015	6:00 7:30	1.50	RDMO	28		P		CT TGSM & JSA (RD FRAC EQUIPMNET)
	7:30 10:30	3.00	RDMO	02		P		CSIP @ VACUUM. RD WIRE LINE AND FRAC EQUIPMENT MOL
	10:30 11:30	1.00	RDMO	16		P		ND STACK, NU TESTED BOPE.
	11:30 16:30	5.00	INSTUB	39		P		RU WORK FLOOR AND TUBING EQUIPMENT. PUMU & RIH W/ 6" BIT, BIT SUB 312 JOINTS 2 7/8" 8RD EUE TBG. SHUT AND LOCK PIPE RAMS, SHUT CASING VALVES INSTALL NIGHT CAPS. INSTALL AND SHUT 2 7/8" TIW VALVE, INSTALL NIGHT CAP.
3/5/2015	6:00 6:00	24.00	PRDHEQ	18		P		NO ACTIVITY ON LOCATION QUARTERLY SAFETY MEETING
3/6/2015	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA (OVER HEAD LOADS & PINCH POINTS)
	7:30 15:00	7.50	WOR	40		P		CIH W/ 6 JTS TAG SAND AT 10239' RU POWER SWIVEL, BREAK CIRCULATION W/ 255 BBLS, CIRC CLEAN, TAG PLUG @ 10,256', DRILL UP CBP, TAG SAND @ 10,345' W/ JT # 321', TAG 2ND PLUG @ 10,370' TM. DRILL OUT PUSH TO 11,417' TM. W/ JT# 353. BREAK CIRCULATION CLEAN UP REMAINS ON LINER TOP. CIRCULATE CLEAN.
	15:00 18:00	3.00	WOR	39		P		LAY DOWN 53 JTS 2 7/8", COOH W/ 180 JTS 2 7/8" 8RD EUE TBG. EOT @ 3840'. SHUT AND LOCK PIPE RAMS. SHUT CASING VALVES INSTALL NIGHT CAPS, INSTALL AND SHUT TIW VALVE W/ NIGHT CAP.
3/7/2015	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA (PULLING AND RUNNING TBG)
	7:30 9:30	2.00	WOR	39		P		COOH W/ 120 JTS 2 7/8" 8RD EUE TBG, LAY DOWN BIT SUB, 6" BIT. MIRU HYDRO TESTING EQUIPMENT.
	9:30 14:30	5.00	INSTUB	39		P		PUMU & RIH W/ 5 3/4" SOLID NO-GO, 2 JTS 2 7/8", 5 1/2" PBGA, PUP JT, +45 PSN, PUP JT, 4 JTS, 7" TECH TAC, 294 JTS 2 7/8" SET TAC AT 9506, LAND W/ PUP JT, ND BOPE, RELAND IN 25K TENSION, PSN @ 9640', EOT @ 9740', NU B FLANGE, MU PUMP T, INSTALL 3/8" CAP TUBE.
	14:30 15:30	1.00	RDMO	02		P		RDMOL W/ RIG.
	15:30 16:30	1.00	MIRU	01		P		MIRU CO ROD, FLUSH TBG W/ 65 BBLS W/ BAKER COR INH.
	16:30 18:00	1.50	INARTLT	39		P		PUMU & RIH W/ 2 1/2" X 1 3/4" X 38' WALS, 2 STAGE HVR, RHBC, 1200' 17/16, MAKE WELD, CIH W/ 4682' 15/16, SHUT CO-ROD HYDRILL, SHUT IN AND NIGHT
3/8/2015	6:00 7:30	1.50	INARTLT	28		P		CT TGSM & JSA (CO ROD OPERATIONS)
	7:30 14:30	7.00	INARTLT	39		P		MAKE WELD CIH W/ 1278' SE 6, WELD CIH W/ 1305' SE 7, WELD, CIH W/ 1011' #8, WELD ON PIN, SPACE OUT W/ 4,6,8 X 1" PONIES AND 1 1/2" X 40' P ROD.
	14:30 16:30	2.00	RDMO	02		P		F&T W/ 20 BBLS L/S TO 1000 PSIG, RD SLIDE UNIT, NO TAG TOTP.

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: ML 39760	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	
8. WELL NAME and NUMBER: KILLIAN 3-12A1	
9. API NUMBER: 43047402260000	
9. FIELD and POOL or WILDCAT: BLUEBELL	
COUNTY: UINTAH	
STATE: UTAH	

SUNDRY NOTICES AND REPORTS ON WELLS

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.

1. TYPE OF WELL Oil Well	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 01.0S Range: 01.0W Meridian: U	

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 Approximate date work will start: 3/29/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT 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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Drill out plugs"/>

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

Drill out 10' of cement and 2 plugs at 12,590' and 12,600'. Return well to production.

Approved by the
March 28, 2016
Oil, Gas and Mining

Date: _____

By: DeKQ

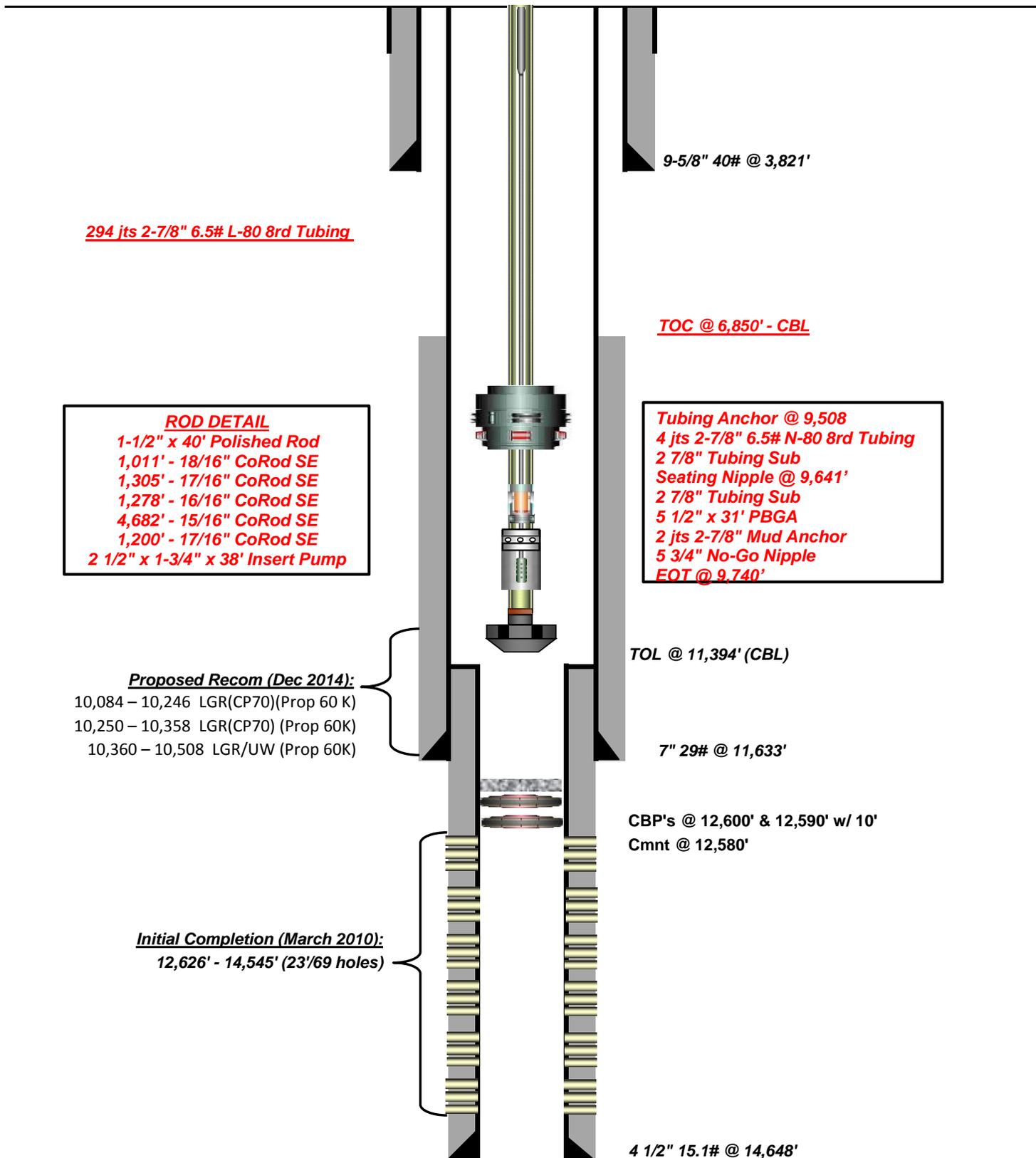
NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 3/24/2016	



Proposed Pumping Schematic

Company Name: EP Energy
 Well Name: Killian 3-12A1
 Field, County, State: Altamont - Bluebell, Duchesne, Utah
 Surface Location: _____
 Producing Zone(s): Wasatch

Last Updated: December 2, 2014
 By: J. Langlois
 TD: 14,648'
 NHOW: _____
 PICK UP: _____



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 39760
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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: KILLIAN 3-12A1	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43047402260000	
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	PHONE NUMBER: 713 997-5138 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 01.0S Range: 01.0W Meridian: U	COUNTY: UINTAH	
	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 Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/4/2016 <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	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This work starts on page 4. Per approved Sundry 70597, please see attached operations summary report for the 2 plug drill out.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 01, 2016		OTHER: <input style="width: 100px;" type="text" value="2 Plug Drill Out"/>
NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 7/29/2016	

CENTRAL DIVISION

ALTAMONT FIELD
KILLIAN 3-12A1
KILLIAN 3-12A1
RECOMPLETE 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	KILLIAN 3-12A1		
Project	ALTAMONT FIELD	Site	KILLIAN 3-12A1
Rig Name/No.		Event	RECOMPLETE LAND
Start date	1/29/2015	End date	3/8/2015
Spud Date/Time	8/26/2010	UWI	KILLIAN 3-12A1
Active datum	KB @5,631.0usft (above Mean Sea Level)		
Afe No./Description	164423/52797 / KILLIAN 3-12A1		

2 Summary**2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
2/21/2015	6:00 7:30	1.50	MIRU	28		P		CT TGSM & JSA (LAYING DOWN RODS)
	7:30 9:30	2.00	MIRU	01		P		SLIDE UNIT, RIG UP. WORK PUMP OFF SEAT. FLUSH TUBING AND RODS.
	9:30 15:00	5.50	UNINARTL T	24		P		LAY DOWN AND SEND TO YARD 88 1", 126 7/8", 225 3/4", 8 1 1/2" WT BARS. 2 1/2" X 1 1/2" X 38' RHBC.
	15:00 16:00	1.00	UNINARTL T	16		P		BREAK OUT PUMP T AND FLOW LINES, C/O TO TBG EQUIPMENT, RE LAND TUBING W/ 6' PUP JT, NU TESTED BOPE, RU WORK FLOOR. RELEASE TAC. RU SCANNING EQUIPMENT.
	16:00 18:30	2.50	UNINARTL T	39		P		POOH W/ 54 YELLOW, 23 BLUE, 6 RED. SHUT AND LOCK PIPE RAMS. SHUT CASING VALVES INSTALL NIGHT CAPS, INSTALL AND SHUT TIW VALVE W/ NIGHT CAP.
2/22/2015	6:00 7:30	1.50	UNINARTL T	28		P		CT TGSM & JSA (SCANNING TUBING)
	7:30 13:00	5.50	UNINARTL T	24		P		SCAN REMAINING TUBING OUT OF HOLE, LAY DOWN BHA. SCANNING TOTALS 120 YELLOW, 217 BLUE, 18 RED. RD SCANNING EQUIPMENT.
	13:00 18:00	5.00	INSTUB	24		P		PU MU & RIH W/ 3 5/8" BIT, BIT SUB, 4 1/2" CASING SCRAPER, X/O TO 2 3/8" EUE, 5 JOINTS 2 3/8", X/O TO 2 7/8" EUE, 2 7/8" EUE PIN X 3 1/2" REG BOX, 7" CASING SCRAPER, BIT SUB, 120 JOINTS YELLOW BAND. RU PIPE RACKS AND CAT WALKS. CIH PU 232 JOINTS NEW TUBING. EOT @ 11552'. POOH W/ 12 JTS EOT @ 11,160'. SHUT AND LOCK PIPE RAMS. SHUT CASING VALVES INSTALL NIGHT CAPS, INSTALL AND SHUT TIW VALVE W/ NIGHT CAP.
2/23/2015	6:00 6:00	24.00	WOR	18		P		SHUT DOWN FOR WEEK END
2/24/2015	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA (POOH W/ TBG)
	7:30 11:00	3.50	PRDHEQ	39		P		BWD, COOH W/ 340 JTS 2 7/8", 7" CASING SCRAPER, 5 JTS 2 3/8", 4 1/2" CASING SCRAPER, BIT.
	11:00 14:00	3.00	WLWORK	26		P		MIRU CUTTERS WIRE LINE UNIT, RIH SET 4.5 15.1# CBP @ 11,490'. DUMP BAIL 10' CEMENT.
	14:00 15:00	1.00	WOR	06		P		FILL CASING W/ 368 BBLS TREATED 2% KCL.
	15:00 16:30	1.50	WLWORK	26		P		SET CBP @ 11,480' W/ 3000 PSIG SURFACE PRSSURE. RIH DUMP BAIL 10' CEMENT. RDMOL W/ LONE WOLF WIRE LINE UNIT.
	16:30 17:00	0.50	WOR	39		P		RIH W/ +45 PSN, 50 JTS 2 7/8" 8RD TUBING. SHUT AND LOCK PIPE RAMS. SHUT CASING VALVES INSTALL NIGHT CAPS, INSTALL AND SHUT TIW VALVE W/ NIGHT CAP.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
2/25/2015	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA (POOH W/ TBG)
	7:30 9:00	1.50	WOR	06		P		CIRCULATE WELL CLEAN WITH HOT OIL UNIT, POOH W/ TBG
	9:00 16:00	7.00	WHDTRE	16		P		RD WORK FLOOR, ND BOPE, ND TBG HANGER, TEST SEALS ON TOP OF CASING HEAD NO TEST. REPLACE SEALS ON TOP OF CASING HEAD ATTEMPT TO TEST SAME RESULTS. NU TUBING HEAD AND NIGHT CAP. SWI
2/26/2015	6:00 7:30	1.50	WHDTRE	28		P		CT TGSM & JSA (NU PROCEDURES)
	7:30 9:30	2.00	WHDTRE	16		P		BWD, ND TUBING HEAD, REPLACE SEALS IN CASING HEAD, TEST VOID, GOOD TEST. REPLACE SEALS IN TUBING HEAD. NU TUBING HEAD TEST VOID GOOD TEST.
	9:30 14:00	4.50	MIRU	01		P		NU FRAC VALVE, TEST CASING TO 8000 PSIG FOR 15 MINUTES, GOOD TEST. NU 7" FRAC STACK TEST TO 9500. SHUT FRAC VALVE, SHUT AND LOCK HCR VALVES, SHUT CASING VALVES INSTALL NIGHT CAPS.
2/27/2015	6:00 7:30	1.50	MIRU	28		P		CT TGSM & JSA (WIRE LINE OPERATIONS)
	7:30 8:30	1.00	MIRU	01		P		MIRU WIRE LINE
	8:30 10:30	2.00	STG01	21		P		RIH W/ 3 1/8" TAG-RTG GUN 22.7 GM CHARGES, 3 JSPF AND 120° PHASING. HOLD 1000 PSIG SURFACE PRESSURE. PERFORATE STAGE 1 10,491' TO 10,352' NO PRESSURE CHANGES.
	10:30 12:30	2.00	RDMO	02		P		SHUT FRAC VALVE, SHUT AND LOCK UPPER AND LOWER HCR VALVES. SHUT CASING VALVES AND INSTALL NIGHT CAPS. RDMOL W/ WIRE LINE
2/28/2015	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY SHUT DOWN FOR WEEK END
3/1/2015	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY SHUT DOWN FOR WEEK END
3/2/2015	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY SHUT DOWN FOR WEEK END
3/3/2015	6:00 6:30	0.50	MIRU	28		P		TGSM & JSA (FRAC OPERATIONS)
	6:30 9:30	3.00	MIRU	01		P		FINISH RU FRAC EQUIPMENT
	9:30 10:30	1.00	STG01	35		P		SIP @ 765 PSIG, BREAK DOWN STAGE 1 PERFS 10.4 BPM @ 4,336 PSIG, ESTABLISH INJECTION RATE @ 32 BPM @ 4757 PSI. ISIP @ 3451 F.G 76. 5 MIN 3076. PUMP 5000 GAL 15% HCL, TREAT STAGE 1 PERFS W/ 3000# 100 MESH IN .5 PPG STAGE AND 60,010 # TLC 30/50 IN .5-3 PPG FLUSH TO TOP PERF ISDP @ 3,930, F.G .81, AVG RATE 77.5 BPM, MAX RATE 79.8 BPM, AVE PRES 4,539 MAX PRES 6,066. AVE HORSE POWER 8,621 SWI TOT WIRELINE, STAGE 1 WATER TO RECOVER 2,285.
	10:30 13:00	2.50	STG02	21		P		RIH SET 7" CBP @ 10,350'. PERFORATE W 3 1/8" TAG-RTG GUN 22.7 GM CHARGES, 3 JSPF AND 120° PHASING. STARTING PSIG @ 3000 PEFORATE STAGE 2 10,337' TO 10,243' ENDING PSIG @ 2925. (CHANGED BOTTEM PERF 10' HIGHER AS PER MOHAMMAD SIDDIQUE.
	13:00 14:30	1.50	STG02	35		P		SIP @ 2925 PSIG, BREAK DOWN STAGE 2 PERFS 10 BPM @ 4,392 PSIG, ESTABLISH INJECTION RATE @ 32 BPM @ 4392 PSI. ISIP @ 3569 F.G 78. 5 MIN 3136. PUMP 5000 GAL 15% HCL, TREAT STAGE 2 PERFS W/ 3000# 100 MESH IN .5 PPG STAGE AND 60,010 # TLC 30/50 IN .5-3 PPG FLUSH TO TOP PERF ISDP @ 3,905, F.G .81, AVG RATE 57.7 BPM, MAX RATE 73.4 BPM, AVE PRES 4,894 MAX PRES 6,101. AVE HORSE POWER 6,920 SWI TOT WIRELINE, STAGE 2 WATER TO RECOVER 2,191.
	14:30 16:30	2.00	STG03	21		P		RIH SET 7" CBP @ 10,231'. PERFORATE W 3 1/8" TAG-RTG GUN 22.7 GM CHARGES, 3 JSPF AND 120° PHASING. STARTING PSIG @ 2800 PEFORATE STAGE 2 10,221' TO 10,078' ENDING PSIG @ 2460.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	16:30 18:30	2.00	STG03	35		P		SIP @ 1860 PSIG, BREAK DOWN STAGE 3 PERFS 10 BPM @ 2,460 PSIG, ESTABLISH INJECTION RATE @ 27 BPM @ 3022 PSI. ISIP @ 1642 F.G 59. 5 MIN 1566. PUMP 5000 GAL 15% HCL, TREAT STAGE 3 PERFS W/ 3000# 100 MESH IN .5 PPG STAGE AND 60,390 # TLC 30/50 IN .5-3 PPG FLUSH TO TOP PERF ISDP @ 2,096, F.G .64, AVG RATE 59 BPM, MAX RATE 76.7 BPM, AVE PRES 3,386 MAX PRES 4,885. AVE HORSE POWER 4,896 SWI TOT WIRELINE, STAGE 3 WATER TO RECOVER 2,153.
	18:30 19:30	1.00	STG03	18		P		SHUT FRAC VALVE, SHUT AND LOCK UPPER AND LOWER HCR VALVES. SHUT CASING VALVES AND INSTALL NIGHT CAPS. BLEED DOWN KNOCK OFF LINES ON WELL HEAD. INSTALL NIGHT CAPS.
3/4/2015	6:00 7:30	1.50	RDMO	28		P		CT TGSM & JSA (RD FRAC EQUIPMNET)
	7:30 10:30	3.00	RDMO	02		P		CSIP @ VACUUM. RD WIRE LINE AND FRAC EQUIPMENT MOL
	10:30 11:30	1.00	RDMO	16		P		ND STACK, NU TESTED BOPE.
	11:30 16:30	5.00	INSTUB	39		P		RU WORK FLOOR AND TUBING EQUIPMENT. PUMU & RIH W/ 6" BIT, BIT SUB 312 JOINTS 2 7/8" 8RD EUE TBG. SHUT AND LOCK PIPE RAMS, SHUT CASING VALVES INSTALL NIGHT CAPS. INSTALL AND SHUT 2 7/8" TIW VALVE, INSTALL NIGHT CAP.
3/5/2015	6:00 6:00	24.00	PRDHEQ	18		P		NO ACTIVITY ON LOCATION QUARTERLY SAFETY MEETING
3/6/2015	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA (OVER HEAD LOADS & PINCH POINTS)
	7:30 15:00	7.50	WOR	40		P		CIH W/ 6 JTS TAG SAND AT 10239' RU POWER SWIVEL, BREAK CIRCULATION W/ 255 BBLS, CIRC CLEAN, TAG PLUG @ 10,256', DRILL UP CBP, TAG SAND @ 10,345' W/ JT # 321', TAG 2ND PLUG @ 10,370' TM. DRILL OUT PUSH TO 11,417' TM. W/ JT# 353. BREAK CIRCULATION CLEAN UP REMAINS ON LINER TOP. CIRCULATE CLEAN.
	15:00 18:00	3.00	WOR	39		P		LAY DOWN 53 JTS 2 7/8", COOH W/ 180 JTS 2 7/8" 8RD EUE TBG. EOT @ 3840'. SHUT AND LOCK PIPE RAMS. SHUT CASING VALVES INSTALL NIGHT CAPS, INSTALL AND SHUT TIW VALVE W/ NIGHT CAP.
3/7/2015	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA (PULLING AND RUNNING TBG)
	7:30 9:30	2.00	WOR	39		P		COOH W/ 120 JTS 2 7/8" 8RD EUE TBG, LAY DOWN BIT SUB, 6" BIT. MIRU HYDRO TESTING EQUIPMENT.
	9:30 14:30	5.00	INSTUB	39		P		PUMU & RIH W/ 5 3/4" SOLID NO-GO, 2 JTS 2 7/8", 5 1/2" PBGA, PUP JT, +45 PSN, PUP JT, 4 JTS, 7" TECH TAC, 294 JTS 2 7/8" SET TAC AT 9506, LAND W/ PUP JT, ND BOPE, RELAND IN 25K TENSION, PSN @ 9640', EOT @ 9740', NU B FLANGE, MU PUMP T, INSTALL 3/8" CAP TUBE.
	14:30 15:30	1.00	RDMO	02		P		RDMOL W/ RIG.
	15:30 16:30	1.00	MIRU	01		P		MIRU CO ROD, FLUSH TBG W/ 65 BBLS W/ BAKER COR INH.
	16:30 18:00	1.50	INARTLT	39		P		PUMU & RIH W/ 2 1/2" X 1 3/4" X 38' WALLS, 2 STAGE HVR, RHBC, 1200' 17/16, MAKE WELD, CIH W/ 4682' 15/16, SHUT CO-ROD HYDRILL, SHUT IN AND NIGHT
3/8/2015	6:00 7:30	1.50	INARTLT	28		P		CT TGSM & JSA (CO ROD OPERATIONS)
	7:30 14:30	7.00	INARTLT	39		P		MAKE WELD CIH W/ 1278' SE 6, WELD CIH W/ 1305' SE 7, WELD, CIH W/ 1011' #8, WELD ON PIN, SPACE OUT W/ 4,6,8 X 1" PONIES AND 1 1/2" X 40' P ROD.
	14:30 16:30	2.00	RDMO	02		P		F&T W/ 20 BBLS L/S TO 1000 PSIG, RD SLIDE UNIT, NO TAG TOTP.
3/9/2015	8:00 11:00	3.00	MIRU	28		P		WAIT ON RAPID RIG ARRIVE@ 11AM HELD SAFETY MEETING W/ CREW MIRU
	11:00 16:00	5.00	WBP	39		P		P/U ON POLISH ROD, ACT LIKE PUMP CAME OFF SEAT (WEIGHT INDICATOR QUITE WORKING AS WE PICKED UP) L/D 1-1/2" X 40' POLISH ROD, 8' 6' 4' X 1" PONYS TRY FLUSH NO LUCK, R/U GRIPPERS, FLUSH CO-ROD W/ 50BBLS 2%

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	16:00 18:00	2.00	PRDHEQ	39		P		1800 SPOOL OUT SE 8 1011' SE 7 1305' SE 6 1278' SE 5 4682' ROD PUMP 2-1/2" X 1-3/4" ROD PUMP
	18:00		WOR	18		P		RDMO RAPID CO ROD RIG INSTALL BULL PLUG IN TOP TBG SHUT IN ALL CSG VALVES
4/29/2016	12:00 13:30	1.50	MIRU	28		P		ROAD RIG FROM THE MOON 3-31C4 TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	13:30 15:24	1.90	MIRU	01		P		PULL TEST DEAD MAN MIRU
	15:24 17:36	2.20	WOR	16		P		CSIP 350 PSI R/U LINES BLEED OFF WELL PUMP 60 BBLs OF 2% KCL WATER DOWN TBG N/D WELL HEAD INSTALL PERFORATED TBG SUB AND HANGER w TIW VALVE N/U BOPE INSTALL TWO WAT CHECK VALVE TEST BOPE TO 4000 PSI GOOD TEST PULL TWO WAY CHECK VALVE PULL HANGER AND PERFORATED TBG SUB
	17:36 18:00	0.40	WOR	39		P		RELEASE 7" PKR SOH w 10-JTS SECURE WELL CLOSE 7" BOPE AND LOCK INSTALL TIW VALVE w NIGHT CAP SDFN
4/30/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 10:36	3.60	WOR	39		P		CSIP 100 PSI TSIP 0 PSI BLEED OFF WELL TOH w 293-JTS OF 2-7/8" TBG L/D BHA
	10:36 15:36	5.00	WOR	39		P		P/U 3 5/8" ROCK BIT 2-3/8" BIT SUB TALLY AND P/U 104- JTS OF 2-3/8" TBG CHANGE HANDLING TOOLS TALLY AND CONTINUE OUT OF DERRICK w 251- JTS OF 2-7/8" TBG TAG AT 11410' UNABLE TO GET IN LINER REPORT SHOWS CBP PART ON TOP OF LINER FROM INITIAL DRILL OUT
	15:36 18:30	2.90	WOR	10		P		R/U POWER SWIVEL ESTABLISH CIRC w 280 BBL OF 2% KCL WATER DRILL PLUG PART AT LINER TOP C/O TO 11432' CIRC CLEAN HANG BACK SWIVEL PULL ABOVE LINER TOP SECURE WELL CLOE BOPE AND LOCK INSTALL TIW VALVE w NIGHT CAP OPEN WELL TO SALES SDFN
5/1/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 14:00	7.00	WOR	10		P		CSIP 0 TSIP 100 PSI BLEED OFF WELL TIH w 2-7/8" TBG TAG AT 11442' R/U POWER SWIVEL ESTABLISH CIRC w 290 BBLs OF 2% KCL WATER CONTINUE DRILLING AND CHASING PLUG PARTS TO 11490' RIG PUMP FAILED ATTEMPT TO CIRC w HOT OIL TRUCK UNABLE TO KEEP UP R/D POWER SWIVEL TOH ABOVE LINER
	14:00 16:40	2.67	WOR	18		N		RDMO PEAK HOT OIL TRUCK REPAIRING PUMP
	16:40 20:00	3.33	WOR	10		P		TIH w 2-7/8" TBG TAG AT 11490' ESTABLISH CIRC CONTINUE DRILL AND CHASING PLUG PART WELL WENT ON VACUUM RE-ESTABLISH CIRC...CIRC CLEAN R/D POWER SWIVEL TIH TO TAG TOP OF CMT AT 12580' NO CMT NO PLUG TIH TO 12921' TOH w 50-JTS ABOVE LINER TOP EOT 11293' SECURE WELL CLOSE BOPE AND LOCK INSTALL TIW VALVE w NIGHT CAP OPEN TO SALES SDFN
								TOTAL WATER LOSE TODAY 1350 BBLs
5/3/2016	6:00 8:00	2.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATION
	8:00 9:40	1.67	WOR	10		P		CSIP 150 PSI TSIP 0 PSI TIH w 50 JTS OF 2 7/8" TBG P/U 43-JTS OF 2 7/8" TBG TAG AT 14305'
	9:40 16:25	6.75	WOR	10		P		R/U POWER SWIVEL ESTABLISH CIRC w 190 BBLs OF 2% KCL WATER CONTINUE C/O TO 14630' CIRC CLEAN R/D POWER SWIVEL
	16:25 19:00	2.58	WOR	39		P		TOH L/D 53-JTS OF 2-7/8" WORK STRING R/U SCANNING EQUIPMENT SCAN OUT w 72 JTS EOT 10720' SECURE WELL CLOSE BOPE AND LOCK 1ST BARRIER CLOSE 7" CSG VALVES 1ST BARRIER INSTALL NIGHT CAP 2ND BARRIER INSTALL TIW VALVE 1ST BARRIER w NIGHT CAP 2ND BARRIER OPEN TO SALES SDFN
5/4/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATION

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:00 12:02	5.03	WOR	39		P		CSIP ON VACUUM TSIP ON VACUUM CONTINUE TOH SCANNING TBG TTL OF 19 BLUE 297 YELLOW JTS OF 2-7/8" JTS CHANGE HANDLING TOOLS L/D 110-JTS OF 2-3/8" TBG L/D C/O ASSEMBLY
	12:02 14:45	2.72	WOR	39		P		P/U 5-3/4" 2 JTS OF 2-7/8" TBG 5-1/2" PBGA 2' X 2-7/8" TBG SUB 2-7/8" PSN 4' X 2-7/8" TBG SUB 4-JTS OF 2-7/8" TBG 7" TAC 293-JTS OF 2-7/8" TBG SET TAC AT 9492'
	14:45 17:00	2.25	WOR	16		P		N/D BOPE THREADS ON TBG STARTED TO GALLED LAND TBG N/U BOPE RELEASE 7" TAC L/D 1-JT OF 2-7/8" TBG P/U NEW JT OF 2-7/8" TBG RESET TAC AT 9492' N/D BOPE N/U WELL HEAD INSTALL 60' CAP STRING RACK OUT PUMP AND LINES
	17:00 18:00	1.00	RDMO	18		P		CLEAN LOCATION INTALL BULL PLUG w NIDDLE VALVE OPEN WELL TO SALES
5/5/2016	12:30 13:30	1.00	WOR	28		P		REVEIW JSA W/ CREW MIRU
	13:30 18:30	5.00	WOR	39		P		P/U NEW 2-1/2" X 1-3/4" X 38' HF INSERT PUMP, 3' X 3/4" GUIDE SUB, SPOOL IN THE HOLE 1200' - 17/16 SE , 4672' - 15/16 SE , 1278' - 16/16 SE , 1305' - 17/16 SE, 1011 - 18/16 SE 8' 6' 4' 2' X 1" PONY SUBS P/U 1-1/2" X 40 POLISH ROD FILL 18 PRESSURE UP 500 PSI, STROKE TEST 1000 HELD GOOD RDMO C0 ROD RIG SLIDE UNIT FORWARD TURN OVER PRODUCTION