

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Dye 3-28A1				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT BLUEBELL				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR EP ENERGY E&P COMPANY, L.P.						7. OPERATOR PHONE 713 997-5038				
8. ADDRESS OF OPERATOR 1001 Louisiana, Houston, TX, 77002						9. OPERATOR E-MAIL maria.gomez@epenergy.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Carol E. Dye Trust & R. Garold Dye Trust						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-722-3197				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') RR 1 Box 1080, Roosevelt, UT 84066						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		2500 FSL 2400 FWL		NESW	28	1.0 S	1.0 W	U		
Top of Uppermost Producing Zone		2500 FSL 2400 FWL		NESW	28	1.0 S	1.0 W	U		
At Total Depth		2500 FSL 2400 FWL		NESW	28	1.0 S	1.0 W	U		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 2400			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 900			26. PROPOSED DEPTH MD: 13900 TVD: 13900				
27. ELEVATION - GROUND LEVEL 5264			28. BOND NUMBER 400JU0708			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Roosevelt City/Ballard City				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	13.375	0 - 800	54.5	J-55 ST&C	8.8	Class G	1000	1.15	15.8
SURF	12.25	9.625	0 - 4500	40.0	N-80 LT&C	9.5	Type V	647	3.16	11.0
							Class G	194	1.31	14.3
I1	8.75	7	0 - 10050	29.0	HCP-110 LT&C	10.8	Class G	323	1.91	12.5
							Class G	236	1.65	13.0
L1	6.125	5	9850 - 13900	18.0	HCP-110 LT&C	14.9	Class G	247	1.42	16.4
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Maria S. Gomez			TITLE Principal Regulatory Analyst			PHONE 713 997-5038				
SIGNATURE			DATE 02/03/2014			EMAIL maria.gomez@epenergy.com				
API NUMBER ASSIGNED 43013528290000			APPROVAL			 Permit Manager				

**Dye 3-28A1
Sec. 28, T1S, R1W
DUCHESNE COUNTY, UT**

EP ENERGY E&P COMPANY, L.P.

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Green River (GRRV)	5,451' TVD
Green River (GRTN1)	7,056' TVD
Mahogany Bench	7,731' TVD
L. Green River	8,936' TVD
Wasatch	9,986' TVD
T.D. (Permit)	13,900' TVD

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River (GRRV)	5,451' MD / TVD
	Green River (GRTN1)	7,056' MD / TVD
	Mahogany Bench	7,731' MD / TVD
Oil	L. Green River	8,936' MD / TVD
Oil	Wasatch	9,986' MD / TVD

3. Pressure Control Equipment: (Schematic Attached)

A 5.0" by 20.0" rotating head on structural pipe from surface to 800' MD/TVD. A 5.0" by 13-3/8" Smith Rotating Head (Diverter System) from 800' MD/TVD to 4,500' MD/TVD on Conductor. A 10M BOP stack w/ rotating head, 5M annular, flex rams, blind rams, mud cross & single w/ flex ram used from 4,500' MD/TVD to 10,050' MD/TVD. A 10M BOP stack w/ rotating head, 5M annular, flex rams, blind rams, mud cross & single w/ flex ram from 10,050' MD/TVD to TD (13,900' MD/TVD).

The BOPE and related equipment will meet the requirements of the 5M and 10M system.

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi annular will be nipped up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing

will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1,500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with rotating head, 5M annular, flex rams, blind rams, mud cross & single w/ flex ram from surface shoe to TD. The BOPE will be hydraulically operated.

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

Statement on Accumulator System and Location of Hydraulic Controls:

Patterson 307 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

Auxiliary Equipment:

- A) Pason Gas Monitoring 800' - TD
- B) Mud logger with gas monitor – 4,500' to TD (13,900' MD/TVD)
- C) Choke manifold with one manual and one hydraulic operated choke
- D) Full opening floor valve with drill pipe thread
- E) Upper and lower Kelly cock
- F) Shaker, de-sander and centrifuge

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

Please refer to the attached Wellbore Diagram.

All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations for intermediate and production hole will be based on minimum 10% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. A minimum of 50% excess over gauge volume will be pumped on surface casing.

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.8 – 9.5
Intermediate	WBM	9.6 – 10.8
Production	WBM	11.0 – 14.9

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

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

Logs:

Mud Log: 4,500' MD/TVD – TD (13,900' MD/TVD)

Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from surface casing shoe to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 13,900' TVD equals approximately 10,770 psi. This is calculated based on a 0.7748 psi/ft gradient (14.9 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 7,712 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 10,050' TVD = 8,040 psi

BOPE and casing design will be based on the lesser of the two MASPs which is 7,712 psi.

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

DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	800	54.5	J-55	STC	2,740	1,130	514
SURFACE	9-5/8"	0	4500	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0	10050	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5'	9850	13900	18.00	HCP-110	STL	13,940	15,450	495

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		800	Class G + 3% CACL2	1000	100%	15.8 ppg	1.15
SURFACE	Lead	4,000	EXTENDACEM SYSTEM: Type V Cement + 5 lbm/sk Silicalite Compacted + 0.25 lbm/sk Kwik Seal + 0.125 lbm/sk Poly-E-Flake + 8% Bentonite + 0.3% D-AIR 5000	647	75%	11.0 ppg	3.16
	Tail	500	HALCEM SYSTEM: Class G Cement + 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.35% HR-5 + 0.3% D-Air 5000	194	50%	14.3 ppg	1.31
INTERMEDIATE	Lead	3,750	EXTENDACEM SYSTEM: Class G Cement + 6% Bentonite + 0.2% Econolite + 0.3% Versaset + 0.7% HR-5 + 0.3% Super CBL + 0.2% Halad(R)-322 + 0.125 lbm/sk Poly-E-Flake	323	10%	12.5 ppg	1.91
	Tail	2,300	EXPANDACEM SYSTEM: Class G Cement + 4% Bentonite + 0.25 Poly-E-Flake + 0.1% Halad-413 + 5 lb/sk Silicalite Compacted + 0.15% SA-1015 + 0.3% HR-5	236	10%	13.0 ppg	1.65
PRODUCTION LINER		4,050	EXTENDACEM (TM) SYSTEM: Class G Cement + 35% SSA-1 (Silica Flour) + 0.3% D-Air 5000 + 0.55% HR-601 + 0.5% Halad(R)-413 + 0.125 lbm/sk Poly-E-Flake + 1% Bentonite	247	25%	16.40	1.42

FLOAT EQUIPMENT & CENTRALIZERS	
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M, P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at 8,900'.
LINER	Float shoe, 1 joint, float collar, 1 joint, landing collar. Thread lock all FE. Maker joints every 1000'.

PROJECT ENGINEER(S): Brad MacAfee 713-997-6383

MANAGER: Bob Dodd

EP ENERGY E&P COMPANY, L.P.
DYE 3-28A1
SECTION 28, T1S, R1W, U.S.B.&M.

PROCEED WEST AND NORTHWESTERLY ON A PAVED STATE ROAD 121 FROM THE INTERSECTION OF STATE HIGHWAY 40 AND 200 NORTH STREET, ROOSEVELT, UTAH APPROXIMATELY 4.18 MILES TO AN INTERSECTION;

TURN RIGHT ON NORTH CRESCENT ROAD AND TRAVEL EAST THEN NORTH 1.62 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL EAST AND NORTH 0.32 MILES TO AN EXISTING WELL PAD;

CONTINUE NORTH ACROSS WELL PAD 0.08 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD;

CONTINUE NORTH THEN EAST THEN NORTH FOLLOWING ROAD FLAGS 0.50 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM ROOSEVELT, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 6.70 MILES.

EP ENERGY E & P COMPANY, L.P.

FIGURE #1

LOCATION LAYOUT FOR
DYE 3-28A1

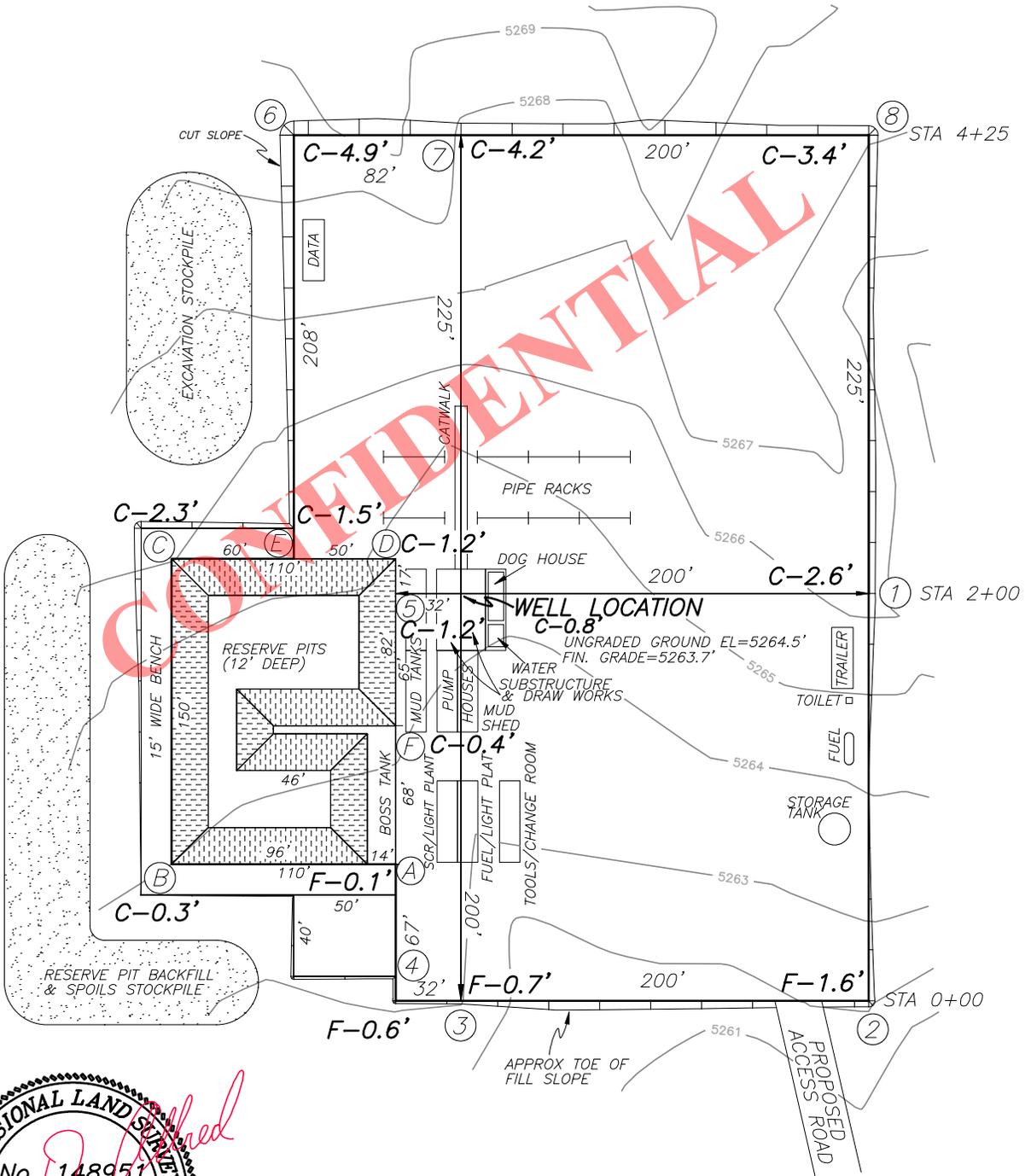
SECTION 28, T1S, R1W, U.S.B.&M.
2500' FSL, 2400' FWL

SCALE: 1"=80'



NORTH

PREVAILING WIND
DIRECTION



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

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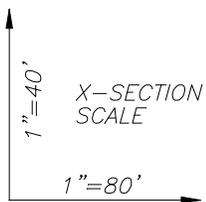
FIGURE #2

LOCATION LAYOUT FOR

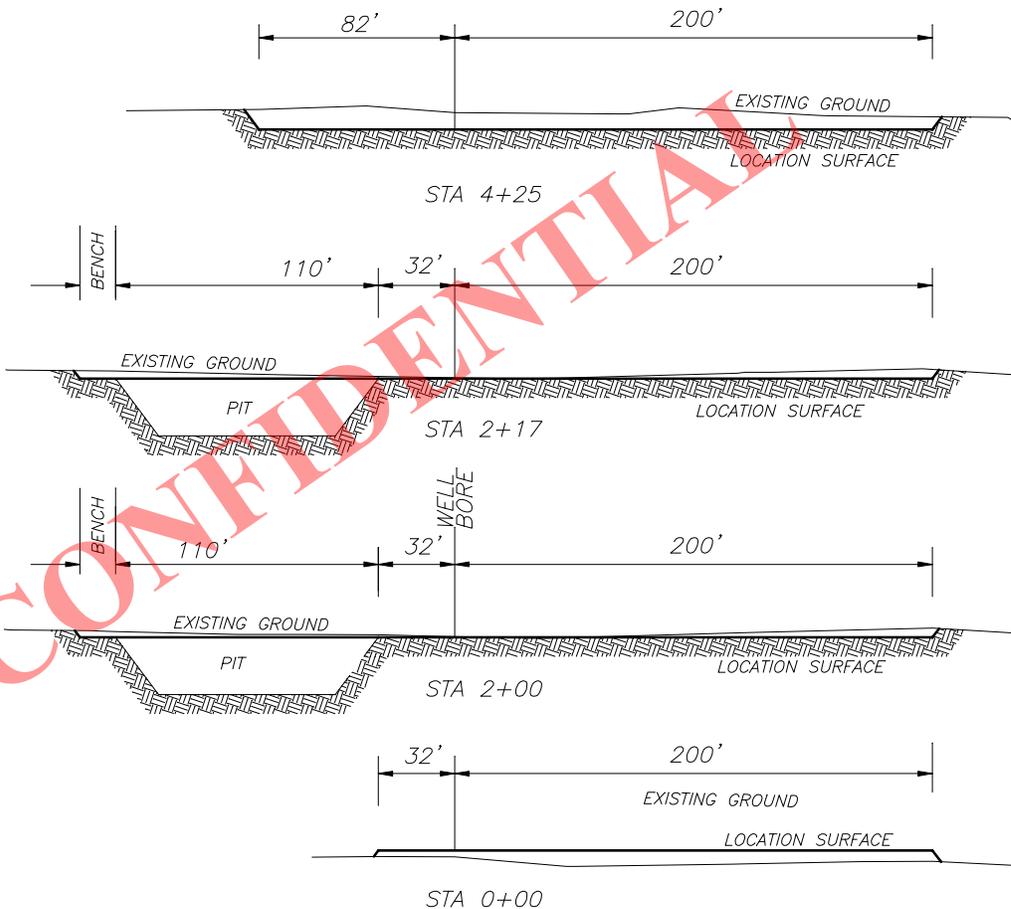
DYE 3-28A1

SECTION 28, T1S, R1W, U.S.B.&M.

2500' FSL, 2400' FWL



NOTE: ALL CUT/FILL SLOPES ARE 1½:1 UNLESS OTHERWISE NOTED



APPROXIMATE YARDAGES

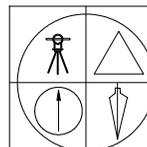
TOTAL CUT (INCLUDING PIT) = 11,831 CU. YDS.

PIT CUT = 4572 CU. YDS.
TOPSOIL STRIPPING: (6") = 2550 CU. YDS.
REMAINING LOCATION CUT = 6709 CU. YDS

TOTAL FILL = 1320 CU. YDS.

LOCATION SURFACE GRAVEL=1374 CU. YDS. (4" DEEP)

ACCESS ROAD GRAVEL=985 CU. YDS.



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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3 OCT 2012

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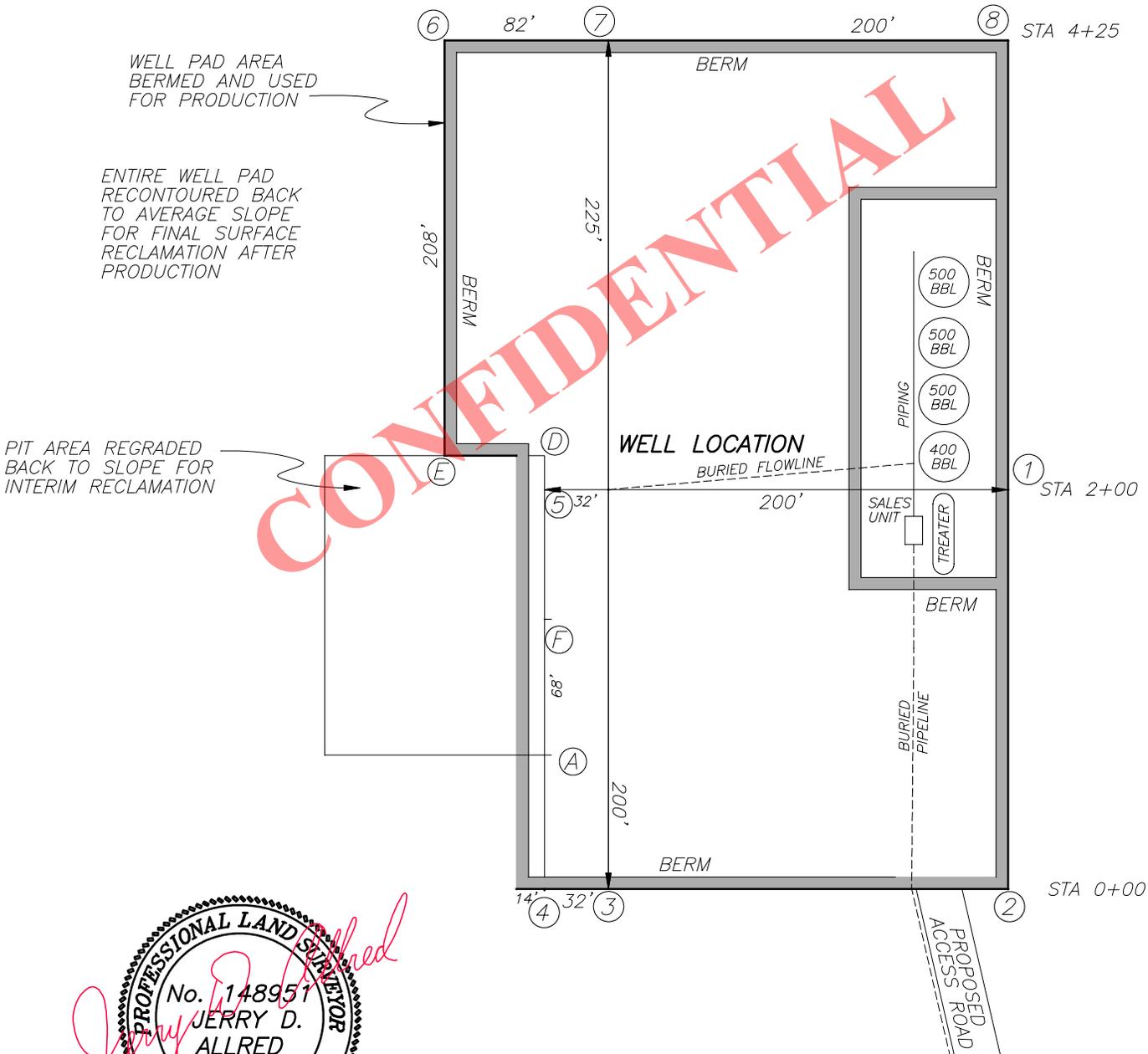
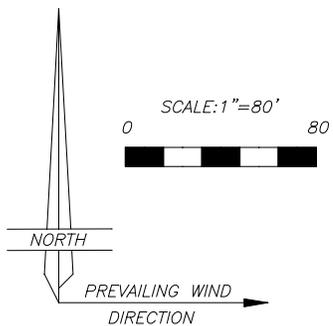
RECEIVED: May 29, 2014

EP ENERGY E & P COMPANY, L.P.

FIGURE #3

LOCATION LAYOUT FOR
DYE 3-28A1

SECTION 28, T1S, R1W, U.S.B.&M.
2500' FSL, 2400' FWL



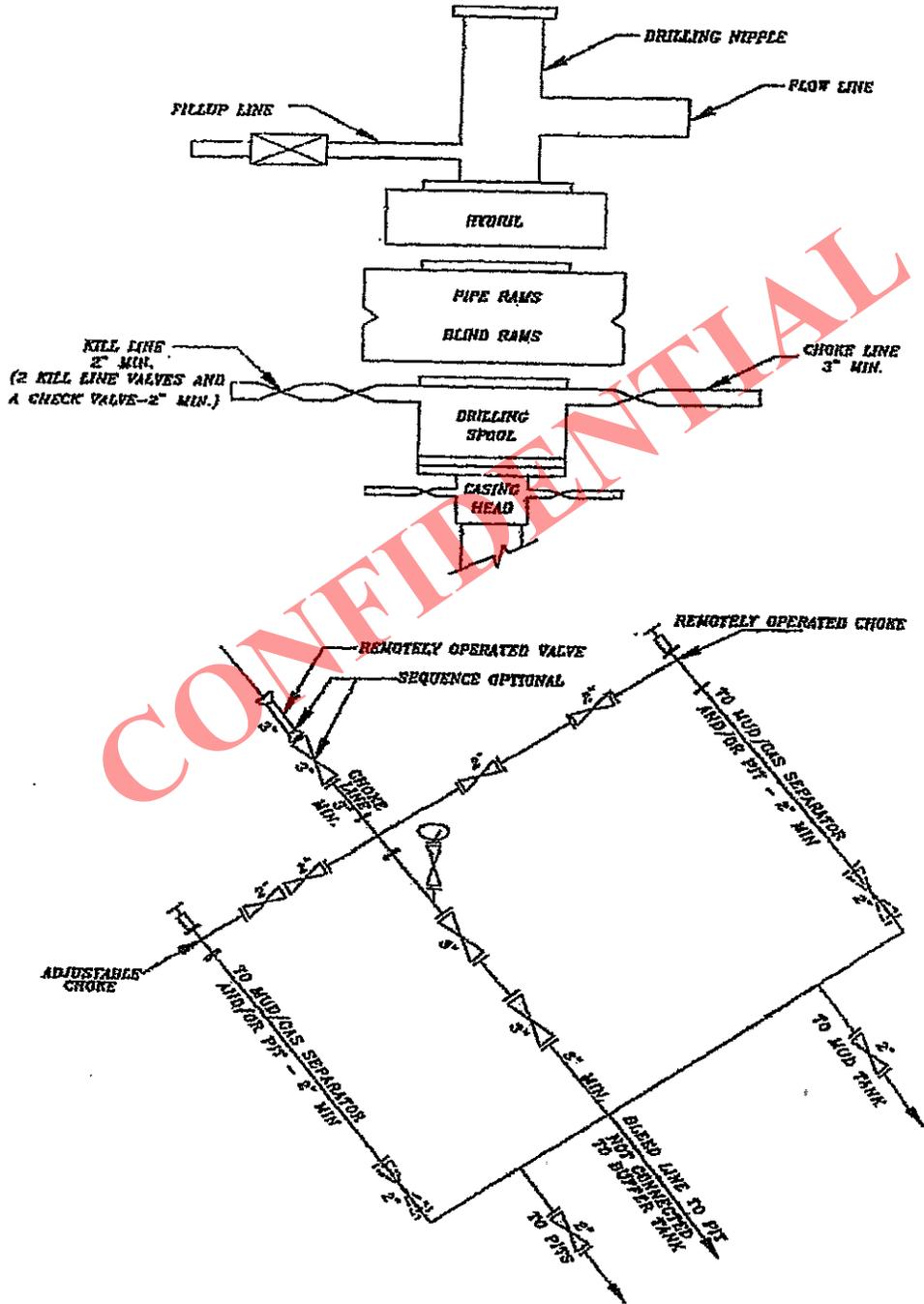
CONFIDENTIAL

Jerry D. Allred

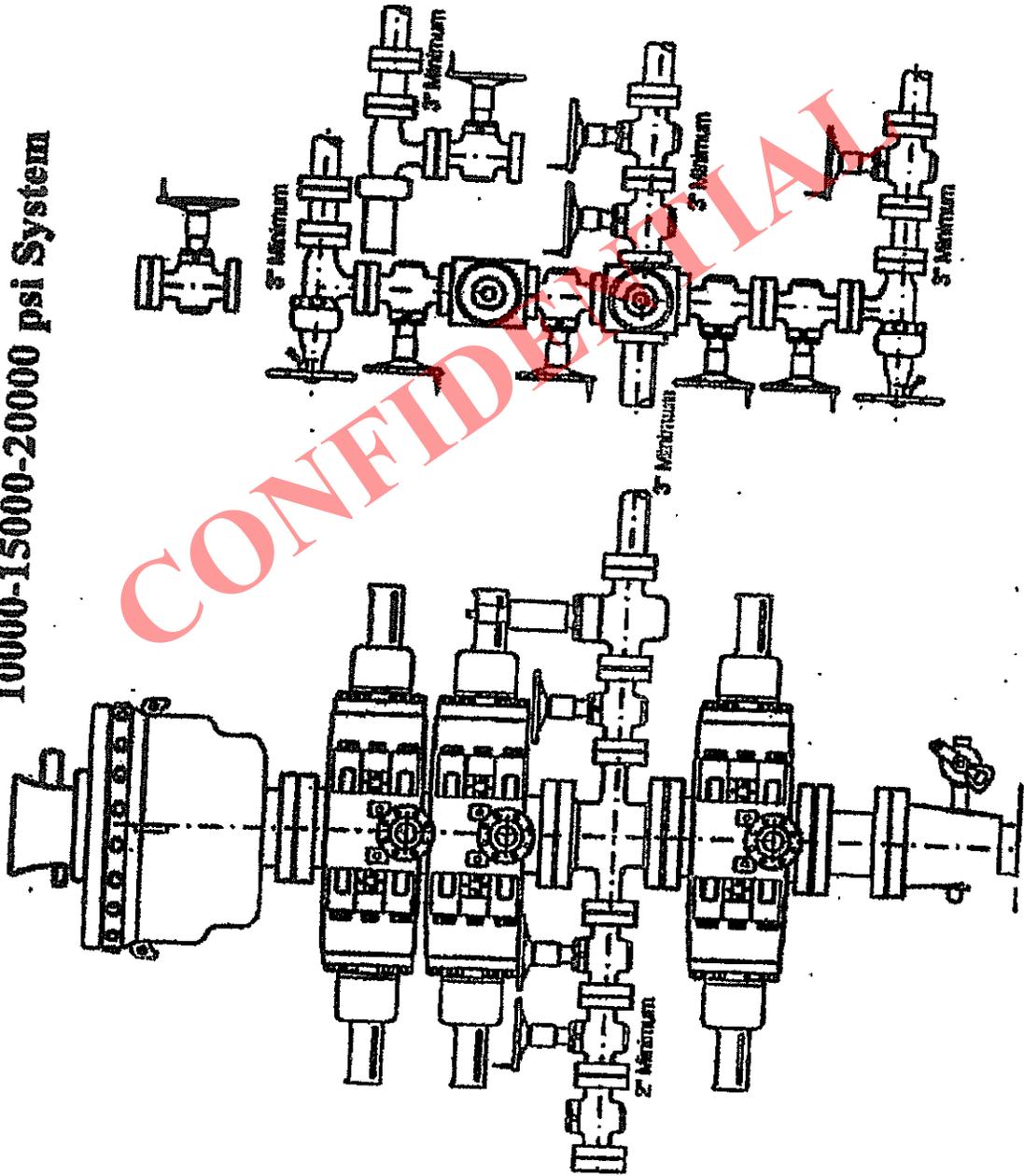
PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
2 OCT '12
STATE OF UTAH

	<p>JERRY D. ALLRED & ASSOCIATES SURVEYING CONSULTANTS</p> <p>1235 NORTH 700 EAST--P.O. BOX 975 DUCHESNE, UTAH 84021 (435) 738-5352</p>
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5M BOP STACK and CHOKE MANIFOLD SYSTEM



10000-15000-20000 psi System

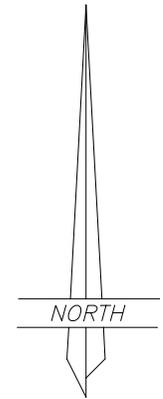
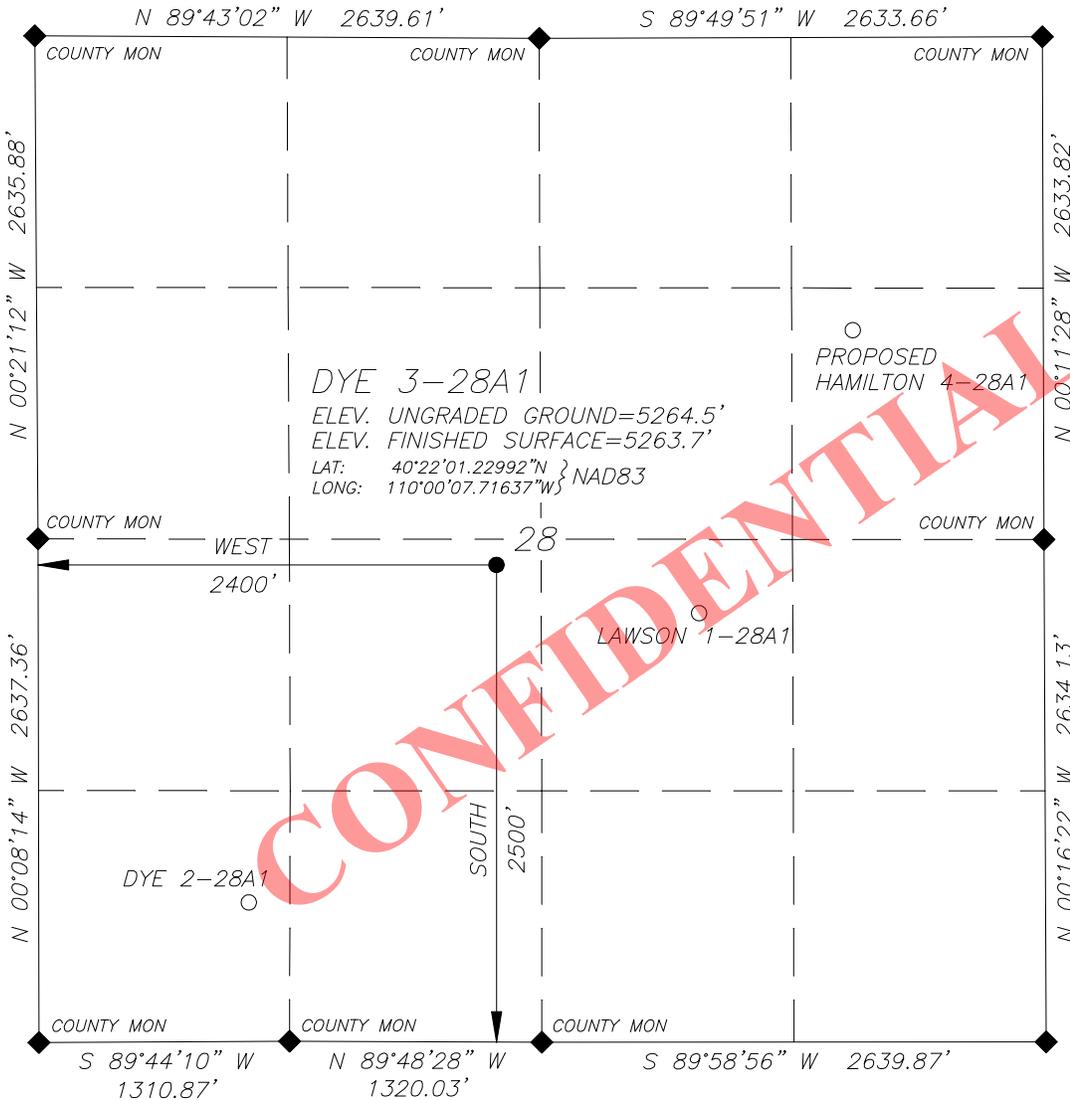


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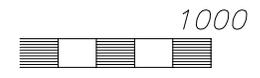
LOCATED IN THE NE¼ OF THE SW¼ OF SECTION 28, T1S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH

WELL LOCATION

DYE 3-28A1



SCALE: 1" = 1000'



NOTE:
NAD27 VALUES FOR WELL POSITION:
LAT: 40.36705127° N
LONG: 110.00143690° W

CONFIDENTIAL

SURVEYOR'S CERTIFICATE

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

LEGEND AND NOTES

◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

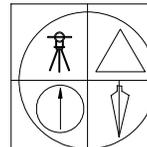
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

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

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



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

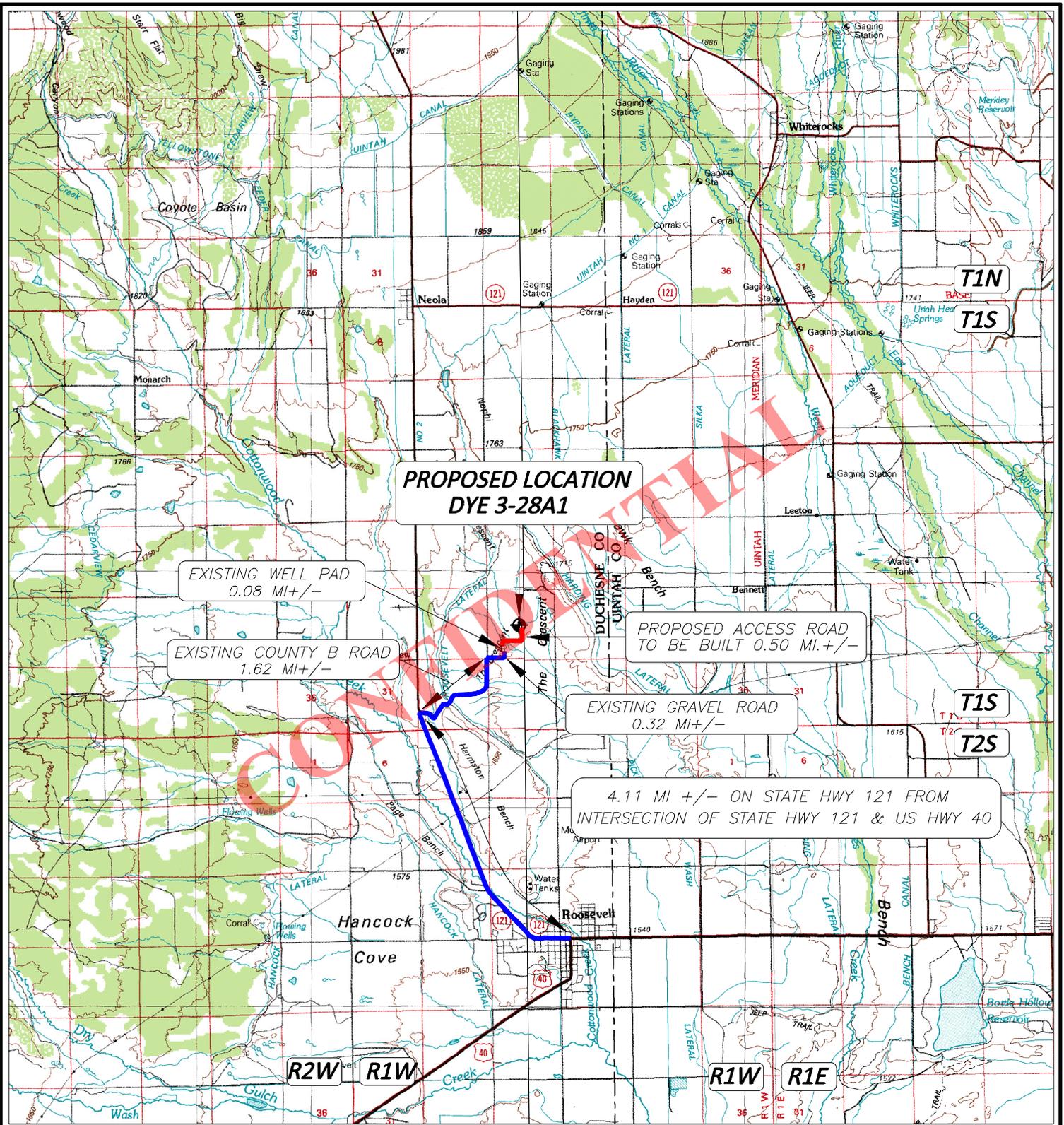


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24 SEP 2012 01-128-329

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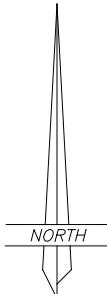
LEGEND:

◆ PROPOSED WELL LOCATION

01-128-329

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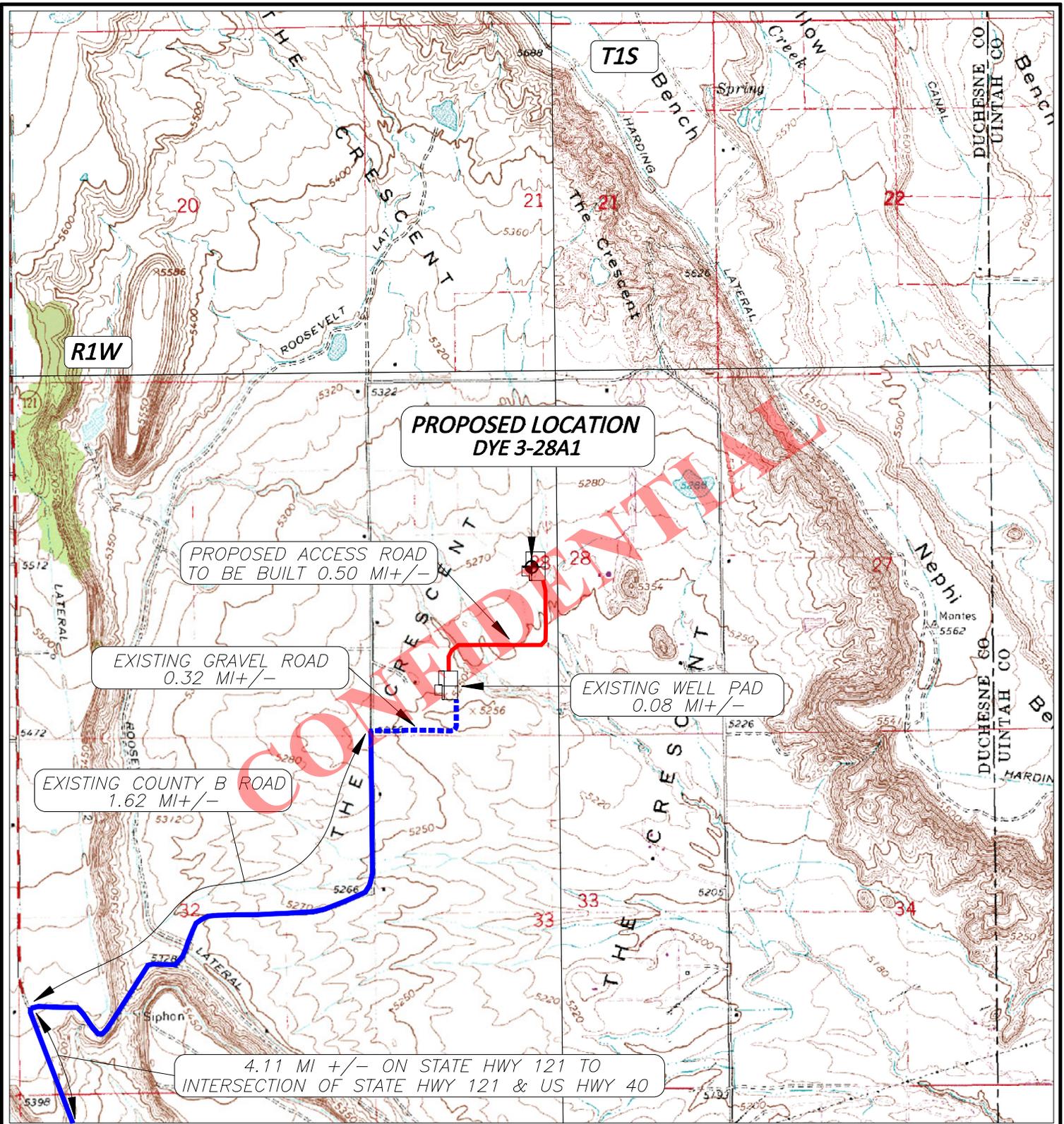
EP ENERGY E & P COMPANY, L.P.

DYE 3-28A1
SECTION 28, T1S, R1W, U.S.B.&M.

2500' FSL, 2400' FWL

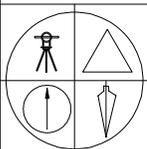
TOPOGRAPHIC MAP "A"

SCALE; 1"=10,000'
2 OCT 2012



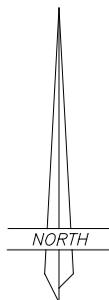
LEGEND:

-  PROPOSED WELL LOCATION
 -  PROPOSED ACCESS ROAD
 -  EXISTING GRAVEL ROAD
 -  EXISTING PAVED ROAD
- 01-128-329



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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EP ENERGY E & P COMPANY, L.P.

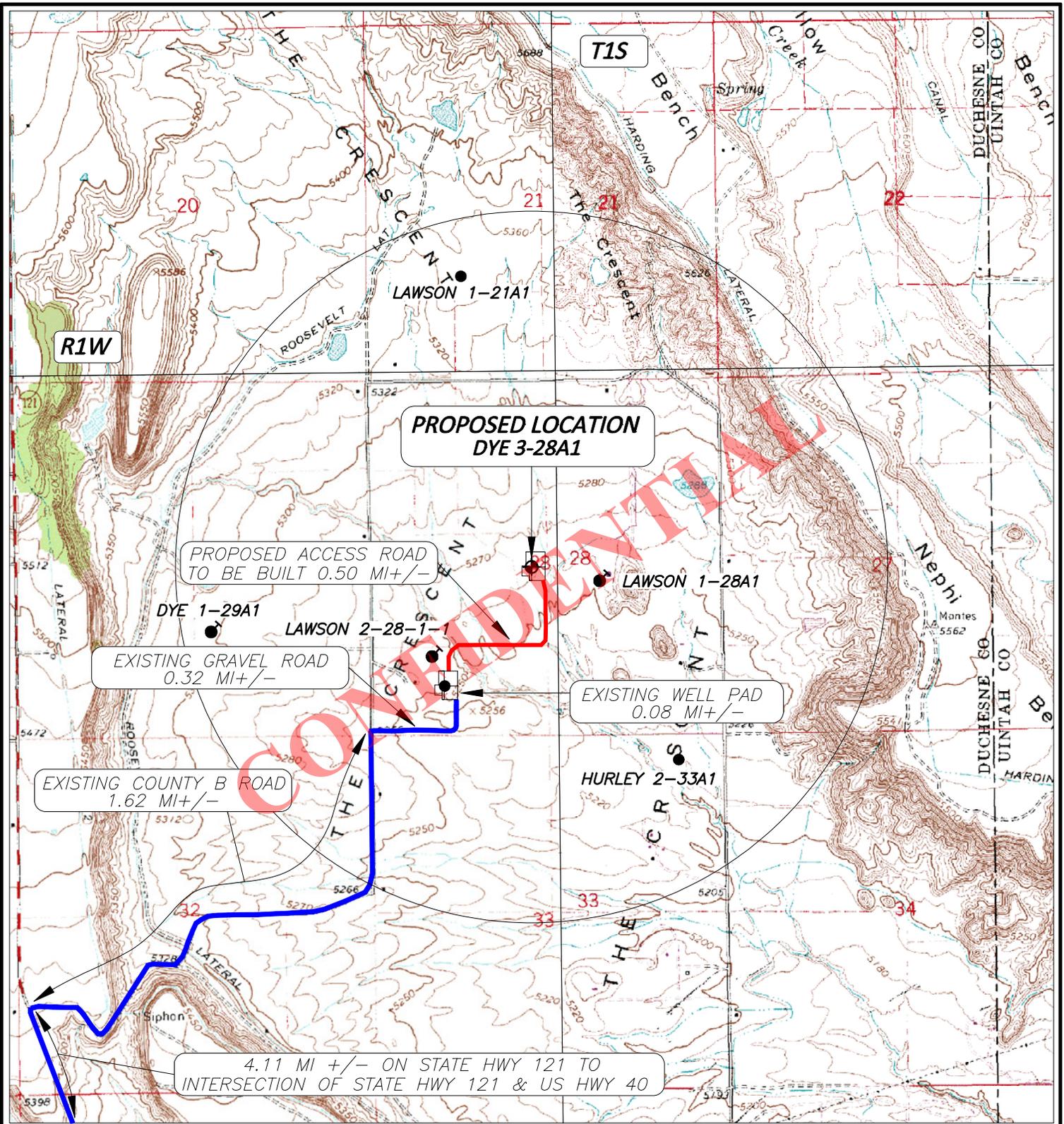
DYE 3-28A1

SECTION 28, T1S, R1W, U.S.B.&M.

2500' FSL 2400' FWL

TOPOGRAPHIC MAP "B"

SCALE: 1"=2000'
2 OCT 2012

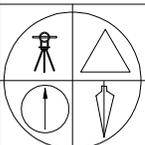


LEGEND:

⊕ PROPOSED WELL LOCATION

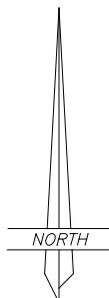
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● ⊕ + ⊕

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121 NORTH CENTER ST.--P.O. BOX 975
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EP ENERGY E & P COMPANY, L.P.

DYE 3-28A1

SECTION 28, T1S, R1W, U.S.B.&M.

2500' FSL 2400' FWL

TOPOGRAPHIC MAP "C"

SCALE; 1"=2000'

2 OCT 2012

AFFIDAVIT OF SURFACE DAMAGE AND RIGHT-OF-WAY AGREEMENTS

Orion L. Mitchell personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Orion L. Mitchell. I am a Landman for EP Energy E&P Company, L.P., formally known as El Paso E&P Company, L.P., whose address is 1001 Louisiana Street, Houston, Texas 77002 ("EP Energy").
2. EP Energy is the operator of the proposed Dye 3-28A1 well ("the Well") to be located in the NE/4SW/4 of Section 28, Township 1 South, Range 1 West, U.S.B.&M., Duchesne County, Utah (the "Drillsite Location"). The surface owners of the Drillsite Location are Carol E. Dye Trust, dated November 24, 2008, represented by R. Garold Dye and Carol E. Dye as Trustees, whose mailing address is RR 1 Box 1080, Roosevelt, UT 84066-9704 and whose telephone number is 435-722-3197 and R. Garold Dye Trust, dated November 24, 2008, represented by R. Garold Dye and Carol E. Dye as Trustees, whose mailing address is Route 1 Box 1080, Roosevelt, UT 84066 and whose telephone number is 435-722-3197 (the "Surface Owners").
3. EP Energy and the Surface Owners have entered into a Damage Settlement and Release Agreement dated August 14, 2013 to cover any and all injuries or damages of every character and description sustained by the Surface Owners or Surface Owner's property as a result of operations associated with the drilling of the Well.
4. EP Energy and the Surface Owners have also entered into a Right-of-Way Agreement dated August 14, 2013 for an access road and pipeline corridor across the SW Section 28, Township 1 South, Range 1 West, U.S.B.&M., Duchesne County, Utah.

FURTHER AFFIANT SAYETH NOT.



 Orion L. Mitchell

ACKNOWLEDGMENT

STATE OF TEXAS §
 §
 COUNTY OF HARRIS §

This instrument was acknowledged before me on this 15th day of September, 2013 by Orion L. Mitchell as a Landman for EP ENERGY E&P COMPANY, L.P., a Delaware limited partnership, on behalf of said partnership and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.





 Notary Public in and for State of Texas

EP Energy E&P Company, L.P.

Related Surface Information

1. Current Surface Use:

- Livestock Grazing and Oil and Gas Production.

2. Proposed Surface Disturbance:

- The road will be crown and ditch. Water wings will be constructed on the access road as needed.
- The topsoil will be windrowed and re-spread in the borrow area.
- New road to be constructed will be approximately .50 miles in length and 66 feet wide.
- All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

3. Location Of Existing Wells:

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

4. Location And Type Of Drilling Water Supply:

- Drilling water: Duchesne City Water

5. Existing/Proposed Facilities For Productive Well:

- There are no existing facilities that will be utilized for this well.
- A pipeline corridor .50 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
- Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

6. Construction Materials:

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

7. Methods For Handling Waste Disposal:

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

8. Ancillary Facilities:

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

9. Surface Reclamation Plans:

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

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

10. Surface Ownership:

Carol E. Dye Trust and R. Garold Dye Trust
R. Garold Dye & Carol E. Dye as Trustees
RR 1 Box 1080
Roosevelt, Utah 84066-9704
435-722-3197

Other Information:

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

• **Operator and Contact Persons:**

Construction and Reclamation:

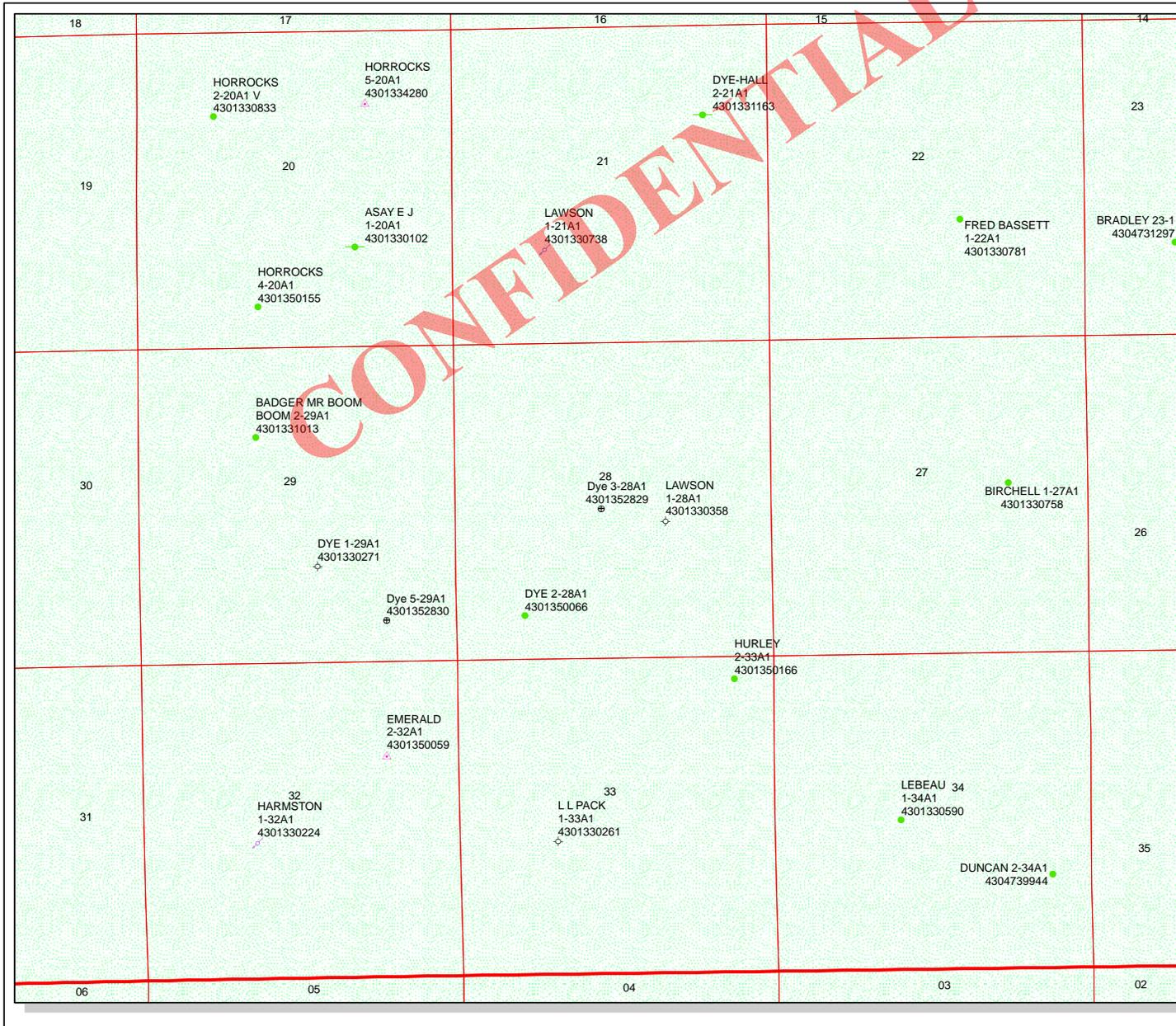
EP Energy E&P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

Regarding This APD

EP Energy E&P Company, L.P.
Maria S. Gomez
1001 Louisiana, Rm 2730D
Houston, Texas 77002
713-997-5038 – Office

Drilling

EP Energy E&P Company, L.P.
Brad MacAfee – Drilling Engineer
1001 Louisiana, Rm 2660D
Houston, Texas 77002
713-997-6383 – office
281-813-0902 – Cell



API Number: 4301352829

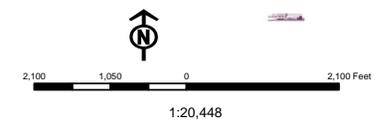
Well Name: Dye 3-28A1

Township: T01.0S Range: R01.0W Section: 28 Meridian: U

Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared: 2/6/2014
Map Produced by Diana Mason

Wells Query		Units	
	APD - Approved Permit		ACTIVE
	DRL - Spudded (Drilling Commenced)		EXPLORATORY
	GIW - Gas Injection		GAS STORAGE
	GS - Gas Storage		NF PP OIL
	LOC - New Location		NF SECONDARY
	OPS - Operation Suspended		PI OIL
	PA - Plugged Abandoned		PP GAS
	PGW - Producing Gas Well		PP GEOTHERML
	POW - Producing Oil Well		PP OIL
	SGW - Shut-in Gas Well		SECONDARY
	SOW - Shut-in Oil Well		TERMINATED
	TA - Temp. Abandoned	Fields	
	TW - Test Well		Unknown
	WDW - Water Disposal		ABANDONED
	WW - Water Injection Well		ACTIVE
	WSW - Water Supply Well		COMBINED
			INACTIVE
			STORAGE
			TERMINATED



Well Name	EP ENERGY E&P COMPANY, L.P. Dye 3-28A1 43013528290000			
String	Cond	Surf	I1	L1
Casing Size(")	13.375	9.625	7.000	5.000
Setting Depth (TVD)	600	4000	10050	13900
Previous Shoe Setting Depth (TVD)	0	600	4000	10050
Max Mud Weight (ppg)	8.8	9.5	11.0	14.9
BOPE Proposed (psi)	1000	1000	10000	10000
Casing Internal Yield (psi)	2730	5750	11220	13940
Operators Max Anticipated Pressure (psi)	10770			14.9

Calculations	Cond String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	275	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	203	YES <input type="checkbox"/> 4.5 x 20 rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	143	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	143	NO <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		600	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

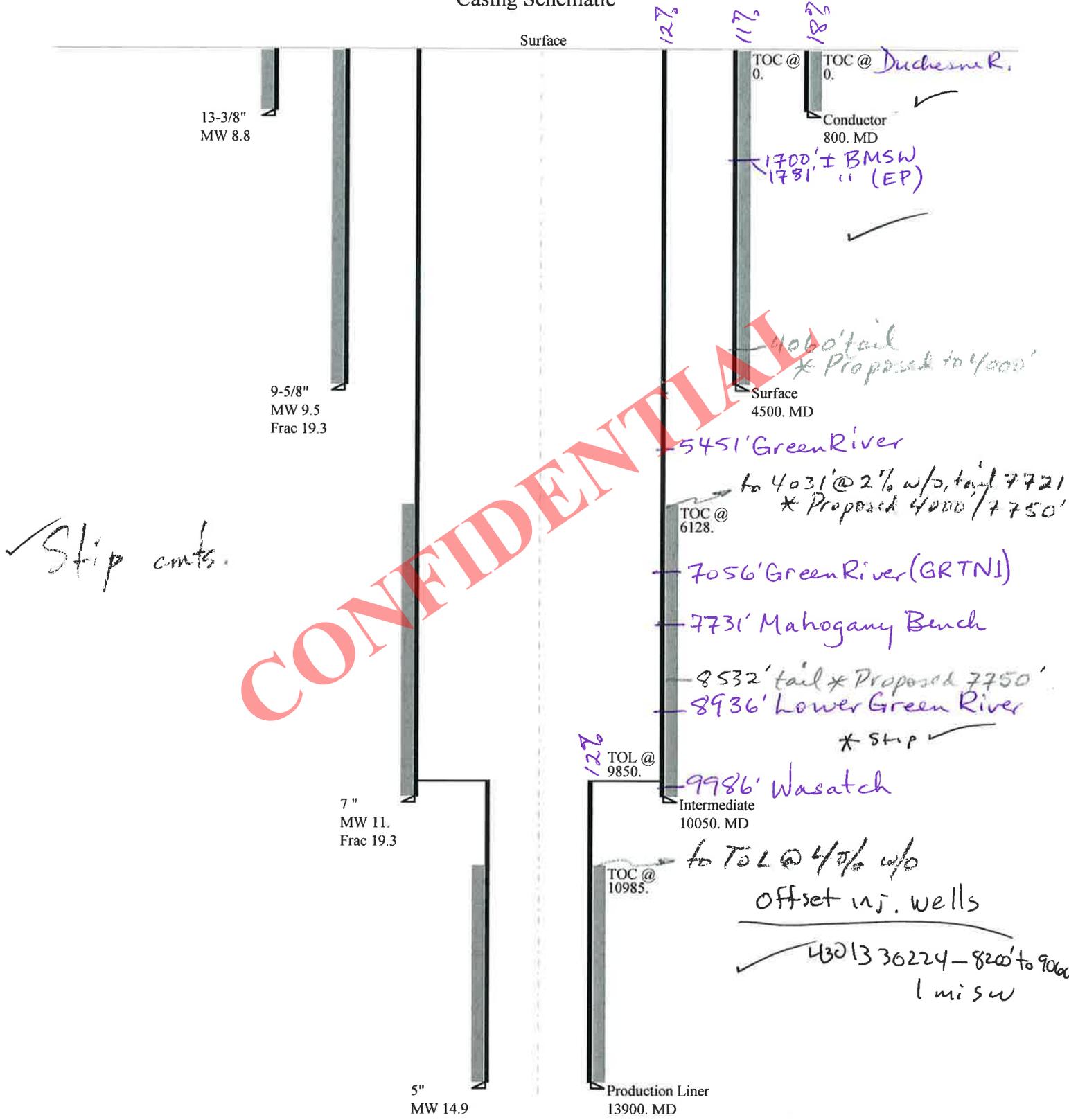
Calculations	Surf String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1976	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1496	NO <input type="checkbox"/> 4.5 x 13 3/8 rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1096	NO <input type="checkbox"/> Ok
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1228	NO <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		4000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		600	psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	5749	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4543	YES <input type="checkbox"/> 10M BOPE w/rotating head, 5M annular, blind rams, flex
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3538	YES <input type="checkbox"/> rams, mud cross
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	4418	NO <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		7854	psi
*Max Pressure Allowed @ Previous Casing Shoe=		4000	psi *Assumes 1psi/ft frac gradient

Calculations	L1 String	5.000	"
Max BHP (psi)	.052*Setting Depth*MW=	10770	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	9102	YES <input type="checkbox"/> 10M BOPE w/rotating head, 5M annular, blind rams, flex
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	7712	YES <input type="checkbox"/> rams, mud cross
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	9923	YES <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		9758	psi
*Max Pressure Allowed @ Previous Casing Shoe=		10050	psi *Assumes 1psi/ft frac gradient

43013528290000 Dye 3-28A1

Casing Schematic



✓ Slip cmts.

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TOC @ 0. TOC @ 0. *Duchess R.*

Conductor 800. MD
1700' ± BMSW
1731' (EP)

4060' tail * Proposed to 4000'
Surface 4500. MD

5451' Green River
to 4031' @ 2% w/p, tail 7721'
* Proposed 4000' / 7750'

7056' Green River (GRTN1)

7731' Mahogany Bench

8532' tail * Proposed 7750'

8936' Lower Green River

* Slip ✓
9986' Wasatch

Intermediate 10050. MD

to TOL @ 4 3/4" w/p
offset in j. wells

TOC @ 10985.

TOC @ 9850.

TOC @ 6128.

4301330224 - 8200' to 9000'
1 mi SW

12 3/4

12 3/4

11 3/4

18 3/4

5" MW 14.9

Production Liner 13900. MD

7" MW 11. Frac 19.3

13-3/8" MW 8.8

9-5/8" MW 9.5 Frac 19.3

Surface

Well name:	43013528290000 Dye 3-28A1	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Conductor	Project ID: 43-013-52829
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 8.800 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 85 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 270 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 366 psi

No backup mud specified.

Tension:

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

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 696 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	800	13.375	54.50	J-55	ST&C	800	800	12.49	9926
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	366	1130	3.090	366	2730	7.46	37.9	514	13.55 J

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

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

Date: May 29, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 800 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013528290000 Dye 3-28A1	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Surface	Project ID: 43-013-52829
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 137 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 3,960 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 4,500 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
Neutral point: 3,864 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 10,050 ft
Next mud weight: 11.000 ppg
Next setting BHP: 5,743 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 4,500 ft
Injection pressure: 4,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	4500	9.625	40.00	N-80	LT&C	4500	4500	8.75	57262
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	2221	3090	1.391	4500	5750	1.28	154.6	737	4.77 J

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

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

Date: May 29, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 4500 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013528290000 Dye 3-28A1	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Intermediate	Project ID: 43-013-52829
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 11.000 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 215 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Burst:

Design factor 1.00

Cement top: 6,128 ft

Burst

Max anticipated surface pressure: 7,701 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 9,912 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
Neutral point: 8,377 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 13,900 ft
Next mud weight: 14.900 ppg
Next setting BHP: 10,759 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 10,050 ft
Injection pressure: 10,050 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	10050	7	29.00	HCP-110	LT&C	10050	10050	6.059	113491
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	5743	9200	1.602	9912	11220	1.13	242.9	797	3.28 J

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

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

Date: May 29, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 10050 ft, a mud weight of 11 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013528290000 Dye 3-28A1	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Production Liner	Project ID: 43-013-52829
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 14.900 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 7,701 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 10,759 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: 1.60 (B)

Tension is based on buoyed weight.
Neutral point: 12,970 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 269 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 10,985 ft

Liner top: 9,850 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)	Est. Cost (\$)
1	4100	5	18.00	HCP-110	ST-L	13900	13900	4.151	324704
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	10759	15360	1.428	10759	13940	1.30	57.1	341	5.98 J

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

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

Date: May 29, 2014
Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 13900 ft, a mud weight of 14.9 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator EP ENERGY E&P COMPANY, L.P.
Well Name Dye 3-28A1
API Number 43013528290000 **APD No** 9353 **Field/Unit** BLUEBELL
Location: 1/4,1/4NESW **Sec** 28 **T w** 1.0S **Rng** 1.0W 2500 FSL 2400 FWL
GPS Coord (UTM) 584718 4468972 **Surface Owner** Carol E. Dye Trust & R. Garold Dye Trust

Participants

Garold Dye (landowner); Wayne Garner (EP Energy); Dennis Ingram (Division of Oil, Gas & Mining); Mike Barneck (land man)

Regional/Local Setting & Topography

The Dye 3-28A1 is proposed in northeastern Utah approximately four miles north of Roosevelt in what is known as "The Crescent," a broad drainage that heads east of Neola and opens into the Uintah Basin at its mouth. This broad draw is typical of the region and has farmland used for cow pasture which is still utilizes irrigation water to raise crops. Undeveloped lands adjacent to proposed well pad are salt grass, cottonwood stand, and Russian Olive stands, alkaline soils at the surface immediately north of the proposed pad; irrigated pasture to east and west. The topography at the proposed well pad is nearly flat but slopes to the south, with timber and hay fields to the west; surface water, Russian Olive and hay fields to the east.

Surface Use Plan

Current Surface Use

Grazing
Agricultural

New Road Miles

0.5

Well Pad

Width 342 **Length** 425

Src Const Material

Offsite

Surface Formation

UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands Y

Flora / Fauna

Russian Olive tree, cottonwood trees, rabbit brush, sage brush, bunch grass;

Mule deer, coyote, rabbit, raccoon, skunk, and smaller mammals native to region, also native birds, hawks, owl and eagle potential.

Soil Type and Characteristics

Reddish fine grained sandy loam with some clays and sands.

Erosion Issues N

Sedimentation Issues N**Site Stability Issues** Y

Will need to bring in fill

Drainage Diversion Required? Y

Ditch down east side, running irrigation water

Berm Required? Y**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)		20
Distance to Surface Water (feet)	200 to 300	10
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Unknown	10
Final Score		65

1 Sensitivity Level

Characteristics / Requirements

Proposed off the west side of location in Russian Olive and cottonwood stands, measuring 110' wide by 150' long by 12' deep

Closed Loop Mud Required? **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?****Other Observations / Comments**

Access road proposed from the west and south leaving existing well pad then crossing two fields and one creek or wash with moving water, cattle drink from creek, need large culvert 48" to 60" to cross creek, landowner was concerned about cattle getting to water so the operator needs to adjust their plans to accommodate those cattle, old pile of cottonwood trees from last location, landowner complained EP energy was suppose to remove or burn pile and hasn't, does not want the new pile of cottonwood and Russian Olive trees piled and left in his field, operator should work with landowner to either remove timber, lowland potential wet area for well pad, operator will need to bring in road base to stabilize pad, also cut ditch down east side location to channel surface water if needed , also do not have a place shown on cut and fill sheet for top soil storage, should pile those materials north of reserve pit and show top soil on plate.

Dennis Ingram
Evaluator

3/26/2014
Date / Time

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**Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining**

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
9353	43013528290000	LOCKED	OW	P	No
Operator	EP ENERGY E&P COMPANY, L.P.		Surface Owner-APD	Carol E. Dye Trust & R. Garold Dye Trust	
Well Name	Dye 3-28A1		Unit		
Field	BLUEBELL		Type of Work	DRILL	
Location	NESW 28 1S 1W U 2500 FSL 2400 FWL GPS Coord (UTM) 584715E 4468965N				

Geologic Statement of Basis

EP proposes to set 600 feet of conductor and 2,500 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 1,700 feet. A search of Division of Water Rights records indicates that there are over 70 water wells within a 10,000 foot radius of the center of Section 28. Wells range in depth from 32 to 540 feet and average 200 feet. Listed use is domestic, irrigation and stock watering. The wells in this area probably produce water from the Duchesne River Formation. The proposed casing and cement program should adequately protect the highly used Duchesne River aquifer.

Brad Hill
APD Evaluator

4/17/2014
Date / Time

Surface Statement of Basis

The proposed access road does cross a wash with flowing water that is utilized by cattle. The operator will most likely need to upgrade this culvert with one that is 48" to 60" to allow water flow. The landowner commented that cattle will need access across and to this water so any work done will need to accommodate their livestock. Also the landowner complained about the last well where EP Energy piled the brush and timber that remains today. Mr. Dye would like the timber from the new location removed or burned rather than clogging up more property.

Two to three feet of road base will need brought in to provide a solid base for this pad, as white, alkali field to the north and running irrigation water immediately east of this pad. If the fill or cut from this pad presents a problem for the flow of that irrigation water to the east the operator shall install a silt fence to prevent solids from entering or obstructing water flow. A ditch might need constructed to channel this water.

A 12' deep, reserve pit is proposed along the western portion of this well pad. If water is encountered while digging this pit the operator shall notify the Division before finishing the pit. If no water is encountered, the operator needs to install a 20 synthetic liner to protect underlying ground water. The pit will also need to be fenced to keep livestock from entering.

A presite meeting was scheduled and performed to address issues and take input regarding the permitting of the Dye 3-28A1. Garold Dye is shown as the landowner of record and was

therefore invited and did attend this meeting. EP Energy claims they have a landowner agreement in place with Mr. Dye.

Dennis Ingram
Onsite Evaluator

3/26/2014
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 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. If water is encountered while digging this 12' pit the operator shall notify the Division before proceeding.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/3/2014

API NO. ASSIGNED: 43013528290000

WELL NAME: Dye 3-28A1

OPERATOR: EP ENERGY E&P COMPANY, L.P. (N3850)

PHONE NUMBER: 713 997-5038

CONTACT: Maria S. Gomez

PROPOSED LOCATION: NESW 28 010S 010W

Permit Tech Review:

SURFACE: 2500 FSL 2400 FWL

Engineering Review:

BOTTOM: 2500 FSL 2400 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.36696

LONGITUDE: -110.00220

UTM SURF EASTINGS: 584715.00

NORTHINGS: 4468965.00

FIELD NAME: BLUEBELL

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

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

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

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

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 139-84
- Effective Date: 12/31/2008
- Siting: 4 Wells Per 640 Acre
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhll
8 - Cement to Surface -- 2 strings - hmacdonald
12 - Cement Volume (3) - hmacdonald



GARY R. HERBERT
Governor

SPENCER J. COX
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

Permit To Drill

Well Name: Dye 3-28A1
API Well Number: 43013528290000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 6/2/2014

Issued to:

EP ENERGY E&P COMPANY, L.P., 1001 Louisiana, Houston, TX 77002

Authority:

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

Duration:

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

General:

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

Conditions of Approval:

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

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

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place lead cement from the pipe setting depth back to 4000' MD as indicated in the submitted drilling plan and tail to 1000' above the Lower Green River top.

Additional Approvals:

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

well:

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

Notification Requirements:

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

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

Contact Information:

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

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

Reporting Requirements:

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

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

Approved By:

Approved by:

A handwritten signature in black ink, appearing to read "J. Rogers", written in a cursive style.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: Fee
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: Dye 3-28A1	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013528290000	
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2500 FSL 2400 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 28 Township: 01.0S Range: 01.0W Meridian: U	COUNTY: DUCHESNE 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: 8/21/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" 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 type="checkbox"/> OTHER	OTHER: <input style="width:100px;" type="text"/>

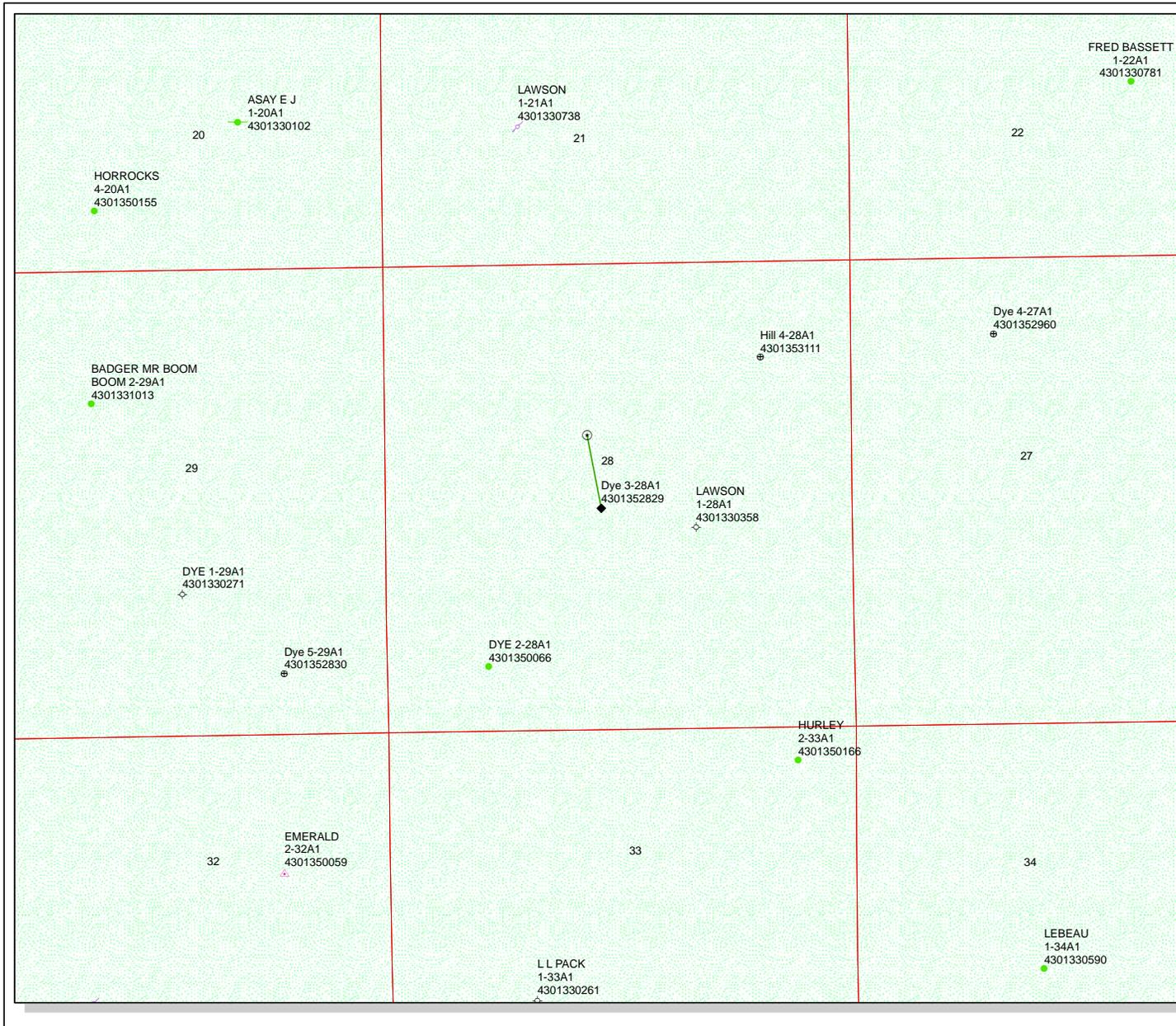
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EP has changed well to directional. Please see attached for details.

Approved by the
August 28, 2014
Oil, Gas and Mining

Date: _____
By: D.K. Quist

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 8/18/2014	



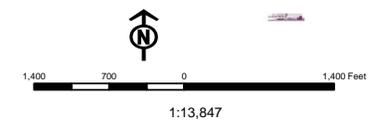
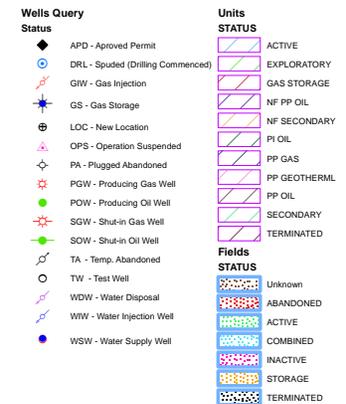
API Number: 4301352829

Well Name: Dye 3-28A1

Township: T01.0S Range: R01.0W Section: 28 Meridian: U

Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared: 8/22/2014
Map Produced by Diana Mason



**Dye 3-28A1
Sec. 28, T1S, R1W
DUCHESNE COUNTY, UT**

EP ENERGY E&P COMPANY, L.P.

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Green River (GRRV)	5,451' TVD
Green River (GRTN1)	7,056' TVD
Mahogany Bench	7,731' TVD
L. Green River	8,936' TVD
Wasatch	9,986' TVD
T.D. (Permit)	14,300' TVD

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River (GRRV)	5,461' MD / 5,451' TVD
	Green River (GRTN1)	7,079' MD / 7,056' TVD
	Mahogany Bench	7,759' MD / 7,731' TVD
Oil	L. Green River	8,973' MD / 8,936' TVD
Oil	Wasatch	10,030' MD / 9,986' TVD

3. Pressure Control Equipment: (Schematic Attached)

A 5.0" by 20.0" Diverter System on structural pipe from surface to 800' MD/TVD. A 5.0" by 13-3/8" Diverter System w/ rotating head from 800' MD/TVD to 4,505' MD / 4,500' TVD on Conductor. A 10M BOP stack w/ rotating head, 5M annular, flex rams, blind rams, mud cross & single w/ flex ram used from 4,505' MD / 4,500' TVD to 10,144' MD / 10,100' TVD. A 10M BOP stack w/ rotating head, 5M annular, flex rams, blind rams, mud cross & single w/ flex ram from 10,144' MD / 10,100' TVD to TD (14,344' MD / 14,300' TVD).

The BOPE and related equipment will meet the requirements of the 5M and 10M system.

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi annular will be nipped up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing

will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1,500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with rotating head, 5M annular, flex rams, blind rams, mud cross & single w/ flex ram from surface shoe to TD. The BOPE will be hydraulically operated.

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

Statement on Accumulator System and Location of Hydraulic Controls:

Patterson 307 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

Auxiliary Equipment:

- A) Pason Gas Monitoring 800' - TD
- B) Mud logger with gas monitor – 4,505' MD to TD
- C) Choke manifold with one manual and one hydraulic operated choke
- D) Full opening floor valve with drill pipe thread
- E) Upper and lower Kelly cock
- F) Shaker, de-sander and centrifuge

4. Proposed Casing & Cementing Program:

Please refer to the attached Wellbore Diagram.

All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations for intermediate and production hole will be based on minimum 10% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. A minimum of 50% excess over gauge volume will be pumped on surface casing.

5. Drilling Fluids Program:

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	11.0
Intermediate	WBM	9.5 – 10.1
Production	WBM	11.0 – 15.2

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

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

Logs:

Mud Log: 4,505' MD / 4,500' TVD – TD

Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from surface casing shoe to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 14,300' TVD equals approximately 11,303 psi. This is calculated based on a 0.7904 psi/ft gradient (15.2 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 8,157 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 10,100' TVD = 8,080 psi

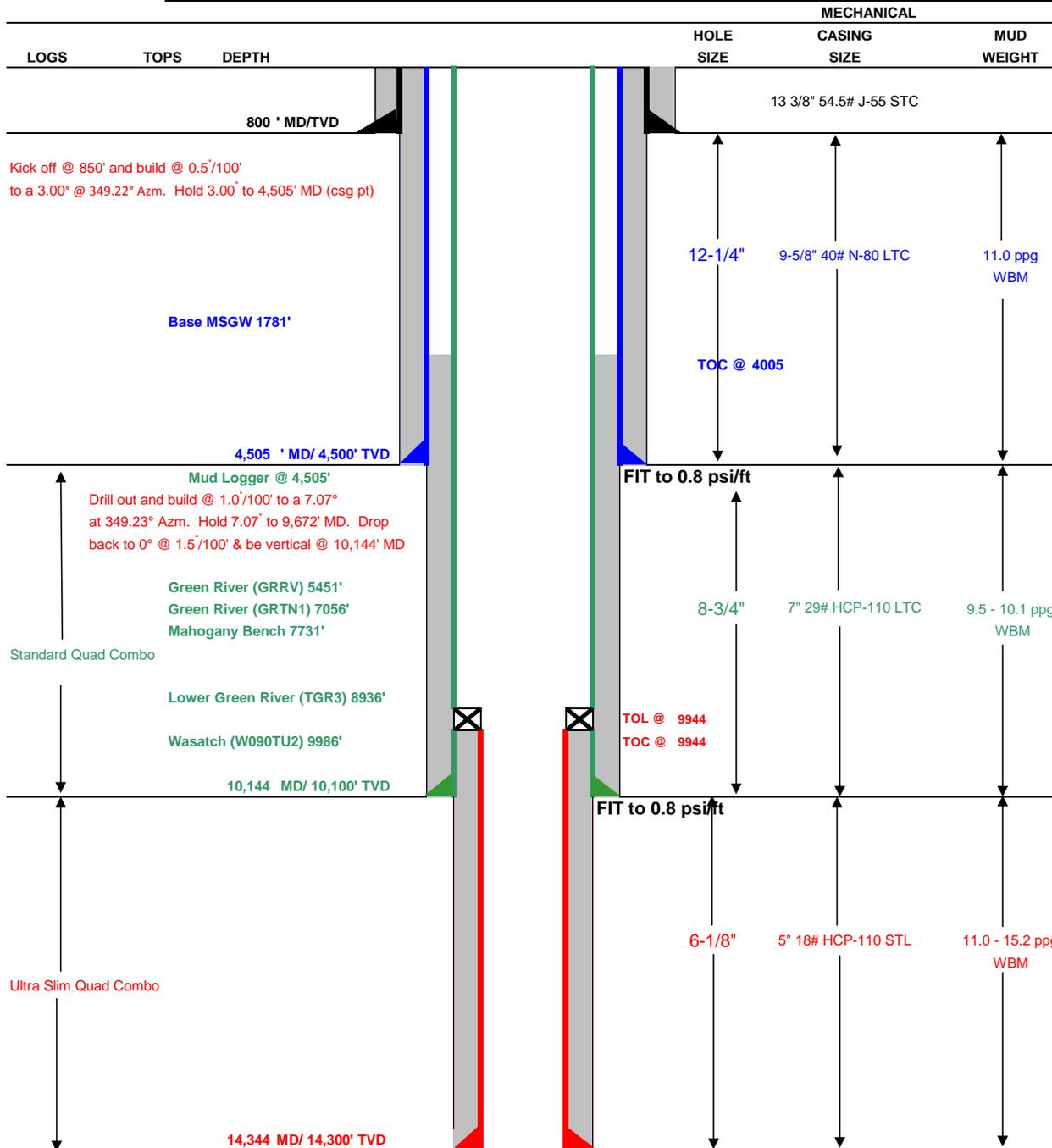
BOPE and casing design will be based on the lesser of the two MASPs which is 8,080 psi.

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



Drilling Schematic

Company Name: EP ENERGY	Date: August 11, 2014
Well Name: Dye 3-28A1	TD: 14,344
Field, County, State: Altamont, Duchesne, Utah	AFE #: TBD
Surface Location: Sec 28 T1S R1W 2500' FSL 2400' FWL	BHL: Sec 28 T1S R1W 1950' FNL 2250' FWL
Objective Zone(s): Green River, Wasatch	Elevation: 5263.7
Rig: Patterson 307	Spud (est.): TBD
BOPE Info: 5.0 x 13 3/8 Diverter Sytem w/ rotating head from 800' to 4,505' 11 10M BOP stack w/ rotating head & 5M annular from 4,505' to 10,144' 11 10M BOP stack w/rotating head, 5M annular, flex rams, blind rams, mud cross & single w/ flex ram from 10,144' to TD	



DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	800	54.5	J-55	STC	2,740	1,130	514
SURFACE	9-5/8"	0	4505	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0	10144	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5"	9944	14344	18.00	HCP-110	STL	13,940	15,450	495

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		800	Class G + 3% CACL2	1000	100%	15.8 ppg	1.15
SURFACE	Lead	3,505	EXTENDACEM SYSTEM: Type V Cement + 2% Cal-Seal + 0.35% Versaset + 0.3% D-Air 5000 + 6% Salt + 2% Econolite + 0.125 Poly-E-Flake	751	75%	12.0 ppg	2.36
	Tail	1,000	HALCEM SYSTEM: Class G Cement + 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.3% D-AIR 5000	375	50%	14.3 ppg	1.30
INTERMEDIATE	Lead	4,139	EXTENDACEM SYSTEM: Class G Cement + 6% Bentonite + 0.2% Econolite + 0.3% Versaset + 0.75% HR-5 + 0.3% Super CBL + 0.2% Halad-322 + 0.125 lb/sk Poly-E-Flake	414	30%	12.5 ppg	1.91
	Tail	2,000	EXPANDACEM SYSTEM: Class G Cement + 4% Bentonite + 0.25 Poly-E-Flake + 0.1% Halad-413 + 5 lb/sk Silicalite Compacted + 0.15% SA-1015 + 0.3% HR-5	244	30%	13.0 ppg	1.64
PRODUCTION LINER		4,400	EXTENDACEM SYSTEM: Class G Cement + 35% SSA-1 (Silica Flour) + 0.3% D-Air 5000 + 0.55% HR-601 + 0.5% Halad(R)-413 + 0.125 lbm/sk Poly-E-Flake + 1% Bentonite	269	25%	16.40	1.42

FLOAT EQUIPMENT & CENTRALIZERS	
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar. 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. Maker joint at 8,900'.
LINER	Float shoe, 1 joint, float collar, 1 joint, landing collar. Thread lock all FE. Maker joints every 1000'.

PROJECT ENGINEER(S): Brad MacAfee 713-997-6383

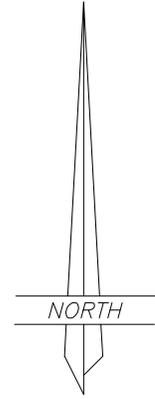
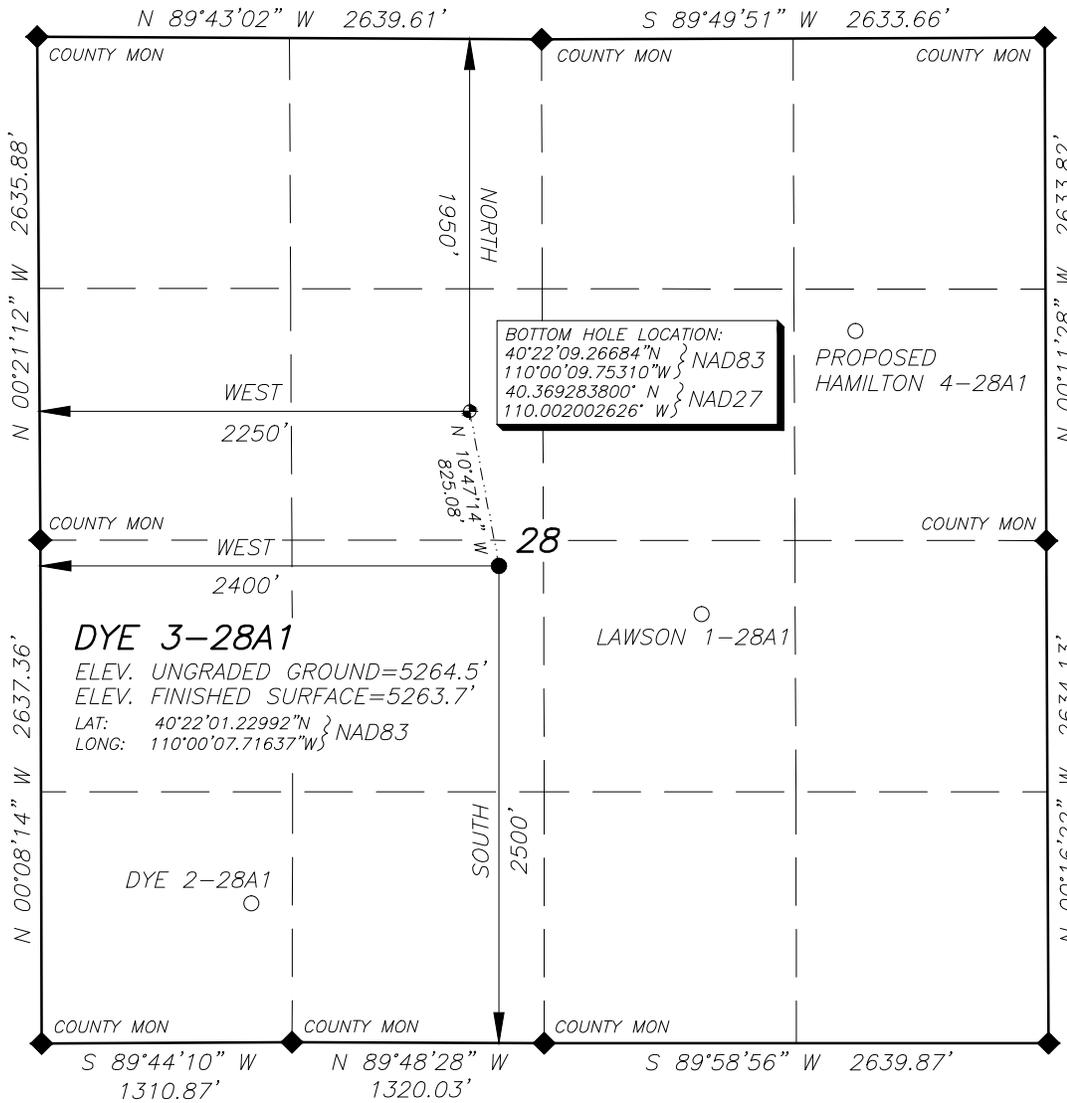
MANAGER: Bob Dodd

EP ENERGY E&P COMPANY, L.P.

WELL LOCATION

DYE 3-28A1

LOCATED IN THE NE¼ OF THE SW¼ OF SECTION 28, T1S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH



SCALE: 1" = 1000'



NOTE:
 NAD27 VALUES FOR WELL POSITION:
 LAT: 40.36705127° N
 LONG: 110.00143690° W

SURVEYOR'S CERTIFICATE

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



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

LEGEND AND NOTES

◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

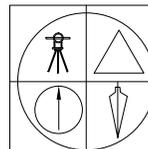
THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

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

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

REV 11 AUG 2014
 24 SEP 2012 01-128-329



JERRY D. ALLRED & ASSOCIATES
 SURVEYING CONSULTANTS

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

5D Plan Report

5D Plan Report

EP ENERGY

Field Name: *UTAH_ CENTRAL ZONE_ NAD83*
Site Name: *DYE 3-28A1*
Well Name: *DYE 3-28A1*
Plan: *P1:V1*

11 August 2014



Sundry Number: 54619 API Well

Number: 49013528290000

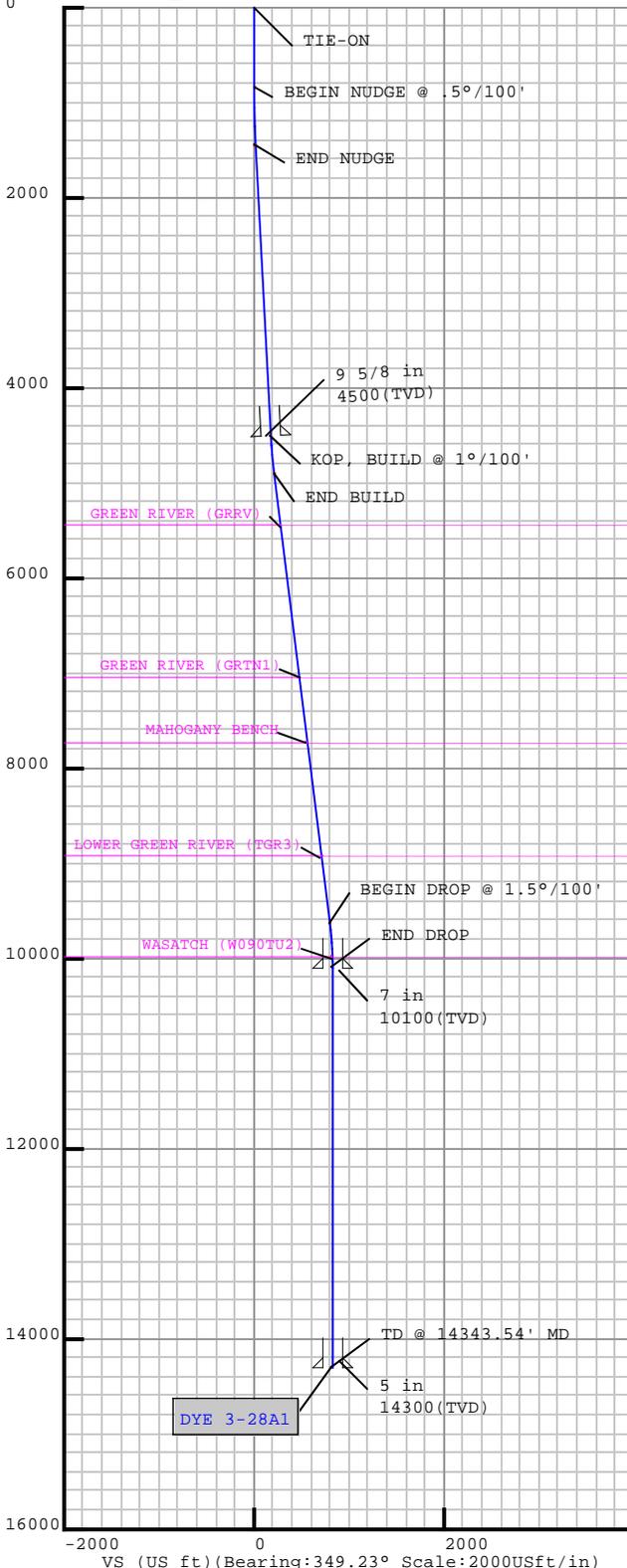


Field: UTAH_CENTRAL_ZONE_NAD83
 Map Unit: USFt Vertical Reference Datum (VRD):
 Projected Coordinate System: NAD83 / Utah Central (ftUS)

Site: DYE 3-28A1
 Unit: USFeet TVD Reference:
 Company Name: EP ENERGY
 Position: Northing: 7305907.71USft Latitude: 40.367008°
 Easting: 2057761.64USft Longitude: -110.002143°
 North Reference: True Grid Convergence: 0.96°
 Elevation Above VRD: 5263.70USft

Slot: DYE 3-28A1
 Position:
 Offset is from Site centre
 +N/-S: 0.00USft Northing: 7305907.71USft Latitude: 40.367008°
 +E/-W: 0.00USft Easting: 2057761.64USft Longitude: -110.002143°
 Elevation Above VRD: 5263.70USft

Well: DYE 3-28A1
 Type: Main-Well
 File Number:
 Vertical Section: Position offset of origin from Slot centre:
 +N/-S: 0.00USft Azimuth: 349.23°
 +E/-W: 0.00USft
 Magnetic Parameters:
 Model: Field Strength: Declination: Dip: Date:
 BGGM 52073(nT) 11.06° 65.98° 2014-08-08



Plan Point Information:
 DogLeg Severity Unit: °/100.00ft Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	VSec	DLS	Toolface	Build	Turn
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(DLSU)	(DLSU)	(°)	(DLSU)	(DLSU)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850.00	0.00	0.00	850.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1450.00	3.00	349.22	1449.73	15.43	-2.94	15.70	0.50	349.2	0.50	0.00
4504.46	3.00	349.22	4500.00	172.46	-32.84	175.56	0.00	0.0	0.00	0.00
4911.77	7.07	349.23	4905.65	207.58	-39.52	211.31	1.00	0.0	1.00	0.00
9672.00	7.07	349.23	9629.66	783.42	-149.03	797.47	0.00	0.0	0.00	0.00
10143.54	0.00	0.00	10100.00	811.97	-154.46	826.53	1.50	180.0	-1.50	0.00
14343.54	0.00	0.00	14300.00	811.97	-154.46	826.53	0.00	0.0	0.00	0.00

Formation Point Information:

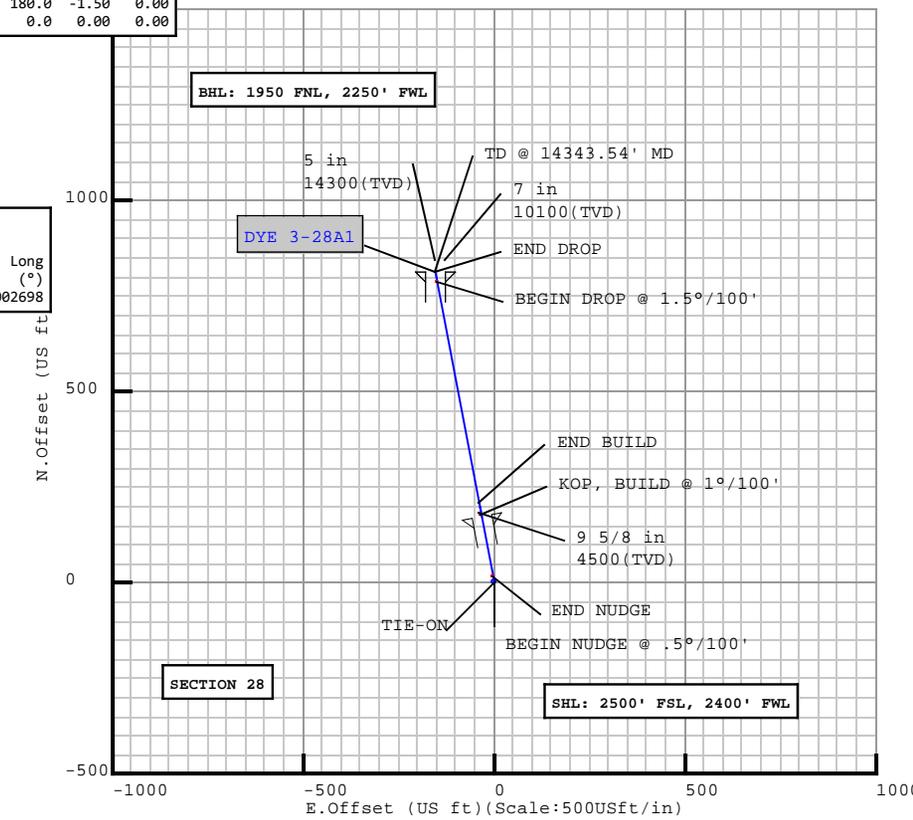
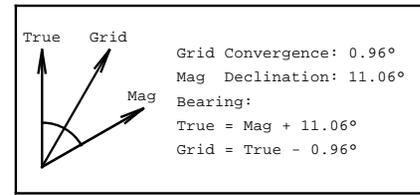
Name	TVD Elevation	MD
	(USft)	(USft)
GREEN RIVER (GRRV)	5451.00	-163.30
GREEN RIVER (GRTN1)	7056.00	-1768.30
MAHOGANY BENCH	7731.00	-2443.30
LOWER GREEN RIVER (TGR3)	8936.00	-3648.30
WASATCH (W090TU2)	9986.00	-4698.30

Target Set Information:
 Name: DYE 3-28A1 PBHL-1

Name	TVD	Lat	Long
	(USft)	(°)	(°)
PBHL-1, 1950'FNL & 2250'FWL, SEC.28	14300.00	40.369237	-110.002698

Casing Point Information:

Name	MD	TVD
	(USft)	(USft)
9 5/8 in	4504.46	4500.00
7 in	10143.54	10100.00
5 in	14343.54	14300.00



5D Plan Report



DYE 3-28A1

Field Name UTAH_CENTRAL ZONE_NAD83	Map Units : US ft	Company Name : EP ENERGY		
	Vertical Reference Datum (VRD) :			
	Projected Coordinate System : NAD83 / Utah Central (ftUS)			
	Comment :			
Site Name DYE 3-28A1	Units : US ft	North Reference : True	Convergence Angle : 0.96	
	Position	Northing : 7305907.71 US ft	Latitude : 40° 22' 1.23"	
		Easting : 2057761.64 US ft	Longitude : -110° 0' 7.72"	
	Elevation above VRD :5263.70 US ft			
	Comment :			
Slot Name DYE 3-28A1	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing :7305907.71 US ft	Latitude : 40°22'1.23"	
	+E / -W : 0.00 US ft	Easting :2057761.64 US ft	Longitude : -110°0'7.72"	
	Slot TVD Reference : Ground Elevation			
	Elevation above VRD : 5263.70 US ft			
	Comment :			
Well Name DYE 3-28A1	Type : Main well	UWI :	Plan : P1:V1	
	Rig Height <i>Drill Floor</i> : 24.00 US ft	Comment :		
	Relative to VRD : 5287.70 US ft			
	Closure Distance : 826.534 US ft	Closure Azimuth : 349.23°		
	Vertical Section (Position of Origin Relative to Slot)			
	+N / -S : 0.00 US ft	+E / -W : 0.00 US ft	Az :349.23°	
	Magnetic Parameters			
	Model : BGGM	Field Strength : 52073.8nT	Dec : 11.06°	Dip : 65.98°
				Date : 08/Aug/2014

5D Plan Report

Plan Archive									
Plan Folder	Date	Comment	Plans						
P1	08/Aug/2014		<table border="1"> <thead> <tr> <th>Plan</th> <th>Date</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>P1:V1</td> <td>08/Aug/2014</td> <td></td> </tr> </tbody> </table>	Plan	Date	Comment	P1:V1	08/Aug/2014	
Plan	Date	Comment							
P1:V1	08/Aug/2014								

Target Set	
Name : DYE 3-28A1 PBHL-1	Number of Targets : 1

Comment :

TargetName: PBHL-1, 1950'FNL & 2250'FWL, SEC.28 Shape: Cuboid	Position (Relative to Slot centre) +N / -S : 811.97US ft Northing : 7306716.99 US ft Latitude : 40°22'9.25" +E / -W : -154.46 US ft Easting : 2057593.60US ft Longitude : -110°0'9.71"		
	TVD (Drill Floor) : 14300.00 US ft		
Orientation Dimensions	Azimuth : 0.00° Length : 1.00 US ft	Inclination : 0.00° Breadth : 1.00 US ft	Height : 1.00 US ft

Casing Points (Relative to Slot centre, TVD relative to Drill Floor)						
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)
9 5/8 in	4504.46	3.00	349.22	4500.00	172.46	-32.84
7 in	10143.54	0.00	0.00	10100.00	811.97	-154.46
5 in	14343.54	0.00	0.00	14300.00	811.97	-154.46

Well path created using minimum curvature

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	40°22'1.23"	-110°0'7.72"	0.00	0.00	0.00	TIE-ON
100.00	0.00	0.00	100.00	0.00	0.00	40°22'1.23"	-110°0'7.72"	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	40°22'1.23"	-110°0'7.72"	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	40°22'1.23"	-110°0'7.72"	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	40°22'1.23"	-110°0'7.72"	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	40°22'1.23"	-110°0'7.72"	0.00	0.00	0.00	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
600.00	0.00	0.00	600.00	0.00	0.00	40°22'1.23"	-110°0'7.72"	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	40°22'1.23"	-110°0'7.72"	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	40°22'1.23"	-110°0'7.72"	0.00	0.00	0.00	
850.00	0.00	0.00	850.00	0.00	0.00	40°22'1.23"	-110°0'7.72"	0.00	0.00	0.00	BEGIN NUDGE @ .5°/100'
900.00	0.25	349.22	900.00	0.11	-0.02	40°22'1.23"	-110°0'7.72"	0.50	349.22	0.11	
1000.00	0.75	349.22	1000.00	0.96	-0.18	40°22'1.24"	-110°0'7.72"	0.50	0.00	0.98	
1100.00	1.25	349.22	1099.98	2.68	-0.51	40°22'1.26"	-110°0'7.72"	0.50	0.00	2.73	
1200.00	1.75	349.22	1199.95	5.25	-1.00	40°22'1.28"	-110°0'7.73"	0.50	0.00	5.34	
1300.00	2.25	349.22	1299.88	8.68	-1.65	40°22'1.32"	-110°0'7.74"	0.50	0.00	8.83	
1400.00	2.75	349.22	1399.79	12.96	-2.47	40°22'1.36"	-110°0'7.75"	0.50	0.00	13.20	
1450.00	3.00	349.22	1449.73	15.43	-2.94	40°22'1.38"	-110°0'7.75"	0.50	0.00	15.70	END NUDGE
1500.00	3.00	349.22	1499.66	18.00	-3.43	40°22'1.41"	-110°0'7.76"	0.00	0.00	18.32	
1600.00	3.00	349.22	1599.52	23.14	-4.41	40°22'1.46"	-110°0'7.77"	0.00	0.00	23.55	
1700.00	3.00	349.22	1699.38	28.28	-5.38	40°22'1.51"	-110°0'7.79"	0.00	0.00	28.79	
1800.00	3.00	349.22	1799.25	33.42	-6.36	40°22'1.56"	-110°0'7.80"	0.00	0.00	34.02	
1900.00	3.00	349.22	1899.11	38.56	-7.34	40°22'1.61"	-110°0'7.81"	0.00	0.00	39.26	
2000.00	3.00	349.22	1998.97	43.70	-8.32	40°22'1.66"	-110°0'7.82"	0.00	0.00	44.49	
2100.00	3.00	349.22	2098.84	48.85	-9.30	40°22'1.71"	-110°0'7.84"	0.00	0.00	49.72	
2200.00	3.00	349.22	2198.70	53.99	-10.28	40°22'1.76"	-110°0'7.85"	0.00	0.00	54.96	
2300.00	3.00	349.22	2298.56	59.13	-11.26	40°22'1.81"	-110°0'7.86"	0.00	0.00	60.19	
2400.00	3.00	349.22	2398.42	64.27	-12.24	40°22'1.87"	-110°0'7.87"	0.00	0.00	65.42	
2500.00	3.00	349.22	2498.29	69.41	-13.22	40°22'1.92"	-110°0'7.89"	0.00	0.00	70.66	
2600.00	3.00	349.22	2598.15	74.55	-14.19	40°22'1.97"	-110°0'7.90"	0.00	0.00	75.89	
2700.00	3.00	349.22	2698.01	79.69	-15.17	40°22'2.02"	-110°0'7.91"	0.00	0.00	81.12	
2800.00	3.00	349.22	2797.88	84.83	-16.15	40°22'2.07"	-110°0'7.93"	0.00	0.00	86.36	
2900.00	3.00	349.22	2897.74	89.98	-17.13	40°22'2.12"	-110°0'7.94"	0.00	0.00	91.59	
3000.00	3.00	349.22	2997.60	95.12	-18.11	40°22'2.17"	-110°0'7.95"	0.00	0.00	96.83	
3100.00	3.00	349.22	3097.46	100.26	-19.09	40°22'2.22"	-110°0'7.96"	0.00	0.00	102.06	
3200.00	3.00	349.22	3197.33	105.40	-20.07	40°22'2.27"	-110°0'7.98"	0.00	0.00	107.29	
3300.00	3.00	349.22	3297.19	110.54	-21.05	40°22'2.32"	-110°0'7.99"	0.00	0.00	112.53	
3400.00	3.00	349.22	3397.05	115.68	-22.03	40°22'2.37"	-110°0'8.00"	0.00	0.00	117.76	
3500.00	3.00	349.22	3496.92	120.82	-23.00	40°22'2.42"	-110°0'8.01"	0.00	0.00	122.99	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
3600.00	3.00	349.22	3596.78	125.96	-23.98	40°22'2.47"	-110°0'8.03"	0.00	0.00	128.23	
3700.00	3.00	349.22	3696.64	131.11	-24.96	40°22'2.53"	-110°0'8.04"	0.00	0.00	133.46	
3800.00	3.00	349.22	3796.51	136.25	-25.94	40°22'2.58"	-110°0'8.05"	0.00	0.00	138.69	
3900.00	3.00	349.22	3896.37	141.39	-26.92	40°22'2.63"	-110°0'8.06"	0.00	0.00	143.93	
4000.00	3.00	349.22	3996.23	146.53	-27.90	40°22'2.68"	-110°0'8.08"	0.00	0.00	149.16	
4100.00	3.00	349.22	4096.09	151.67	-28.88	40°22'2.73"	-110°0'8.09"	0.00	0.00	154.39	
4200.00	3.00	349.22	4195.96	156.81	-29.86	40°22'2.78"	-110°0'8.10"	0.00	0.00	159.63	
4300.00	3.00	349.22	4295.82	161.95	-30.84	40°22'2.83"	-110°0'8.11"	0.00	0.00	164.86	
4400.00	3.00	349.22	4395.68	167.09	-31.81	40°22'2.88"	-110°0'8.13"	0.00	0.00	170.10	
4500.00	3.00	349.22	4495.55	172.23	-32.79	40°22'2.93"	-110°0'8.14"	0.00	0.00	175.33	
4504.46	3.00	349.22	4500.00	172.46	-32.84	40°22'2.93"	-110°0'8.14"	0.00	0.00	175.56	KOP, BUILD @ 1°/100'; 9 5/8 in
4600.00	3.96	349.23	4595.36	178.16	-33.92	40°22'2.99"	-110°0'8.15"	1.00	0.02	181.36	
4700.00	4.96	349.23	4695.06	185.79	-35.37	40°22'3.07"	-110°0'8.17"	1.00	0.02	189.13	
4800.00	5.96	349.23	4794.61	195.13	-37.15	40°22'3.16"	-110°0'8.20"	1.00	0.01	198.63	
4900.00	6.96	349.23	4893.97	206.17	-39.25	40°22'3.27"	-110°0'8.22"	1.00	0.01	209.88	
4911.77	7.07	349.23	4905.65	207.58	-39.52	40°22'3.28"	-110°0'8.23"	1.00	0.01	211.31	END BUILD
5000.00	7.07	349.23	4993.21	218.26	-41.55	40°22'3.39"	-110°0'8.25"	0.00	0.00	222.18	
5100.00	7.07	349.23	5092.45	230.35	-43.85	40°22'3.51"	-110°0'8.28"	0.00	0.00	234.49	
5200.00	7.07	349.23	5191.69	242.45	-46.15	40°22'3.63"	-110°0'8.31"	0.00	0.00	246.80	
5300.00	7.07	349.23	5290.93	254.55	-48.45	40°22'3.75"	-110°0'8.34"	0.00	0.00	259.12	
5400.00	7.07	349.23	5390.17	266.64	-50.75	40°22'3.86"	-110°0'8.37"	0.00	0.00	271.43	
5461.30	7.07	349.23	5451.00	274.06	-52.16	40°22'3.94"	-110°0'8.39"	0.00	0.00	278.98	GREEN RIVER (GRRV) :
5500.00	7.07	349.23	5489.41	278.74	-53.05	40°22'3.98"	-110°0'8.40"	0.00	0.00	283.74	
5600.00	7.07	349.23	5588.64	290.84	-55.35	40°22'4.10"	-110°0'8.43"	0.00	0.00	296.06	
5700.00	7.07	349.23	5687.88	302.94	-57.65	40°22'4.22"	-110°0'8.46"	0.00	0.00	308.37	
5800.00	7.07	349.23	5787.12	315.03	-59.95	40°22'4.34"	-110°0'8.49"	0.00	0.00	320.69	
5900.00	7.07	349.23	5886.36	327.13	-62.25	40°22'4.46"	-110°0'8.52"	0.00	0.00	333.00	
6000.00	7.07	349.23	5985.60	339.23	-64.55	40°22'4.58"	-110°0'8.55"	0.00	0.00	345.31	
6100.00	7.07	349.23	6084.84	351.32	-66.85	40°22'4.70"	-110°0'8.58"	0.00	0.00	357.63	
6200.00	7.07	349.23	6184.08	363.42	-69.15	40°22'4.82"	-110°0'8.61"	0.00	0.00	369.94	
6300.00	7.07	349.23	6283.32	375.52	-71.45	40°22'4.94"	-110°0'8.64"	0.00	0.00	382.25	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
6400.00	7.07	349.23	6382.56	387.61	-73.75	40°22'5.06"	-110°0'8.67"	0.00	0.00	394.57	
6500.00	7.07	349.23	6481.80	399.71	-76.06	40°22'5.18"	-110°0'8.70"	0.00	0.00	406.88	
6600.00	7.07	349.23	6581.03	411.81	-78.36	40°22'5.30"	-110°0'8.73"	0.00	0.00	419.19	
6700.00	7.07	349.23	6680.27	423.90	-80.66	40°22'5.42"	-110°0'8.76"	0.00	0.00	431.51	
6800.00	7.07	349.23	6779.51	436.00	-82.96	40°22'5.54"	-110°0'8.79"	0.00	0.00	443.82	
6900.00	7.07	349.23	6878.75	448.10	-85.26	40°22'5.66"	-110°0'8.82"	0.00	0.00	456.13	
7000.00	7.07	349.23	6977.99	460.19	-87.56	40°22'5.78"	-110°0'8.85"	0.00	0.00	468.45	
7078.61	7.07	349.23	7056.00	469.70	-89.37	40°22'5.87"	-110°0'8.87"	0.00	0.00	478.13	GREEN RIVER (GRTN1) :
7100.00	7.07	349.23	7077.23	472.29	-89.86	40°22'5.90"	-110°0'8.88"	0.00	0.00	480.76	
7200.00	7.07	349.23	7176.47	484.39	-92.16	40°22'6.02"	-110°0'8.91"	0.00	0.00	493.07	
7300.00	7.07	349.23	7275.71	496.48	-94.46	40°22'6.14"	-110°0'8.94"	0.00	0.00	505.39	
7400.00	7.07	349.23	7374.95	508.58	-96.76	40°22'6.26"	-110°0'8.97"	0.00	0.00	517.70	
7500.00	7.07	349.23	7474.19	520.68	-99.06	40°22'6.38"	-110°0'9.00"	0.00	0.00	530.02	
7600.00	7.07	349.23	7573.42	532.77	-101.36	40°22'6.49"	-110°0'9.03"	0.00	0.00	542.33	
7700.00	7.07	349.23	7672.66	544.87	-103.66	40°22'6.61"	-110°0'9.06"	0.00	0.00	554.64	
7758.78	7.07	349.23	7731.00	551.98	-105.01	40°22'6.68"	-110°0'9.07"	0.00	0.00	561.88	MAHOGANY BENCH :
7800.00	7.07	349.23	7771.90	556.97	-105.96	40°22'6.73"	-110°0'9.09"	0.00	0.00	566.96	
7900.00	7.07	349.23	7871.14	569.06	-108.26	40°22'6.85"	-110°0'9.12"	0.00	0.00	579.27	
8000.00	7.07	349.23	7970.38	581.16	-110.56	40°22'6.97"	-110°0'9.14"	0.00	0.00	591.58	
8100.00	7.07	349.23	8069.62	593.26	-112.86	40°22'7.09"	-110°0'9.17"	0.00	0.00	603.90	
8200.00	7.07	349.23	8168.86	605.35	-115.16	40°22'7.21"	-110°0'9.20"	0.00	0.00	616.21	
8300.00	7.07	349.23	8268.10	617.45	-117.46	40°22'7.33"	-110°0'9.23"	0.00	0.00	628.52	
8400.00	7.07	349.23	8367.34	629.55	-119.76	40°22'7.45"	-110°0'9.26"	0.00	0.00	640.84	
8500.00	7.07	349.23	8466.57	641.64	-122.06	40°22'7.57"	-110°0'9.29"	0.00	0.00	653.15	
8600.00	7.07	349.23	8565.81	653.74	-124.36	40°22'7.69"	-110°0'9.32"	0.00	0.00	665.46	
8700.00	7.07	349.23	8665.05	665.84	-126.67	40°22'7.81"	-110°0'9.35"	0.00	0.00	677.78	
8800.00	7.07	349.23	8764.29	677.93	-128.97	40°22'7.93"	-110°0'9.38"	0.00	0.00	690.09	
8900.00	7.07	349.23	8863.53	690.03	-131.27	40°22'8.05"	-110°0'9.41"	0.00	0.00	702.40	
8973.02	7.07	349.23	8936.00	698.86	-132.95	40°22'8.14"	-110°0'9.43"	0.00	0.00	711.40	LOWER GREEN RIVER (TGR3) :
9000.00	7.07	349.23	8962.77	702.13	-133.57	40°22'8.17"	-110°0'9.44"	0.00	0.00	714.72	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
9100.00	7.07	349.23	9062.01	714.22	-135.87	40°22'8.29"	-110°0'9.47"	0.00	0.00	727.03	
9200.00	7.07	349.23	9161.25	726.32	-138.17	40°22'8.41"	-110°0'9.50"	0.00	0.00	739.35	
9300.00	7.07	349.23	9260.49	738.42	-140.47	40°22'8.53"	-110°0'9.53"	0.00	0.00	751.66	
9400.00	7.07	349.23	9359.73	750.51	-142.77	40°22'8.65"	-110°0'9.56"	0.00	0.00	763.97	
9500.00	7.07	349.23	9458.96	762.61	-145.07	40°22'8.77"	-110°0'9.59"	0.00	0.00	776.29	
9600.00	7.07	349.23	9558.20	774.71	-147.37	40°22'8.89"	-110°0'9.62"	0.00	0.00	788.60	
9672.00	7.07	349.23	9629.66	783.42	-149.03	40°22'8.97"	-110°0'9.64"	0.00	0.00	797.47	BEGIN DROP @ 1.5°/100'
9700.00	6.65	349.23	9657.46	786.70	-149.65	40°22'9.00"	-110°0'9.65"	1.50	180.00	800.81	
9800.00	5.15	349.23	9756.92	796.81	-151.57	40°22'9.10"	-110°0'9.67"	1.50	180.00	811.10	
9900.00	3.65	349.23	9856.62	804.35	-153.01	40°22'9.18"	-110°0'9.69"	1.50	180.00	818.77	
10000.00	2.15	349.23	9956.49	809.32	-153.95	40°22'9.23"	-110°0'9.71"	1.50	180.00	823.84	
10029.52	1.71	349.23	9986.00	810.30	-154.14	40°22'9.24"	-110°0'9.71"	1.50	180.00	824.83	WASATCH (W090TU2) :
10100.00	0.65	349.23	10056.46	811.73	-154.41	40°22'9.25"	-110°0'9.71"	1.50	180.00	826.29	
10143.54	0.00	0.00	10100.00	811.97	-154.46	40°22'9.25"	-110°0'9.71"	1.50	180.00	826.53	END DROP; 7 in
10200.00	0.00	0.00	10156.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
10300.00	0.00	0.00	10256.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
10400.00	0.00	0.00	10356.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
10500.00	0.00	0.00	10456.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
10600.00	0.00	0.00	10556.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
10700.00	0.00	0.00	10656.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
10800.00	0.00	0.00	10756.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
10900.00	0.00	0.00	10856.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
11000.00	0.00	0.00	10956.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
11100.00	0.00	0.00	11056.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
11200.00	0.00	0.00	11156.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
11300.00	0.00	0.00	11256.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
11400.00	0.00	0.00	11356.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
11500.00	0.00	0.00	11456.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
11600.00	0.00	0.00	11556.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
11700.00	0.00	0.00	11656.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
11800.00	0.00	0.00	11756.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
11900.00	0.00	0.00	11856.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
12000.00	0.00	0.00	11956.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
12100.00	0.00	0.00	12056.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
12200.00	0.00	0.00	12156.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
12300.00	0.00	0.00	12256.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
12400.00	0.00	0.00	12356.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
12500.00	0.00	0.00	12456.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
12600.00	0.00	0.00	12556.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
12700.00	0.00	0.00	12656.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
12800.00	0.00	0.00	12756.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
12900.00	0.00	0.00	12856.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
13000.00	0.00	0.00	12956.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
13100.00	0.00	0.00	13056.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
13200.00	0.00	0.00	13156.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
13300.00	0.00	0.00	13256.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
13400.00	0.00	0.00	13356.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
13500.00	0.00	0.00	13456.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
13600.00	0.00	0.00	13556.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
13700.00	0.00	0.00	13656.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
13800.00	0.00	0.00	13756.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
13900.00	0.00	0.00	13856.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
14000.00	0.00	0.00	13956.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
14100.00	0.00	0.00	14056.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
14200.00	0.00	0.00	14156.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
14300.00	0.00	0.00	14256.46	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	
14343.54	0.00	0.00	14300.00	811.97	-154.46	40°22'9.25"	-110°0'9.71"	0.00	0.00	826.53	TD @ 14343.54' MD; 5 in

Formation Points (Relative to Slot centre, TVD relative to Drill Floor)									
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	F.Dip (°)	F.Dir (°)	
GREEN RIVER (GRRV)	5461.30	7.07	349.23	5451.00	274.06	-52.16	0	0	

5D Plan Report

Formation Points (Relative to Slot centre, TVD relative to Drill Floor)								
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	F.Dip (°)	F.Dir (°)
GREEN RIVER (GRTN1)	7078.61	7.07	349.23	7056.00	469.70	-89.37	0	0
MAHOGANY BENCH	7758.78	7.07	349.23	7731.00	551.98	-105.01	0	0
LOWER GREEN RIVER (TGR3)	8973.02	7.07	349.23	8936.00	698.86	-132.95	0	0
WASATCH (W090TU2)	10029.52	1.71	349.23	9986.00	810.30	-154.14	0	0

August 13, 2014

Mr. Brad Hill
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

**Re: Directional Well
Dye 3-28A1
Surface: 2,400' FWL & 2,500' FSL (NESW)
Bottom Hole: 2,250' FWL & 1,950' FNL (SENW)
Section 28-T1S-R1W, USM, Duchesne County, Utah**

Dear Mr. Hill:

As a supplement to EP Energy E&P Company, L.P.'s ("EPE") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rule R649-3-11, which pertains to the Location and Siting of Directional Wells.

- EPE certifies that it owns 100% of the existing oil and gas leases under all tracts that are on or within 460' of the proposed wellbore path. All such tracts are entirely within the 640 acre drilling unit for the well.

Respectfully,



Corie A. Mathews
Senior Landman

Carol Daniels <caroldaniels@utah.gov>

28 15 1W

Re: Notice to drill 17-1/2" hole and cement 13-3/8" Casing

1 message

Alexis Huefner <alexishuefner@utah.gov>

Fri, Oct 17, 2014 at 9:32 AM

To: "LANDRIG007 (Patterson 307)" <LANDRIG007@epenergy.com>

Cc: Carol Daniels <caroldaniels@utah.gov>

The division has not received a spud notice for this well. Please submit one as soon as possible.

Thanks,
Alexis

On Wed, Oct 15, 2014 at 9:33 PM, LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com> wrote:

EP ENERGY

Dye3-28A1

API # 43013528290000

DUCHESNE CO., UTAH

We plan to drill 802' of 17-1/2" hole and run and cement 802' of 13- 3/8" surface casing on the Dye3-28A1 well within 24hrs.

We will also be N/U up and testing our 13-5/8" 3k diverter system.

EP Energy

Patterson 307

Rig Office: 713-997-1255

EP ENERGY[▲]

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

-
Alexis Huefner

Division of Oil, Gas & Mining
Office Tech II
alexishuefner@utah.gov
801-538-5302



Alexis Huefner <alexishuefner@utah.gov>

Notice to drill 17-1/2" hole and cement 13-3/8" Casing

LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com>
To: Alexis Huefner <alexishuefner@utah.gov>

Fri, Oct 17, 2014 at 11:27 AM

I'm sorry you were not sent a spud notice I thought it had already been taken care of.

We **spudded** the 17-1/2" hole on **Dye 3-28A1** at **10/16/2014** at 14:30.

API # 43013528290000 DUCHESNE COUNTY UTAH

Ron Maser WSS

EP Energy

Patterson 307

Rig Office: 713-997-1255

*2500 FSL 2400 FWL
NESW 28 15 1W*



CONFIDENTIAL

From: Alexis Huefner [mailto:alexishuefner@utah.gov]
Sent: Friday, October 17, 2014 9:33 AM
To: LANDRIG007 (Patterson 307)
Cc: Carol Daniels
Subject: Re: Notice to drill 17-1/2" hole and cement 13-3/8" Casing

[Quoted text hidden]

CONFIDENTIAL

Carol Daniels <caroldaniels@utah.gov>

NESW SEC 28 T O I S R O I W F I E L E A S E

E.P. Energy DYE 3-28A1 24 hr. Notice to cement & press. test BOPE (REVISED)

1 message

LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com>

Sat, Oct 25, 2014 at 1:17 PM

To: "blm_ut_vn_opreport@blm.gov" <blm_ut_vn_opreport@blm.gov>, "ut_vn_opreport@blm.gov" <ut_vn_opreport@blm.gov>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "m65lee@blm.gov (m65lee@blm.gov)" <m65lee@blm.gov>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>, "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, Dan Jarvis <danjarvis@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>

EP ENERGY

Dye 3-28A1

API # 43013528290000

DUCHESNE CO., UTAH

We plan to cement 4,500' 9-5/8" CSG. within the next 24hrs.

We plan to nipple up and pressure test BOPE within the next 24 hrs.

Regards,

Ron Maser

Well site Supervisor

EP Energy

Patterson 307

Rig Office: 713-997-1255

EP ENERGY▲

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CONFIDENTIAL

API 4301352829

Carol Daniels <caroldaniels@utah.gov>

NESW 5-28 TOIS ROW

DYE 3-28A1 Spudded 12 1/4" hole.

1 message

LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com>

Tue, Oct 21, 2014 at 11:26 AM

To: "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, Dan Jarvis <danjarvis@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>, "blm_ut_vn_opreport@blm.gov" <blm_ut_vn_opreport@blm.gov>, "m65lee@blm.gov (m65lee@blm.gov)" <m65lee@blm.gov>, "ut_vn_opreport@blm.gov" <ut_vn_opreport@blm.gov>

We began drilling 12 1/4" hole on Dye 3-28A1 well at 805', 04:00 HOURS, 10/21/2014.

Regards,

Ron Maser

Well site Supervisor

Patterson 307

713-997-1255

EP Energy

EP ENERGY▲

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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: Fee
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:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		8. WELL NAME and NUMBER: Dye 3-28A1
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002		9. API NUMBER: 43013528290000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2500 FSL 2400 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 28 Township: 01.0S Range: 01.0W Meridian: U		9. FIELD and POOL or WILDCAT: BLUEBELL
		COUNTY: DUCHESNE
		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: 12/15/2014	<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 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="Initial Completion"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 EP plans to complete into the Wasatch. See attached for details.

Approved by the
Utah Division of
Oil, Gas and Mining
 Date: December 15, 2014
 By: Derek Duff

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 12/11/2014	

Dye 3-28A1

Initial Completion

API # : 4301352829

The following precautions will be taken until the RCA for the Conover is completed:

1. Review torque turning and running of the 7" and 5" liner of anomalies.
2. Test and chart casing for 30 minutes, noting pressure if any on surface casing.
3. Test all lubricators, valves and BOP's to working pressure.
4. A frac tree with BOP equipment will be utilized during the stimulation treatment.
5. Monitor the surface casing during frac:
 - a. Lay a flowline to the flow back tank and keep the valve open.
 - b. This line will remain in place until a wire line set retrievable packer is in place isolating the 5" casing from the 7" after the frac.
6. 2 7/8" tubing will be run to isolate the 7" casing during the flow back of the well.
7. Well pressure and annulus pressure would be monitored during this time until the well is ready for pump.

Completion Information (Wasatch Formation)

- | | |
|-----------------|--|
| Stage #1 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~13059' – 13500' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~160000 # of Power Prop 30/50. Total clean water volume is 3918 gals. |
| Stage #2 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~12772' – 13059' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of Power Prop 30/50. Total clean water volume is 3722 gals. |
| Stage #3 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~12485' – 12772' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of Power Prop 30/50. Total clean water volume is 3717 gals. |
| Stage #4 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~12198' – 12485' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of Power Prop 30/50. Total clean water volume is 3712 gals. |
| Stage #5 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~11911' – 12198' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of Power Prop 30/50. Total clean water volume is 3707 gals. |

Stage #6 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~11624' – 11911' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of Power Prop 30/50. Total clean water volume is 3702 gals.

Stage #7 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~11337' – 11624' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of Power Prop 30/50. Total clean water volume is 3697 gals.

Stage #8 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~11050' – 11337' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of Power Prop 30/50. Total clean water volume is 3692 gals.

Stimulation Summary

	Top Perf	Btm. Perf	Gross Interval	Plug Depth	Net Perf Length	Total Shots	Perf Intervals	Type of Prop	Lbs of Prop	Lbs/ft	Lbs of 100 Mesh	Gals of HCL (15%)	BBLs of Clean H2O	BBLs of Slurry
Stage #1	13,059	13,500	441	NA	441	1,323	1	Power Prop 30/50	160,000	363	3,000	5,000	3,918	4,343
Stage #2	12,772	13,059	287	13,074	287	861	1	Power Prop 30/50	150,000	523	3,000	5,000	3,722	4,129
Stage #3	12,485	12,772	287	12,787	287	861	1	Power Prop 30/50	150,000	523	3,000	5,000	3,717	4,123
Stage #4	12,198	12,485	287	12,500	287	861	1	Power Prop 30/50	150,000	523	3,000	5,000	3,712	4,118
Stage #5	11,911	12,198	287	12,213	287	861	1	Power Prop 30/50	150,000	523	3,000	5,000	3,707	4,113
Stage #6	11,624	11,911	287	11,926	287	861	1	Power Prop 30/50	150,000	523	3,000	5,000	3,702	4,108
Stage #7	11,337	11,624	287	11,639	287	861	1	Power Prop 30/50	150,000	523	3,000	5,000	3,697	4,103
Stage #8	11,050	11,337	287	11,352	287	861	1	Power Prop 30/50	150,000	523	3,000	5,000	3,692	4,098
Average per Stage			306		306	919	1		151,250	503	3,000	5,000	3,733	4,142
Totals per Well			2,450		2,450	7,350	8		1,210,000		24,000	40,000	29,867	33,136

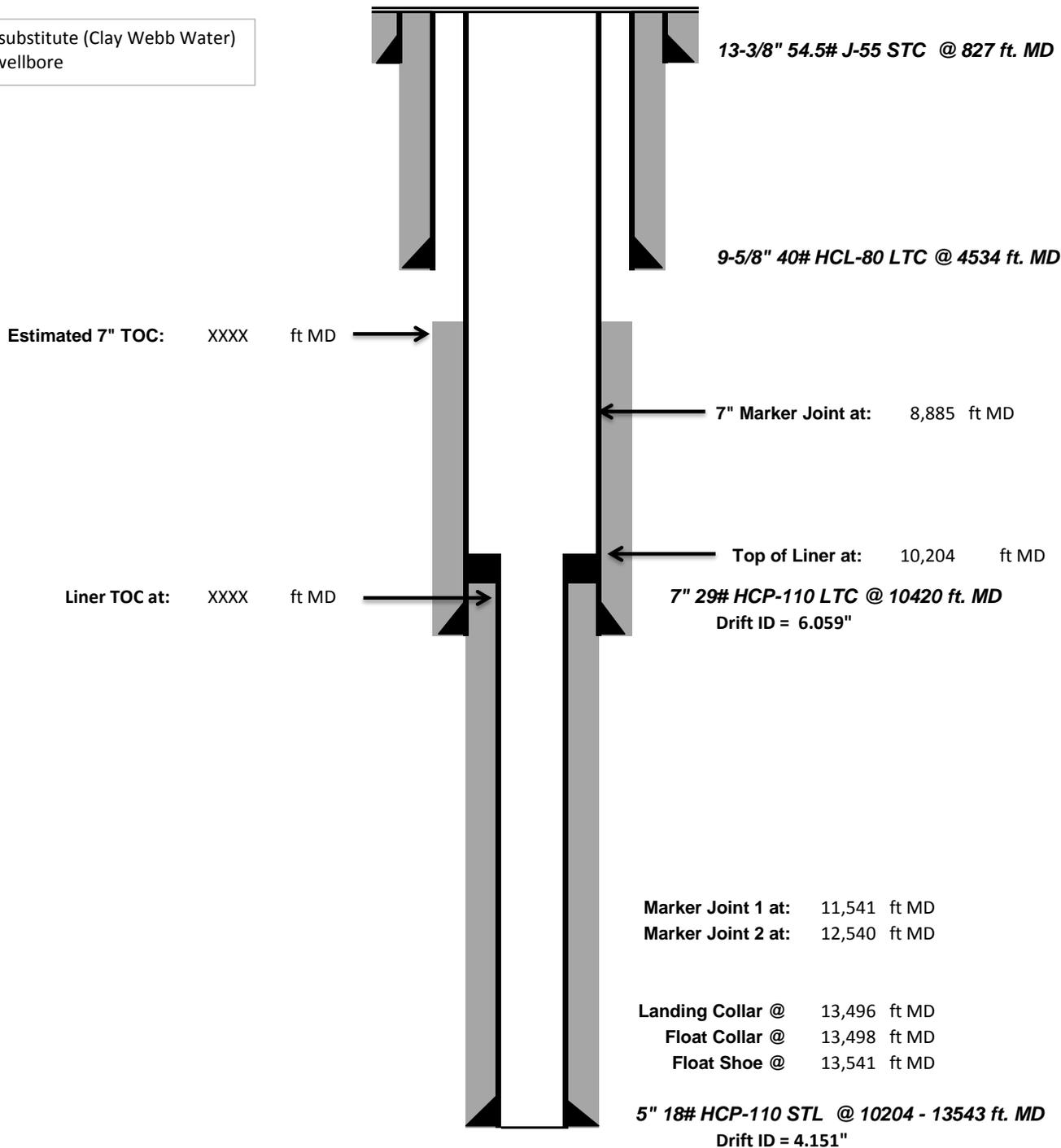


Pre-Completion Wellbore Schematic

Well Name: **Dye 3-28A1**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Uintah, Utah**
 Surface Location: **Lat: 40°22'01.229" N Long: 110°00'07.716" W**
 Producing Zone(s): **Wasatch**

Last Updated: **11/25/2014**
 By: **Jarrold Kent**
 TD: **13,541**
 API: **4301352829**
 AFE: **159599**

8.43 ppg KCL substitute (Clay Webb Water) water in the wellbore



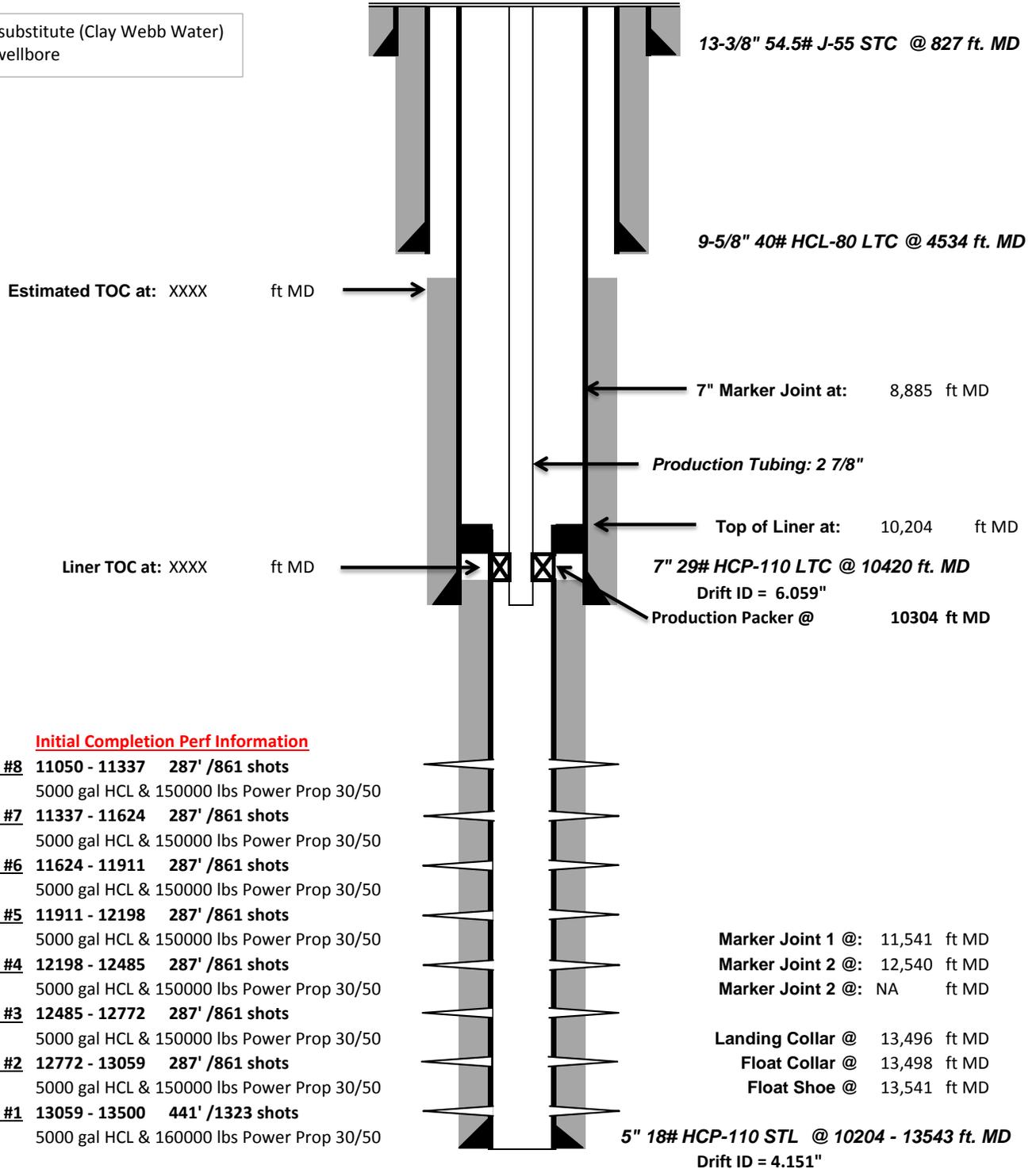


Post-Completion Wellbore Schematic

Well Name: **Dye 3-28A1**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Uintah, Utah**
 Surface Location: **Lat: 40°22'01.229" N Long: 110°00'07.716" W**
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 By: **Jarrold Kent**
 TD: **13,541**
 API: **4301352829**
 AFE: **159599**

8.43 ppg KCL substitute (Clay Webb Water) water in the wellbore



CONFIDENTIAL



Carol Daniels <caroldaniels@utah.gov>

NESW S-28 TOIS ROW FEE LEASE

24 hr Notice to run & cement production liner on Dye 3-28A1

1 message

LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com>

Sat, Nov 22, 2014 at 9:38 AM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, Dan Jarvis <danjarvis@utah.gov>, "Mangum, Danny R (Contractor)" <danny.mangum@epenergy.com>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "DERDEN, ROY LYNN (Contractor)" <Roy.Derden@epenergy.com>

RE: EP ENERGY
DYE 3-28A1
API # 43013528290000
DUCHESNE CO., UTAH

We intend to run and cement 3323'+/- of 5" PRODUCTION LINER within 24 hrs. Shoe depth should be near 13,543'.

I forgot to notify. Spoke with Dennis Ingram with UDOGM. He said it was alright and to go ahead and send notice now.

We ran liner on 11/21/14 and finished cementing on 11/22/2014.

Ron Maser

WSS

EP Energy

Patterson 307

Rig Office: 713-997-1255

EP ENERGY▲

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

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 SPURRED: 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 MD PLUG SET: 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: All logs are submitted to UDOGM by vendor.

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

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

Attachment to Well Completion Report**Form 8 Dated January 21, 2015****Well Name: Dye 3-28A1****Items #27 and #28 Continued****27. Perforation Record**

Interval (Top/Bottom – MD)	Size	No. of Holes	Perf. Status
11977'-12228'	.43	69	Open
11700'-11945'	.43	69	Open
11393'-11620'	.43	69	Open
11125'-11368'	.43	69	Open

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

Depth Interval	Amount and Type of Material
12258'-12493'	5000 gal acid, 3000# 100 mesh, 150160# 30/50 PowerProp
11977'-12228'	5000 gal acid, 3000# 100 mesh, 150520# 30/50 PowerProp
11700'-11945'	5000 gal acid, 3000# 100 mesh, 150040# 30/50 PowerProp
11393'-11620'	5000 gal acid, 3000# 100 mesh, 36800# 30/50 PowerProp, 112800# 30/50 THS
11125'-11368'	5000 gal acid, 3000# 100 mesh, 153800# 30/50 THS



Company: EP Energy
Well: Dye 3-28A1
Location: Duchesne, UT
Rig: Patterson 307

Job Number: _____
Mag Decl.: _____
Dir Driller: _____
MWD Eng: _____

Calculation Method Minimum Curvature
Proposed Azimuth 0.00
Depth Reference KB
Tie Into: Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')		
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth					
Tie In	0.00	0.00	0.00												
1	200.00	1.31	91.85	200.00	199.98	-0.07	0.07	S	2.29	E	2.29	91.85	0.66	0.66	45.92
2	400.00	1.85	101.92	200.00	399.91	-0.82	0.82	S	7.74	E	7.79	96.01	0.30	0.27	5.03
3	600.00	2.24	121.24	200.00	599.78	-3.51	3.51	S	14.24	E	14.67	103.83	0.39	0.19	9.66
4	800.00	2.79	123.03	200.00	799.59	-8.18	8.18	S	21.66	E	23.15	110.70	0.28	0.28	0.90
5	1000.00	2.59	109.87	200.00	999.37	-12.37	12.37	S	29.99	E	32.44	112.42	0.32	-0.10	-6.58
6	1200.00	1.54	120.83	200.00	1199.24	-15.28	15.28	S	36.55	E	39.61	112.69	0.56	-0.53	5.48
7	1400.00	0.87	279.42	200.00	1399.22	-16.41	16.41	S	37.36	E	40.81	113.71	1.18	-0.34	79.30
8	1600.00	2.59	309.17	200.00	1599.12	-13.31	13.31	S	32.37	E	34.99	112.35	0.95	0.86	14.88
9	1800.00	4.63	331.15	200.00	1798.72	-3.38	3.38	S	24.96	E	25.19	97.70	1.21	1.02	10.99
10	2000.00	6.22	335.91	200.00	1997.82	13.59	13.59	N	16.64	E	21.49	50.76	0.83	0.80	2.38
11	2200.00	7.57	343.62	200.00	2196.38	36.12	36.12	N	8.50	E	37.11	13.25	0.81	0.67	3.85
12	2400.00	8.37	342.95	200.00	2394.44	62.67	62.67	N	0.52	E	62.67	0.48	0.40	0.40	-0.33
13	2600.00	10.16	343.02	200.00	2591.83	93.46	93.46	N	8.90	W	93.88	354.56	0.90	0.90	0.04
14	2800.00	10.36	342.83	200.00	2788.63	127.52	127.52	N	19.36	W	128.98	351.37	0.10	0.10	-0.10
15	3000.00	10.73	343.68	200.00	2985.25	162.56	162.56	N	29.90	W	165.29	349.58	0.20	0.18	0.43
16	3200.00	10.32	350.60	200.00	3181.89	198.10	198.10	N	38.05	W	201.72	349.13	0.66	-0.20	3.46
17	3400.00	8.10	352.81	200.00	3379.30	229.76	229.76	N	42.75	W	233.70	349.46	1.12	-1.11	1.11
18	3600.00	8.28	353.22	200.00	3577.26	258.05	258.05	N	46.21	W	262.15	349.85	0.10	0.09	0.20
19	3800.00	8.89	353.73	200.00	3775.02	287.72	287.72	N	49.60	W	291.96	350.22	0.30	0.30	0.26
20	4000.00	9.22	356.94	200.00	3972.53	319.07	319.07	N	52.14	W	323.30	350.72	0.30	0.16	1.60
21	4200.00	9.58	356.35	200.00	4169.84	351.68	351.68	N	54.06	W	355.81	351.26	0.19	0.18	-0.30
22	4400.00	9.78	351.63	200.00	4367.00	385.11	385.11	N	57.59	W	389.39	351.49	0.41	0.10	-2.36
23	4600.00	9.90	342.28	200.00	4564.07	418.29	418.29	N	65.30	W	423.35	351.13	0.80	0.06	-4.68
24	4800.00	9.39	340.57	200.00	4761.24	450.04	450.04	N	75.96	W	456.41	350.42	0.29	-0.25	-0.85
25	5000.00	8.47	338.91	200.00	4958.81	479.18	479.18	N	86.68	W	486.96	349.75	0.48	-0.46	-0.83
26	5200.00	9.59	337.14	200.00	5156.33	508.28	508.28	N	98.46	W	517.72	349.04	0.57	0.56	-0.89
27	5400.00	9.30	339.00	200.00	5353.62	538.71	538.71	N	110.72	W	549.98	348.39	0.21	-0.14	0.93
28	5600.00	9.00	343.50	200.00	5551.08	568.80	568.80	N	120.96	W	581.52	347.99	0.39	-0.15	2.25
29	5800.00	9.33	347.24	200.00	5748.53	599.61	599.61	N	128.98	W	613.33	347.86	0.34	0.17	1.87
30	6000.00	7.95	352.49	200.00	5946.25	629.15	629.15	N	134.37	W	643.34	347.94	0.79	-0.69	2.63
31	6200.00	8.15	350.73	200.00	6144.28	656.86	656.86	N	138.47	W	671.30	348.10	0.16	0.10	-0.88
32	6400.00	8.68	347.86	200.00	6342.13	685.61	685.61	N	143.92	W	700.55	348.14	0.34	0.26	-1.43
33	6600.00	8.57	344.93	200.00	6539.87	714.75	714.75	N	150.97	W	730.52	348.07	0.23	-0.05	-1.47
34	6800.00	9.00	346.19	200.00	6737.52	744.32	744.32	N	158.58	W	761.03	347.97	0.23	0.21	0.63
35	7000.00	10.54	350.97	200.00	6934.62	777.58	777.58	N	165.19	W	794.94	348.01	0.87	0.77	2.39



Company: EP Energy
Well: Dye 3-28A1
Location: Duchesne, UT
Rig: Patterson 307

Job Number: _____
Mag Decl.: _____
Dir Driller: _____
MWD Eng: _____

Calculation Method Minimum Curvature
Proposed Azimuth 0.00
Depth Reference KB
Tie Into: Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
36	7200.00	6.61	347.98	200.00	7132.34	806.93	806.93 N	170.46 W	824.74	348.07	1.98	-1.97	-1.49
37	7400.00	6.44	347.64	200.00	7331.05	829.14	829.14 N	175.25 W	847.46	348.07	0.09	-0.09	-0.17
38	7600.00	3.28	333.99	200.00	7530.31	845.22	845.22 N	180.16 W	864.21	347.97	1.67	-1.58	-6.83
39	7800.00	1.30	325.74	200.00	7730.14	852.24	852.24 N	183.94 W	871.86	347.82	1.00	-0.99	-4.12
40	8000.00	1.32	316.62	200.00	7930.09	855.79	855.79 N	186.80 W	875.94	347.69	0.10	0.01	-4.56
41	8200.00	1.13	319.38	200.00	8130.05	858.96	858.96 N	189.67 W	879.65	347.55	0.10	-0.10	1.38
42	8400.00	2.93	355.30	200.00	8329.92	865.54	865.54 N	191.37 W	886.44	347.53	1.06	0.90	17.96
43	8600.00	1.92	17.93	200.00	8529.74	873.82	873.82 N	190.75 W	894.40	347.69	0.68	-0.50	-168.69
44	8800.00	1.72	49.48	200.00	8729.65	878.96	878.96 N	187.44 W	898.72	347.96	0.50	-0.10	15.78
45	9000.00	1.21	75.32	200.00	8929.58	881.44	881.44 N	183.13 W	900.26	348.26	0.41	-0.25	12.92
46	9200.00	1.90	13.21	200.00	9129.52	885.21	885.21 N	180.33 W	903.39	348.49	0.86	0.35	-31.06
47	9400.00	0.90	347.20	200.00	9329.46	889.98	889.98 N	179.92 W	907.98	348.57	0.58	-0.50	167.00
48	9600.00	0.32	9.84	200.00	9529.45	892.06	892.06 N	180.17 W	910.07	348.58	0.31	-0.29	-168.68
49	9800.00	0.40	42.79	200.00	9729.44	893.11	893.11 N	179.61 W	910.99	348.63	0.11	0.04	16.48
50	10000.00	0.46	71.13	200.00	9929.44	893.87	893.87 N	178.38 W	911.50	348.71	0.11	0.03	14.17
51	10200.00	0.41	104.45	200.00	10129.43	893.96	893.96 N	176.92 W	911.30	348.81	0.13	-0.03	16.66
52	10400.00	0.61	147.70	200.00	10329.42	892.88	892.88 N	175.67 W	910.00	348.87	0.21	0.10	21.63
53	10600.00	0.40	111.77	200.00	10529.42	891.73	891.73 N	174.45 W	908.63	348.93	0.18	-0.10	-17.96
54	10800.00	0.28	242.15	200.00	10729.41	891.24	891.24 N	174.23 W	908.11	348.94	0.31	-0.06	65.19
55	11000.00	0.07	245.27	200.00	10929.41	890.95	890.95 N	174.78 W	907.94	348.90	0.11	-0.11	1.56
56	11200.00	0.48	237.63	200.00	11129.41	890.46	890.46 N	175.59 W	907.61	348.84	0.20	0.20	-3.82
57	11400.00	0.58	149.31	200.00	11329.41	889.14	889.14 N	175.77 W	906.35	348.82	0.37	0.05	-44.16
58	11600.00	0.98	176.05	200.00	11529.39	886.57	886.57 N	175.14 W	903.70	348.83	0.26	0.20	13.37
59	11800.00	1.11	180.45	200.00	11729.35	882.93	882.93 N	175.03 W	900.11	348.79	0.08	0.07	2.20
60	12000.00	1.11	167.55	200.00	11929.32	879.11	879.11 N	174.63 W	896.28	348.76	0.12	0.00	-6.45
61	12200.00	1.54	141.91	200.00	12129.26	875.10	875.10 N	172.56 W	891.95	348.85	0.36	0.22	-12.82
62	12400.00	1.43	153.67	200.00	12329.20	870.75	870.75 N	169.79 W	887.15	348.97	0.16	-0.06	5.88
63	12600.00	1.55	151.11	200.00	12529.13	866.16	866.16 N	167.38 W	882.18	349.06	0.07	0.06	-1.28
64	12800.00	1.88	136.22	200.00	12729.04	861.43	861.43 N	163.81 W	876.86	349.23	0.28	0.17	-7.44
65	13000.00	1.24	144.45	200.00	12928.97	857.30	857.30 N	160.28 W	872.15	349.41	0.34	-0.32	4.11
66	13200.00	1.43	133.12	200.00	13128.91	853.83	853.83 N	157.20 W	868.18	349.57	0.16	0.10	-5.66
67	13390.00	1.68	134.47	190.00	13318.84	850.25	850.25 N	153.47 W	863.99	349.77	0.13	0.13	0.71
68	13543.00	1.68	134.47	153.00	13471.78	847.11	847.11 N	150.27 W	860.33	349.94	0.00	0.00	0.00

CENTRAL DIVISION

ALTAMONT FIELD
DYE 3-28A1
DYE 3-28A1
DRILLING 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	DYE 3-28A1		
Project	ALTAMONT FIELD	Site	DYE 3-28A1
Rig Name/No.	PATTERSON/307	Event	DRILLING LAND
Start date	10/12/2014	End date	11/25/2014
Spud Date/Time	10/21/2014	UWI	DYE 3-28A1
Active datum	KB @5,287.7ft (above Mean Sea Level)		
Afe No./Description	159599/52095 / DYE 3-28A1		

2 Summary

2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
10/12/2014	6:00 19:00	13.00	MIRU	01		P	100.0	MIRU. 80% MOVED IN. 25% RIGGED UP.
	19:00 6:00	11.00	MIRU	01		P	100.0	SDFN.
10/13/2014	6:00 19:00	13.00	MIRU	01		P	100.0	MIRU. 100% MOVED IN. 50% RIGGED UP.
	19:00 6:00	11.00	MIRU	01		P	100.0	SDFN.
10/14/2014	6:00 6:00	24.00	MIRU	01		P	100.0	CONTINUED RIG UP. 80% RIGGED UP.
10/15/2014	6:00 2:00	20.00	MIRU	01		P	100.0	FINISHED RIG UP.
	2:00 6:00	4.00	CASCOND	28		P	100.0	CHANGED OUT IBOP, SAVER SUB, AND GRABBER DIE BLOCK. INSTALL LINERS AND SWABS IN PUMP # 1&2. PERFORMED S & E INSPECTION.
10/16/2014	6:00 12:00	6.00	CASCOND	28		P	100.0	FINISH CHANGED OUT IBOP, SAVER SUB, AND GRABBER DIE BLOCK. CONTINUE RIGGING UP. PERFORMED S & E INSPECTION.
	12:00 22:00	10.00	CASCOND	28		P	100.0	REMOVE V -DOOR SET 20" CONDUCTOR AND WELD UP. NIPPLE UP ORBIT VALVE. RIG ON DAY WORK @ 12:00 10/15/2014. R/U ORBIT VALVE, RUN AIR LINES, INSTALL FLOW LINE, SET IN V-DOOR.
	22:00 2:00	4.00	CASCOND	28		P	100.0	R/U AND TRANSFER MUD FROM STORAGE TANKS TO PITS. SET C.O.M., PERFORM 10 POINT INSPECTION ON TOP DRIVE, INSTALL BAILS, ELEVATORS AND SET IN MOUSE HOLE. TIE UP SERVICE LOOP.
	2:00 6:00	4.00	CASCOND	14		P	100.0	LAY OUT AND STRAP BHA.
10/17/2014	6:00 14:00	8.00	CASCOND	14		P	100.0	P/U 3- 9" D.C., SHOCK SUB & MAKE UP 17-1/2" BIT REMOVE ROTATING HEAD, STRIP IT OVER DC, SET ROTATING HEAD IN PLACE & TIGHTEN UP.
	14:00 14:30	0.50	CASCOND	12		P	100.0	RIG SERVICE
	14:30 6:00	15.50	DRLSURF	07		P	100.0	DRILL 17-1/2" HOLE FROM 100' TO 480'.
10/18/2014	6:00 10:00	4.00	DRLSURF	07		P	480.0	DRILL FROM 480' TO 532'
	10:00 10:30	0.50	DRLSURF	11		P	532.0	DEVIATION SURVEY @ 498' 2.52*
	10:30 1:00	14.50	DRLSURF	07		P	532.0	DRILL FROM 532' TO 800'. AROP= 18.4 FPH
	1:00 2:00	1.00	DRLSURF	15		P	800.0	CIRCULATE HOLE CLEAN, PJSM WITH VAUGHN ENERGY SERVICE.
	2:30 4:00	1.50	DRLSURF	15		P	800.0	PERFORMED FLOW CHECK, WELL FLOWING. MUD CUT FROM 10.6 PPG TO 10.2 PPG CIRCULATE AND CONDITION HOLE, RAISE MUD WEIGHT FROM 10.6 PPG TO 10.9 PPG ALL AROUND.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
10/19/2014	4:00 5:30	1.50	DRLSURF	15		P	800.0	FLOW CHECK, WELL FLOWING. CIRCULATE AND CONDITION HOLE, RAISE MUD WEIGHT FROM 10.9 PPG TO 11.0 PPG.
	5:30 6:00	0.50	DRLSURF	15		P	800.0	FLOW CHECK.
	6:00 7:00	1.00	CASSURF	42		P	800.0	CHECK FLOW RIG UP GYRO TOOLS & RUN GYRO TOOLS
	7:00 8:30	1.50	CASSURF	17		P	800.0	SLIP & CUT DRLG. LINE.
	8:30 8:30	0.00	CASSURF	13		P	800.0	TOOH; WIPER TRIP PULLED 4 STDS. CHECK FLOW WELL FLOWING TRIP BACK TO BTM.
	8:30 11:30	3.00	CASSURF	15		P	800.0	CIRC. & COND. MUD RAISE MW F/ 11.1 PPG TO 11.4 PPG
	11:30 14:00	2.50	CASSURF	13		P	800.0	TOOH WIPER TRIP TO 9" D.C. TIH
	14:00 15:00	1.00	CASSURF	15		P	800.0	CIRC. & COND. MUD. EVEN MW OUT/ IN & OUT TO 11.4 PPG. MW DROPPED TO 11.3 PPG DURING WIPER TRIP.
	15:00 18:00	3.00	CASSURF	13		P	800.0	TOOH TO RUN 13-3/8" CSG. (STRAP OUT) LAY DOWN 3-9" DC, 3-8" DC, SHOCKSUB AND BREAK AND LAY OUT 17-1/2" BIT.
	18:00 19:00	1.00	CASSURF	24		P	800.0	PJSM WITH CASING CREW AND RIG CREW. R/U CASING TONGS.
	19:00 19:30	0.50	CASSURF	24		P	800.0	M/U SHOE TRACK, CHECK FLOAT. GOOD.
	19:30 21:30	2.00	CASSURF	24		P	800.0	RUN 13-3/8" 54.50# CASING TO 800'
21:30 23:00	1.50	CASSURF	15		P	800.0	R/U HALLIBURTON HEAD, CIRCULATE AND CONDITION HOLE WHILE R/D CASING TONGS. PJSM WITH HALLIBURTON AND RIG CREWS. R/U HALLIBURTON.	
23:00 1:30	2.50	CASSURF	25		P	800.0	PJSM. RU & TEST LINES TO 3,500 PSI. PUMP 10 BBLs FW SPACER MIX & PUMP 985 SX,205 BBLs CLASS "G" CEMENT WITH 3% C.C. @ 1.17 YLD @ 15.8 PPG. DISPLACED 13-3/8" CSG. WITH 117 BBLs. OF 11.4 PPG MUD @ 4 BPM.BUMPED PLUG @ 01:30 HRS. WITH 790 PSI.HELD PRESSURE 5 MINUTES. BLEED BACK 1 BBL. FLOAT HELD. FULL RETURNS THROUGH OUT JOB. 85 BBLs OF GOOD CEMENT RETURNED TO SURFACE.	
1:30 4:30	3.00	CASSURF	26		P	800.0	R/D HALLIBURTON CEMENTERS. PREP CELLAR AND RISER TO INSTALL WELLHEAD WHILE WOC.	
4:30 6:00	1.50	CASSURF	29		P	800.0	R/D ROTATING HEAD AND FLOW LINE.	
10/20/2014	6:00 10:00	4.00	CASCOND	29		P	800.0	CUT OFF CONDUCTOR & BREAK UP CEMENT AROUND 13-3/8" CSG. REMOVE. CUT OFF 13-3/8" CSG. & REMOVE CONDUCTOR.
10:00 13:30	3.50	CASSURF	27		P	800.0	INSTALL, WELD UP 13-5/8" X 13-3/8" 3,000 PSI SOW CSG. HEAD & TEST.	
13:30 23:30	10.00	CASSURF	28		P	800.0	N/U DIVERTER SYSTEM & ROTATING HEAD	
23:30 2:00	2.50	CASSURF	19		P	800.0	PJSM WITH TESTERS, TEST BOP. DURING FUNCTION TEST THE ANNULAR BOP WAS LEAKING HYDRAULIC FLUID FROM THE BONNETT SEAL.	
2:00 4:00	2.00	CASSURF	48		N	800.0	N/D BOP FOR CHANGE OUT.	
4:00 6:00	2.00	CASSURF	48		N	800.0	WAITING ON DELIVERY OF REPLACEMENT BOP.	
10/21/2014	6:00 6:30	0.50	CASSURF	48		N	800.0	WAITING ON DELIVERY OF REPLACEMENT ANNULAR BOP. (CLEAN CEMENT OUT OF FLOWLINE WHILE WAITING ON NEW ANNULAR)
6:30 11:00	4.50	CASSURF	48		N	800.0	OFF LOAD NEW ANNULAR, SET IN PLACE AND N/U ANNULAR. (CONTINUE CLEANING CEMENT OUT OF FLOWLINE DURING N/U.)	
11:00 13:00	2.00	CASSURF	19		P	800.0	TEST DIVERTER SYSTEM; TEST INSIDE & OUT SIDE CHOKELINE VALVES, MANUAL & POWER CHOKES & CHOKE LINE TO 250 PSI LOW 10,000 PSI HIGH BOTH FOR 10 MIN. UPPER & LOWER KELLY, FLOOR VALVE & DART VALVE TO 250 PSI LOW 5,000 PSI HIGH BOTH FOR 10MIN. TEST ANNULAR, INSIDE & OUTSIDE KILL LINE VALVES, HCR VALVE & KILL LINE CHECK VALVE TO 250 PSI LOW 2,500 PSI HIGH FOR 10 MINS. (CONTINUE TAKING APART & CLEANING OUT FLOWLINE TO SHAKERS.)	
13:00 23:30	10.50	CASSURF	28		P	800.0	N/U SPACER SPOOL & ROTATING HEAD (CONTINUE TAKING APART & CLEANING OUT FLOWLINE TO SHAKERS. & REINSTALL FLOWLINE.)	

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	23:30 1:00	1.50	CASSURF	14		P	800.0	PJSM WITH WEATHERFORD DIRECTIONAL AND RIG CREW. P/U 12-1/4" BIT AND 8" BHA. SCRIBE DIRECTIONAL TOOLS.
	1:00 2:00	1.00	CASSURF	13		P	800.0	TIH WITH BHA TO 745' TAG CEMENT @ 745'
	2:00 2:30	0.50	CASSURF	15		P	800.0	CIRCULATE AND CONDITION MUD
	2:30 3:00	0.50	CASSURF	31		P	800.0	CLOSE ANNULAR AND PRESSURE TEST CASING TO 1000 PSI FOR 30 MINUTES. TEST GOOD
	3:00 4:00	1.00	CASSURF	32		P	800.0	C/O CEMENT AND FLOAT EQUIPMENT FROM 745' TO 800'
	4:00 6:00	2.00	DRLSURF	08		P	800.0	DRILL 12-1/4" HOLE FROM 800' TO 900'
10/22/2014	6:00 17:30	11.50	DRLSURF	07		P	900.0	DRILL FROM 900' TO 2,104'
	17:30 18:00	0.50	DRLSURF	12		P	2,104.0	RIG SERVICE
	18:00 6:00	12.00	DRLSURF	07		P	2,104.0	DRILL FROM 2,104' TO 2,900'
10/23/2014	6:00 16:00	10.00	DRLSURF	07		P	2,900.0	DRILL FROM 2,900' TO 3,435'
	16:00 16:30	0.50	DRLSURF	12		P	3,435.0	RIG SERVICE
	16:30 6:00	13.50	DRLSURF	07		P	3,435.0	DRILL FROM 3,435' TO 4100
10/24/2014	6:00 7:00	1.00	DRLSURF	15		P	4,100.0	CIRC. & COND. MUD (THICK MUD WOULD NOT MOVE FROM TANK 1 TO TANK 2 IN MUD TANKS HAD TO CIRC. & COND. THICK MUD COMING BACK FROM DOWN HOLE POSSIBLY ANHYDRATE FORMATION. ADDED SODA ASH TO SYSTEM MUD THINNED OUT. WAS ABLE TO GO BACK TO DRILLING.)
	7:00 12:00	5.00	DRLSURF	07		P	4,100.0	DRILL FROM 4,100' TO 4,304'
	12:00 12:30	0.50	DRLSURF	12		P	4,304.0	RIG SERVICE
	12:30 19:30	7.00	DRLSURF	07		P	4,304.0	DRILL FROM 4,304' TO 4,535'. TD SURFACE SECTION @ 19:00 ON 10/23/2014
	19:30 21:00	1.50	DRLSURF	15		P	4,535.0	CIRCULATE AND CONDITION HOLE FOR WIPER TRIP.
	21:00 21:30	0.50	DRLSURF	15		P	4,535.0	FLOW CHECK
	21:30 6:00	8.50	DRLSURF	13		P	4,535.0	BACKREAM OUT OF HOLE FROM 4,535' TO 1,800'
10/25/2014	6:00 14:00	8.00	DRLSURF	13		P	4,535.0	WASH & BACKREAM OUT OF HOLE FROM 1,800' TO 800' PULLED BIT SLOW IN CASING DUE TO MOTOR & BIT BALLED UP. PULLED 60,000 OVER WHILE IN CASING TO D.C. PULLED 20,000 OVER ON D.C. BREAK BIT OFF, LAY DOWN MUD MOTOR & DIR. TOOLS.
	14:00 14:30	0.50	DRLSURF	45		N	4,535.0	REMOVE & REPLACE SWIVEL PACKING ASSEMBLY ON TDU.
	14:30 15:00	0.50	DRLSURF	12		P	4,535.0	RIG SERVICE
	15:00 19:00	4.00	DRLSURF	13		P	4,535.0	TIH; MAKE UP BIT SUB & 12-1/4" BIT TIH TO 626'. WELL FLOWING. SHUT WELL IN WITH 125 PSI CASING PRESSURE. MONITOR CASING PRESSURE.
	19:00 19:30	0.50	DRLSURF	13		P	4,535.0	OPEN UP WELL THROUGH HCR VALVE AND MANUAL CHOKE. WELL FLOWING. TIH WITH DRILL PIPE FROM 626' TO 1,129'
	19:30 21:30	2.00	DRLSURF	15		P	4,535.0	CIRCULATE AND CONDITION HOLE @ 1,129'. RAISE MUD WEIGHT FROM 11.2 PPG TO 11.4 PPG. WELL STILL FLOWING. TRANSFER 220 BBL OF MUD TO VACUUM TRUCKS.
	21:30 0:00	2.50	DRLSURF	13		P	4,535.0	TIH FROM 1,129' TO 4,478'.
	0:00 1:30	1.50	DRLSURF	15		P	4,535.0	CIRCULATE AND WASH DOWN FROM 4,478' TO 4,535'. CIRCULATE AND CONDITION HOLE. RAISE MUD WEIGHT FROM 11.4 PPG TO 11.7 PPG IN AND OUT.
	1:30 2:00	0.50	DRLSURF	15		P	4,535.0	FLOW CHECK. WELL STATIC
	2:00 5:30	3.50	DRLSURF	15		P	4,535.0	CIRCULATE AND CONDITION HOLE DUE TO RUNNING SHALE. MUD WEIGHT IN AND OUT 11.7 PPG. RUNNING SHALE CLEANING UP.
	5:30 6:00	0.50	DRLSURF	15		P	4,535.0	FLOW CHECK. WELL STATIC.
10/26/2014	6:00 11:30	5.50	DRLSURF	13		P	4,535.0	TOOH FROM 4,535' TO RUN 9-5/8" CSG. (FLOW CHECK EVERY 10 STDS @ SHOE & @ BHA. WELL STATIC)
	11:30 14:00	2.50	CASSURF	24		P	4,535.0	PJSM WITH FRANK'S CSG. CREW & RIG CREW. RIG UP CSG. RUNNING EQUIP & FILL TOOL.
	14:00 15:00	1.00	CASSURF	24		P	4,535.0	P/U & M/U 9-5/8" HCL-80 LTC SHOE & F/C. TEST FLOATS.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	15:00 2:00	11.00	CASSURF	24		P	4,535.0	RUN 102 JTS. OF 40# HCL-80 LTC 9-5/8" CSG. FILL ON THE FLY WITH FILL TOOL. CIRC. B/U @ 13-3/8" SHOE, @ 2,000', 3,000' TAG UP @ 4,470. WASH DOWN 9-5/8" CASING FROM 4,470' TO 4,535'.
	2:00 6:00	4.00	CASSURF	25		P	4,535.0	PJSM. RU & TEST LINES TO 5,000 PSI. PUMP 40 BBLs SPACER MIX & PUMP 760 SX, 279 BBLs EXTENDACEM LEAD CMT WITH 3.24 YLD @ 12.3 PPG. TAIL WITH 560 SX, 130 BBLs, 2.06 YLD HALCEM CMT @ 14.2 PPG. DISPLACED 9-5/8" CSG. WITH 341 BBLs. OF 11.8 PPG MUD @ 5 BPM. BUMPED PLUG @ 05:30 HRS. WITH 1000 PSI. BLEED BACK 1.5 BBL. FLOAT HELD. FULL RETURNS THROUGH OUT JOB. 150 BBLs OF GOOD CEMENT RETURNED TO SURFACE.
10/27/2014	6:00 12:00	6.00	CASSURF	26		P	4,535.0	WOC 6HRS. (FLUSH BOPE & FLOWLINE. PREP FOR N/D)
	12:00 13:30	1.50	CASSURF	25		P	4,535.0	RAN 1" PIPE TO 200'. TOPPED OUT WITH 64 SXS/13 BBLs OF 15.8 PPG, 1.17 YLD PREM CMT PLUS 2% CACL2. 8 BBLs CMT RETURNED TO SURFACE. RD HES. FLUSHED OUT DIVERTER STACK.
	13:30 17:30	4.00	CASSURF	28		P	4,535.0	N/D DIVERTER SYSTEM, REMOVE FLOWLINE, FILL UP LINE, CUT OFF 9-5/8" CSG. LAY DOWN ROTATING HEAD, SET BACK ANNULAR AND MUD CROSS, CUT OFF 13-3/8" WELLHEAD.
	17:30 21:00	3.50	CASSURF	27		P	4,535.0	MAKE FINAL CUT ON 9-5/8" CSG. INSTALL 9-5/8" X 11" 5M MULTI BOWL HEAD AND TEST HEAD TO 1,500 PSI FOR 10 MIN.
	21:00 4:00	7.00	CASSURF	28		P	4,535.0	NU 11" 5M X 11" 10M B-SECTION. NU 11" 10M BOPE. WEATHERFORD TORQUED CONNECTIONS.
	4:00 6:00	2.00	CASSURF	30		P	4,535.0	SET TEST PLUG. TESTED ANNULAR TO 250 PSI LOW, 2,500 PSI HIGH. REMAINDER BOP TESTED TO 250 PSI LOW, 5,000 PSI HIGH & HELD >10 MINUTES EACH TEST.
10/28/2014	6:00 15:00	9.00	CASSURF	19		P	4,535.0	CONTINUE SET TESTED ANNULAR TO 250 PSI LOW, 2,500 PSI HIGH. REMAINDER BOP TESTED TO 250 PSI LOW, 5,000 PSI HIGH & HELD >10 MINUTES EACH TEST. TEST MUD LINE FROM TDU TO PUMPS TO 4,000 PSI.
	15:00 15:30	0.50	CASSURF	31		P	4,535.0	TEST CASING TO 2,500 PSI TO 30 MIN.
	15:30 18:30	3.00	CASSURF	28		P	4,535.0	N/U FLOWLINE, FILL UP LINE & CENTER STACK.
	18:30 21:30	3.00	CASSURF	14		P	4,535.0	P/U, MU WEATHERFORD'S DIRECTIONAL ASSEMBLY & SURFACE TEST. MU 8 3/4" HALLIBURTON MM64D PDC BIT W/6-13/32nd NOZZLES. P/U, M/U 16 X 6 1/2" DCs.
	21:30 0:00	2.50	CASSURF	13		P	4,535.0	TIH TO 4,475'. TAG CEMENT @ 4,475'.
	0:00 1:30	1.50	CASSURF	15		P	4,535.0	CIRCULATE AND CONDITION DRILLING FLUID.
	1:30 2:00	0.50	CASSURF	31		P	4,535.0	RETESTED CASING TO 2,200 PSI AT 1/2 BBLs INCREMENTS, RECORDING DATA POINTS FOR CHART.
	2:00 2:30	0.50	CASSURF	32		P	4,535.0	DRILL CEMENT AND FLOAT EQUIPMENT FROM 4,475' TO 5,535'.
	2:30 3:00	0.50	DRLINT1	07		P	4,535.0	DRILL 8-3/4" HOLE FROM 4,535' TO 4,545'
	3:30 6:00	2.50	DRLINT1	15		P	4,545.0	CIRCULATE AND CONDITION MUD FOR FIT. LOWER MUD WEIGHT FROM 10.7 PPG TO 9.8 PPG FOR FIT.
10/29/2014	6:00 7:00	1.00	CASSURF	33		P	4,545.0	PERFORM FIT W/ 9.8 PPG MW TO 1,296 PSI EMW 15.3 PPG.
	7:00 6:00	23.00	DRLINT1	07		P	4,545.0	DRILLED, 4,545' - 5,960'.
10/30/2014	6:00 15:30	9.50	DRLINT1	07		P	5,960.0	DRILLED, 5,960' - 6,227'.
	15:30 16:00	0.50	DRLINT1	12		P	6,227.0	SERVICED RIG & TDU.
	16:00 6:00	14.00	DRLINT1	07		P	6,227.0	DRILLED, 6,227' - 6,820'.
10/31/2014	6:00 12:30	6.50	DRLINT1	07		P	6,820.0	DRILLED, 6,820' - 6,988'.
	12:30 13:00	0.50	DRLINT1	12		P	6,988.0	SERVICED RIG & TDU.
	13:00 6:00	17.00	DRLINT1	07		P	6,988.0	DRILLED, 6,988 - 7,380'.
11/1/2014	6:00 14:00	8.00	DRLINT1	07		P	7,380.0	DRILLED, 7,380' - 7,602'.
	14:00 14:30	0.50	DRLINT1	12		P	7,602.0	SERVICED RIG & TDU.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	14:30 3:00	12.50	DRLINT1	07		P	7,602.0	DRILLED, 7,602' - 7,882'. REPLACED MIDDLE MODULE ON PUMP #2.
	3:00 4:30	1.50	DRLINT1	13		P	7,882.0	PUMPED SLUG. TOO SLOWLY TO 6,700'. OBSERVED SOME SWABBING.
	4:30 5:00	0.50	DRLINT1	13		P	7,882.0	OBSERVED SLIGHT WELL FLOW. TIH.
	5:00 6:00	1.00	DRLINT1	15		P	7,882.0	C & C MUD. INCREASE MUD WEIGHT.
11/2/2014	6:00 7:00	1.00	DRLINT1	15		P	7,882.0	C & C MUD. INCREASED MW TO 10.1PPG. "ABORTED" TRIP GAS PEAKED AT 2,900 GAS UNITS.
	7:00 14:30	7.50	DRLINT1	13		P	7,882.0	PUMPED SLUG. TOO SLOW.
	14:30 15:00	0.50	DRLINT1	12		P	7,882.0	ADJUSTED DWKS BRAKES.
	15:00 17:00	2.00	DRLINT1	13		P	7,882.0	REPLACED PDC BIT & WEATHERFORD'S EMWD, EMITTER SUB & MUD MOTOR.
	17:00 20:30	3.50	DRLINT1	13		P	7,882.0	TIH. FILLED HALFWAY IN. MAX GAS 4,400 UNITS.
	20:30 6:00	10.50	DRLINT1	07		P	7,882.0	DRILLED, 7,882' - 8,325'.
11/3/2014	6:00 16:30	10.50	DRLINT1	07		P	8,325.0	DRILLED, 8,325' - 8,796'.
	16:30 17:00	0.50	DRLINT1	12		P	8,796.0	SERVICED RIG & TDU.
	17:00 6:00	13.00	DRLINT1	07		P	8,796.0	DRILLED, 8,796' - 9,230'.
11/4/2014	6:00 14:00	8.00	DRLINT1	07		P	9,230.0	DRILLED 9,230' - 9,557'.
	14:00 14:30	0.50	DRLINT1	12		P	9,557.0	SERVICED RIG & TDU.
	14:30 6:00	15.50	DRLINT1	07		P	9,557.0	DRILLED 9,557' - 9,930'.
11/5/2014	6:00 14:30	8.50	DRLINT1	07		P	9,920.0	DRILLED 9,930' - 10,130'.
	14:30 15:00	0.50	DRLINT1	12		P	10,130.0	SERVICED RIG & TDU.
	15:00 6:00	15.00	DRLINT1	07		P	10,130.0	DRILLED 10,130' - 10,400'. REPLACING PUMP MODULE.
11/6/2014	6:00 9:00	3.00	DRLINT1	07		P	10,400.0	DRILLED 10,400' TO 10,434' ICP.
	9:00 21:00	12.00	DRLINT1	07		P	10,434.0	C & C 10.3 MUD.
	21:00 4:00	7.00	DRLINT1	13		P	10,434.0	BACK-REAMED OUT TO 7,800'. TOO SLOWLY TO SHOE AT 4,535'. INSUFFICIENT FILL-UPS. OBSERVED SLIGHT FLOW.
	4:00 6:00	2.00	DRLINT1	13		P	10,434.0	TIH.
11/7/2014	6:00 7:00	1.00	DRLINT1	13		P	10,434.0	TIH.
	7:00 16:00	9.00	DRLINT1	15		P	10,434.0	C & C MUD. DECREASED PUMP RATE TO 4 BPM & INCREASED MW TO 11.00 PPG.
	16:00 16:30	0.50	DRLINT1	12		P	10,434.0	CHECKED FLOW. SERVICED RIG & TDU.
	16:30 6:00	13.50	DRLINT1	14		P	10,434.0	LAI D DOWN 5" DP, BHA, & WEATHERFORD'S TOOLS.
11/8/2014	6:00 15:00	9.00	EVLINT1	22		P	10,434.0	RU & RAN HES' ULTRA-SLIM QUAD-COMBO LOG TO SHOE. SONIC TOOL INOPERATIVE. TOO SLOW. REPLACED SONIC TOOL. RERAN; RESISTIVITY TOOL INOPERATIVE. REPLACED & RAN TO TD. LOGGED OUT FROM 10,429' WLM. 198F MAX BHT RECORDED. RD HES.
	15:00 6:00	15.00	CASINT1	24		P	10,434.0	REDUCED 11 PPG MW TO 10.8 WHILE RU FRANK'S WESTATES' CASING TOOLS, TORQUE-TURN & FILL-UP TOOL. SIH WITH 7", 29#, HCP-110, LT&C, INTERMEDIATE CASING. CBU AT 4 BPM FROM 4,500' & 7,500'.
11/9/2014	6:00 13:00	7.00	DRLPRD	14		P	10,434.0	PUMU PHA, DCs, & 4" DP FROM RACKS. FILLED AT 3,500' INTERVALS.
	13:00 14:00	1.00	DRLPRD	12		P	10,434.0	SERVICED RIG & TDU.
	14:00 16:00	2.00	DRLPRD	15		P	10,434.0	C & C MUD WHILE MOVED ADDITIONAL DP.
	16:00 19:30	3.50	DRLPRD	14		P	10,434.0	FINISHED PUMU 4" DP.
	19:30 20:30	1.00	DRLPRD	31		P	10,434.0	TESTED CASING TO 2,150 PSI.
	20:30 22:00	1.50	DRLPRD	72		P	10,434.0	DRILLED CEMENT & FLOAT EQUIPMENT. DRILLED 10' OF NEW HOLE.
	22:00 22:30	0.50	DRLPRD	15		P	10,444.0	C & C 11.2 PPG MUD.
	22:30 23:00	0.50	DRLPRD	33		P	10,444.0	PERFORMED FIT TEST TO 15.5 PPG EMW.
23:00 6:00	7.00	DRLPRD	07		P	10,444.0	DRILLED 10,434' - 10,650'.	

11/10/2014

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	6:00 9:30	3.50	CASINT1	24		P	10,434.0	CONTINUED SIH WITH 7", 29#, HCP-110, LT&C, INTERMEDIATE CASING (C&C 10.8 PPG MUD FROM 9,100' AT 3 TO 5 BPM). RAN TOTAL OF 251 FULL JTS PLUS 1 MARKER JOINT.
	9:30 13:30	4.00	CASINT1	25		P	10,434.0	SPACED OUT, LD TAG JOINTS. PUMU LANDING JOINT WITH RH RUBBER. RD FILL-UP TOOL. INSTALLED HES' CMT HEAD & PLUMBING. CBU AT 3, THEN 5 BPM.
	13:30 18:00	4.50	CASINT1	25		P	10,434.0	SWITCHED LINE TO HES. TESTED P&L TO 5,000 PSI. PUMPED 40 BBLs 11.5 PPG TUNED SPACER III. BEGAN M&P 550 SXS/187 BBLs OF 12.5 PPG, 1.91 YIELD EXTENDACEM LEAD CEMENT. PUMPS LOST PRIME WHILE M&P LEAD SLURRY. UNABLE TO REPRIME EITHER PUMP. REPLACED TRUCK & FINISHED M & P LEAD SLURRY. M&P 265 SXS/77 BBLs OF 13 PPG, 1.64 YIELD EXPANDACEM TAIL CEMENT AT 6 BPM. RELEASED PLUG, WASHED PUMP AND LINES. DISPLACED WITH 10 BBLs FW, 355 BBLs 10.8 PPG MUD, PLUS 20 BBLs FW PUMPED AVERAGING 6, THEN 3 BPM. BUMPED PLUG TO 1,908 PSI AT 16:24 HRS, 11/08/2014. BLEED BACK 2 1/4 BBLs, FLOATS HELD. SHOE AT 10,420'. MARKER TOP AT 8,897'. FC TOP AT 10,377'. RD HES. FULL RETURNS THROUGHOUT. EST TOC 4,027'.
	18:00 20:00	2.00	CASINT1	25		P	10,434.0	CHECKED FLOW. FLUSHED OUT HANGER/WELL HEAD. LANDED CSG HANGER IN HEAD WITH 230K STRING WT. RD & LD 20' BAILS & CASING ELEVATORS.
	20:00 21:00	1.00	CASINT1	27		P	10,434.0	INSTALLED AND TESTED PACK-OFF TO 5,000 PSI FOR >10 MINUTES.
	21:00 23:00	2.00	CASINT1	19		P	10,434.0	WEATHERFORD TESTED CHOKE MANIFOLD 250 PSI LOW AND 10,000 PSI HIGH WHILE RIG CREW REPLACED SAVER SUB, GRABBER BLOCKS, & BELL GUIDE ON TOP DRIVE QUILL. REMOVED 5" HANDLING EQUIPMENT FROM FLOOR AND PICKED UP 4".
	23:00 4:00	5.00	CASINT1	19		P	10,434.0	TESTED 11" 10M ANNULAR TO 250 PSI LOW & 4000 PSI HIGH. TESTED REMAINDER TO 250 PSI LOW AND 10,000 PSI HIGH. HELD EACH TEST FOR >10 MINUTES.
	4:00 5:00	1.00	CASINT1	19		P	10,434.0	SUCCESSFULLY TESTED CASING TO 2,500 PSI FOR >30 MINUTES. RD TESTER.
	5:00 6:00	1.00	CASINT1	13		P	10,434.0	BEGIN PUMU 6 1/8" BIT AND PHA.
11/11/2014	6:00 15:00	9.00	DRLPRD	07		P	10,665.0	DRILLED 10,650' - 10,844'.
	15:00 15:30	0.50	DRLPRD	12		P	10,844.0	SERVICED RIG & TDU
	15:30 19:00	3.50	DRLPRD	07		P	10,844.0	DRILLED 10,844' - 10,935'.
	19:00 20:00	1.00	DRLPRD	11		P	10,935.0	CIRC. SL SURVEY AT 10,903' = 0.14 DEGREES.
	20:00 6:00	10.00	DRLPRD	07		P	10,935.0	DRILLED 10,935' - 11,150'.
11/12/2014	6:00 16:00	10.00	DRLPRD	07		P	11,145.0	DRILLED 11,145' - 11,409'.
	16:00 16:30	0.50	DRLPRD	12		P	11,409.0	SERVICE RIG & TDU
	16:30 6:00	13.50	DRLPRD	07		P	11,409.0	DRILLED 11,409' - 11,617'. SHOW @ 11,448 - 11,453' W/ 7,282 UNITS GAS CUT TO 10.5 RAISE MUD WEIGHT TO 12.2PPG.
11/13/2014	6:00 7:30	1.50	DRLPRD	15		P	11,617.0	CIRC. & COND. MUD RAISE MW FROM 12.5 PPG TO 12.7 PPG (FLOW CHECK, WELL STATIC)
	7:30 16:30	9.00	DRLPRD	13		P	11,617.0	TOOH; BIT TRIP (HOLE NOT TAKING PROPER FILL TRIP OUT SLOW. CHECK FLOW EVERY 10 STDS.) WELL STATIC (HOLE TAKING PROPER FILL FROM 10,420' @ 7" SHOE TO SURFACE) BREAK OFF 6-1/8" BIT
	16:30 18:00	1.50	DRLPRD	17		P	11,617.0	CUT & SLIP DRLG. LINE
	18:00 18:30	0.50	DRLPRD	12		P	11,617.0	RIG SERVICE
	18:30 20:30	2.00	DRLPRD	14		P	11,617.0	MU 6 1/8" BIT AND PHA. CHANGE OUT ALL 6" IBS.
	20:30 2:30	6.00	DRLPRD	13		P	11,617.0	TIH WITH BIT AND BHA TO CASING SHOE @ 10,420'. FILL PIPE EVERY 30 STANDS.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	2:30 3:30	1.00	DRLPRD	15		P	11,617.0	CIRCULATE BOTTOMS UP AT CASING SHOE. MAX TRIP GAS 3317 UNITS.
	3:30 4:00	0.50	DRLPRD	13		P	11,617.0	TIH FROM 10,420' TO 11,436'
	4:00 6:00	2.00	DRLPRD	16		P	11,617.0	PRECAUTIONARY WASH AND REAM FROM 11,436' TO 11,617'
11/14/2014	6:00 15:30	9.50	DRLPRD	07		P	11,617.0	DRILL FROM 11,617 TO 11,883'.
	15:30 16:00	0.50	DRLPRD	12		P	11,883.0	SERVISC RIG AND TOP DRIVE.
	16:00 6:00	14.00	DRLPRD	07		P	11,883.0	DRILL FROM 11,883' TO 12,215'
11/15/2014	6:00 14:30	8.50	DRLPRD	07		P	12,215.0	DRILL FROM 12,215' TO 12,453'
	14:30 14:30	0.00	DRLPRD	12		P	12,453.0	RIG SERVICE
	14:30 6:00	15.50	DRLPRD	07		P	12,453.0	DRILL FROM 12,453' TO 12,830'
11/16/2014	6:00 13:30	7.50	DRLPRD	07		P	12,830.0	DRILL FROM 12,830' TO 13,053
	13:30 15:00	1.50	DRLPRD	56		N	13,053.0	ROTARY STALLED OUT WHILE ON BTM. WORK TIGHT HOLE PUMP 20 BBL HI-VIS SWEEP. BACK REAM & WASH FROM 13,053' UP TO 13,023' ROTARY KEPT STALLING OUT. CLEAN UP TIGHT HOLE AND WASH BACK TO BTM.
	15:00 0:00	9.00	DRLPRD	07		P	13,053.0	DRILL FROM 13,053' TO 13,207'
	0:00 4:30	4.50	DRLPRD	50		N	13,207.0	BOTH PUMPS WENT DOWN AT THE SAME TIME. WHILE WORKING ON THE PUMPS DRILLER OBSERVED A 20 BBL GAIN. SHUT THE ANNULAR BOP AND HAD 250 PSI INITIAL CASING PRESSURE. CASING PRESSURE STABILIZED @ 341 PSI. SIDPP @ 238 PSI. CALCULATED 15.1 KILL MUD WEIGHT. RAISE MUD WEIGHT IN SYSTEM, PERFORM KILL PROCEDURE.
	4:30 6:00	1.50	DRLPRD	50		N	13,207.0	ATTEMPT TO CIRCULATE KILL MUD @ 50 SPM. PUMPS WILL NOT PRESS. UP TROUBLE SHOOT PUMP PROBLEMS.
11/17/2014	6:00 12:00	6.00	DRLPRD	50		N	13,207.0	WORK ON BOTH PUMPS; WENT THROUGH FLUID ENDS ON BOTH PUMPS, CLEAN OUT WATERMILLIONS, CLEAN OUT SUCTIONS AND INSTALL SCREENS IN SUCTION PODS. KEEP MOVING DRILL STING.
	12:00 13:00	1.00	DRLPRD	50		N	13,207.0	CIRC. KILL MUD DOWN HOLE 15.0 PPG CIRC. OUT GAS MAX GAS 6800 UNITS
	13:00 6:00	17.00	DRLPRD	07		P	13,207.0	DRILL FROM 13,207' TO 13,439'.
11/18/2014	6:00 15:00	9.00	DRLPRD	07		P	13,439.0	DRILL FROM 13,439' TO 13,540'.
	15:00 20:00	5.00	DRLPRD	15		P	13,540.0	CIRC. & COND. MUD FLOW CHECK (WELL FLOWING) CIRC. & COND. MUD RAISE MW FROM 15.0 PPG O 15.1 PPG. FROM 13,540'
	20:00 21:00	1.00	DRLPRD	42		P	13,540.0	MONITOR WELL.
	21:00 6:00	9.00	DRLPRD	13		P	13,540.0	TRIP OUT OF HOLE FOR BIT.
11/19/2014	6:00 11:30	5.50	DRLPRD	13		P	13,543.0	TOOH FOR BIT; FLOW CHECK EVERY 15 STDS. & AT BHA. CHANGE OUT 6-18" BIT
	11:30 14:30	3.00	DRLPRD	13		P	13,543.0	MAKE UP 6-18" MM55 BIT TIH. STAGE IN. FILL EVERY 30 STDS. CIRC. @ 5,000' @ 7" SHOE & @ 11,920'
	14:30 16:00	1.50	DRLPRD	15		P	13,543.0	CIRC. & COND. MUD LOWER MW FROM 15.1 TO 14.8PPG
	16:00 18:30	2.50	DRLPRD	13		P	13,543.0	TIH FROM 5,000' TO 7" SHOE @ 10,420'
	18:30 21:00	2.50	DRLPRD	15		P	13,543.0	CIRC & CONDT. MUD.
	21:00 23:30	2.50	DRLPRD	16		P	13,543.0	WASH AND REAM FROM 10,460' TO 10,845'.
	23:30 0:00	0.50	DRLPRD	13		P	13,543.0	TRIP IN HOLE TO 12,161'.
	0:00 0:30	0.50	DRLPRD	16		P	13,543.0	WASH AND REAM FROM 12,161' TO 12,305'.
	0:30 1:30	1.00	DRLPRD	13		P	13,543.0	TRIP IN HOLE FROM 12,305' TO 13,543'.
	1:30 6:00	4.50	DRLPRD	71		N	13,543.0	ATTEMPTING TO DRILL ZERO FOOTAGE MADE.
11/20/2014	6:00 7:00	1.00	DRLPRD	13		P	13,543.0	TOOH FOR BIT.
	7:00 7:30	0.50	DRLPRD	13		P	13,543.0	TIH; TRIP BACK TO BTM TO CIRC. & RAISE MW.
	7:30 10:00	2.50	DRLPRD	15		P	13,543.0	CIRC. & COND. MUD RAISE MW FROM 14.8 TO 15.0 PPG.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	10:00 1:00	15.00	DRLPRD	13		P	13,543.0	TOOH; SLOW. HOLE NOT TAKING MUD. WELL BALLONING (80 BBLS TO 7" SHOE @ 10,420') CONTINUE TO TOOH SLOW (HOLE NOT TAKING ANY MUD) HOLE STARTED TAKING MUD @ 5,400'.CONTINUE TO POOH SLOW.
	1:00 6:00	5.00	EVLPRD	22		P	13,543.0	RU & RUN IN HOLE WITH QUAD COMBO LOG TOOL SET DOWN COULD NOT GET PASSED 10,480'. RIG DOWN LOGGING TOOLS.
11/21/2014	6:00 8:00	2.00	DRLPRD	14		P	13,543.0	LAY DOWN 4-3/4" D.C.
	8:00 9:30	1.50	CASPRD1	24		P	13,543.0	PJSM WITH CSG. CREW,LINER HAND & RIG CREW. RIG UP CSG.RUNNING EQUIP.
	9:30 10:00	0.50	CASPRD1	24		P	13,543.0	MU FLOAT SHOE, 1 JOINT, FLOAT COLLAR &LANDING COLLAR. CHECKED FLOATS.
	10:00 14:30	4.50	CASPRD1	24		P	13,543.0	TIH WITH ADDITIONAL 70 JTS PLUS 2 MARKER JTS OF 5", 18#, P-110HC,STL LINER. FILLED PIPE EVERY 10 JTS.
	14:30 15:00	0.50	CASPRD1	24		P	13,543.0	MADE UP VERSAFLEX STANDARD LINER HANGER ASSEMBLY & SETTING TOOL.
	15:00 16:00	1.00	CASPRD1	15		P	13,543.0	CIRC B/U @ 2 BPM.
	16:00 16:30	0.50	CASPRD1	24		P	13,543.0	TIH W/ 4" D.P. & 5" LINER 90 FT/ MIN. IN CSG. 60 FT/ MIN. IN OPEN HOLE.FILL PIPE EVERY 1,000'
	16:30 17:00	0.50	CASPRD1	12		P	13,543.0	RIG SERVICE
	17:00 19:00	2.00	CASPRD1	71		N	13,543.0	TRIP OUT OF HOLE 6 STDS. TO RETRIEVE RABBIT ON TOP OF LINER HANGER & TRIP BACK IN HOLE 6 STDS.
	19:00 3:00	8.00	CASPRD1	24		P	13,543.0	TIH W/ 4" D.P. & 5" LINER 90 FT/ MIN. IN CSG. 60 FT/ MIN. IN OPEN HOLE.FILL PIPE EVERY 1,000'
	3:00 6:00	3.00	CASPRD1	24		P	13,543.0	TIH; WASHING LINER THROUGH TIGHT HOLE FROM 10,480 TO10,573' PUMP RATE @ 25 STKS. PER MIN. 2.5 BBLS PER. MIN. ROTATE @ 10 TO 12 RPM WHEN NEEDED.
11/22/2014	6:00 8:00	2.00	CASPRD1	24		P	13,543.0	TIH W/ 4" D.P. & 5" LINER 90 FT/ MIN. IN CSG. 60 FT/ MIN. IN OPEN HOLE.FILL PIPE EVERY 1,000' WASHING LINER FROM 10,573' TO 11,915'
	8:00 10:30	2.50	CASPRD1	15		P	13,543.0	HOLE TRYING TO PACK OFF CIRC. & CLEAN UP HOLE.
	10:30 14:00	3.50	CASPRD1	24		P	13,543.0	TIH W/ 4" D.P. & 5" LINER 90 FT/ MIN. IN CSG. 60 FT/ MIN. IN OPEN HOLE.FILL PIPE EVERY 1,000' WASHING LINER FROM 11,915' TO BTM
	14:00 18:00	4.00	CASPRD1	15		P	13,543.0	CIRC. & COND. HOLE & MUD. TWO B/U @ 2.5 BBLS. PER MIN.
	18:00 21:30	3.50	CASPRD1	65		N	13,543.0	WAITING ON HALLIBURTON CEMENT REPORT.
	21:30 23:00	1.50	CASPRD1	25		P	13,543.0	PJSM RIG UP CEMENT EQUIP. & TEST LINES TO 9,500 PSI.
	23:00 1:30	2.50	CASPRD1	25		P	13,543.0	PUMP 20 BBLS. 15.4 PPG TUNER SPACER. MIX & PUMP 275 SKS. (70 BBLS) 16.4 PPG WITH 1.42 YIELD CEMENT. WASHED LINES DROPPED DART. PUMPED 60 BBLS.CLA-WEB WATER PLUS 108 BBLS. 14.7 MUD. BUMPED PLUG 2868 PSI AT 01:30 P.M. 11/22/14. CHECKED FLOATS, FLOATS HELD 1.5 BBLS RETURNED. PARTIAL RETURNS THROUGH OUT JOB.
	1:30 2:00	0.50	CASPRD1	25		P	13,543.0	RELEASED 1.875" SETTING BALL BURST DISC. WITH 5,300 PSI. PUMPED 57 BBLS. PRESSURE TO 6,100 PSI TO EXPAND SEALS HANGER LINER. PULLED TEST 80K OVERPULL SAT DOWN DP 50K COMPRESSION. RELEASED SETTING TOOL FROM LINER HANGER LANDED FS AT 13,543' FC AT 13,499' LC AT 13,497' LINER TOP AT 10226' OVER LAP 194'
	2:00 4:00	2.00	CASPRD1	15		P	13,543.0	DISPLACE SPACER & CEMENT ABOVE TOOL WITH MUD VOLUME 2 X ANNULAR CAP. ZERO CEMENT RETURNED. POSITIVE TEST LINER TOP TO 1,000 PSI FOR 10 MIN.
	4:00 5:30	1.50	CASPRD1	15		P	13,543.0	DISPLACE MUD FROM DP & 7" CASING ANNULAR WITH CLA-WEB WATER CHECK FLOW FOR 10 MIN.
	5:30 6:00	0.50	CASPRD1	25		P	13,543.0	RIG DOWN HALLIBURTON CEMENT HEAD & EQUIPMENT.
11/23/2014	6:00 7:30	1.50	CASPRD1	25		P	13,543.0	RIG DOWN CEMENT EQUIP. LAY DOWN CEMENT HEAD.
	7:30 21:30	14.00	CASPRD1	14		P	13,543.0	TOOH LAY DOWN 4" D.P.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
11/24/2014	21:30 4:00	6.50	CASPRD1	29		P	13,543.0	NIPPLE DOWN BOPE
	4:00 6:00	2.00	CASPRD1	27		P	13,543.0	NU 11" X 7-1/16" 10M TBG. HEAD & FRAC
	6:00 8:00	2.00	CASPRD1	27		P	13,543.0	NU 11" X 7-1/16" 10M TBG. HEAD & FRAC VALVE TESTED HEAD TO 5,000 PSI FOR 15 MIN. CLOSE ALL VALVES AND SECURE WELL. RELEASE RIG @ 08:00 11/23/2014
11/25/2014	8:00 6:00	22.00	RDMO	02		P	13,543.0	RDMO; MOVE CAMP & TUBULARS TO UTE TRIBAL 3-5B2. RIG DOWN TOP DRIVE & LAY DOWN DERRICK.
	16:07 18:00	1.88	RDMO	02		P	13,453.0	R/D& M/O 75% RIGGED DOWN 40% MOVED OUT
	18:00 6:00	12.00	RDMO	02		P	13,453.0	SDFN

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CENTRAL DIVISION

ALTAMONT FIELD

DYE 3-28A1

DYE 3-28A1

COMPLETION LAND

Operation Summary Report

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1 General**1.1 Customer Information**

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	DYE 3-28A1		
Project	ALTAMONT FIELD	Site	DYE 3-28A1
Rig Name/No.		Event	COMPLETION LAND
Start date	12/6/2014	End date	
Spud Date/Time	10/21/2014	UWI	DYE 3-28A1
Active datum	KB @5,287.7ft (above Mean Sea Level)		
Afe No./Description	159599/52095 / DYE 3-28A1		

2 Summary**2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
12/6/2014	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA (PINCH POINTS PU TBG)
	7:30 10:00	2.50	WOR	16		P		MIRU ND FRAC VALVE, NU BOPE, RU WORK FLOOR AND TUBING EQUIPMENT. SET CAT WALK AND PIPE RACKS OFF LOAD AND PREP 325 JTS 2 7/8", 110 JTS 2 3/8"
	10:00 17:30	7.50	WOR	39		P		PUMU & RIH WITH 4 1/8" BIT, BIT SUB, 110 JTS 2 3/8", X/O TO 2 7/8" TUBING, 286 JTS 2 7/8" 8RD EUE TBG. SWI, EOT @ 12,873'
12/7/2014	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA (POWER SWIVEL OPERATIONS)
	7:30 12:00	4.50	WOR	40		P		CIH W/ 18 JOINTS TAG @ 13,448' W/ JT# 304. RU PUMP & RETURN LINES RU POWER SWIVEL, BREAK CIRCULATION, CLEAN OUT TO 13,495' TM W/ 29' OUT JT # 306. CIRCULATE WELL CLEAN.
	12:00 18:00	6.00	WOR	40		P		RD SWIVEL POOH W/ 306 JTS 2 7/8", X/O TO 2 3/8", 110 JTS 2 3/8", BIT SUB, 4 1/8" BIT.
12/13/2014	6:00 6:30	0.50	SITEPRE	28		P		HELD SAFETY MEETING ON MOVING FRAC TANKS AND HAULING WATER. FILLED OUT JSA.
	6:30 19:00	12.50	SITEPRE	18		P		MOVED IN FRAC TANKS AND HAULED WATER.
12/14/2014	6:00 6:30	0.50	SITEPRE	28		P		HELD SAFETY MEETING ON HAULING WATER. FILLED OUT JSA.
	6:30 19:00	12.50	SITEPRE	18		P		HAULED WATER AND FRAC TANKS
12/15/2014	6:00 6:30	0.50	SITEPRE	28		P		HELD SAFETY MEETING ON HAULING WATER FILLED OUT JSA.
	6:30 19:00	12.50	SITEPRE	18		P		HAUL WATER
12/16/2014	6:00 6:30	0.50	SITEPRE	28		P		HELD SAFETY MEETING ON HAULING WATER. FILLED OUT JSA.
	6:30 19:00	12.50	SITEPRE	18		P		HAULED WATER
12/17/2014	6:00 7:30	1.50	SITEPRE	28		P		CREW TRAVEL HELD SAFETY MEETING ON PRESSURE TESTING FRAC VALVES. FILLED OUT JSA.
	7:30 10:00	2.50	WBP	06		P		PRESSURE TEST CASING @ 9000 PSI FOR 30 MIN HELD. MANUAL FRAC VALVEHAD SLIGHT DRIP OUT OF THE STEM PACKING.
	10:00 14:00	4.00	WHD TRE	47		N		FRAC VALVE LEAKING OUT OF PACKING. WAIT FOR VALVE FROM YARD. CHNGED OUT FRAC VALVE, PCKING LEAKING ON SECOND VALVE. WAIT FOR PACKING FROM VERNAL. CHANGED OUT PAKING.
	14:00 17:30	3.50	WBP	16		P		PRESSURE TEST MANUAL FRAC VALVE HELD, NU FRAC STACK AND PRESSURE TESTED TO 10000 PSI,

12/18/2014

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	6:00 7:30	1.50	STG01	28		P		CREW TRAVEL HELD SAFETY MEETING ON WIRELINE SAFETY FILLED OUT JSA.
	7:30 11:00	3.50	STG01	21		P		RU WIRELINE PERFORATED STAGE #1 FROM 13875' TO 13137'. ALL PERFS CORRELATED TO HALIBURTON RADAIL CBL, GAMMA RAY, CCL LOG RUN #2 DATED 26-NOV-14. 23 NET FT. 69 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 1000 PSI. FINAL PRESSURE 1000 PSI. RD WIRELINE. SECURED WELL.
	11:00 19:00	8.00	SITEPRE	18		P		CONTINUED HEATING FRAC WATER. AND SPOTTED FRAC EQUIPMENT.
12/19/2014	6:00 7:30	1.50	MIRU	28		P		CREW TRAVEL HELD SAFETY ON RIGGING UP FRAC EQUIPMENT. FILLED OUT JSA.
	7:30 13:30	6.00	MIRU	01		P		FINISHED SPOTTING IN AND RIGGING UP FRAC EQUIPMENT.
	13:30 16:00	2.50	STG01	35		P		PRESSURE TEST LINES @ 9305 PSI. OPENED UP WELL W/ 558 PSI. BREAK DOWN STAGE # 1 PERFS @ 6942 PSI, 6.6 BPM, 11 BBLS PUMPED. EST INJ RATE 27 BPM 7605 PSI. I.S.I.P. 6713 PSI F.G. .94, 5 MIN 6477 PSI, 10 MIN 6337 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 2980 LBS 100 MESH IN 1/2 PPG STAGE AND 160880 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 66 BPM, MAX RATE 77 BPM. AVG PRESS 7762, MAX PRESS 8264. I.S.I.P. 6967 PSI. F.G. .95. SHUT WELL IN 4035 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE
	16:00 18:30	2.50	STG02	21		P		RU WIRELINE RIH SET CBP @ 13116' W/ 6100 PSI. PERFORATED STAGE #2 FROM 13101' TO 12844'. ALL PERFS CORRELATED TO HALIBURTON RADAIL CBL, GAMMA RAY, CCL LOG RUN #2 DATED 26-NOV-14. 23 NET FT. 69 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 6100 PSI. FINAL PRESSURE 5600 PSI. RD WIRELINE. SECURED WELL.
	18:30 4:30	10.00	SITEPRE	18		P		HAULED AND HEATED WATER.
	4:30 6:00	1.50	STG02	28		P		HELD SAFETY ON PUMPING PRESSURE FILLED OUT JSA . STARTED PUMP TRUCKS. PRESSURE TEST LINES @ 9323 PSI HELD.
12/20/2014	6:00 8:00	2.00	STG02	35		N		AFTER PRESSURE TEST CHEMICAL PUMPS WOULDN'T WORK, KEPT TRIPPING CIRCUIT BREAKER. REPAIR CHEM TRUCK
	8:00 9:30	1.50	STG02	35		P		OPENED UP WELL W/ 5912 PSI. BREAK DOWN STAGE # 2 PERFS @ 6645 PSI, 12 BPM, 4 BBLS PUMPED. EST INJ RATE 36 BPM 6945 PSI. I.S.I.P. 6058 PSI F.G. .91, 5 MIN 5937 PSI, 10 MIN 5829 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 2980 LBS 100 MESH IN 1/2 PPG STAGE AND 150160 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 75 BPM, MAX RATE 76 BPM. AVG PRESS 7303, MAX PRESS 8430. I.S.I.P. 6348 PSI. F.G. .92. SHUT WELL IN 3899 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE
	9:30 11:00	1.50	STG03	21		P		RU WIRELINE RIH SET CBP @ 12828' W/ 5500 PSI. PERFORATED STAGE #3 FROM 12813' TO 12543'. ALL PERFS CORRELATED TO HALIBURTON CBL, GAMMA RAY, CCL LOG RUN #2 DATED 26-NOV-14. 23 NET FT. 69 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 5500 PSI. FINAL PRESSURE 5400 PSI. RD WIRELINE. TURNED WELL OVER TO FRAC CREW.
	11:00 15:30	4.50	STG03	35		N		WHILE PRESSURE TESTING LINES, POPOFF STRATED TO LEAK A LITTLE, DIDN'T HAVE NEW PIN. WAIT FOR NEW PIN. POPOFF WAS NO GOOD WAIT FOR NEW POPOFF.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	15:30 17:00	1.50	STG03	35		P		OPENED UP WELL W/ 5400 PSI. BREAK DOWN STAGE # 3 PERFS @ 6301 PSI, 8 BPM, 4 BBLS PUMPED. EST INJ RATE 29 BPM 6500 PSI. I.S.I.P. 5565 PSI F.G. .87, 5 MIN 5443 PSI, 10 MIN 5382 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 157800 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 74 BPM, MAX RATE 79 BPM. AVG PRESS 6898, MAX PRESS 8243. I.S.I.P. 5815 PSI. F.G. .89. SHUT WELL IN 3895 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE
	17:00 19:00	2.00	STG04	21		P		RU WIRELINE RIH SET CBP @ 12508' W/ 5500 PSI. PERFORATED STAGE #4 FROM 12493' TO 12258'. ALL PERFS CORRELATED TO HALIBURTON CBL, GAMMA RAY, CCL LOG RUN #2 DATED 26-NOV-14. 23 NET FT. 69 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 5500 PSI. FINAL PRESSURE 5000 PSI. RD WIRELINE. SECURED WELL
	19:00 4:30	9.50	SITEPRE	18		P		FINISHED HAULING AND HEATING WATER.
	4:30 5:00	0.50	STG04	28		P		HELD SAFETY MEETING ON PROPER PPE. FILLED OUT JSA. STARTED EQUIPMENT.
	5:00 6:00	1.00	STG04	35		P		OPENED UP WELL W/ 4942 PSI. BREAK DOWN STAGE # 4 PERFS @ 6359 PSI, 10 BPM, 3 BBLS PUMPED. EST INJ RATE 30.5 BPM 6300 PSI. I.S.I.P. 5339 PSI F.G. .83, 5 MIN 5229 PSI, 10 MIN 5168 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID.
12/21/2014	6:00 7:00	1.00	STG04	35		P		PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 150160 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 75 BPM, MAX RATE 777 BPM. AVG PRESS 6716, MAX PRESS 8057. I.S.I.P. 5894 PSI. F.G. .91. SHUT WELL IN 3848 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE
	7:00 7:30	0.50	STG04	28		P		HELD SAFETY MEETING ON WIRELINE SAFETY. OVERHEAD HAZARDS. FILLED OUT JSA.
	7:30 8:30	1.00	STG05	21		P		RU WIRELINE RIH SET CBP @ 12243' W/ 5300 PSI. PERFORATED STAGE #4 FROM 12228' TO 11977'. ALL PERFS CORRELATED TO HALIBURTON CBL, GAMMA RAY, CCL LOG RUN #2 DATED 26-NOV-14. 23 NET FT. 69 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 5300 PSI. FINAL PRESSURE 5200 PSI. RD WIRELINE. TURNED WELL OVER TO FRAC CREW.
	8:30 10:00	1.50	STG05	35		P		PRESSURE TEST LINES @ 8605 PSI. OPENED UP WELL W/ 5182 PSI. BREAK DOWN STAGE # 5 PERFS @ 5700 PSI, 10 BPM, 4 BBLS PUMPED. EST INJ RATE 33.5 BPM 6250 PSI. I.S.I.P. 5310 PSI F.G. .87, 5 MIN 5189 PSI, 10 MIN 5164 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 150520 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 74.8 BPM, MAX RATE 76.8 BPM. AVG PRESS 6394, MAX PRESS 8078. I.S.I.P. 5643 PSI. F.G. .90. SHUT WELL IN 3807 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE
	10:00 11:30	1.50	STG06	21		P		RU WIRELINE RIH SET CBP @ 11964' W/ 5300 PSI. PERFORATED STAGE #6 FROM 11945' TO 11700'. ALL PERFS CORRELATED TO HALIBURTON CBL, GAMMA RAY, CCL LOG RUN #2 DATED 26-NOV-14. 22 NET FT. 66 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 5300 PSI. FINAL PRESSURE 5100 PSI. RD WIRELINE. TURNED WELL OVER TO FRAC CREW

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	11:30 13:15	1.75	STG06	35		P		PRESSURE TEST LINES @ 8694 PSI. OPENED UP WELL W/ 5078 PSI. BREAK DOWN STAGE # 6 PERFS @ 5987 PSI, 10.5 BPM, 6 BBLS PUMPED. EST INJ RATE 33.5 BPM 7000 PSI. I.S.I.P. 5504 PSI F.G. .89, 5 MIN 5229 PSI, 10 MIN 5157 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 150040 LBS POWER PROP 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 75 BPM, MAX RATE 76 BPM. AVG PRESS 6802, MAX PRESS 8018. I.S.I.P. 5833 PSI. F.G. .92. SHUT WELL IN 3840 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE
	13:15 14:30	1.25	STG07	21		P		RU WIRELINE RIH SET CBP @ 11635' W/ 5400 PSI. PERFORATED STAGE # 7 FROM 11620' TO 11393'. ALL PERFS CORRELATED TO HALIBURTON CBL, GAMMA RAY, CCL LOG RUN #2 DATED 26-NOV-14. 21 NET FT. 63 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 5400 PSI. FINAL PRESSURE 4900 PSI. RD WIRELINE. TURNED WELL OVER TO FRAC CREW
	14:30 17:30	3.00	STG07	35		P		PRESSURE TEST LINES @ 8615 PSI. OPENED UP WELL W/ 4159 PSI. BREAK DOWN STAGE # 7 PERFS @ 6462 PSI, 10 BPM, 6 BBLS PUMPED. EST INJ RATE 25 BPM 7650 PSI. MISSILE STARTED LEAKING ON STEP DOWN TEST, I.S.I.P. 5518 PSI F.G. .91, 45 MIN 5143 PSI (AFTER LEAK FIXED). TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 112800 LBS THS 30/50. IN .5#, 1#, 2# AND 3# STAGES AND 36800 LBS POWER PROP IN 3# STAGE. AVG RATE 73 BPM, MAX RATE 77 BPM. AVG PRESS 6540, MAX PRESS 8387. I.S.I.P. 5815 PSI. F.G. .93. SHUT WELL IN 3867 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE
	17:30 19:00	1.50	STG08	21		P		RU WIRELINE RIH SET CBP @ 11383' W/ 5400 PSI. PERFORATED STAGE # 8 FROM 11368' TO 11125'. ALL PERFS CORRELATED TO HALIBURTON CBL, GAMMA RAY, CCL LOG RUN #2 DATED 26-NOV-14. 22 NET FT. 66 SHOTS. 2 3/4" GUNS, 16 GM CHARGES, 3 JSPF, 120 PHASING. STARTING PRESSURE 5400 PSI. FINAL PRESSURE 5200 PSI. RD WIRELINE. TURNED WELL OVER TO FRAC CREW
	19:00 21:30	2.50	STG08	35		P		PRESSURE TEST LINES @ 8537 PSI. OPENED UP WELL W/ 4731 PSI. BREAK DOWN STAGE # 8 PERFS @ 7288 PSI, 11 BPM, 6 BBLS PUMPED. EST INJ RATE 25.5 BPM 8000 PSI. I.S.I.P. 5679 PSI F.G. .93, 5 MIN 5361 PSI. TREATED PERFS W/ 5000 GALS 15% HCL ACID. PUMPED 3000 LBS 100 MESH IN 1/2 PPG STAGE AND 153800 LBS THS 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 74 BPM, MAX RATE 75 BPM. AVG PRESS 6397, MAX PRESS 7606. I.S.I.P. 5218 PSI. F.G. .89. SHUT WELL IN 3961 BBLS TO RECOVER. SECURED WELL
	21:30 1:00	3.50	RDMO	02		P		RIG DOWN FRAC EQUIPMENT AND MOVE OFF LOCATION.
	1:00 6:00	5.00	MIRU	01		P		COIL TBG ARRIVED ON LOCATION @ 0430. STARTED RIGGING UP.
12/22/2014	6:00 6:30	0.50	CTU	28		P		HELD SAFETY MEETING ON RIGGING UP COIL TUBING. FILLED OUT JSA.
	6:30 9:30	3.00	MIRU	01		P		FINISHED RIGGING UP COIL TBG FILLED COIL, PULL TESTED TBG CONNECTOR. MAKE UP DRILLOUT ASSEMBLY W/ 4 1/8 JZ ROCK BIT.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	9:30 20:30	11.00	CTU	10		P		RIH PUMPING 1/2 BPM AND RETURNING 1/2 BPM. TO LINER TOP @ 10202'. INCREASED RATE TO 2 3/4 BPM RETURNING 4 BPM. DRILLED OUT CBPS @ 11383', 11635', 11964', 12243', 12508', 12828' AND 13116'. CLEANED OUT TO PBTD 13466' COIL TBG MEASUREMENT. CIRCULATE ON BTM FOR 1 HR, TOOH TO LINER TOP CIRCULATE FOR 1 HR. TOOH. BUMPED UP. .
	20:30 23:00	2.50	RDMO	02		P		LD DRILLOUT ASSEMBLY AND 4 1/8 BIT. BLOW COIL TBG DRY. RD COIL TBG. SECURED WELL SDFN.
12/23/2014	6:00 7:30	1.50	WLWORK	28		P		CREW TRAVEL HELD SAFETY MEETING ON PROPER PPE. FILLED OUT JSA,
	7:30 10:30	3.00	WLWORK	20		P		RU WIRELINE RIH W/ 5" PKR (NO PLUG CATCHER). SET PKR @ 10292'. RD WIRELINE.
	10:30 14:00	3.50	WOR	16		P		BLEND DOWN WELL, WHILE ND FRAC VALVES LEFT 7" MANUAL VALVE ON WELLHEAD. NU BOP, RU RIG AND RIG FLOOR.
	14:00 17:00	3.00	INSTUB	39		P		MOVE IN CATWALK, PIPE RACKS AND TBG. TALLIED AND PU ON-OFF TOOL, 5-JTS 2 3/8 N-80 EUE TBG, X-OVER AND 123-JTS 27/8 L-80 EUE TBG. EOT @ 4121'. SECURED WELL SDFN.
12/24/2014	6:00 7:30	1.50	INSTUB	28		P		CREW TRAVEL HELD SAFETY MEETING ON PICKING UP TBG, HAND PLACEMENT. FILLED OUT JSA.
	7:30 10:30	3.00	INSTUB	39		P		CONTINUED RIH W/ 188-JTS 2 7/8 L-80 EUE TBG, LATCHED ONTO PKR 24' OUT JT #311. RELEASED FROM KR LD 1-JT 2 7/8 L-80 TBG,
	10:30 12:30	2.00	INSTUB	06		P		CIRCULATE WELL W/ 375 BBLS PKR FLUID.
	12:30 16:00	3.50	INSTUB	16		P		INSTALLED 6' TBG SUB AND HANGER W/ BPV. LANDED TBG. ND BOP, ND FRAC VALVE. CHECK BPV NO PRESSURE, REMOVE 6' TBG SUB. LANDED TBG W/ HANER AND BPV, NU WELLHEAD. PRESSURE TEST CSG @ 1000 PSI HELD, PRESSURE TEST WELLHEAD AND FLOWLINES @ 5000 HELD.
	16:00 17:00	1.00	RDMO	02		P		RD RIG. CLEANED LOCATION AND GOT READY TO MOVE.
	17:00 6:00	13.00	FB	19		P		4400 PSI, 12/64 CHOKE. RECOVERED 0 MCF, 0 BBLS, OIL 685.
12/25/2014	6:00 6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT JSA.
	6:30 6:00	23.50	FB	19		P		4300 PSI ON 12/64 CHOKE. RECOVERED 307 MCF, 103 BBLS OIL AND 1066 BBLS H2O.
12/26/2014	6:00 6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES FILLED OUT JSA.
	6:30 6:00	23.50	FB	28		P		4175 PSI ON 12/64 CHOKE. RECOVERED 622 MCF, 262 BBLS OIL AND 840 BBLS H2O.
12/27/2014	6:00 6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT JSA
	6:30 6:00	23.50	FB	19		P		3950 PSI ON 14/64 CHOKE. RECOVERED 744 MCF, 429 BBLS OIL AND 841 BBLS H2O.
12/28/2014	6:00 6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT JSA.
	6:30 6:00	23.50	FB	19		P		3725 PSI ON 14/64 CHOKE. RECOVERED 913 MCF, 608 BBLS OIL AND 747 BBLS H2O.
								93 BBLS OIL TRANSFERED FROM FLOWBACK TANK.
12/29/2014	6:00 6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT JSA.
	6:30 6:00	23.50	FB	19		P		3525 PSI ON 14/64 CHOKE. RECOVERED 939 MCF, 598 BBLS OIL AND 589 BBLS H2O.

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		8. WELL NAME and NUMBER: Dye 3-28A1
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002		9. API NUMBER: 43013528290000
PHONE NUMBER: 713 997-5038 Ext		9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2500 FSL 2400 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 28 Township: 01.0S Range: 01.0W Meridian: U		COUNTY: DUCHESNE
		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"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/21/2015	<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="Routine Ops"/>

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

Downsized & deepened pump. See attached for details.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
February 09, 2016**

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 2/8/2016	

CENTRAL DIVISION

ALTAMONT FIELD
DYE 3-28A1
DYE 3-28A1
WORKOVER LAND

Operation Summary Report

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

1 General**1.1 Customer Information**

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	DYE 3-28A1		
Project	ALTAMONT FIELD	Site	DYE 3-28A1
Rig Name/No.	COROD RIG/X	Event	WORKOVER LAND
Start date	12/17/2015	End date	12/22/2015
Spud Date/Time	10/21/2014	UWI	DYE 3-28A1
Active datum	KB @5,287.7ft (above Mean Sea Level)		
Afe No./Description	165968/55825 / DYE 3-28A1		

2 Summary**2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
12/18/2015	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) COLD WEATHER
	7:00 9:00	2.00	MIRU	01		P		ROAD RIG FROM YARD TO 3-28A1, SLIDE ROTA FLEX BACK, MIRU COROD RIG, PUMPED 70 BBLS HOT 2% KCL, L/D POLISH ROD UNSEAT PUMP
	9:00 9:45	0.75	PRDHEQ	18		P		R/U HOT OILER TO TBG, FLUSH COROD W/ 60 BBLS 2% KCL
	9:45 12:00	2.25	PRDHEQ	39		P		POOH W/ 1008' # 8, 1179' # 7, 1165' # 6, 1459' # 5, 3087' # 4, 1460' # 6, L/D SHEAR TOOL, STABILIZER SUB & 2 1/2" X 1 3/4" X 38' PUMP, NO WEAR OR SCALE
	12:00 14:00	2.00	RDMO	02		P		RDMO COROD RIG TO 3-25A1, FLUSH TBG W/ 60 BBLS HOT 2% KCL, SECURE WELL, SDFD.
12/19/2015	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) MOVING & BACKING RIG
	7:00 9:30	2.50	MIRU	01		P		ROAD RIG FROM 3-25A1 TO 3-28A1, MIRU W/O RIG,
	9:30 11:00	1.50	PRDHEQ	16		P		N/D PUMP TEE & 10K B-FLANGE, LAND TBG ON HANGER, N/U 10K X 5K SPOOL & 5K BOPS, R/U WORK FLOOR & TONGS, RELEASE 7" TAC
	11:00 15:00	4.00	PRDHEQ	39		P		R/U DELSCO SCANNERS, POOH SCANNING 287 JTS 2 7/8", 7" TAC, 4 JTS 2 7/8" TBG, R/D SCANNERS, L/D BHA, 4' X 2 7/8" SUB, PSN, 2' X 2 7/8" SUB, 5 1/2" PBGA, 2 JTS 2 7/8" & 5 3/4" SOLID NO/GO, SCANNED 291 JTS HAD 289 YELLOW, L/D 2 BLUE & 0 RED JTS.
15:00 18:00	3.00	WLWORK	18		P		R/U THE PERFORATORS, RIH W/ 1-11/16" SINKER BAR TO 12,000', TRUCK DOESN'T HAVE ENOUGH LINE TO MAKE IT TO PBTD, POOH R/D WIRELINE TRUCK, R/U DIFFERENT TRUCK RIH TAG FILL @ 13',452', 65' BELOW BOTTOM PERF @ 13,387', POOH RDMO WIRELINER TRUCK, SECURE WELL, SDFN.	
12/20/2015	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL, HSM, WRITE & REVIEW JSA (TOPIC) P/U BHA & TBG

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:00 15:30	8.50	PRDHEQ	39		P		bled off well, P/U BHA, 2 3/8" BULL PLUG, 2 JTS 2 3/8", 2 3/8" # 3 DE-SANDER, 2' X 2 3/8" SUB, 2 3/8" PSN, 4' X 2 3/8" SUB, 4 JTS 2 3/8", 1/4 TURN KLX 5" TAC, 97 JTS 2 3/8", 2 3/8" X 2 7/8" X-OVER, R/U HYDRO TESTER, RIH TESTING TBG W/ 287 JTS 2 7/8" YB, R/D TESTER, P/U 19 JTS 2 7/8" YB TBG FROM TUBOSCOPE, R/D WORK FLOOR
	15:30 16:30	1.00	PRDHEQ	16		P		N/D 5K BOPS & 10K X 5K SPOOL, SET 1/4 TURN KLX 5" TAC IN 25,000 LBS TENSION, N/U 10K B-FLANGE, PUMP TEE & FLOW LINES, INSTALL 60' CAPSTRING, SECURE WELL.
	16:30 18:00	1.50	RDMO	02		P		RDMO W/O RIG, CLEAN LOC, SDFN
12/21/2015	6:00 6:00	24.00	PRDHEQ	18		P		NO ACTIVITY, SDFW.
12/22/2015	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL, HSM, WRITE & REVIEW JSA (TOPIC) WELDING COROD
	7:00 8:00	1.00	MIRU	01		P		MIRU COROD RIG, FLUSHED TBG W/ 60 BBLs HOT 2% KCL
	8:00 13:45	5.75	INARTLT	03		P		RIH W/ 2" X 1 1/4" X 37' HF PUMP, 2' STABILZER SUB, ON/OFF TOOL, 1460' # 6, 3087' # 4, CUT & WELD ON 3700' NEW SE # 4, RIH W/ NEW # 4, MAKE WELD, CONTINUE RIH W/ 1459' # 5, 1165' # 6, 1179' # 7, 1008' # 8 SE COROD, SPACE OUT W/ 2-2', 2-4', 3-6', 8' PONY SUBS, P/U POL. ROD, SEAT PUMP @ 13,234'
	13:45 14:15	0.50	INARTLT	18		P		FILL TBG W/ 25 BBLs 2% KCL, STROKE TEST PUMP TO 1000 PSI, GOOD TEST, FLUSH FLOW LINE W/ 20 BBLs HOT 2%
	14:15 15:30	1.25	RDMO	02		P		RDMO COROD RIG, SLIDE IN ROTA FLEX, HANG OFF COROD, START UNIT, CLEAN LOC, TWOTO.

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		8. WELL NAME and NUMBER: Dye 3-28A1
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002		9. API NUMBER: 43013528290000
PHONE NUMBER: 713 997-5038 Ext		9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2500 FSL 2400 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 28 Township: 01.0S Range: 01.0W Meridian: U		COUNTY: DUCHESNE
		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"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/21/2015	<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="Routine Work"/>

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

Downsize & deepen. See attached for details.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
February 09, 2016**

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 1/11/2016	

CENTRAL DIVISION

ALTAMONT FIELD

DYE 3-28A1

DYE 3-28A1

WORKOVER LAND

Operation Summary Report

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

1 General**1.1 Customer Information**

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	DYE 3-28A1		
Project	ALTAMONT FIELD	Site	DYE 3-28A1
Rig Name/No.	COROD RIG/X	Event	WORKOVER LAND
Start date	12/17/2015	End date	12/22/2015
Spud Date/Time	10/21/2014	UWI	DYE 3-28A1
Active datum	KB @5,287.7ft (above Mean Sea Level)		
Afe No./Description	165968/55825 / DYE 3-28A1		

2 Summary**2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
12/18/2015	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) COLD WEATHER
	7:00 9:00	2.00	MIRU	01		P		ROAD RIG FROM YARD TO 3-28A1, SLIDE ROTA FLEX BACK, MIRU COROD RIG, PUMPED 70 BBLS HOT 2% KCL, L/D POLISH ROD UNSEAT PUMP
	9:00 9:45	0.75	PRDHEQ	18		P		R/U HOT OILER TO TBG, FLUSH COROD W/ 60 BBLS 2% KCL
	9:45 12:00	2.25	PRDHEQ	39		P		POOH W/ 1008' # 8, 1179' # 7, 1165' # 6, 1459' # 5, 3087' # 4, 1460' # 6, L/D SHEAR TOOL, STABILIZER SUB & 2 1/2" X 1 3/4" X 38' PUMP, NO WEAR OR SCALE
	12:00 14:00	2.00	RDMO	02		P		RDMO COROD RIG TO 3-25A1, FLUSH TBG W/ 60 BBLS HOT 2% KCL, SECURE WELL, SDFD.
12/19/2015	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) MOVING & BACKING RIG
	7:00 9:30	2.50	MIRU	01		P		ROAD RIG FROM 3-25A1 TO 3-28A1, MIRU W/O RIG,
	9:30 11:00	1.50	PRDHEQ	16		P		N/D PUMP TEE & 10K B-FLANGE, LAND TBG ON HANGER, N/U 10K X 5K SPOOL & 5K BOPS, R/U WORK FLOOR & TONGS, RELEASE 7" TAC
	11:00 15:00	4.00	PRDHEQ	39		P		R/U DELSCO SCANNERS, POOH SCANNING 287 JTS 2 7/8", 7" TAC, 4 JTS 2 7/8" TBG, R/D SCANNERS, L/D BHA, 4' X 2 7/8" SUB, PSN, 2' X 2 7/8" SUB, 5 1/2" PBGA, 2 JTS 2 7/8" & 5 3/4" SOLID NO/GO, SCANNED 291 JTS HAD 289 YELLOW, L/D 2 BLUE & 0 RED JTS.
	15:00 18:00	3.00	WLWORK	18		P		R/U THE PERFORATORS, RIH W/ 1-11/16" SINKER BAR TO 12,000', TRUCK DOESN'T HAVE ENOUGH LINE TO MAKE IT TO PBTD, POOH R/D WIRELINE TRUCK, R/U DIFFERENT TRUCK RIH TAG FILL @ 13',452', 65' BELOW BOTTOM PERF @ 13,387', POOH RDMO WIRELINER TRUCK, SECURE WELL, SDFN.
12/20/2015	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL, HSM, WRITE & REVIEW JSA (TOPIC) P/U BHA & TBG

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:00 15:30	8.50	PRDHEQ	39		P		BLED OFF WELL, P/U BHA, 2 3/8" BULL PLUG, 2 JTS 2 3/8", 2 3/8" # 3 DE-SANDER, 2' X 2 3/8" SUB, 2 3/8" PSN, 4' X 2 3/8" SUB, 4 JTS 2 3/8", 1/4 TURN KLX 5" TAC, 97 JTS 2 3/8", 2 3/8" X 2 7/8" X-OVER, R/U HYDRO TESTER, RIH TESTING TBG W/ 287 JTS 2 7/8" YB, R/D TESTER, P/U 19 JTS 2 7/8" YB TBG FROM TUBOSCOPE, R/D WORK FLOOR
	15:30 16:30	1.00	PRDHEQ	16		P		N/D 5K BOPS & 10K X 5K SPOOL, SET 1/4 TURN KLX 5" TAC IN 25,000 LBS TENSION, N/U 10K B-FLANGE, PUMP TEE & FLOW LINES, INSTALL 60' CAPSTRING, SECURE WELL.
	16:30 18:00	1.50	RDMO	02		P		RDMO W/O RIG, CLEAN LOC, SDFN
12/21/2015	6:00 6:00	24.00	PRDHEQ	18		P		NO ACTIVITY, SDFW.
12/22/2015	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL, HSM, WRITE & REVIEW JSA (TOPIC) WELDING COROD
	7:00 8:00	1.00	MIRU	01		P		MIRU COROD RIG, FLUSHED TBG W/ 60 BBLs HOT 2% KCL
	8:00 13:45	5.75	INARTLT	03		P		RIH W/ 2" X 1 1/4" X 37' HF PUMP, 2' STABILZER SUB, ON/OFF TOOL, 1460' # 6, 3087' # 4, CUT & WELD ON 3700' NEW SE # 4, RIH W/ NEW # 4, MAKE WELD, CONTINUE RIH W/ 1459' # 5, 1165' # 6, 1179' # 7, 1008' # 8 SE COROD, SPACE OUT W/ 2-2', 2-4', 3-6', 8' PONY SUBS, P/U POL. ROD, SEAT PUMP @ 13,234'
	13:45 14:15	0.50	INARTLT	18		P		FILL TBG W/ 25 BBLs 2% KCL, STROKE TEST PUMP TO 1000 PSI, GOOD TEST, FLUSH FLOW LINE W/ 20 BBLs HOT 2%
	14:15 15:30	1.25	RDMO	02		P		RDMO COROD RIG, SLIDE IN ROTA FLEX, HANG OFF COROD, START UNIT, CLEAN LOC, TWOTO.

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