

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 Circle B 2-3C5							
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 ALTAMONT							
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') Bill Barrett Corp., Attn: Teale Stone, Landman						14. SURFACE OWNER PHONE (if box 12 = 'fee') 3033128717							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 1099 18th St., Suite 2300, Denver, CO 80202						16. SURFACE OWNER E-MAIL (if box 12 = 'fee') tstone@billbarrettcorp.com							
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		1927 FSL 1834 FWL		NESW		3		3.0 S		5.0 W		U	
Top of Uppermost Producing Zone		1927 FSL 1834 FWL		NESW		3		3.0 S		5.0 W		U	
At Total Depth		1927 FSL 1834 FWL		NESW		3		3.0 S		5.0 W		U	
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1834			23. NUMBER OF ACRES IN DRILLING UNIT 80							
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 5000			26. PROPOSED DEPTH MD: 12600 TVD: 12600							
27. ELEVATION - GROUND LEVEL 5970			28. BOND NUMBER 400JU0708			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Duchesne City Water							
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 - 750	54.5	J-55 ST&C	0.0	Class G	939	1.15	15.8			
SURF	12.25	9.625	0 - 2000	40.0	N-80 LT&C	0.0	Type V	314	2.36	12.0			
							Class G	195	1.3	14.3			
I1	8.75	7	0 - 9300	29.0	HCP-110 LT&C	10.5	Class G	697	1.91	12.5			
							Class G	280	1.64	13.0			
L1	6.125	5	9100 - 12600	18.0	HCP-110 LT&C	13.0	Class G	208	1.52	14.2			
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 03/13/2015				EMAIL maria.gomez@epenergy.com					
API NUMBER ASSIGNED 43013532780000				APPROVAL  Permit Manager									

**Circle B 2-3C5
Sec. 3, T3S, R5W
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)	4,426' TVD
Green River (GRTN1)	5,216' TVD
Mahogany Bench	6,117' TVD
L. Green River	7,499' TVD
Wasatch	9,204' TVD
T.D. (Permit)	12,600' TVD

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River (GRRV)	4,426' MD/TVD
	Green River (GRTN1)	5,216' MD/TVD
	Mahogany Bench	6,117' MD/TVD
Oil	L. Green River	7,499' MD/TVD
Oil	Wasatch	9,204' MD/TVD

3. Pressure Control Equipment: (Schematic Attached)

A Diverter System on structural pipe from surface to 750' MD/TVD. A Diverter System from 750' MD/TVD to 2,000' MD/TVD. A 10M BOP stack w/ rotating head, 5M annular, flex rams, blinds rams, mud cross & single w/ flex ram used from 2,000' MD/TVD to 9,300' MD/TVD. A 10M BOP stack w/ rotating head, 5M annular, flex rams, blinds rams, mud cross & single w/ flex ram from 9,300' MD/TVD to TD (12,600' MD/TVD).

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

We successfully drilled the Neihart 2-2C5, UDOT 2-1C5 and Young 1-12C5 in 2014 with no issues (all of those wells are within 2.0 miles of the proposed location). We TD'd the Neihart 2-2C5 at 12,028' MD w/ 13.0 ppg MW and had a 10M stack with a 5M annular. We TD'd the UDOT 2-1C5 at 12,650' MD w/ 13.3 ppg MW and had a 10M stack with a 5M annular. We TD'd the Young 1-12C5 at 12,200' MD w/ 12.5 MW and had a 10M stack with a 5M annular.

We have pre-set our 9-5/8" casing numerous wells around the proposed location with no issues. We will use an air rig to drill the 17-1/2" hole / set 13-3/8" casing and drill the 12-1/4" hole / set 9-5/8" casing on the proposed location.

There are 4 SWD wells within 3 miles of the proposed location but none of them are within 1.5 miles. No pressure communication is expected to be seen, however it is important to be aware of them. **If any pressure communication is seen, we can easily weight up to control the wellbore. Our intermediate cement design will be 12.5 ppg lead & 13 ppg tail. We will also pump a weight spacer.**

- 1. The LDS Church 2-27B5 SWD is 9,227' or 1.75 miles North of the proposed location.** It is owned by EP Energy & has been injecting since 11/4/74. It has been injecting at an average of 4,100 bbls/day @ 505 psi. The maximum allowable injection pressure is 550 psi. When it goes down for maintenance, the pressure dissipates to 150 psi. The injection interval is from 2,088'-2,860'. The EMW is 9.98 ppg. Since this SWD is North of the proposed location (which means it is not on fracture orientation) & more than 1.5 miles away, I know we will not see any pressure from this well.
- 2. The Saleratus 2-17C5 SWD is 11,930' or 2.26 miles to the South West of the proposed location.** It is operated by Linn Operating. It is located 1,374' FNL and 1,174' FEL of the NE corner of Sec 17, T3S, R5W. It has been injecting into the Uinta formation since 1975. The injection interval is from 2017'-3286'. The injection rate is between 1600-1800 bbls/day @ 700-800 psi (maximum allowable injection pressure is 1000 psi). When the well is down, the pressure has dropped off to 200 psi. Using 200 psi, the EMW @ 2017' is 10.51 ppg (the weight of the fluid being injected is ~8.6 ppg). We have drilled as close as 1.5 miles to this SWD well & **on fracture orientation** and have not seen any pressure while drilling.
- 3. The Rhoades Moon 1-36B5 SWD is 14,837' or 2.81 miles North East of the proposed location.** It is owned by EP Energy & is an active SWD well. It has been injecting since 2001. The injection interval is from 4114'-5055'. The injection rate averages 7200 bbls/day @ 900 psi (maximum allowable injection pressure is 1400 psi). When the well goes down for maintenance, the pressure dissipates to 600 psi. Using 600 psi, the EMW @ 4114' is 11.4 ppg (the weight of the fluid being injected is ~8.6 ppg). Since this SWD is North East of the proposed location (which means it is not on fracture orientation) & more than 2.5 miles away, I do not think we will see any pressure from this well.

- 4. The Blue Bench 1-13C5 SWD is 15,342' or 2.91 miles to the South East of the proposed location.** It is owned by Intercept Energy & is an active SWD well. It is injecting into the Upper/Middle Green River & Upper-most Lower Green River. The injection interval is from 4106'-7528'. The injection rate is now ~500 bbls/day @ 500-600 psi (I just got off the phone with Keith who is with Intercept Energy). The pressure dissipates to 300 psi while down on maintenance. Using 300 psi, the EMW @ 4106' is 10.01 ppg. We will not see any pressure from this well since it is 2.91 miles away from the proposed location. We have drilled as close as 0.98 miles to this SWD well & on fracture orientation and have not seen any pressure while drilling.

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, blinds 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 2,000' - TD
- B) Mud logger with gas monitor – 2,000' 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	Air	Air
Intermediate	WBM	9.3 – 10.5
Production	WBM	11.0 – 13.0

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: 2,000' MD/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 12,600' TVD equals approximately 8,518 psi. This is calculated based on a 0.676 psi/ft gradient (13.0 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 5,746 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 9,300' TVD = 7,440 psi

BOPE and casing design will be based on the lesser of the two MASPs which is 5,746 psi.

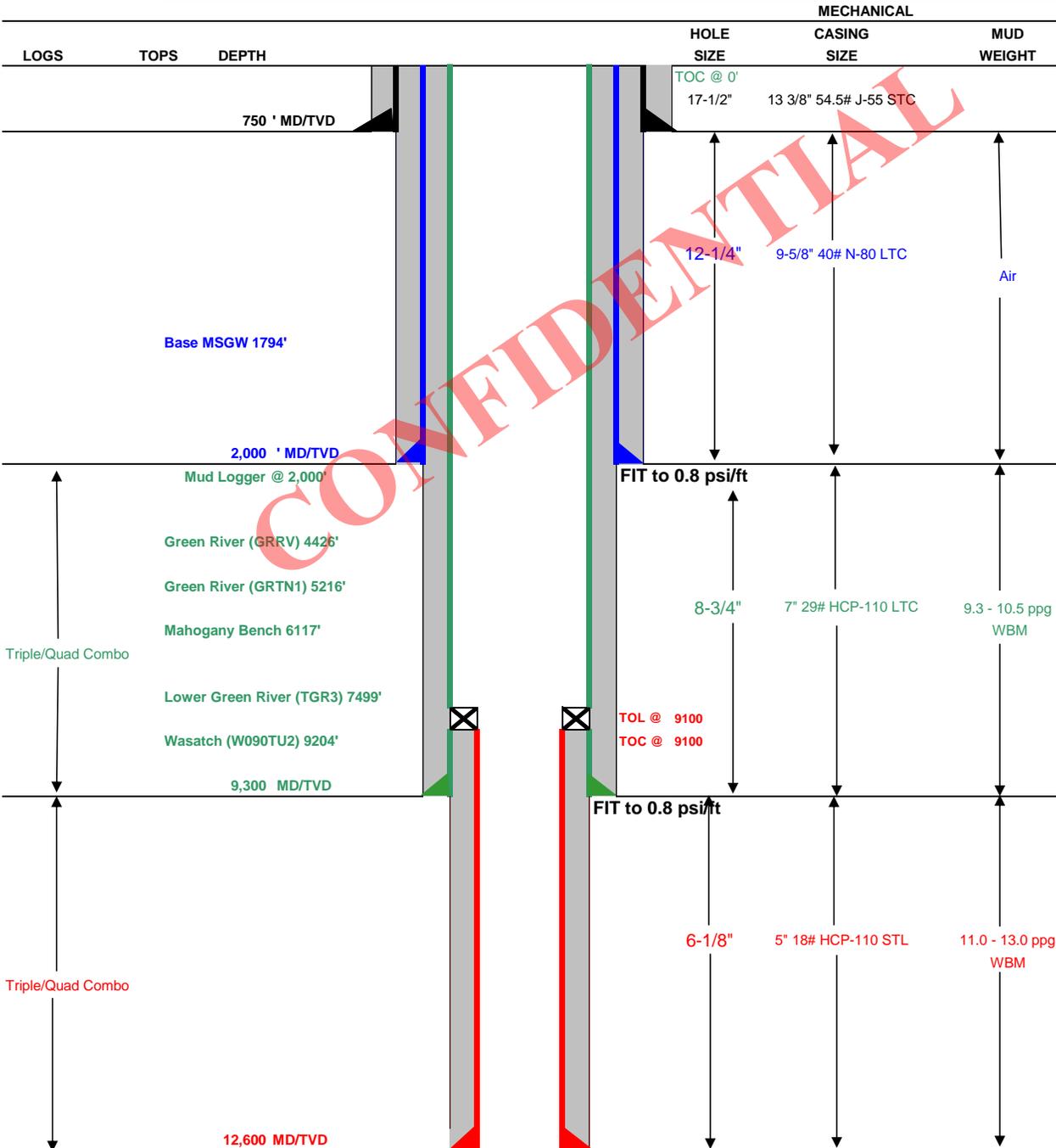
8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**

CONFIDENTIAL



Drilling Schematic

Company Name: EP ENERGY	Date: March 3, 2015
Well Name: Circle B 2-3C5	TD: 12,600
Field, County, State: Altamont, Duchesne, Utah	AFE #: TBD
Surface Location: Sec 3 T3S R5W 1927' FSL 1834' FWL	BHL: Straight Hole
Objective Zone(s): Green River, Wasatch	Elevation: 5969.9
Rig: Patterson 307	Spud (est.): TBD
BOPE Info: Diverter Stack from 750' to 2,000'. 11 10M BOP stack w/ rotating head & 5M annular from 2,000' to 9,300'. 11 10M BOP stack w/ rotating head, 5M annular, flex rams, blind rams, mud cross & single w/ flex ram from 9,300' to TD	



DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0 750	54.5	J-55	STC	2,740	1,130	514
SURFACE	9-5/8"	0 2000	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0 9300	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5"	9100 12600	18.00	HCP-110	STL	13,940	15,450	341

CEMENT PROGRAM	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR	750	Class G + 3% CACL2	939	100%	15.8 ppg	1.15
SURFACE	Lead	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	314	100%	12.0 ppg	2.36
	Tail	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	195	50%	14.3 ppg	1.30
INTERMEDIATE	Lead	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	697	35%	12.5 ppg	1.91
	Tail	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	280	30%	13.0 ppg	1.64
PRODUCTION LINER	3,500	EXTENDACEM SYSTEM: Class G Cement + 0.2% Super CBL + 0.3% Halad 344 + 0.3% Halad 413 + 5 lb/sk Silicalite + 20% SSA-1 + 2% Bentonite + 0.7% HR-5	208	30%	14.2 ppg	1.52

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	Halliburton's PDC drillable 10M, P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at +/- 7,500'.
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



CIRCLE B 2-3C5
WELL LOCATION: NE/SW SECTION 3, T.3S, R.5W. U.S.B.&M.
DUCHESNE COUNTY, UTAH

PROCEED IN A WESTERLY DIRECTION FROM DUCHESNE, UTAH ALONG HIGHWAY 40 APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY THEN NORTH EASTERLY THEN NORTHERLY THEN NORTHEASTERLY DIRECTION APPROXIMATELY 5.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY THEN NORTHWESTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND THE PROPOSED ACCESS ROAD TO THE NORTHEAST; TURN RIGHT AND FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 2,974 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM BLUEBELL, UTAH TO THE PROPOSED LOCATION IS APPROXIMATELY 7.2 MILES.



OUTLAW
ENGINEERING INC.

P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321

RECEIVED: March 13, 2015

EP ENERGY

CIRCLE B 2-3C5

WELL LOCATION: NE/SW SECTION 3, T.3S, R.5W, U.S.B.&M.
DUCHESNE COUNTY, UTAH



Photo: View of location stake

Camera Angle: Northerly

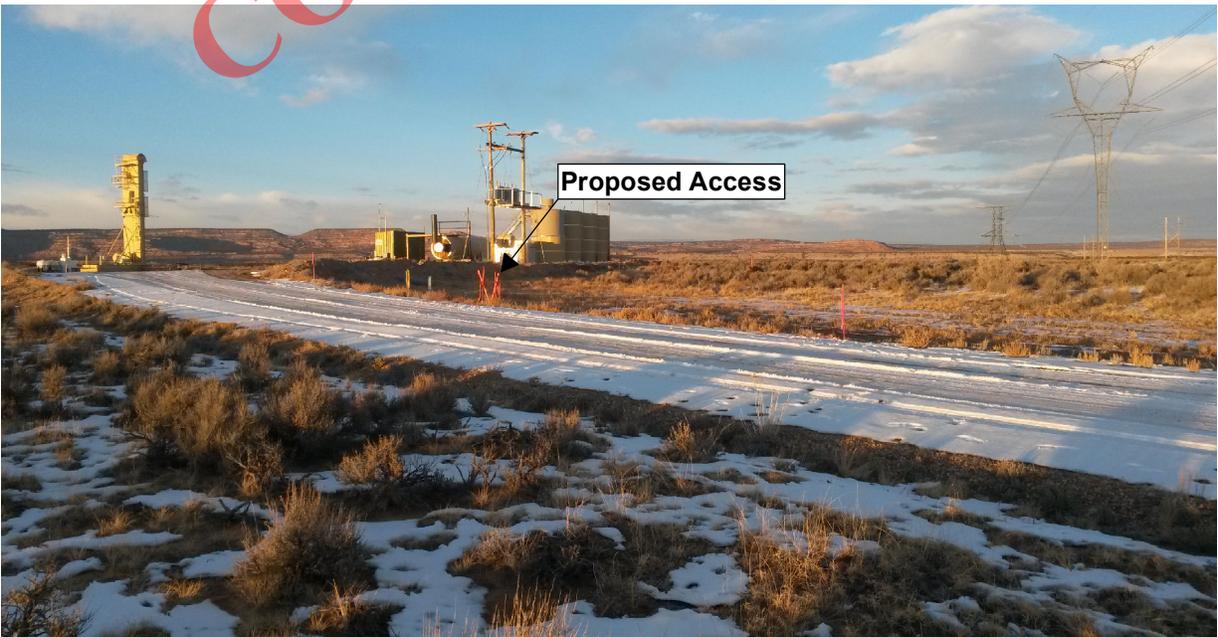


Photo: View from beginning of proposed access

Camera Angle: Northerly



PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY OUTLAW ENGINEERING, INC. AND MAY NOT REFLECT ACTUAL LOCATION OF PROPERTY LINES.

Location Photos

VERSION:	V1
SURVEYED:	1-23-15



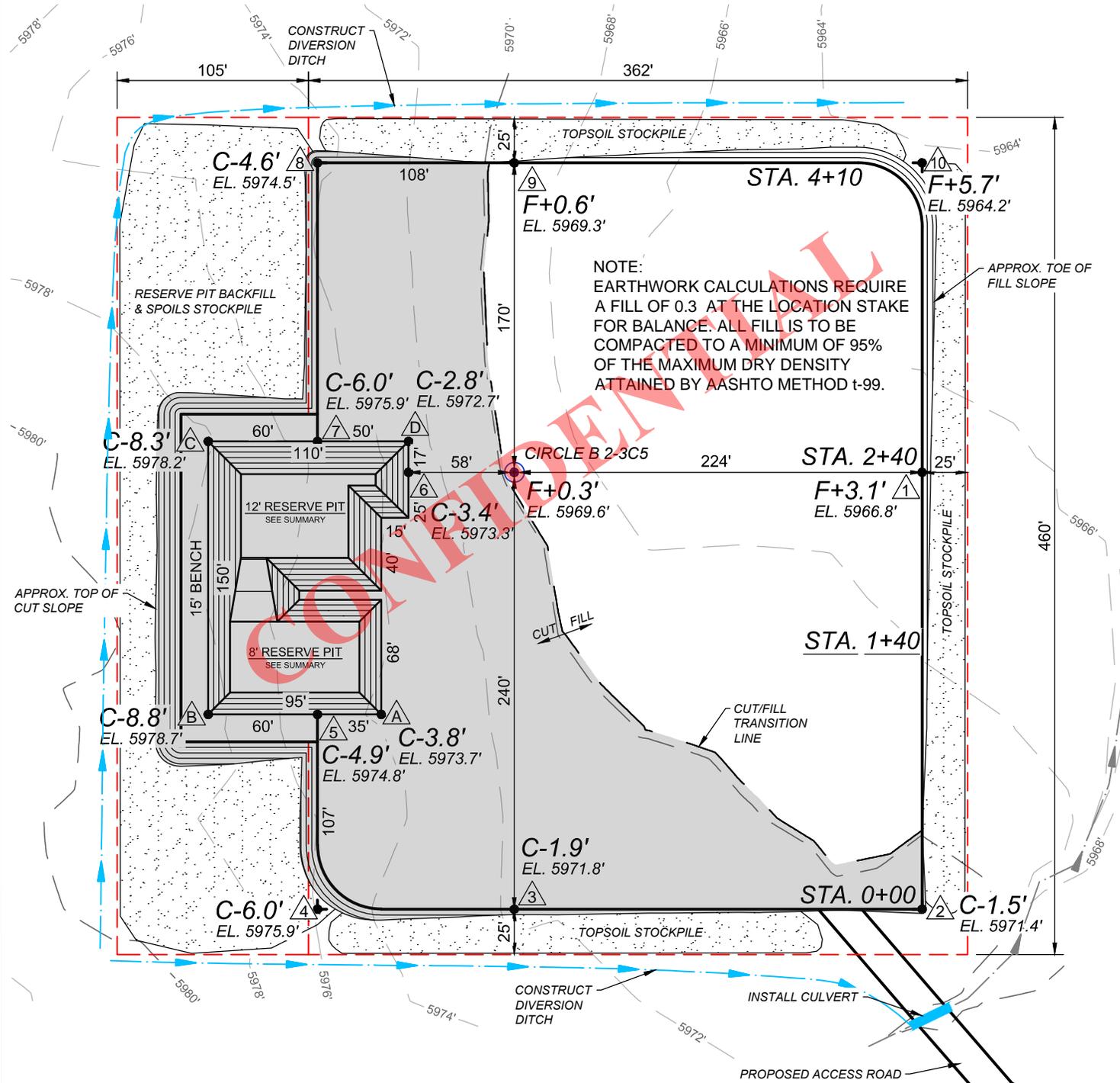
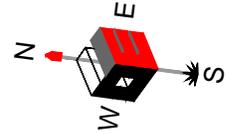
JAN 28, 2015
AUTHOR: BWH

PHOTO



PROPOSED LOCATION LAYOUT
CIRCLE B 2-3C5

WELL LOCATION: NE/SW SECTION 3, T3S, R5W, U.S.B.&M.
DUCHESNE COUNTY, UTAH



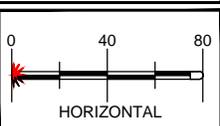
NOTE:
EARTHWORK CALCULATIONS REQUIRE A FILL OF 0.3 AT THE LOCATION STAKE FOR BALANCE. ALL FILL IS TO BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY ATTAINED BY AASHTO METHOD t-99.

LEGEND	
	EXISTING CONTOURS
	PROPOSED CONTOURS
	LIMITS OF DISTURBANCE
	DIVERSION DITCH
	CORNER NUMBER
	CUT/FILL NUMBER
	EXISTING GRADE
	PROPOSED WELL LOCATION

SUMMARY
EXISTING GRADE @ CENTER OF WELL= 5969.6'
FINISH GRADE ELEVATION = 5969.9'
CUT SLOPES = 1.5 : 1
FILL SLOPES = 1.5 : 1
TOTAL WELL PAD AREA = 3.42 ACRES
TOTAL WELL PAD DISTURBANCE AREA = 4.93 ACRES

PROPOSED LOCATION LAYOUT	
CIRCLE B 2-3C5	
WELL LOCATION: NE/SW SECTION 3, T3S, R5W, U.S.B.&M. DUCHESNE COUNTY, UTAH	

OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321



RESERVE PIT
8' & 12' DEEP, SEE ABOVE
SLOPE 1.5:1
PIT VOL. = 3,890 CY

PAD/PIT GRADING	JANUARY 27, 2015	SHEET NO. 2
	SCALE: 1" = 80'	
DESIGN: MA,RFII DRAWN: JMH		

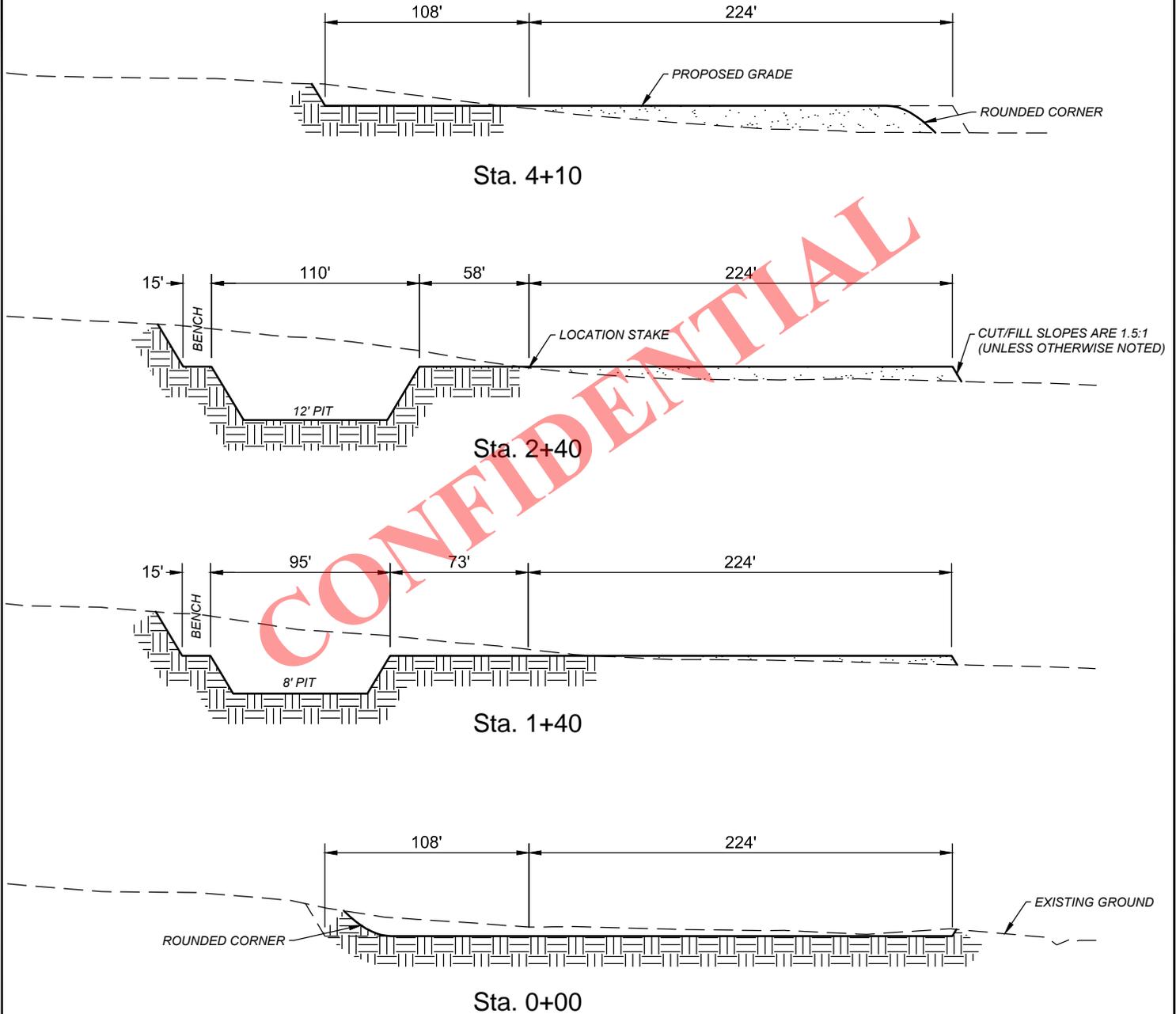


CROSS SECTIONS

CIRCLE B 2-3C5

WELL LOCATION: NE/SW SECTION 3, T3S, R5W, U.S.B.&M.

DUCHESNE COUNTY, UTAH



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- CUT
- FILL

ESTIMATED EARTHWORK QUANTITIES

* NO SHRINK OR SWELL FACTORS HAVE BEEN USED (QUANTITIES EXPRESSED IN CUBIC YARDS)

ITEM	CUT	FILL	EXCESS/IMPORT	6" T.S.*
PAD	8,280	8,280	0	2,950
PIT	3,890	-	0	-

*(T.S.) = TOPSOIL STRIPPING

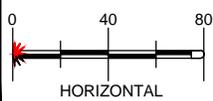
CROSS SECTIONS

CIRCLE B 2-3C5

WELL LOCATION: NE/SW SECTION 3, T3S, R5W, U.S.B.&M.
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CROSS SECTIONS

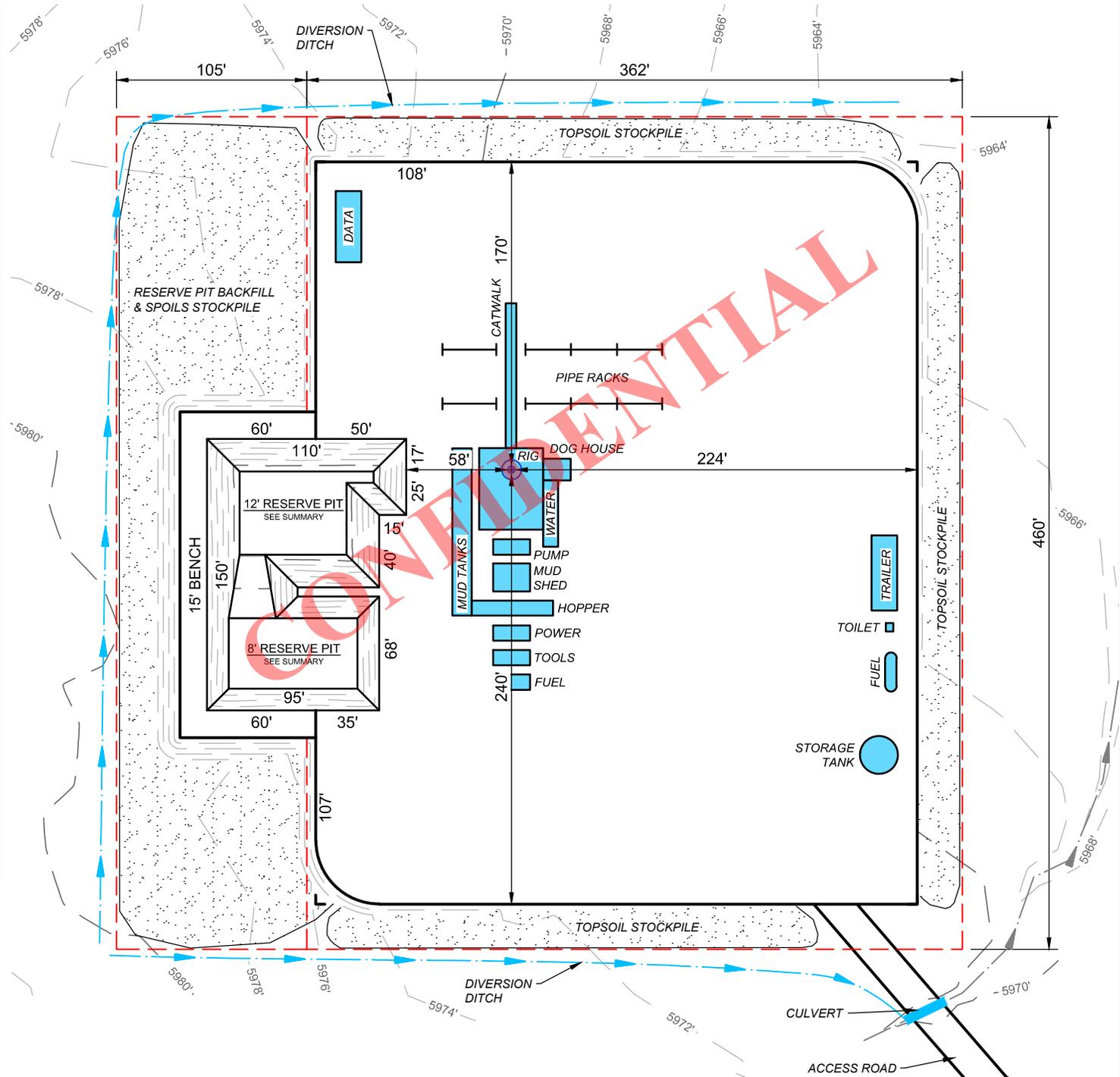
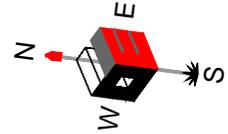
JANUARY 27, 2015
SCALE: 1" = 80'
DESIGN: MA,RFH DRAWN: JMH

SHEET NO. **3**



RIG LAYOUT CIRCLE B 2-3C5

WELL LOCATION: NE/SW SECTION 3, T3S, R5W, U.S.B.&M.
DUCHESE COUNTY, UTAH

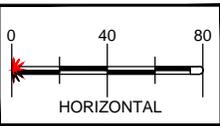


LEGEND	
	EXISTING CONTOURS
	PROPOSED CONTOURS
	LIMITS OF DISTURBANCE
	EXISTING FENCE
	DIVERSION DITCH
	WELL LOCATION

SUMMARY
SEE CROSS SECTION SHEET FOR QUANTITIES

RIG LAYOUT
CIRCLE B 2-3C5
WELL LOCATION: NE/SW SECTION 3, T3S, R5W, U.S.B.&M.
DUCHESE COUNTY, UTAH

OUTLAW ENGINEERING INC.
P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321



RIG LAYOUT

JANUARY 27, 2015
SCALE: 1" = 80'
DESIGN: MA,RFII DRAWN: JMH

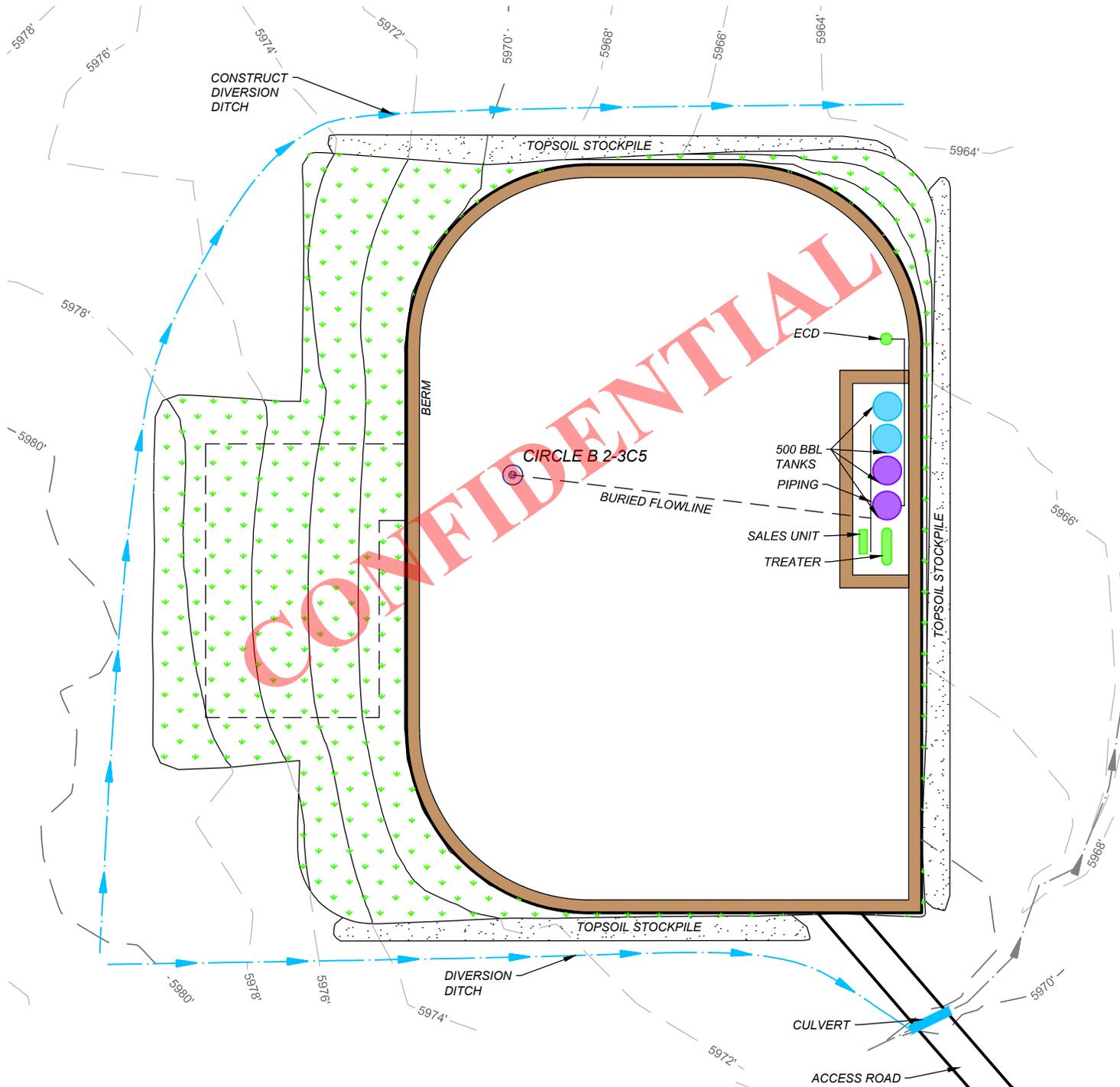
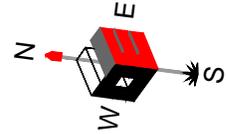
SHEET NO.
4



PRODUCTION FACILITY LAYOUT

CIRCLE B 2-3C5

WELL LOCATION: NE/SW SECTION 3, T3S, R5W, U.S.B.&M.
 DUCHESNE COUNTY, UTAH

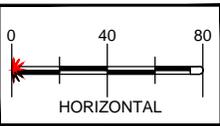


LEGEND	
	EXISTING CONTOURS
	PROPOSED CONTOURS
	LIMITS OF DISTURBANCE
	DIVERSION DITCH
	BERM
	WELL LOCATION
	RECLAIMED AREA

SUMMARY
APPROX UN-RECLAIMED AREA = 2.51 ACRES
APPROX RECLAIMED AREA = 0.91 ACRES

PRODUCTION FACILITY LAYOUT
CIRCLE B 2-3C5
 WELL LOCATION: NE/SW SECTION 3, T3S, R5W, U.S.B.&M.
 DUCHESNE COUNTY, UTAH

OUTLAW ENGINEERING INC.
 P.O. BOX 1800
 ROOSEVELT, UTAH 84066
 (435) 232-4321

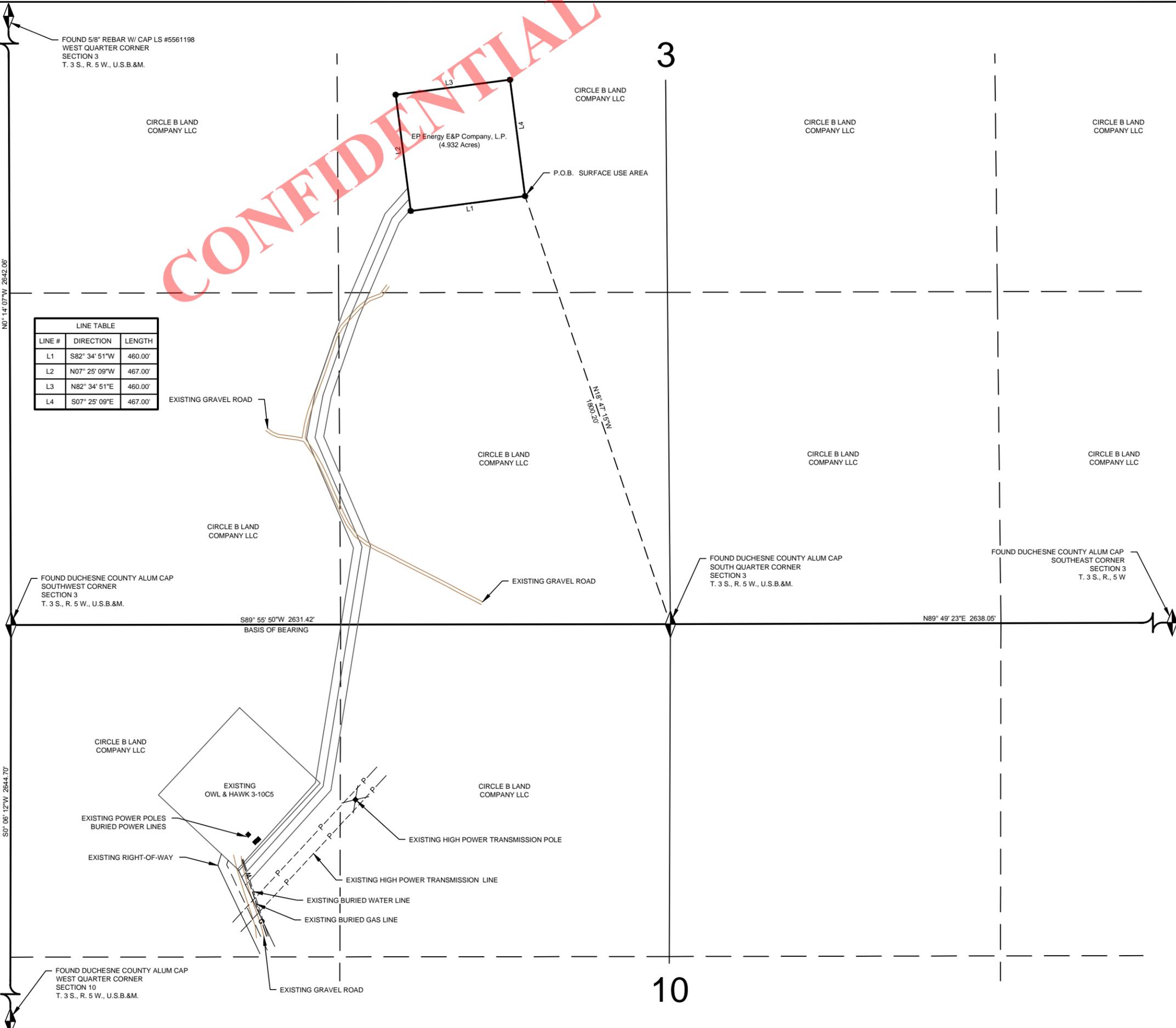


PRODUCTION LAYOUT

JANUARY 27, 2015
 SCALE: 1" = 80'
 DESIGN: MA,RFII DRAWN: JMH

SHEET NO.
5

CONFIDENTIAL



LINE #	DIRECTION	LENGTH
L1	S82° 34' 51"W	460.00'
L2	N07° 25' 09"W	467.00'
L3	N82° 34' 51"E	460.00'
L4	S07° 25' 09"E	467.00'

EP ENERGY E&P COMPANY, L.P.
 LOCATION SURFACE USE AREA SURVEY ON
 FEE LANDS FOR
CIRCLE B LAND COMPANY LLC
 LOCATED IN SECTION 3, TOWNSHIP 3 S., RANGE 5 W., U.S.B.&M.,
 DUCHESNE COUNTY, UTAH

SURVEYOR'S CERTIFICATE
 I, JARED L. WATSON DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND THAT I HOLD CERTIFICATE NO. 5047065 AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH AND THAT A SURVEY OF THE DESCRIBED PROPERTY HEREIN WAS PERFORMED UNDER MY DIRECTION.



SURFACE USE AREA DESCRIPTION
 BEGINNING AT A POINT WHICH IS LOCATED NORTH 18°47'15" WEST 1800.20 FEET FROM THE SOUTH QUARTER CORNER OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 5 WEST, UTAH SPECIAL BASE AND MERIDIAN; THENCE SOUTH 82°34'51" WEST 460.00 FEET; THENCE NORTH 07°25'09" WEST 467.00 FEET; THENCE NORTH 82°34'51" EAST 460.00 FEET; THENCE SOUTH 07°25'09" EAST 467.00 FEET TO THE POINT OF BEGINNING. THE BASIS OF BEARING USED FOR THIS DESCRIPTION IS SOUTH 89°55'50" WEST BETWEEN THE SOUTH QUARTER CORNER AND THE SOUTHWEST CORNER OF SAID SECTION 3.

SURFACE USE AREA
 CIRCLE B LAND COMPANY LLC = 4.932 ACRES, MORE OR LESS

- LEGEND**
- = FOUND SECTION CORNER
 - = CALCULATED SECTION CORNER
 - = SECTION LINE
 - = QUARTER SECTION LINE
 - = SIXTEENTH SECTION LINE
 - = CENTERLINE OF EXISTING RIGHT-OF-WAY

SCALE: 1" = 400'
 11X17 SHEET

SHEET
 SURFACE USE AREA

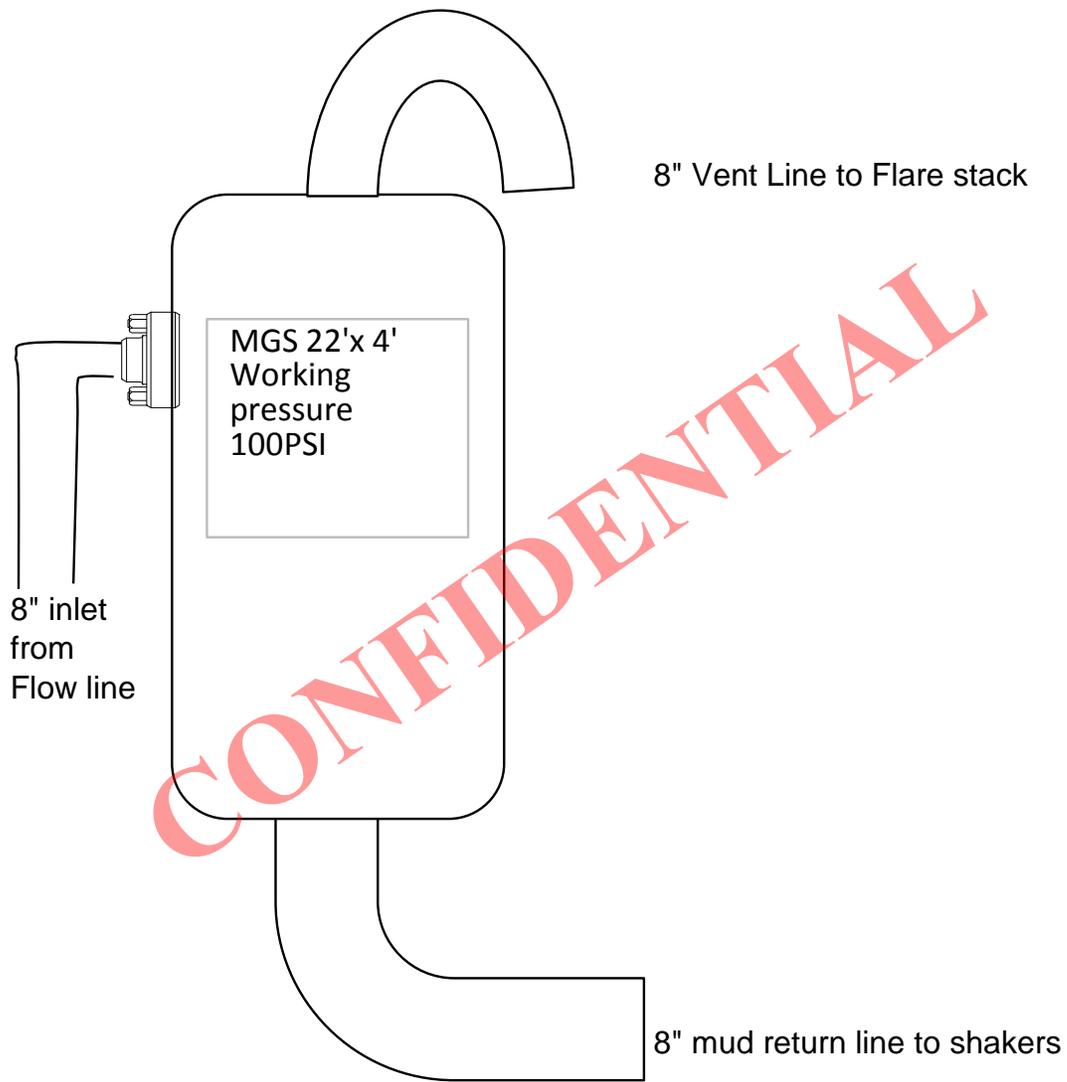


PLAT NO. 310B | DATE FEBRUARY 4, 2015 | SHEET NO. 1 OF 1

RECEIVED: March 13, 2015



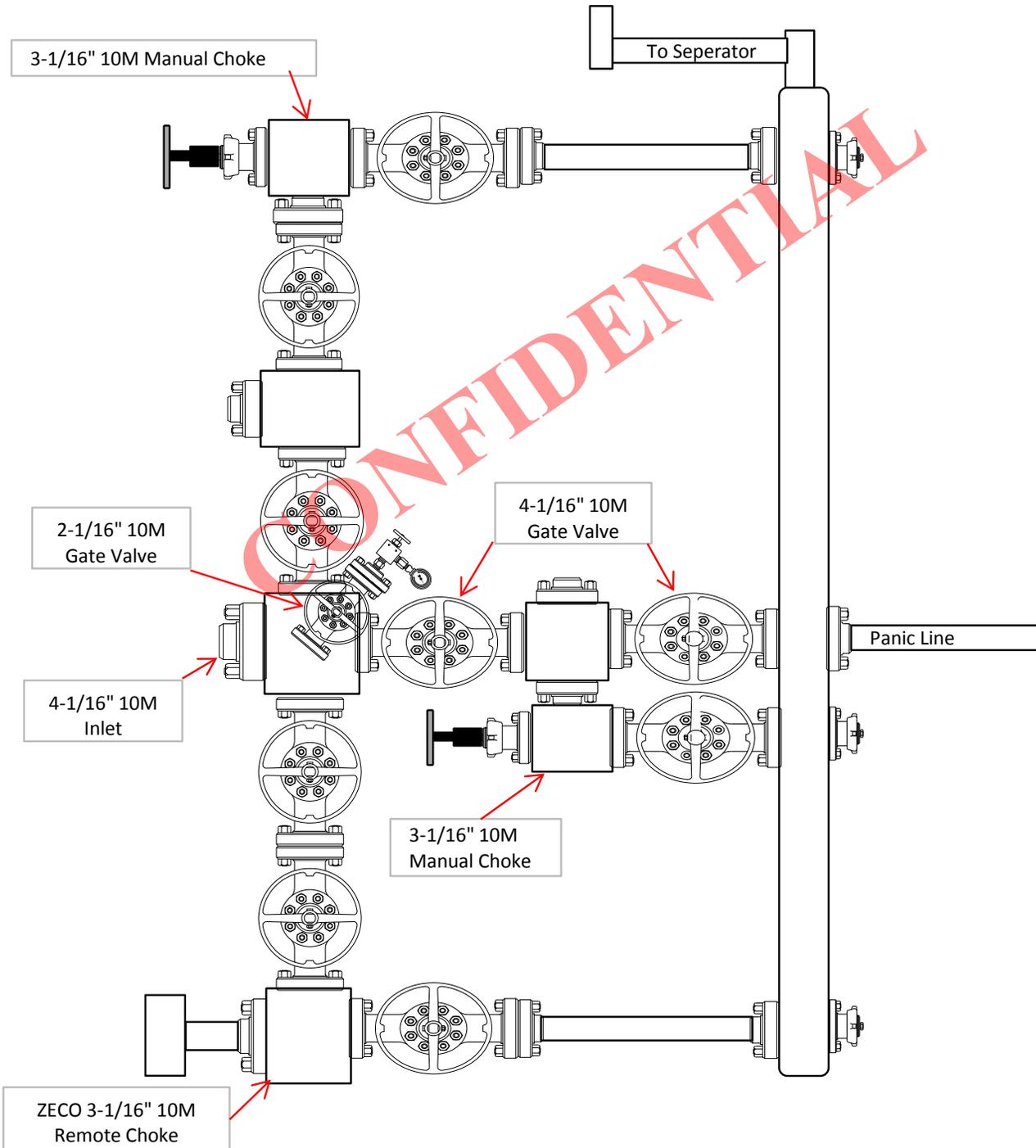
Mud Gas Separator





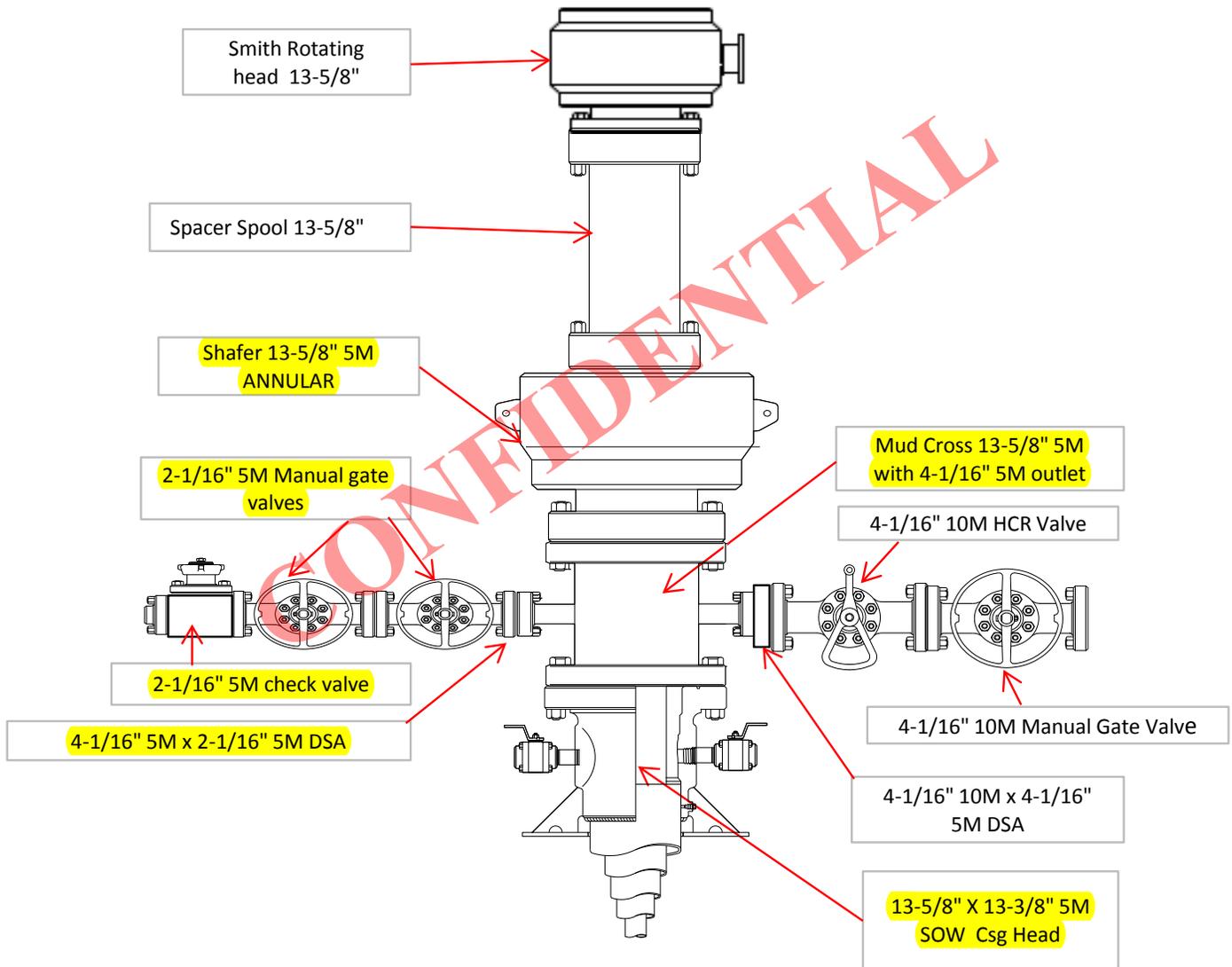
10M Choke Manifold Configuration

All valves on the Choke Manifold are 3-1/16" 10M except for those that are identified below.



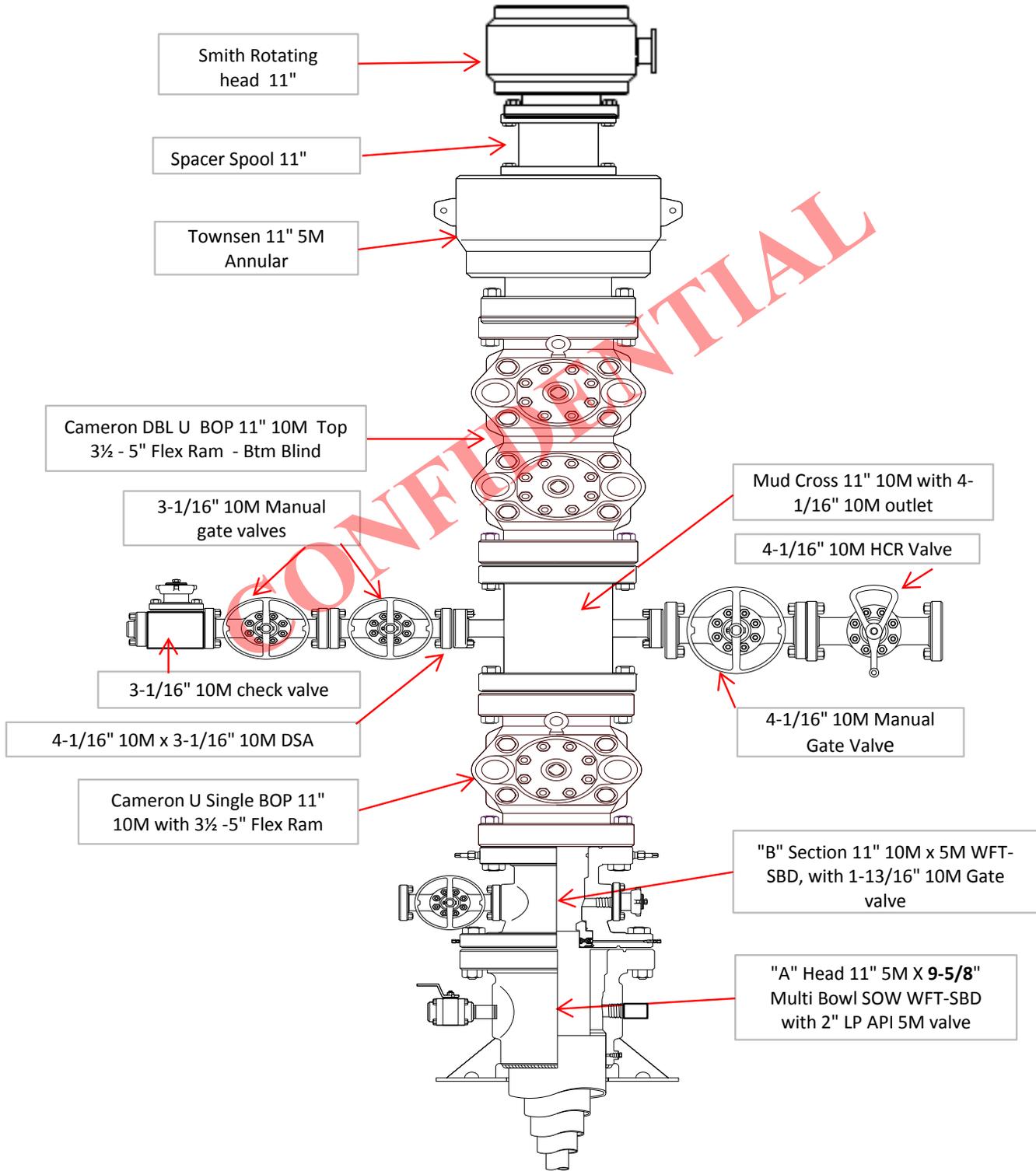


Surface 13-5/8" 3M Diverter Configuration



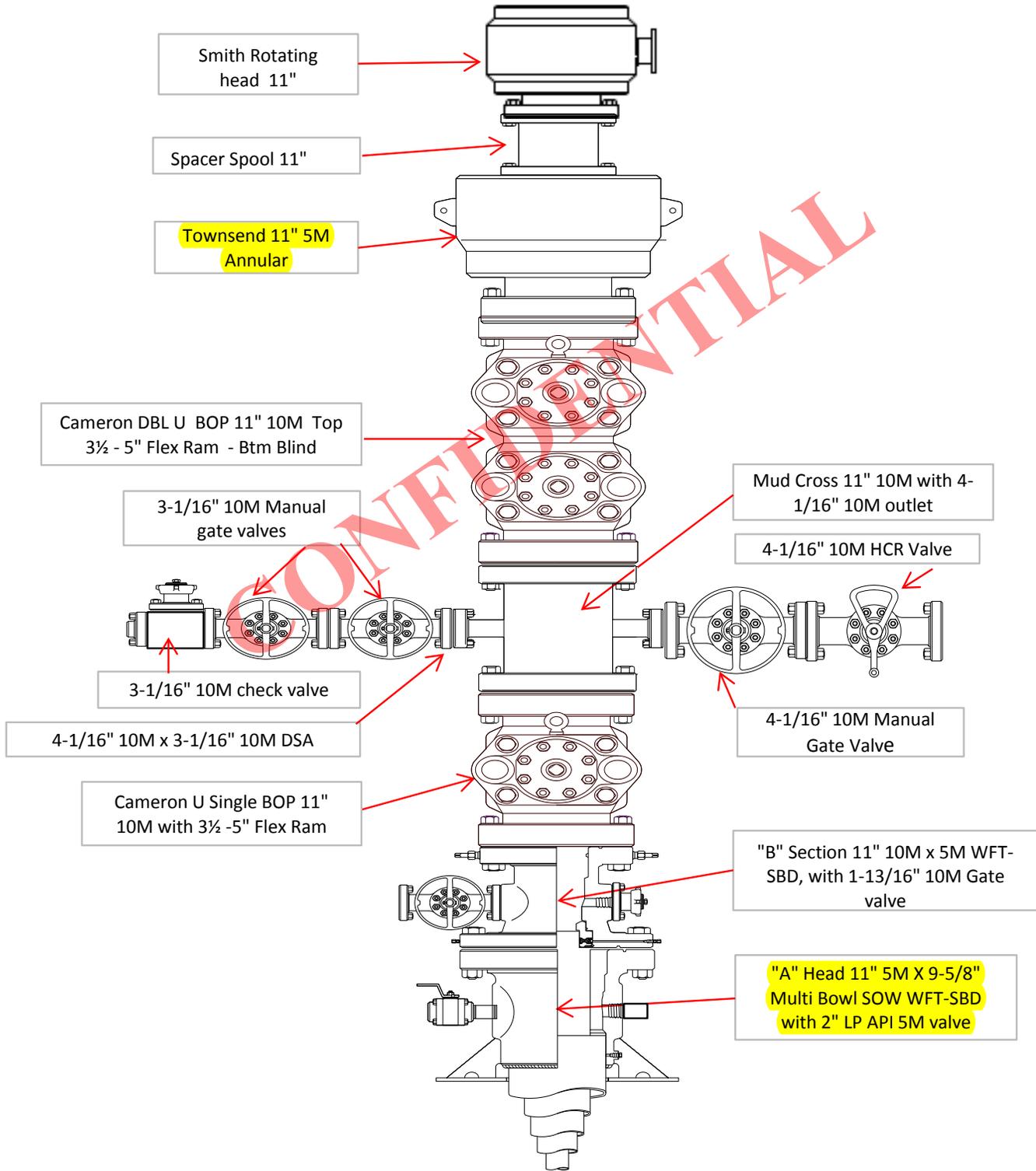


Intermediate 11" 5M BOP Configuration





Production 11" 10M BOP Configuration





EP ENERGY
WELL LOCATION PLAT

WELL: CIRCLE B 2-3C5

PAD LOCATION: NE1/4 SW1/4 SECTION 3, T.3S., R.5W., U.S.B.&M.
 DUCHESNE COUNTY, UTAH

CALCULATED USING
 OTHER SURVEYS

CALCULATED USING
 OTHER SURVEYS

FOUND NAIL
 AND WASHER
 IN MARKED STONE

N89° 32' 43"E 2652.01' (CALC.)

N89° 30' 38"E 2640.19' (CALC.)

N1° 13' 46"W 2601.21'

S0° 13' 21"E 2637.45' (CALC.)

FOUND 5/8"
 REBAR AND CAP

03

CIRCLE B 2-3C5
 Elev. Ungraded
 Ground = 5,969.6'
 Elev. Graded
 Ground = 5,969.9'

CALCULATED USING
 OTHER SURVEYS

N0° 14' 07"W 2642.06'

S0° 44' 06"E 2637.69' (CALC.)

1834'

1927'

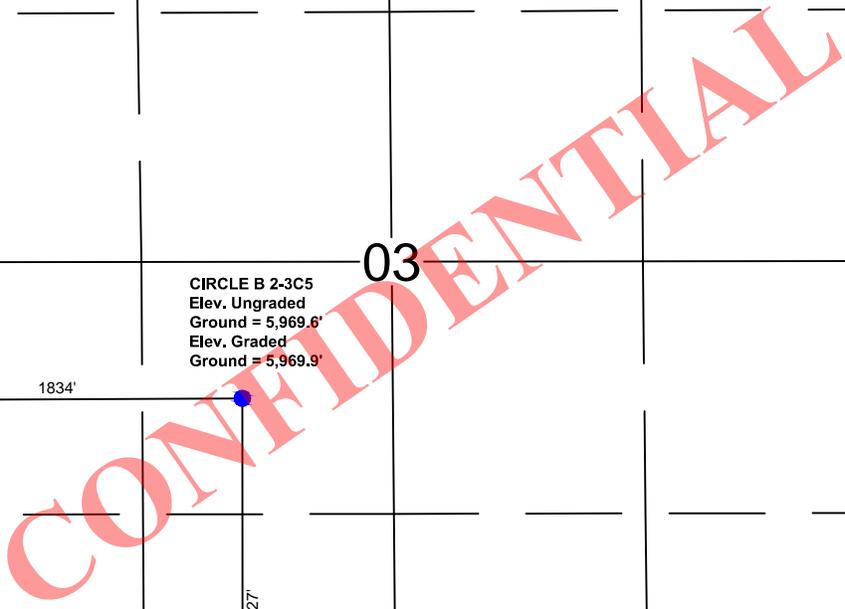
FOUND DUCHESNE
 COUNTY ALUM. CAP

N89° 55' 50"E 2631.42'

FOUND DUCHESNE
 COUNTY ALUM. CAP

N89° 49' 23"E 2638.05'

FOUND DUCHESNE
 COUNTY ALUM. CAP



CERTIFICATE

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

LEGEND

- = FOUND SECTION CORNER
- = CALC. SECTION CORNER
- = PROPOSED WELL HEAD

NOTES:

1. WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINE.
2. ALL BEARINGS AND DISTANCES ARE MEASURED UNLESS OTHERWISE NOTED.
3. BEARINGS ARE DERIVED FROM G.P.S. OBSERVATIONS AND EQUIPMENT.
4. THE GENERAL LAND OFFICE G.L.O. PLAT WAS USED FOR REFERENCE

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTH QUARTER CORNER OF SECTION 3, T.3S, R.5W, U.S.B.&M. NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK SYSTEM. SAID ELEVATION IS 5958.18 FEET.

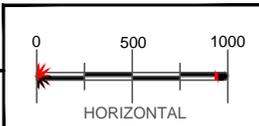


REGISTERED LAND SURVEYOR
 REGISTRATION NO. 5047065
 STATE OF UTAH



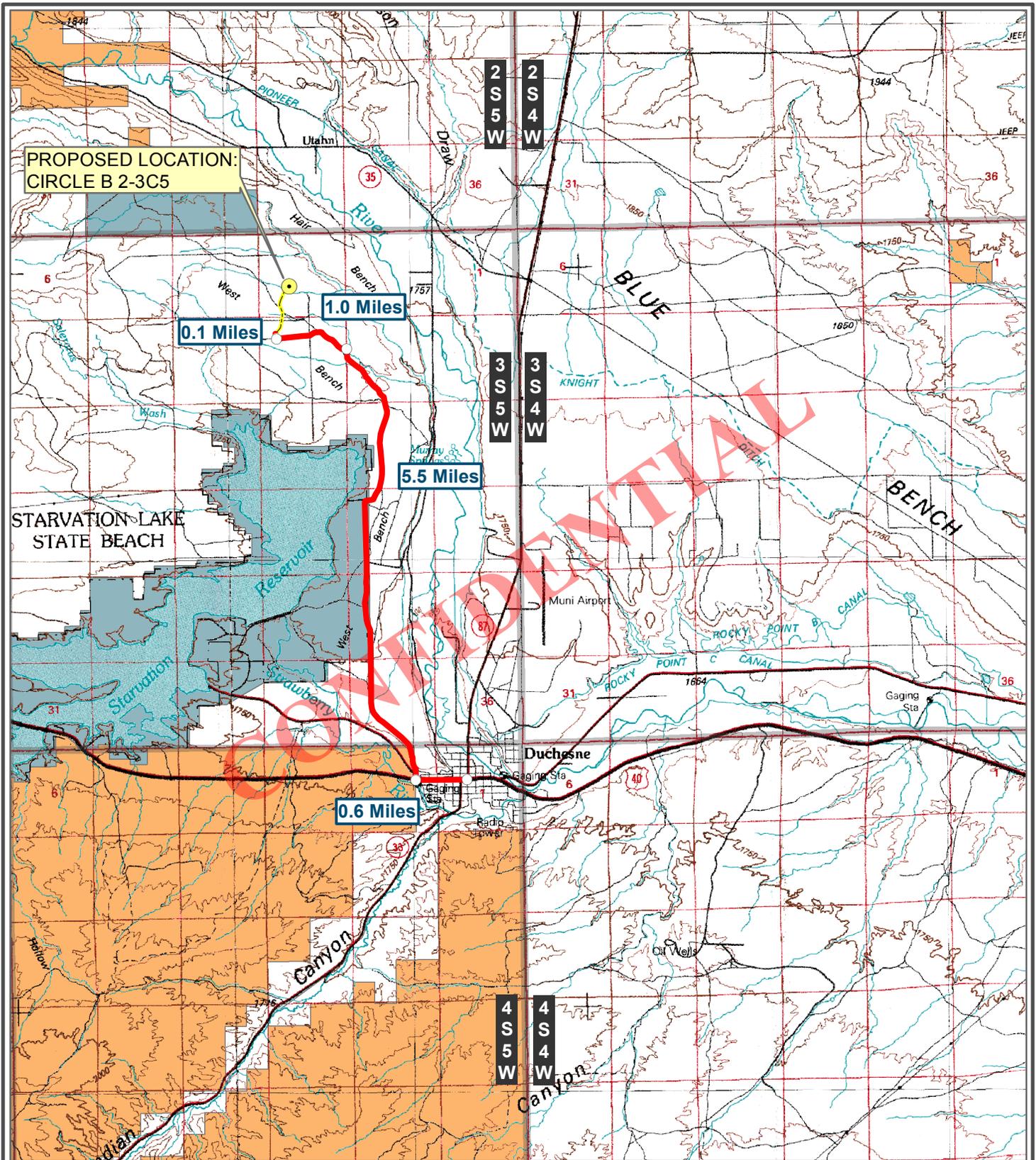
WELL LOCATION PLAT
WELL: CIRCLE B 2-3C5
 PAD LOCATION: NE1/4 SW1/4 SECTION 3,
 T. 3 S., R. 5 W., U.S.B.&M.
 DUCHESNE COUNTY, UTAH

NAD 83 (SURFACE LOCATION)
LATITUDE = 40°14'49.79256"N (40.247165)
LONGITUDE = 110°26'21.51655"W (-110.439310)
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°14'49.95225"N (40.247209)
LONGITUDE = 110°26'18.95384"W (-110.438598)



DATE SURVEYED: JANUARY 22, 2015
SURVEYED BY: SY/JW
DRAWN: FEBRUARY 9, 2015
DRAWN: JLW
SCALE: 1" = 1000'

SHEET NO.
1



PROPOSED LOCATION:
CIRCLE B 2-3C5

0.1 Miles

1.0 Miles

5.5 Miles

0.6 Miles

STARVATION LAKE
STATE BEACH

Duchesne

OUTLAW
ENGINEERING INC.
P. O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321



PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY OUTLAW ENGINEERING, INC. AND MAY NOT REFLECT ACTUAL LOCATION OF PROPERTY LINES

LEGEND

- Circle B 2-3C5 Site Location
- Proposed Access Road
- Existing Access Road

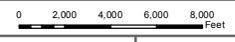
- Federal
- Private
- State
- Tribal

CIRCLE B 2-3C5

WELL LOCATION: NE/SW SECTION 3, T.3S, R.5W, U.S.B.&M.
DUCHEсне COUNTY, UTAH



Site Location

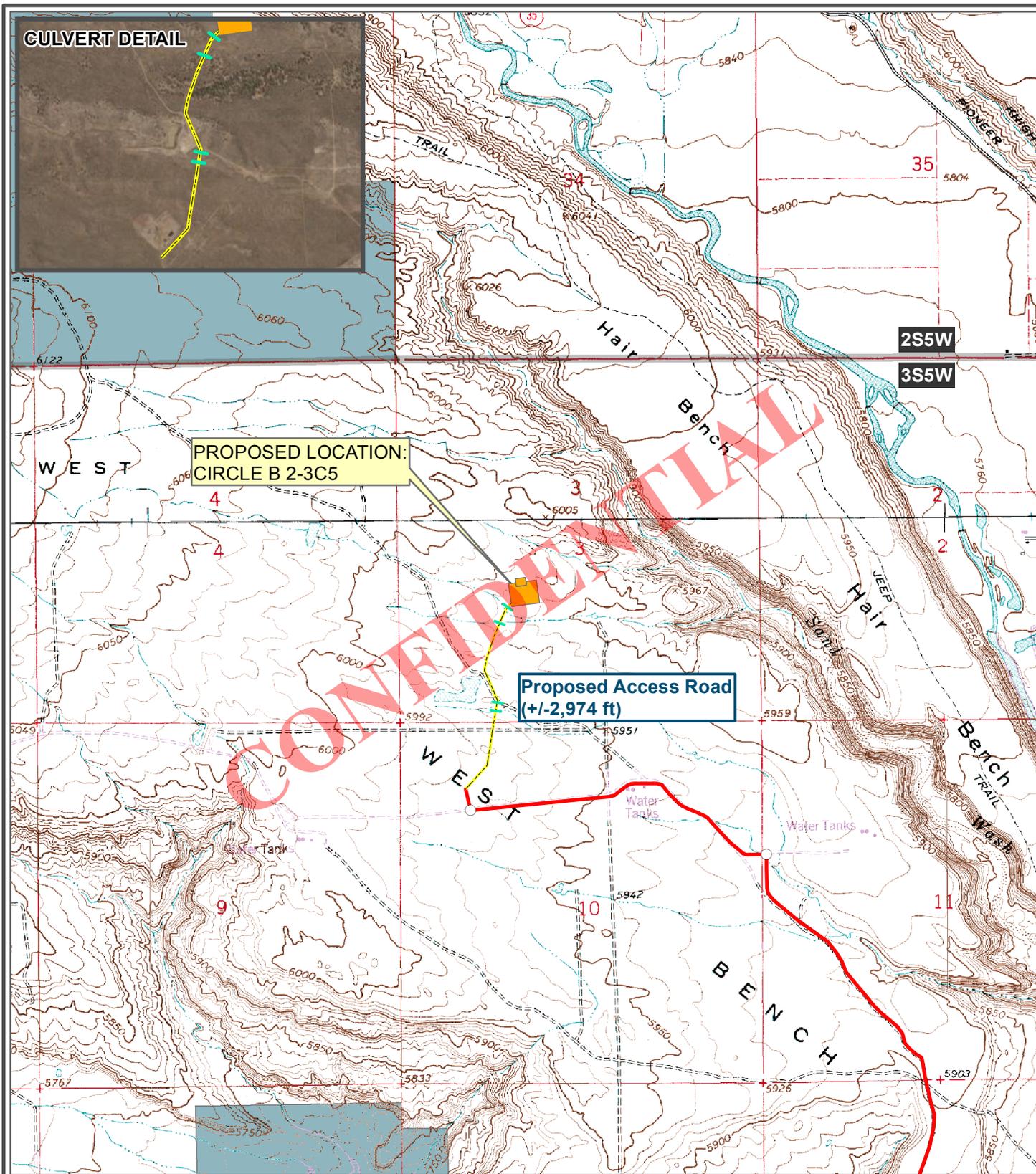


VERSION: V1
SURVEYED: 1-23-15

USGS 7.5' Duchesne Quadrangle

JAN 23, 2015
SCALE: 1" = 8,342'
AUTHOR: BWH

SHEET
A



OUTLAW ENGINEERING INC.

P. O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321



PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY OUTLAW ENGINEERING, INC. AND MAY NOT REFLECT ACTUAL LOCATION OF PROPERTY LINES

LEGEND

- Proposed Access Road
- Culvert Required
- Existing Access Road
- Proposed Pad

- Federal
- Private
- State
- Tribal

CIRCLE B 2-3C5

WELL LOCATION: NE/SW SECTION 3, T.3S, R.5W, U.S.B.&M.
DUCHESE COUNTY, UTAH



Proposed Access Road

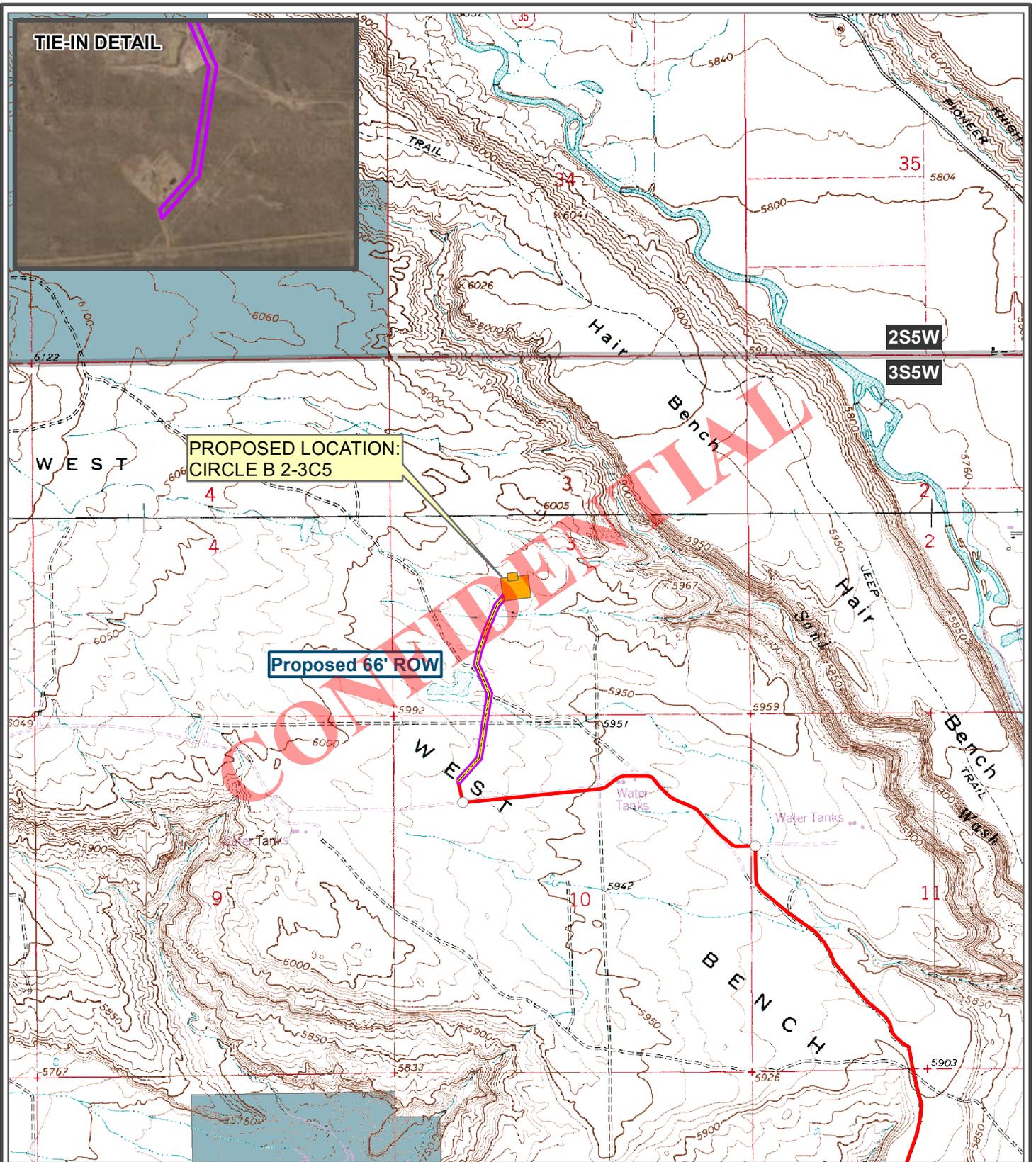


VERSION: **V1**
SURVEYED: **1-23-15**

USGS 7.5' Duchesne Quadrangle
2014 Google Imagery

JAN 23, 2015
SCALE: 1" = 2,000'
AUTHOR: BWH

SHEET **B**



OUTLAW ENGINEERING INC.

P.O. BOX 1800
ROOSEVELT, UTAH 84066
(435) 232-4321



PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY OUTLAW ENGINEERING, INC. AND MAY NOT REFLECT ACTUAL LOCATION OF PROPERTY LINES

LEGEND

- Proposed ROW
- Proposed Access Road
- Existing Access Road
- Proposed Pad

- Federal
- Private
- State
- Tribal

CIRCLE B 2-3C5

WELL LOCATION: NE/SW SECTION 3, T.3S, R.5W, U.S.B.&M.
DUCHESTER COUNTY, UTAH



Proposed ROW

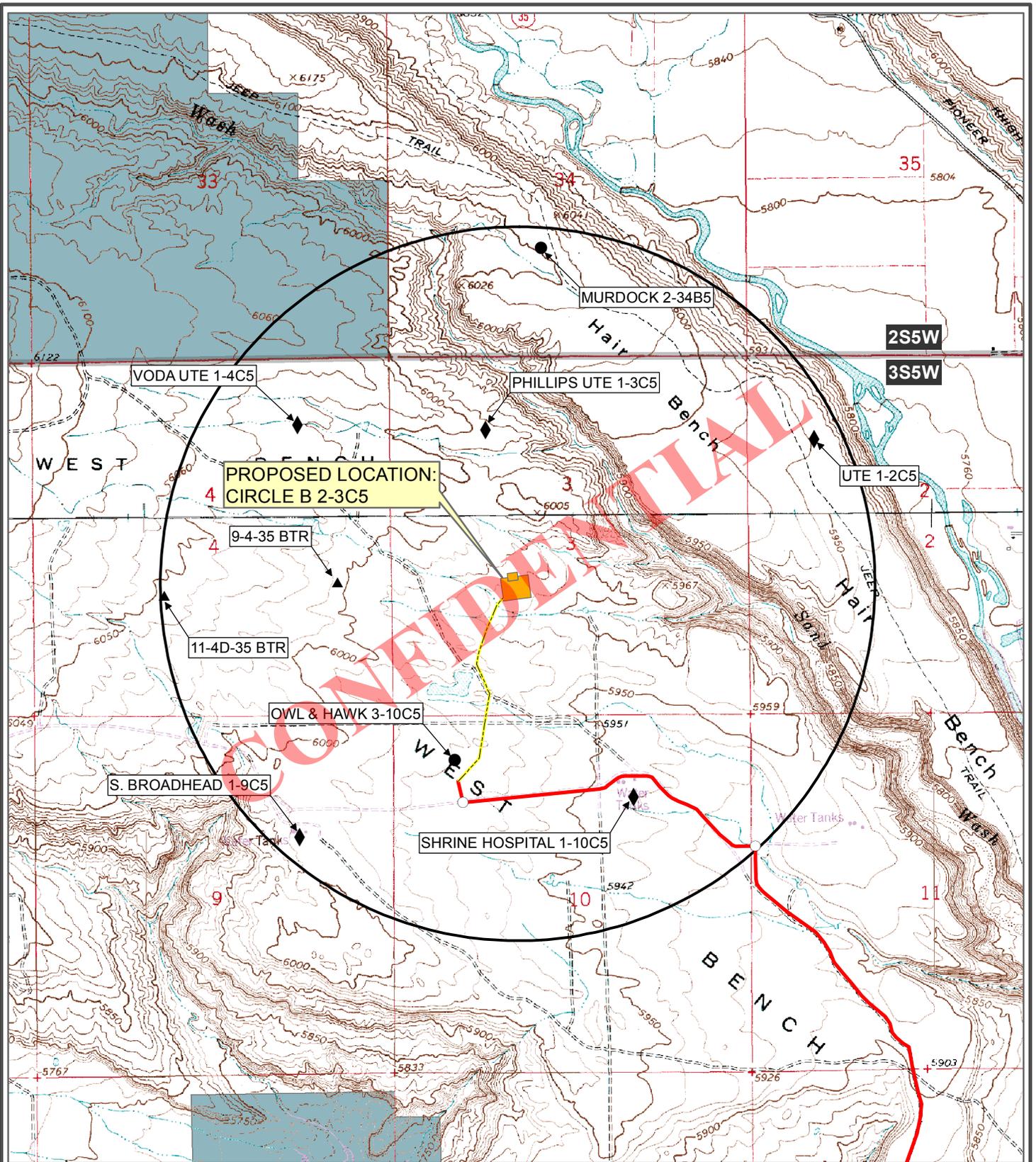
0 500 1,000 1,500 2,000 Feet

VERSION: **V1**
SURVEYED: **1-23-15**

USGS 7.5' Duchesne Quadrangle
2014 Google Imagery

JAN 23, 2015
SCALE: 1" = 2,000'
AUTHOR: BWH

SHEET **C**



OUTLAW ENGINEERING INC.
 P. O. BOX 1800
 ROOSEVELT, UTAH 84066
 (435) 232-4321



PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY OUTLAW ENGINEERING, INC. AND MAY NOT REFLECT ACTUAL LOCATION OF PROPERTY LINES

LEGEND

- ▲ Approved Permit
- Producing
- ◆ Plugged & Abandoned
- One Mile Radius

Federal
 Private
 State
 Tribal

CIRCLE B 2-3C5

WELL LOCATION: NE/SW SECTION 3, T.3S, R.5W, U.S.B.&M.
 DUCHESNE COUNTY, UTAH



Surrounding Wells

0 500 1,000 1,500 2,000 Feet

VERSION: **V1**
 SURVEYED: **1-23-15**

USGS 7.5' Duchesne Quadrangle

JAN 23, 2015
 SCALE: 1" = 2,000'
 AUTHOR: BWH

SHEET **D**

SURFACE USE AGREEMENT

This Surface Use Agreement ("Agreement"), dated effective this 6th day of April, 2015 ("Effective Date"), is made by and between **Circle B Land Company LLC** ("Grantor"), represented herein by Bill Barrett Corporation as Manager of Circle B Land Company LLC, whose address is 1099 18th Street, Suite 2300, Denver Colorado 80202, and **EP Energy E&P Company, L.P.** ("Grantee"), a Delaware limited partnership, whose address is 1001 Louisiana Street, Suite 2400, Houston, Texas 77002. Grantor and Grantee are referred to herein individually as a "Party" and collectively as "Parties."

For and in consideration of Ten and No/100 Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. Grant. Grantor hereby grants unto Grantee, its successors and assigns, the exclusive right to enter upon the following described lands owned by Grantor in Duchesne County, Utah:

Township 3 South, Range 5 West of the Uintah Special Meridian
Section 3: the Northeast Quarter of the Southwest Quarter (NE $\frac{1}{4}$ SW $\frac{1}{4}$)

(the "Premises"), more particularly described in Exhibit "A" attached hereto and made a part hereof, and to use the surface of the Premises for oil and/or gas operations, including, but not limited to, surveying, constructing, installing, operating, maintaining, replacing, renewing, and using access roads, well sites, tank batteries, pipelines, separators, electric power lines, and other facilities (any and all of the foregoing being hereinafter collectively referred to as "Facilities") necessary, useful or incidental to drilling, equipping, completing for production, recompleting, reworking, producing, or plugging and abandoning one or more oil and/or gas wells. All pipelines installed hereunder shall be buried where practical. Grantor shall not place anything over or so close to any of the Facilities as will be likely to interfere with Grantee's access thereto by use of equipment or means customarily employed in the maintenance of the Facilities. Grantee shall have the right to select, change or alter the location of any of the Facilities upon the Premises.

2. Area of Use. Grantee's rights under this Agreement shall only apply to those portions of the Premises described on Exhibit "A," comprising Four and 93/100 (4.93) acres, more or less. Upon the conclusion of such construction, drilling, and completion operations, Grantee shall restore those portions of the Premises no longer being utilized by Grantee to as near its former condition as is reasonably practical. Notwithstanding anything in this Agreement to the contrary, in the event Grantee desires to rework, recomplete, or conduct any other operations related to the Facilities on the Premises, Grantee shall have the option at any time, and from time to time, to notify Grantor of its intent to re-enter any portions of the Premises, whereupon Grantee's rights under this Agreement shall apply. Upon the conclusion of such reworking, recompleting, or other operations, Grantee shall restore those portions of the Premises no longer being utilized by Grantee to as near its former condition as is reasonably practical. In furtherance of the option granted in this paragraph, Grantor shall not construct any buildings or other improvements upon or otherwise obstruct the Premises in a manner that would impede Grantee's ability to use the same as described herein.

3. Rights Under Oil and Gas Leases. This Agreement shall neither modify nor diminish Grantee's rights under any oil and gas lease owned by Grantee covering all or any portion of the Premises.

4. Term. This Agreement shall remain in full force and effect from the Effective Date, and for so long thereafter as any oil and gas lease owned by Grantee covering all or any portion of the Premises or lands pooled or unitized therewith remains valid, and for so long thereafter as Grantee conducts oil and/or gas operations upon the Premises or lands pooled or unitized therewith. If all oil and/or gas wells on the Premises or lands pooled or unitized therewith are plugged and abandoned and the related rights-of-way and easements are not used by Grantee for a period of more than twelve (12) months, then said rights-of-way and easements shall terminate and all rights herein granted will automatically revert to Grantor, its successors and assigns, and Grantee shall have a period of six (6) months from and after the date of such

termination in which to remove, at its sole cost, risk, and expense, all of its personal property and equipment located on the Premises, and Grantee shall thereafter restore the Premises as near to its former condition as is reasonably practical in accordance with the requirements of the State of Utah. Grantee shall have twenty-four (24) months from the Effective Date of this Agreement to drill and complete a well upon the Premises. Should grantor fail to abide by the aforementioned twenty-four (24) month period, then this Agreement shall terminate and all rights herein granted will automatically revert to Grantor, its successors and assigns.

5. Release. Grantor and Grantee do hereby release, discharge and acquit the other from any and all liability, and shall indemnify the other against any and all claims and demands for damages, attorney's fees, injury or loss, existing now or done hereafter, to the surface of said Premises or to any third parties arising out of or being the result of their or, their agents, contractors, licensees, permittees, successors and assigns own activities on or use of the Premises, including, but not limited to, damage to the surface, crops, ditches, roads, timber, livestock, fences and all other damage, except where such claim, demand, injury or damage results from gross negligence or willful misconduct of the indemnified party. However, such parties' potential liability under this paragraph to the other shall be limited to the acts and/or omission of it, or its predecessors, agents, contractors, licensees, permittees, successors, and assigns (excluding gross negligence or willful misconduct of the indemnified party), and shall not include any acts and/or omissions of the other party, its agents, contractors, licensees, permittees, successors or assigns.

6. Pits. Notwithstanding anything to the contrary in this Agreement, the location, construction, closure and reclamation of any pits on the Premises shall be performed by Grantee in compliance with the regulations set forth by the Utah Division of Oil, Gas and Mining.

7. Compliance with Laws. Grantee agrees to comply with all applicable laws, rules and regulations of any federal, state, tribal and local agencies having jurisdiction over the Premises now or prospectively in effect.

8. Prohibition Against Firearms & Hunting. Grantee shall not permit or allow its agents, contractors, or employees to carry any firearms, bows or other weapons while on the Premises, or to hunt or fish on the Premises.

9. Covenants Running with the Premises. The terms and provisions of this Agreement are covenants running with the Premises and shall be binding upon and inure to the benefit of the Parties, and their respective heirs, executors, administrators, legal representatives, successors and assigns.

10. Assignment. The rights of Grantee under this Agreement may be assigned, in whole or in part, without the prior written consent of Grantor. Any such assignment shall release and relieve Grantee of all liabilities, responsibilities and obligations under this Agreement.

11. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Utah.

12. Breach or Default. No litigation shall be initiated by Grantor with respect to a breach or default by Grantee hereunder, for a period of at least ninety (90) days after Grantor has given Grantee written notice as provided herein, fully describing the breach or default, and then only if Grantee fails to remedy or commence to remedy all or any part of the breach or default within such period. Neither the service of said notice nor the doing of any acts by Grantee aimed to meet all or any part of the alleged breach or default shall be deemed an admission or presumption that Grantee has failed to perform all of its obligations hereunder. In the event the matter is litigated and there is a final judicial determination that a breach or default has occurred, this Agreement shall not be forfeited or cancelled in whole or in part, unless Grantee is given a reasonable time after said judicial determination to remedy the breach or default and Grantee fails to do so.

13. Notice. Any notice or communication permitted or required hereunder shall be given in writing and delivered by courier or certified mail/return receipt requested. Notices shall be deemed received three (3) days after mailing of the same, or on the same day if delivered by courier, when addressed as follows:

CONFIDENTIAL

If to Grantee:

EP Energy E&P Company, L.P.
Attn: Altamont Asset - Land Department
1001 Louisiana Street, Suite 2400
Houston, Texas 77002
Phone: (435) 454-4245

If to Grantor:

David Watts
Uinta Basin Land Manager
Bill Barrett Corporation
1099 18th St., Suite 2300
Denver, CO 80202
303-312-8544
dwatts@billbarretcorp.com

Jacob Woodland
Field Landman
Bill Barrett Corporation
Rt.3 Box 3110, 1820 W. Hwy 40,
Roosevelt, UT 84066
435-725-3515 X7035
jwoodland@billbarretcorp.com

Kary Eldredge
Uinta Basin Area Superintendent
Bill Barrett Corporation
Rt.3 Box 3110, 1820 W. Hwy 40
Roosevelt, UT 84066
435-725-3515 X7028
keldredge@billbarretcorp.com

Either Party may change the address to which notice shall be directed by written notice to the other Party in the manner described herein.

- 14. Interpretation. Should this Agreement require judicial interpretation, it is agreed that the court interpreting the same shall not apply a presumption that its terms will be more strictly construed against one Party by reason of the rule of construction that a document is to be construed more strictly against the Party who prepared the same, it being agreed that the Parties have had an opportunity to participate jointly and fully in the preparation of this Agreement.
- 15. Severability. In the event that any provision of this Agreement is deemed invalid or void by any court of competent jurisdiction or cannot be performed, the same shall be deemed severable from the remainder of this Agreement and shall in no way affect any other provision of this Agreement. If any provision of this Agreement shall be deemed invalid due to scope or breadth, then such provision shall be valid to the extent and scope permitted by applicable law.
- 16. Confidentiality. Grantor agrees that all terms, conditions, and information contained within this Agreement are and shall remain confidential, except to the extent such disclosure is: (i) authorized by all Parties in writings, or (ii) required by applicable law.
- 17. Recording of Memorandum. This Agreement shall not be placed of record. However, the Parties shall execute and deliver a *Memorandum of Surface Use Agreement*, substantially in the same form as **Exhibit "B"** attached hereto and made a part hereof, which may be recorded by either Party.
- 18. Entire Agreement. This Agreement constitutes the full and final agreement of the Parties with respect to the subject matter hereof and supersedes all prior agreements, representations or understandings, whether written or oral, and this Agreement may be modified or amended only in writing and signed by the Parties.
- 19. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed an original, but all of which shall constitute one and the same instrument.

[SIGNATURE PAGES FOLLOW]

This instrument is executed as of the dates of acknowledgement below, but effective for all purposes as of the Effective Date.

GRANTEE:

EP ENERGY E&P COMPANY, L.P.

CONFIDENTIAL



By: _____
Name: Thomas L. Muchard
Title: Agent and Attorney-in-Fact

ACKNOWLEDGEMENT

STATE OF TEXAS §
 §
COUNTY OF HARRIS §

The foregoing instrument was acknowledged before me on this 8th day of April, 2015, by **Thomas L. Muchard** as Agent and Attorney-in-Fact for EP Energy E&P Company, L.P., a Delaware limited partnership, on behalf of said limited partnership.

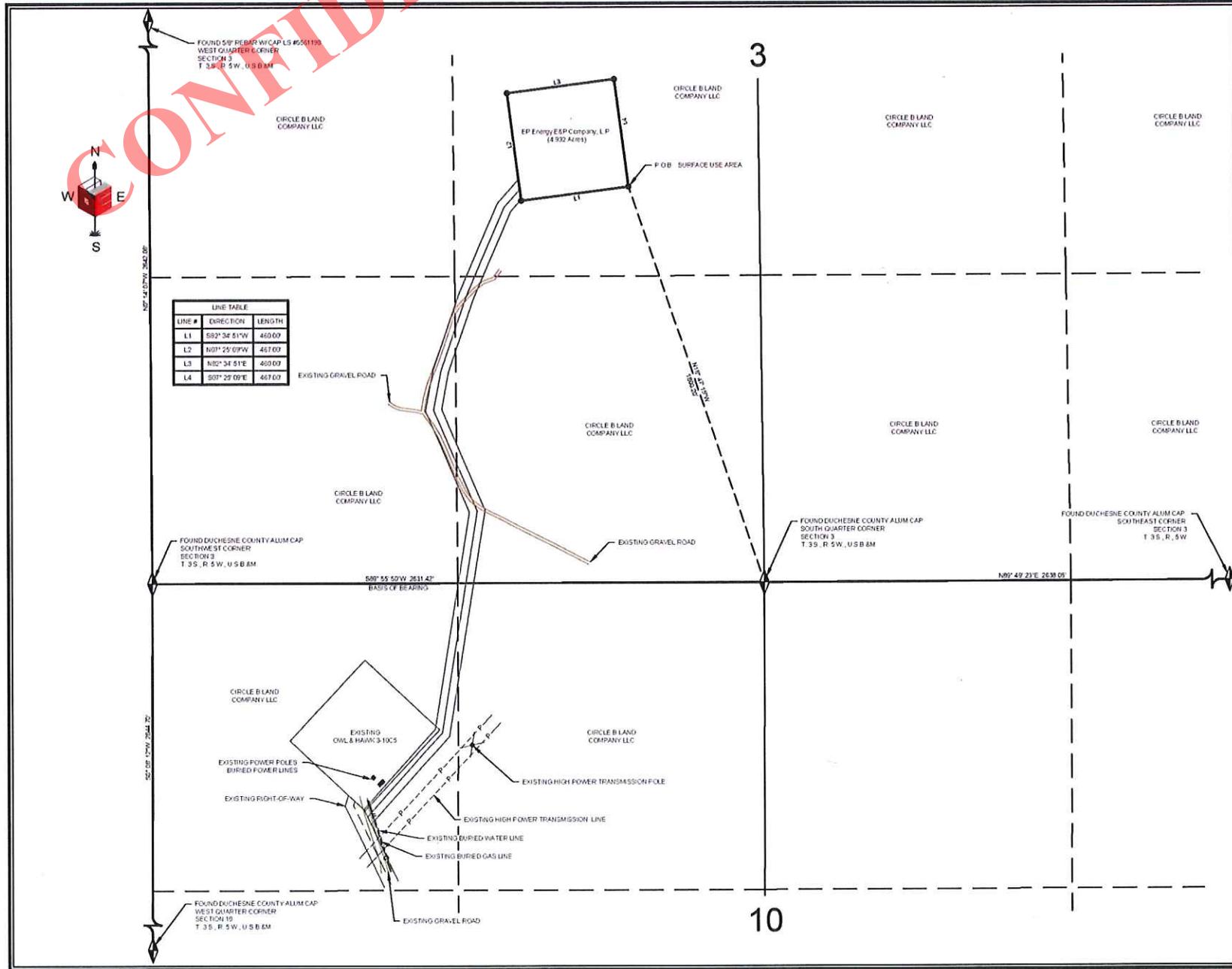


Ginger M. Cearley
NOTARY PUBLIC

My Commission Expires: 8/2/2018

CONFIDENTIAL

EXHIBIT "A"

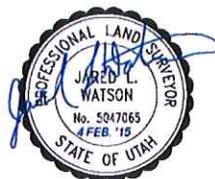


LINE #	DIRECTION	LENGTH
L1	S52° 34' 51" W	460.00
L2	N07° 25' 09" W	467.00
L3	N02° 34' 51" E	460.00
L4	S07° 25' 09" E	467.00

EP ENERGY E&P COMPANY, L.P.
LOCATION SURFACE USE AREA SURVEY ON FEE LANDS FOR

CIRCLE B LAND COMPANY LLC
LOCATED IN SECTION 3, TOWNSHIP 3 S., RANGE 5 W., U.S.B.M., DUCHESNE COUNTY, UTAH

SURVEYOR'S CERTIFICATE
I, JARED WATSON DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND THAT I HOLD CERTIFICATE NO. 5047065 AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH AND THAT A SURVEY OF THE DESCRIBED PROPERTY HEREIN WAS PERFORMED UNDER MY DIRECTION.



SURFACE USE AREA DESCRIPTION
BEGINNING AT A POINT WHICH IS LOCATED NORTH 10°41'15" WEST 1600.20 FEET FROM THE SOUTH QUARTER CORNER OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 5 WEST, UTAH SPECIAL BASE AND MERIDIAN; THENCE SOUTH 82°34'51" WEST 460.00 FEET; THENCE NORTH 07°25'09" WEST 467.00 FEET; THENCE NORTH 02°34'51" EAST 460.00 FEET; THENCE SOUTH 07°25'09" EAST 467.00 FEET TO THE POINT OF BEGINNING. THE BASIS OF BEARING USED FOR THIS DESCRIPTION IS SOUTH 89°55'59" WEST BETWEEN THE SOUTH QUARTER CORNER AND THE SOUTHWEST CORNER OF SAID SECTION 3.

SURFACE USE AREA
CIRCLE B LAND COMPANY LLC = 4.932 ACRES, MORE OR LESS

- LEGEND**
- = FOUND SECTION CORNER
 - = CALCULATED SECTION CORNER
 - = SECTION LINE
 - = QUARTER SECTION LINE
 - = SIXTEENTH SECTION LINE
 - = CENTERLINE OF EXISTING RIGHT-OF-WAY

SCALE 1" = 400' 11X17 SHEET

SHEET SURFACE USE AREA



PLAT NO. 310B DATE FEBRUARY 4, 2015 SHEET NO. 1 OF 1

MEMORANDUM OF SURFACE USE AGREEMENT

This Memorandum of Surface Use Agreement ("Memorandum"), dated effective this 6th day of April, 2015 ("Effective Date"), is made by and between **Circle B Land Company LLC** ("Grantor"), represented herein by Bill Barrett Corporation as Manager of Circle B Land Company LLC, whose address is 1099 18th Street, Suite 2300, Denver Colorado 80202, and **EP Energy E&P Company, L.P.** ("Grantee"), a Delaware limited partnership, whose address is 1001 Louisiana Street, Suite 2400, Houston, Texas 77002.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the above named Grantor and Grantee have executed that certain Surface Use Agreement (the "Agreement"), dated effective as of the Effective Date, which governs Grantee's oil and gas operations on the surface of the following described lands owned by Grantor in Duchesne County, Utah:

Township 3 South, Range 5 West of the Uintah Special Meridian
Section 3: the Northeast Quarter of the Southwest Quarter (NE $\frac{1}{4}$ SW $\frac{1}{4}$)

(the "Premises"), more particularly described in **Exhibit "A"** attached hereto and made a part hereof.

The Agreement shall remain in full force and effect from the Effective Date, and for so long thereafter as any oil and gas lease owned by Grantee covering all or any portion of the Premises remains valid, and for so long thereafter as Grantee conducts oil and/or gas operations upon the Premises, subject to the termination provisions of the Agreement.

The Agreement neither modifies nor diminishes Grantee's rights under any oil and gas lease owned by Grantee covering all or any portion of the Premises.

The Agreement is binding upon Grantor and Grantee and their respective successors and assigns. Executed copies of the Agreement are maintained in the possession of Grantor and Grantee.

This Memorandum is placed of record for the purpose of giving notice of the Agreement and is given in lieu of recording the Agreement in the records of Duchesne County, Utah. This Memorandum may be executed in any number of counterparts, each of which shall be deemed an original, but all of which shall constitute one and the same instrument.

[SIGNATURE PAGES FOLLOW]

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 .56 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 .56 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:

Teale Stone, Landman
Bill Barrett Corporation
1099 18th St., Ste 2300
Denver, CO 80202
303-312-8717
tstone@billbarrettcorp.com

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:

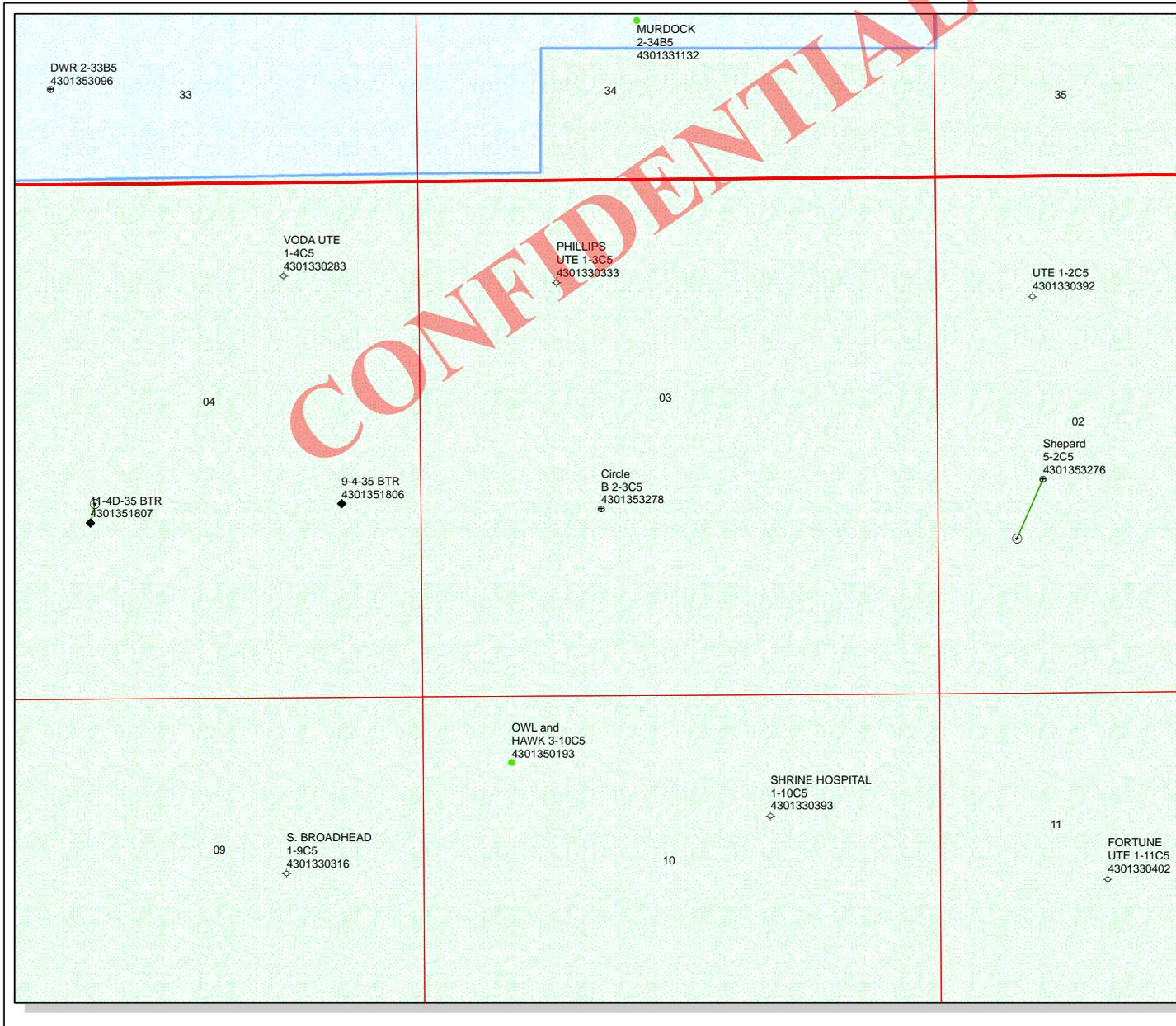
EP Energy E&P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

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: 4301353278

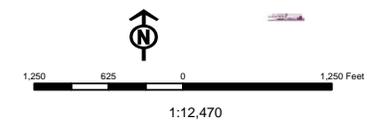
Well Name: Circle B 2-3C5

Township: T03.0S Range: R05.0W Section: 03 Meridian: U

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

Map Prepared: 3/19/2015
Map Produced by Diana Mason

Wells Query		Units STATUS	
◆	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		
○	TW - Test Well		
○	WDW - Water Disposal		
○	WW - Water Injection Well		
●	WSW - Water Supply Well		
		Fields STATUS	
		▨	Unknown
		▨	ABANDONED
		▨	ACTIVE
		▨	COMBINED
		▨	INACTIVE
		▨	STORAGE
		▨	TERMINATED



Well Name	EP ENERGY E&P COMPANY, L.P. Circle B 2-3C5 43013532780000			
String	Cond	Surf	I1	L1
Casing Size(")	13.375	9.625	7.000	5.000
Setting Depth (TVD)	750	2000	9300	12600
Previous Shoe Setting Depth (TVD)	0	750	2000	9300
Max Mud Weight (ppg)	8.3	8.3	10.5	13.0
BOPE Proposed (psi)	500	500	10000	10000
Casing Internal Yield (psi)	2730	5750	11220	13940
Operators Max Anticipated Pressure (psi)	8518			13.0

Calculations	Cond String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	324	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	234	YES <input type="checkbox"/> diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	159	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)=	159	NO <input type="checkbox"/> OK
Required Casing/BOPE Test Pressure=		500	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=	868	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	623	NO <input type="checkbox"/> diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	423	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)=	588	YES <input type="checkbox"/> OK
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		750	psi *Assumes 1psi/ft frac gradient

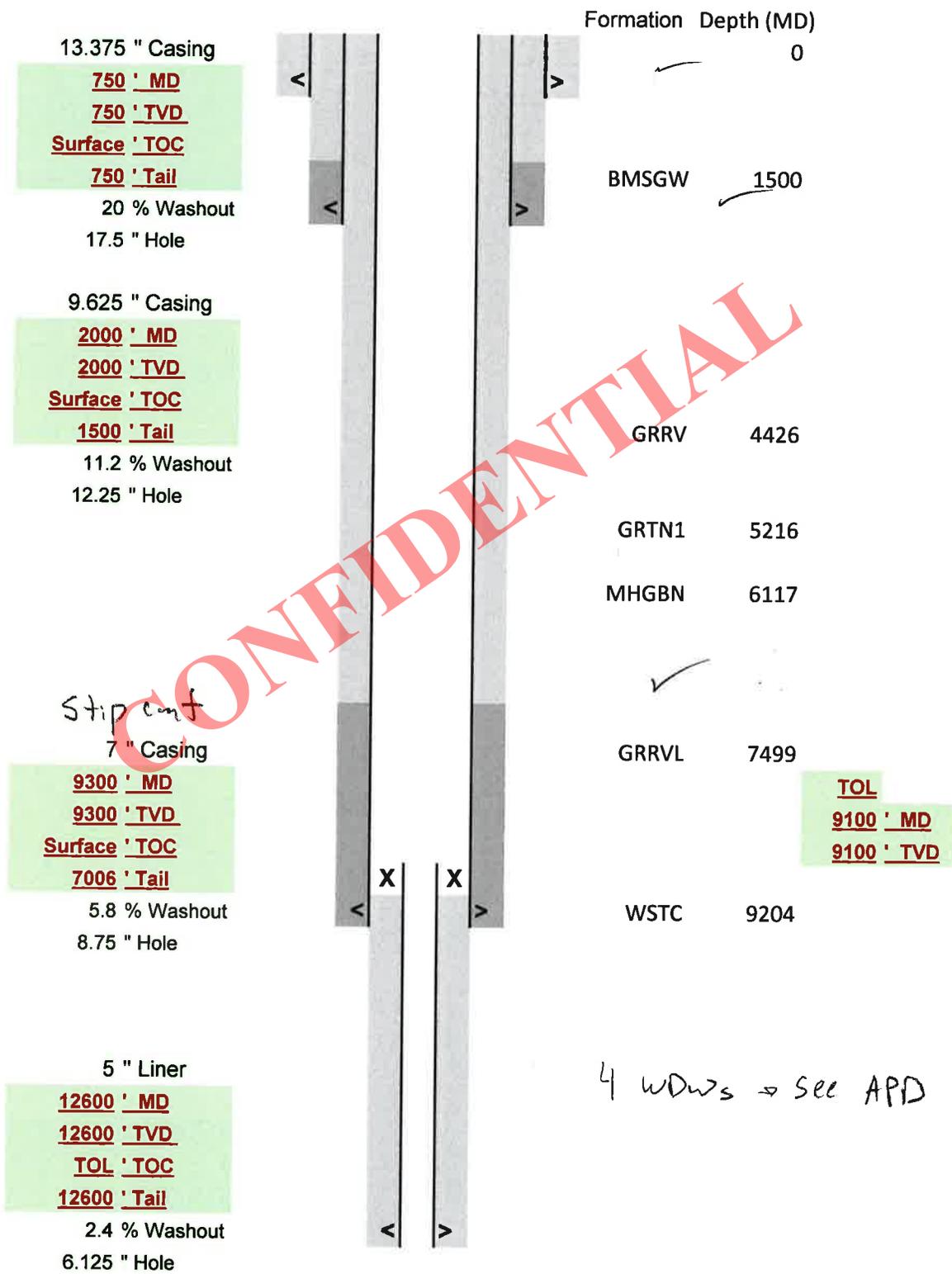
Calculations	I1 String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	5078	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3962	YES <input type="checkbox"/> 10M stack, 5M annular
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3032	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3472	NO <input type="checkbox"/> OK
Required Casing/BOPE Test Pressure=		7854	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2000	psi *Assumes 1psi/ft frac gradient

Calculations	L1 String	5.000	"
Max BHP (psi)	.052*Setting Depth*MW=	8518	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	7006	YES <input type="checkbox"/> 10M stack, 5M annular
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	5746	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)=	7792	YES <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		9758	psi
*Max Pressure Allowed @ Previous Casing Shoe=		9300	psi *Assumes 1psi/ft frac gradient

EP ENERGY E&P COMPANY, L.P.

Circle B 2-3C5
43013532780000

Stip rot. head



EP ENERGY E&P COMPANY, L.P.
Circle B 2-3C5
43013532780000

1.125											1.8												
MAASP	Collapse Strength (psi)	Collapse Load (psi)	Collapse DF	Burst Strength (psi)	Burst Load (psi)	Burst DF	Tension Strength (kips)	Tension DF	Neutral Point (ft)	Tension Air (kips)	Tension Buoyed (kips)	MAASP	Collapse Strength (psi)	Collapse Load (psi)	Collapse DF	Burst Strength (psi)	Burst Load (psi)	Burst DF	Tension Strength (kips)	Tension DF	Neutral Point (ft)	Tension Air (kips)	Tension Buoyed (kips)
233	1130	323	3.49	2730	587	4.65	514	12.57	655	40.9	35.9	422	3090	862	3.58	5750	2000	2.88	737	9.21	1746	80.0	70.1
MW (ppg)	Internal Grad. (psi)	Backup Mud (ppg)	Internal Mud (ppg)	Max Shoe Pressure (psi)*	CSG Wt (lbs/ft)	CSG Grade	CSG Collar	Cement Lead (sx)	Lead Yield	Cement Tail (sx)	Tail Yield	MW (ppg)	Internal Grad. (psi)	Backup Mud (ppg)	Internal Mud (ppg)	Max Shoe Pressure (psi)*	CSG Wt (lbs/ft)	CSG Grade	CSG Collar	Cement Lead (sx)	Lead Yield	Cement Tail (sx)	Tail Yield
8.3	0.12	0.0	0.0	587	55	J-55	STC	939	1.15	0	0.00	8.3	0.22	0.0	0.0	3467	40.0	N-80	LTC	314	2.36	195	1.30
5737	9200	5073	1.81	11220	7783	1.44	797	3.51	7807	269.7	226.8	5737	9200	5073	1.81	11220	7783	1.44	797	3.51	7807	269.7	226.8
MW (ppg)	Internal Grad. (psi)	Backup Mud (ppg)	Internal Mud (ppg)	Max Shoe Pressure (psi)*	CSG Wt (lbs/ft)	CSG Grade	CSG Collar	Cement Lead (sx)	Lead Yield	Cement Tail (sx)	Tail Yield	MW (ppg)	Internal Grad. (psi)	Backup Mud (ppg)	Internal Mud (ppg)	Max Shoe Pressure (psi)*	CSG Wt (lbs/ft)	CSG Grade	CSG Collar	Cement Lead (sx)	Lead Yield	Cement Tail (sx)	Tail Yield
10.5	0.22	0.0	0.0	7783	29.0	HCP-110	LTC	697.0	1.91	280.0	1.64	5737	13418	8509	1.58	13940	8509	1.64	495	9.80	11904	63.0	50.5
MW (ppg)	Internal Grad. (psi)	Backup Mud (ppg)	Internal Mud (ppg)	Max Shoe Pressure (psi)*	CSG Wt (lbs/ft)	CSG Grade	CSG Collar	Cement Lead (sx)	Lead Yield	Cement Tail (sx)	Tail Yield	MW (ppg)	Internal Grad. (psi)	Backup Mud (ppg)	Internal Mud (ppg)	Max Shoe Pressure (psi)*	CSG Wt (lbs/ft)	CSG Grade	CSG Collar	Cement Lead (sx)	Lead Yield	Cement Tail (sx)	Tail Yield
13.0	0.22	0.0	0.0	9100	18.0	HCP-110	LTC	208.0	1.52	0.0	0.00	13.0	0.22	0.0	0.0	9100	18.0	HCP-110	LTC	208.0	1.52	0.0	0.00

13.375 " Casing

9.625 " Casing

7 " Casing

5 " Casing

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator EP ENERGY E&P COMPANY, L.P.
Well Name Circle B 2-3C5
API Number 43013532780000 **APD No** 11113 **Field/Unit** ALTAMONT
Location: **Sec** 3 **Tw** 3.0S **Rng** 5.0W 1927 FSL 1834 FWL
 1/4, 1/4
GPS Coord **Surface Owner** Bill Barrett Corp., Attn: Teale Stone,
 (UTM) Landman

Participants

M. Jones (UDOGM), R. Fairbanks, K. Carter, R. Fredrick (EP), J. Woodland (Circle B).

Regional/Local Setting & Topography

This location is staked north of the Duchesne, Utah approximately 6 miles, approximately 2 miles north of Starvation Reservoir and sits just west of the Duchesne River about a 1 mile on a bench called West Bench. Private surface being owned by Bill Barret Corp. The area is mostly PJ/sage communities on relatively flat sandy clay benches with ephemeral dry wash drainages running throughout the area from the northwest to the southeast towards the Duchesne River.

Surface Use Plan

Current Surface Use

Grazing
Wildlfe Habitat

New Road Miles

0.56

Well Pad

Width 407 **Length** 410

Src Const Material

Onsite

Surface Formation

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands

Flora / Fauna

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diverson Required?

Berm Required?

Erosion Sedimentation Control Required?

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

Reserve Pit

Site-Specific Factors

Site Ranking

- Distance to Groundwater (feet)**
- Distance to Surface Water (feet)**
- Dist. Nearest Municipal Well (ft)**
- Distance to Other Wells (feet)**
- Native Soil Type**
- Fluid Type**
- Drill Cuttings**
- Annual Precipitation (inches)**
- Affected Populations**
- Presence Nearby Utility Conduits**

Final Score

Sensitivity Level

Characteristics / Requirements

Closed Loop Mud Required? Liner Required? Liner Thickness Pit Underlayment Required?

Other Observations / Comments

Jake Woodland was present during presite representing BBDC surface owner interests.

Mark Jones
Evaluator

3/30/2015
Date / Time

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
11113	43013532780000	LOCKED	OW	P	No
Operator	EP ENERGY E&P COMPANY, L.P.		Surface Owner-APD	Bill Barrett Corp., Attn: Teale Stone, Landman	
Well Name	Circle B 2-3C5		Unit		
Field	ALTAMONT		Type of Work	DRILL	
Location	NESW 3 3S 5W U 1927 FSL 1834 FWL (UTM) 547684E 4455334N		GPS Coord		

Geologic Statement of Basis

E P proposes to set 750 feet of conductor and 2,000 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 1,500 feet. A search of Division of Water Rights records indicates that there are 50 water wells within a 10,000 foot radius of the center of Section 3. Wells range between 47 and 600 feet in depth and are used for irrigation, stock watering, domestic and oilfield purposes. These wells probably produce from the Duchesne River Formation and Duchesne River Valley sediments. The Duchesne River Formation is made up of sandstones with interbedded shales and is the most prominent fresh water aquifer in the area. The proposed casing and cement program should adequately protect ground water in this area.

Brad Hill
APD Evaluator

4/8/2015
Date / Time

Surface Statement of Basis

This location is staked north of the Duchesne, Utah approximately 6 miles, approximately 2 miles north of Starvation Reservoir and sits just west of the Duchesne River about a 1 mile on a bench called West Bench. Private surface being owned by Bill Barret Corp. The area is mostly PJ/sage communities on relatively flat sandy clay benches with ephemeral dry wash drainages running throughout the area from the northwest to the southeast towards the Duchesne River.

This site will be prone to some sheet flooding on the south and west sides of the location during heavy thunderstorm events. It was looked at by UDOGM during the presite to move this well pad to the north to minimize the direct involvement of the pad and the potential to this sheet flooding, however DOGM decided that the minimal room to move the pad north wouldn't offset the impact to the very small sheet flood zone potential enough to justify the move. Spacing and similar environment (sheet flood area) were the limiting factors as to how far north the location could be moved. Best Management Practices (BMP's) shall be utilized during dirt excavation phase of this well pad to minimize the effects and impacts, both to the location and access road as well as the surrounding environment, during these sheet flooding events. Extra attention to drainage diversion at this site will be required.

Mark Jones
Onsite Evaluator

3/30/2015
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

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WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/13/2015

API NO. ASSIGNED: 43013532780000

WELL NAME: Circle B 2-3C5

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

PHONE NUMBER: 713 997-5038

CONTACT: Maria S. Gomez

PROPOSED LOCATION: NESW 03 030S 050W

Permit Tech Review:

SURFACE: 1927 FSL 1834 FWL

Engineering Review:

BOTTOM: 1927 FSL 1834 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.24710

LONGITUDE: -110.43935

UTM SURF EASTINGS: 547684.00

NORTHINGS: 4455334.00

FIELD NAME: ALTAMONT

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: Duchesne City Water
- 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 139-124
- Effective Date: 11/6/2014
- Siting: 8 WELLS PER SECTION
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
12 - Cement Volume (3) - daynedoucet
27 - Other - daynedoucet



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. HAZA
Division Director

Permit To Drill

Well Name: Circle B 2-3C5
API Well Number: 43013532780000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 4/27/2015

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 139-124. 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 volume for the 7" casing shall be determined from actual hole diameter in order to place tail cement from the pipe setting depth back to 7000' MD (500' above lower Green River) as indicated in the submitted drilling plan.

A properly lubricated rotating head shall be used while air drilling.

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:



For John Rogers
Associate Director, Oil & Gas

CONFIDENTIAL

5/6/2015

Subject: 24 Hour Notice Spud 8-3/4" Intermediate section on the following well.

Well Name: Circle B 2-3~~6~~C5
API Well Number: 43013532780000
Field: Altamont
County: Duchesne
Mineral Owner: Fee

5/7/2015

10:00 pm

Patterson-UTI

Rig #307 Spud 8-3/4" Intermediate (pressure test BOPE)

Best Regards

Gary Miller
Rig Site Supervisor
EP Energy LLC
C: 435-823-1725

NESW S-03 T-035 R-05W FEE LEASE

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Carol Daniels <caroldaniels@utah.gov>

NE SW SEC 03 T03S R05W FEE LEASE

Spud 12-1/4" surface hole

1 message

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

Thu, Apr 30, 2015 at 8:36 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>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>

RE: EP ENERGY

CIRCLE B 2-3C5

API Well Number: 43013532780000

DUCHESNE CO., UTAH

Leon Ross Drilling began drilling 12-1/4" surface hole on the Circle B 2-3C5 well at 7:30 PM, 04/29/2015. Should be running 9-5/8" casing and cementing this afternoon.

Regards,

Gary Miller

Well site Supervisor

Patterson 307

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 <alexishuefner@utah.gov>

WITHIN 24 HOURS POST NOTICE - Spudded 24" conductor hole on Circle B 2-3C5

1 message

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

Mon, Apr 27, 2015 at 4:22 PM

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>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>

RE: EP ENERGY
CIRCLE B 2-3C5
API Well Number: 43013532780000
DUCHESNE CO., UTAH

1927 FSL 1834 FWL
NESW 3 3S 5W

Leon Ross Drilling began drilling 24" conductor hole on the Circle B 2-3C5 well near Noon, 04/27/2015.

Regards,
Eugene Parker
Well site Supervisor
Patterson 307
713-997-1255

CONFIDENTIAL

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	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:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Circle B 2-3C5
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013532780000
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1927 FSL 1834 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 03 Township: 03.0S Range: 05.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT
	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: 6/5/2015	<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. Please see attached for details.

Approved by the
June 04, 2015
Utah Division of
Oil, Gas and Mining

Date: _____
 By: DeKQ

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 6/4/2015	

Circle B 2-3C5**Initial Completion****API # : 4301353278****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 casing after the frac.
6. 2 7/8" tubing will be run to isolate the 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)**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	11,632	11,897	265	NA	23	69	17	THS 30/50	150,000	566	3,000	5,000	3,705	4,117
Stage #2	11,403	11,601	198	11,616	20	60	17	THS 30/50	150,000	758	3,000	5,000	3,701	4,113
Stage #3	11,090	11,371	281	11,386	23	69	17	THS 30/50	150,000	534	3,000	5,000	3,695	4,107
Stage #4	10,485	10,781	296	10,796	23	69	17	THS 30/50	165,000	557	3,000	5,000	4,047	4,488
Stage #5	10,197	10,441	244	10,456	22	66	17	THS 30/50	150,000	615	3,000	5,000	3,679	4,091
Stage #6	9,909	10,167	258	10,182	23	69	17	TLC 30/50	150,000	581	3,000	5,000	3,674	4,075
Stage #7	9,613	9,870	257	9,885	23	69	17	TLC 30/50	150,000	584	3,000	5,000	3,669	4,069
Stage #8	9,284	9,564	280	9,579	23	69	17	TLC 30/50	150,000	536	3,000	5,000	3,663	4,064
Average per Stage			260		23	68	17		151,875	591	3,000	5,000	3,729	4,140
Totals per Well			2,079		180	540	136		1,215,000		24,000	40,000	29,833	33,124
Top Perf:		9,284									Number of Stages			8
Bottom Perf:		11,897												



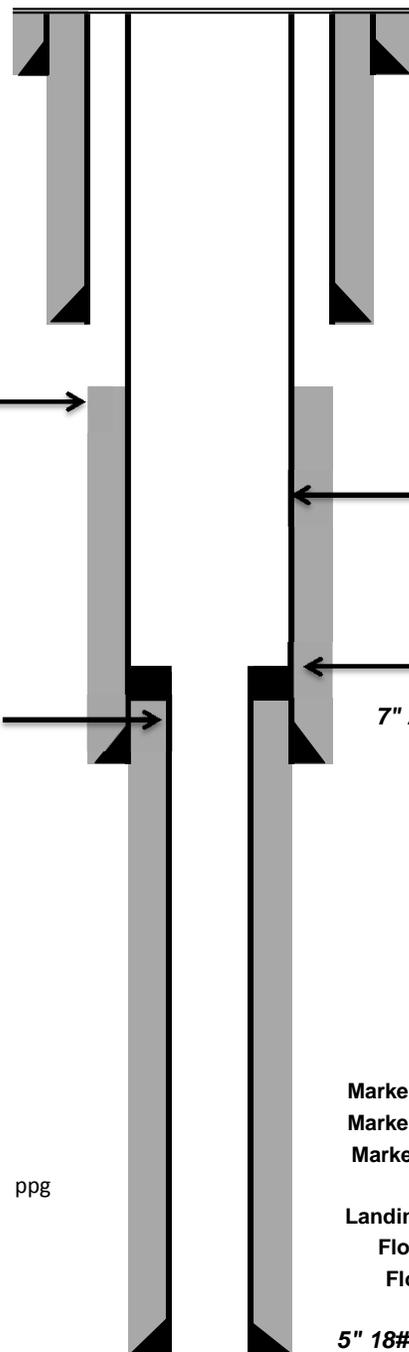
Pre-Completion Wellbore Schematic

Well Name: **Circle B 2-3C5**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40 14' 49.952" N Long: 110 26' 18.953" W**
 Producing Zone(s): **Upper Wasatch**

Last Updated: **5/27/2015**
 By: **Krug**
 TD: **12,108**
 API: **4301353278**
 AFE: **163957**

Bottom Perf: 11,897

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



13-3/8" 54.5# K-55 LTC @ 757 ft. MD

9-5/8" 40# N-80 LTC @ 1992 ft. MD

Estimated 7" TOC: X,XXX ft MD

7" Marker Joint at: 7,479 ft MD

Liner TOC at: X,XXX ft MD

Top of Liner at: 9,118 ft MD

7" 29# HCP-110 LTC @ 9270 ft. MD
 Drift ID = 6.059"

Marker Joint 1 at: 10,101 ft MD

Marker Joint 2 at: 11,098 ft MD

Marker Joint 3 at: N/A ft MD

Drilling MW @ TD: 13.0 ppg

Landing Collar @ 12,021 ft MD

Float Collar @ 12,065 ft MD

Float Shoe @ 12,108 ft MD

5" 18# HCP-110 STL @ 9118 - 12110 ft. MD
 Drift ID = 4.151"

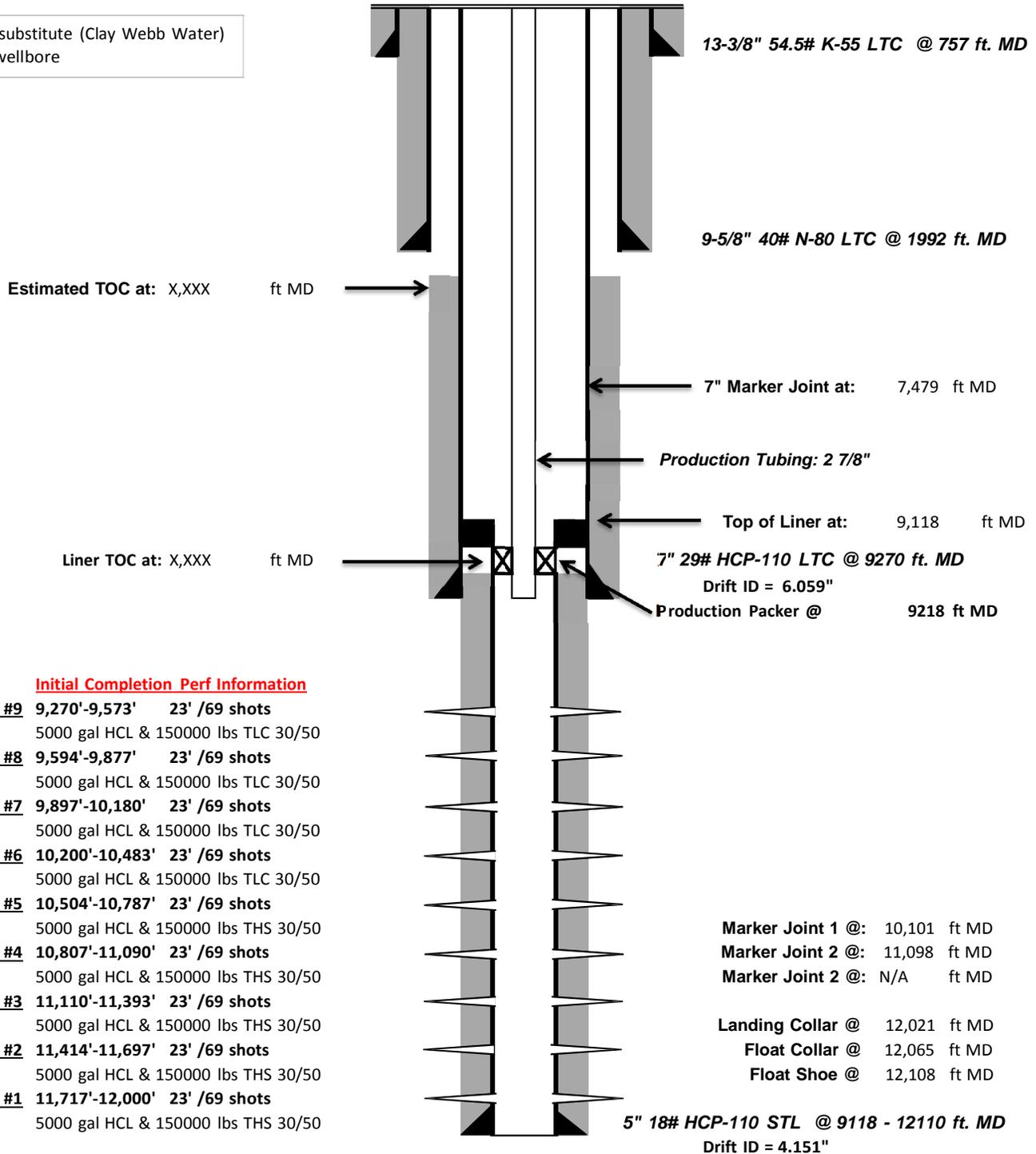


Post-Completion Wellbore Schematic

Well Name: **Circle B 2-3C5**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40 14' 49.952" N Long: 110 26' 18.953" W**
 Producing Zone(s): **Upper Wasatch**

Last Updated: **5/27/2015**
 By: **Krug**
 TD: **12,108**
 API: **4301353278**
 AFE: **163957**

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



Initial Completion Perf Information

- Stage #9** 9,270'-9,573' 23' /69 shots
5000 gal HCL & 150000 lbs TLC 30/50
- Stage #8** 9,594'-9,877' 23' /69 shots
5000 gal HCL & 150000 lbs TLC 30/50
- Stage #7** 9,897'-10,180' 23' /69 shots
5000 gal HCL & 150000 lbs TLC 30/50
- Stage #6** 10,200'-10,483' 23' /69 shots
5000 gal HCL & 150000 lbs TLC 30/50
- Stage #5** 10,504'-10,787' 23' /69 shots
5000 gal HCL & 150000 lbs THS 30/50
- Stage #4** 10,807'-11,090' 23' /69 shots
5000 gal HCL & 150000 lbs THS 30/50
- Stage #3** 11,110'-11,393' 23' /69 shots
5000 gal HCL & 150000 lbs THS 30/50
- Stage #2** 11,414'-11,697' 23' /69 shots
5000 gal HCL & 150000 lbs THS 30/50
- Stage #1** 11,717'-12,000' 23' /69 shots
5000 gal HCL & 150000 lbs THS 30/50

- Marker Joint 1 @:** 10,101 ft MD
- Marker Joint 2 @:** 11,098 ft MD
- Marker Joint 2 @:** N/A ft MD

- Landing Collar @** 12,021 ft MD
- Float Collar @** 12,065 ft MD
- Float Shoe @** 12,108 ft MD

5" 18# HCP-110 STL @ 9118 - 12110 ft. MD
 Drift ID = 4.151"

CONFIDENTIAL



Carol Daniels <caroldaniels@utah.gov>

NESW S03 T03S R05W FEE LEASE

FW: REVISED...Intent to run & cement 5" Production Liner on Circle B 2-3C5

1 message

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

Sat, May 23, 2015 at 4:50 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>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>

RE: EP ENERGY
CIRCLE B 2-3C5
API Well Number: 43013532780000
DUCHESNE CO., UTAH

We intend to run and cement 5", 18#, HCP-110, STC Production Liner to approximately 12,105' on Circle B 2-3C5 well within 24 hrs.

Regards,
Eugene Parker
Well site Supervisor
Patterson 307
713-997-1255

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CONFIDENTIAL



Carol Daniels <caroldaniels@utah.gov>

NE SW 503 T 035 R 05 W FEE LEASE

Intent to run & cement 7" casing on Circle B 2-3C5

1 message

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

Sat, May 16, 2015 at 4:40 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>, "Derden, Roy Lynn (Contractor)" <Roy.Derden@epenergy.com>

RE: EP ENERGY
CIRCLE B 2-3C5
API Well Number: 43013532780000
DUCHESNE CO., UTAH

We intend to run and cement approximately 9,280' of 7", 29#, HCP-110, LTC Intermediate casing on Circle B 2-3C5 well within 24 hrs.

Regards,
Eugene Parker
Well site Supervisor
Patterson 307
713-997-1255

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG		5. LEASE DESIGNATION AND SERIAL NUMBER:
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME
2. NAME OF OPERATOR:		8. WELL NAME and NUMBER:
3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____ PHONE NUMBER: _____		9. API NUMBER:
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:		10 FIELD AND POOL, OR WILDCAT
		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
		12. COUNTY _____ 13. STATE UTAH

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED: _____ ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>	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 <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (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					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								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. <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> DST REPORT <input type="checkbox"/> DIRECTIONAL SURVEY <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> OTHER: _____	30. WELL STATUS:
--	------------------

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

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

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) _____ TITLE _____
 SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

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

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

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

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

Attachment to Well Completion Report**Form 8 Dated July 11, 2015****Well Name: Circle B 2-3C5****Items #27 and #28 Continued****27. Perforation Record**

Interval (Top/Bottom – MD)	Size	No. of Holes	Perf. Status
10485'-10781'	.38	69	Open
10197'-10441'	.38	66	Open
9909'-10167'	.38	69	Open
9613'-9870'	.38	69	Open

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

Depth Interval	Amount and Type of Material
10827'-11051'	5000 gal acid, 3000# 100 mesh, 150300# 30/50 THS
10485'-10781'	5000 gal acid, 4000# 100 mesh, 168160# 30/50 THS
10197'-10441'	5000 gal acid, 3000# 100 mesh, 150400# 30/50 TLC
9909'-10167'	5000 gal acid, 3000# 100 mesh, 150400# 30/50 TLC
9613'-9870'	5000 gal acid, 3280# 100 mesh, 150400# 30/50 TLC



Company: EP Energy
Well: Circle B 2-3C5
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	100.00	0.36	43.69	100.00	100.00	0.23	0.23	N	0.22	E	0.32	43.69	0.36	0.36	43.69
2	200.00	0.31	93.69	100.00	200.00	0.44	0.44	N	0.70	E	0.83	57.94	0.29	-0.06	49.99
3	300.00	0.38	131.77	100.00	300.00	0.20	0.20	N	1.22	E	1.23	80.57	0.23	0.08	38.08
4	400.00	0.43	173.57	100.00	399.99	-0.39	0.39	S	1.50	E	1.55	104.52	0.29	0.05	41.80
5	500.00	0.26	198.38	100.00	499.99	-0.98	0.98	S	1.47	E	1.77	123.56	0.22	-0.16	24.81
6	600.00	0.26	206.47	100.00	599.99	-1.40	1.40	S	1.30	E	1.91	137.06	0.04	0.00	8.10
7	700.00	0.34	232.80	100.00	699.99	-1.78	1.78	S	0.96	E	2.02	151.52	0.16	0.08	26.33
8	800.00	0.36	274.12	100.00	799.99	-1.93	1.93	S	0.42	E	1.98	167.80	0.25	0.02	41.32
9	900.00	0.49	302.10	100.00	899.98	-1.69	1.69	S	0.25	W	1.70	188.58	0.24	0.13	27.98
10	1000.00	0.69	313.67	100.00	999.98	-1.04	1.04	S	1.05	W	1.48	225.33	0.24	0.21	11.56
11	1100.00	0.69	293.39	100.00	1099.97	-0.38	0.38	S	2.05	W	2.08	259.41	0.24	0.00	-20.28
12	1200.00	0.88	292.96	100.00	1199.96	0.16	0.16	N	3.31	W	3.31	272.69	0.18	0.18	-0.43
13	1300.00	0.85	281.99	100.00	1299.95	0.61	0.61	N	4.74	W	4.78	277.32	0.17	-0.02	-10.97
14	1400.00	0.95	296.56	100.00	1399.94	1.13	1.13	N	6.21	W	6.31	280.35	0.25	0.10	14.57
15	1500.00	0.94	303.74	100.00	1499.93	1.96	1.96	N	7.63	W	7.88	284.40	0.12	-0.01	7.18
16	1600.00	0.97	283.20	100.00	1599.91	2.61	2.61	N	9.13	W	9.49	285.93	0.34	0.03	-20.53
17	1700.00	0.82	256.94	100.00	1699.90	2.64	2.64	N	10.65	W	10.97	283.91	0.43	-0.15	-26.26
18	1800.00	0.78	252.97	100.00	1799.89	2.28	2.28	N	12.00	W	12.21	280.74	0.07	-0.04	-3.97
19	1894.00	1.13	248.79	94.00	1893.88	1.75	1.75	N	13.48	W	13.59	277.41	0.38	0.37	-4.45
20	2114.00	1.80	220.50	220.00	2113.81	-1.66	1.66	S	17.75	W	17.82	264.65	0.44	0.30	-12.86
21	2210.00	2.80	239.40	96.00	2209.73	-4.00	4.00	S	20.74	W	21.13	259.08	1.29	1.04	19.69
22	2305.00	2.80	236.70	95.00	2304.62	-6.46	6.46	S	24.68	W	25.51	255.34	0.14	0.00	-2.84
23	2400.00	2.70	237.20	95.00	2399.51	-8.94	8.94	S	28.50	W	29.87	252.58	0.11	-0.11	0.53
24	2496.00	2.70	239.00	96.00	2495.40	-11.33	11.33	S	32.34	W	34.27	250.69	0.09	0.00	1.88
25	2592.00	2.80	241.90	96.00	2591.29	-13.60	13.60	S	36.34	W	38.81	249.48	0.18	0.10	3.02
26	2688.00	3.20	223.50	96.00	2687.16	-16.65	16.65	S	40.26	W	43.56	247.53	1.08	0.42	-19.17
27	2783.00	3.50	229.00	95.00	2782.00	-20.48	20.48	S	44.27	W	48.78	245.18	0.46	0.32	5.79
28	2879.00	2.50	216.50	96.00	2877.87	-24.08	24.08	S	47.73	W	53.46	243.23	1.24	-1.04	-13.02
29	2975.00	2.80	215.10	96.00	2973.76	-27.68	27.68	S	50.32	W	57.43	241.18	0.32	0.31	-1.46
30	3069.00	2.70	211.60	94.00	3067.65	-31.45	31.45	S	52.80	W	61.46	239.22	0.21	-0.11	-3.72
31	3165.00	2.60	215.60	96.00	3163.55	-35.14	35.14	S	55.25	W	65.48	237.54	0.22	-0.10	4.17
32	3260.00	2.70	210.70	95.00	3258.45	-38.82	38.82	S	57.65	W	69.50	236.05	0.26	0.11	-5.16
33	3356.00	3.10	207.80	96.00	3354.33	-43.06	43.06	S	60.02	W	73.87	234.34	0.44	0.42	-3.02
34	3451.00	2.60	220.80	95.00	3449.21	-46.96	46.96	S	62.62	W	78.28	233.13	0.86	-0.53	13.68
35	3545.00	2.50	206.80	94.00	3543.12	-50.41	50.41	S	64.94	W	82.21	232.18	0.67	-0.11	-14.89



Company: EP Energy
Well: Circle B 2-3C5
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	3641.00	2.60	220.30	96.00	3639.02	-53.94	53.94	S	67.29	W	86.24	231.29	0.63	0.10	14.06
37	3737.00	2.70	219.60	96.00	3734.92	-57.34	57.34	S	70.14	W	90.60	230.73	0.11	0.10	-0.73
38	3833.00	3.00	230.10	96.00	3830.80	-60.69	60.69	S	73.51	W	95.33	230.46	0.63	0.31	10.94
39	3928.00	3.30	230.10	95.00	3925.66	-64.04	64.04	S	77.52	W	100.55	230.44	0.32	0.32	0.00
40	4024.00	3.00	223.30	96.00	4021.51	-67.64	67.64	S	81.36	W	105.80	230.26	0.50	-0.31	-7.08
41	4119.00	3.10	219.90	95.00	4116.38	-71.42	71.42	S	84.71	W	110.80	229.86	0.22	0.11	-3.58
42	4214.00	3.20	215.30	95.00	4211.24	-75.56	75.56	S	87.89	W	115.90	229.32	0.29	0.11	-4.84
43	4309.00	2.80	232.20	95.00	4306.11	-79.14	79.14	S	91.26	W	120.79	229.07	1.02	-0.42	17.79
44	4404.00	2.60	225.90	95.00	4401.00	-82.06	82.06	S	94.64	W	125.26	229.07	0.38	-0.21	-6.63
45	4500.00	2.50	223.00	96.00	4496.91	-85.11	85.11	S	97.63	W	129.52	228.92	0.17	-0.10	-3.02
46	4595.00	2.70	219.80	95.00	4591.81	-88.35	88.35	S	100.47	W	133.79	228.68	0.26	0.21	-3.37
47	4690.00	2.70	218.60	95.00	4686.70	-91.81	91.81	S	103.30	W	138.21	228.37	0.06	0.00	-1.26
48	4785.00	2.80	213.00	95.00	4781.59	-95.51	95.51	S	105.96	W	142.65	227.97	0.30	0.11	-5.89
49	4881.00	2.70	209.60	96.00	4877.48	-99.44	99.44	S	108.36	W	147.07	227.46	0.20	-0.10	-3.54
50	4977.00	3.00	229.80	96.00	4973.37	-103.03	103.03	S	111.39	W	151.73	227.23	1.09	0.31	21.04
51	5072.00	3.00	226.60	95.00	5068.24	-106.34	106.34	S	115.10	W	156.70	227.26	0.18	0.00	-3.37
52	5168.00	2.60	222.80	96.00	5164.12	-109.66	109.66	S	118.40	W	161.39	227.19	0.46	-0.42	-3.96
53	5263.00	2.80	221.60	95.00	5259.02	-112.98	112.98	S	121.41	W	165.84	227.06	0.22	0.21	-1.26
54	5357.00	2.60	217.50	94.00	5352.91	-116.39	116.39	S	124.23	W	170.23	226.87	0.30	-0.21	-4.36
55	5453.00	2.60	211.50	96.00	5448.81	-119.97	119.97	S	126.69	W	174.48	226.56	0.28	0.00	-6.25
56	5549.00	2.30	226.60	96.00	5544.73	-123.15	123.15	S	129.23	W	178.51	226.38	0.74	-0.31	15.73
57	5644.00	2.20	219.30	95.00	5639.65	-125.87	125.87	S	131.77	W	182.23	226.31	0.32	-0.11	-7.68
58	5740.00	2.50	238.20	96.00	5735.58	-128.40	128.40	S	134.72	W	186.11	226.37	0.86	0.31	19.69
59	5834.00	2.50	230.30	94.00	5829.49	-130.79	130.79	S	138.03	W	190.16	226.54	0.37	0.00	-8.40
60	5930.00	2.30	218.80	96.00	5925.40	-133.63	133.63	S	140.85	W	194.16	226.51	0.54	-0.21	-11.98
61	6025.00	2.40	210.00	95.00	6020.32	-136.84	136.84	S	143.04	W	197.95	226.27	0.39	0.11	-9.26
62	6121.00	2.20	215.50	96.00	6116.25	-140.08	140.08	S	145.12	W	201.70	226.01	0.31	-0.21	5.73
63	6216.00	2.30	211.80	95.00	6211.17	-143.19	143.19	S	147.18	W	205.34	225.79	0.19	0.11	-3.89
64	6312.00	2.70	202.30	96.00	6307.08	-146.91	146.91	S	149.05	W	209.29	225.41	0.60	0.42	-9.90
65	6407.00	2.50	235.10	95.00	6401.99	-150.17	150.17	S	151.60	W	213.39	225.27	1.56	-0.21	34.53
66	6503.00	3.20	216.50	96.00	6497.87	-153.52	153.52	S	154.91	W	218.10	225.26	1.20	0.73	-19.38
67	6597.00	2.20	238.70	94.00	6591.77	-156.57	156.57	S	158.02	W	222.45	225.26	1.52	-1.06	23.62
68	6693.00	2.20	245.10	96.00	6687.70	-158.30	158.30	S	161.26	W	225.97	225.53	0.26	0.00	6.67
69	6789.00	2.50	235.30	96.00	6783.62	-160.27	160.27	S	164.65	W	229.78	225.77	0.52	0.31	-10.21
70	6884.00	1.10	254.00	95.00	6878.57	-161.70	161.70	S	167.23	W	232.62	225.96	1.58	-1.47	19.68
71	6980.00	1.40	242.60	96.00	6974.55	-162.49	162.49	S	169.16	W	234.56	226.15	0.40	0.31	-11.88
72	7074.00	2.00	228.90	94.00	7068.50	-164.10	164.10	S	171.42	W	237.30	226.25	0.77	0.64	-14.57



Company: EP Energy
Well: Circle B 2-3C5
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			
73	7169.00	1.40	248.90	95.00	7163.46	-165.61	165.61 S	173.75 W	240.03	226.37	0.88	-0.63	21.05
74	7264.00	1.90	232.40	95.00	7258.42	-166.99	166.99 S	176.08 W	242.67	226.52	0.72	0.53	-17.37
75	7360.00	2.10	215.60	96.00	7354.37	-169.39	169.39 S	178.36 W	245.98	226.48	0.64	0.21	-17.50
76	7455.00	2.20	207.60	95.00	7449.30	-172.42	172.42 S	180.22 W	249.42	226.27	0.33	0.11	-8.42
77	7551.00	2.50	208.10	96.00	7545.22	-175.90	175.90 S	182.06 W	253.15	225.99	0.31	0.31	0.52
78	7647.00	2.00	225.80	96.00	7641.15	-178.91	178.91 S	184.25 W	256.82	225.84	0.89	-0.52	18.44
79	7742.00	1.60	215.40	95.00	7736.10	-181.15	181.15 S	186.21 W	259.79	225.79	0.54	-0.42	-10.95
80	7837.00	2.40	214.60	95.00	7831.04	-183.87	183.87 S	188.10 W	263.04	225.65	0.84	0.84	-0.84
81	7932.00	2.60	200.90	95.00	7925.95	-187.52	187.52 S	190.00 W	266.95	225.38	0.66	0.21	-14.42
82	8028.00	1.90	193.40	96.00	8021.88	-191.10	191.10 S	191.15 W	270.29	225.01	0.79	-0.73	-7.81
83	8124.00	2.50	204.10	96.00	8117.80	-194.56	194.56 S	192.37 W	273.61	224.68	0.75	0.63	11.15
84	8220.00	1.60	202.80	96.00	8213.74	-197.71	197.71 S	193.75 W	276.81	224.42	0.94	-0.94	-1.35
85	8316.00	2.10	211.10	96.00	8309.69	-200.45	200.45 S	195.17 W	279.77	224.24	0.59	0.52	8.65
86	8411.00	2.60	199.80	95.00	8404.61	-203.97	203.97 S	196.80 W	283.43	223.98	0.72	0.53	-11.89
87	8506.00	2.30	207.50	95.00	8499.53	-207.69	207.69 S	198.41 W	287.23	223.69	0.47	-0.32	8.11
88	8602.00	2.50	205.60	96.00	8595.44	-211.28	211.28 S	200.21 W	291.07	223.46	0.22	0.21	-1.98
89	8697.00	1.90	201.90	95.00	8690.37	-214.61	214.61 S	201.69 W	294.51	223.22	0.65	-0.63	-3.89
90	8793.00	2.00	198.30	96.00	8786.32	-217.68	217.68 S	202.81 W	297.52	222.97	0.16	0.10	-3.75
91	8888.00	2.00	201.00	95.00	8881.26	-220.80	220.80 S	203.92 W	300.56	222.72	0.10	0.00	2.84
92	8983.00	1.10	254.40	95.00	8976.23	-222.59	222.59 S	205.40 W	302.88	222.70	1.69	-0.95	56.21
93	9078.00	1.30	255.70	95.00	9071.21	-223.11	223.11 S	207.32 W	304.56	222.90	0.21	0.21	1.37
94	9173.00	0.60	263.10	95.00	9166.19	-223.43	223.43 S	208.86 W	305.85	223.07	0.75	-0.74	7.79
95	9226.00	0.50	210.00	53.00	9219.19	-223.67	223.67 S	209.25 W	306.29	223.09	0.94	-0.19	-100.19
96	9300.00	0.99	193.48	74.00	9293.18	-224.57	224.57 S	209.56 W	307.16	223.02	0.72	0.67	-22.33
97	9400.00	1.41	201.24	100.00	9393.16	-226.56	226.56 S	210.21 W	309.05	222.86	0.45	0.42	7.76
98	9500.00	1.64	199.13	100.00	9493.13	-229.06	229.06 S	211.12 W	311.51	222.67	0.24	0.24	-2.11
99	9600.00	2.12	209.02	100.00	9593.07	-232.03	232.03 S	212.49 W	314.62	222.48	0.57	0.47	9.89
100	9700.00	2.21	215.24	100.00	9693.00	-235.22	235.22 S	214.49 W	318.33	222.36	0.25	0.10	6.22
101	9800.00	2.74	202.71	100.00	9792.91	-239.00	239.00 S	216.53 W	322.50	222.18	0.75	0.53	-12.53
102	9900.00	2.87	201.48	100.00	9892.79	-243.53	243.53 S	218.37 W	327.10	221.88	0.15	0.14	-1.23
103	10000.00	2.75	199.10	100.00	9992.67	-248.13	248.13 S	220.07 W	331.66	221.57	0.17	-0.13	-2.38
104	10100.00	2.94	194.36	100.00	10092.54	-252.88	252.88 S	221.49 W	336.17	221.21	0.31	0.20	-4.73
105	10200.00	2.78	193.91	100.00	10192.42	-257.72	257.72 S	222.71 W	340.62	220.83	0.16	-0.16	-0.45
106	10300.00	2.99	186.46	100.00	10292.29	-262.67	262.67 S	223.59 W	344.95	220.41	0.43	0.21	-7.45
107	10400.00	2.86	180.35	100.00	10392.16	-267.75	267.75 S	223.90 W	349.03	219.90	0.34	-0.13	-6.11
108	10500.00	3.01	182.46	100.00	10492.03	-272.87	272.87 S	224.03 W	353.05	219.39	0.19	0.15	2.11
109	10600.00	2.65	190.89	100.00	10591.91	-277.76	277.76 S	224.58 W	357.19	218.96	0.55	-0.36	8.43



Company: EP Energy **Job Number:** _____
Well: Circle B 2-3C5 **Mag Decl.:** _____
Location: Duchesne, UT **Dir Driller:** _____
Rig: Patterson 307 **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			
110	10700.00	2.88	192.15	100.00	10691.79	-282.49	282.49 S	225.54 W	361.48	218.60	0.24	0.23	1.26
111	10800.00	3.16	186.24	100.00	10791.65	-287.68	287.68 S	226.37 W	366.07	218.20	0.42	0.28	-5.91
112	10900.00	3.36	189.22	100.00	10891.49	-293.31	293.31 S	227.14 W	370.97	217.75	0.26	0.20	2.98
113	11000.00	3.34	189.24	100.00	10991.32	-299.07	299.07 S	228.07 W	376.12	217.33	0.02	-0.02	0.03
114	11100.00	3.33	189.82	100.00	11091.15	-304.81	304.81 S	229.04 W	381.27	216.92	0.04	-0.01	0.57
115	11200.00	3.45	185.17	100.00	11190.98	-310.67	310.67 S	229.80 W	386.43	216.49	0.30	0.12	-4.65
116	11300.00	3.82	184.29	100.00	11290.78	-316.99	316.99 S	230.32 W	391.83	216.00	0.38	0.37	-0.88
117	11400.00	3.95	188.81	100.00	11390.55	-323.72	323.72 S	231.10 W	397.75	215.52	0.33	0.13	4.52
118	11500.00	4.01	196.71	100.00	11490.31	-330.47	330.47 S	232.64 W	404.14	215.14	0.55	0.06	7.90
119	11600.00	3.47	191.85	100.00	11590.09	-336.78	336.78 S	234.26 W	410.25	214.82	0.63	-0.54	-4.87
120	11700.00	3.44	196.31	100.00	11689.91	-342.63	342.63 S	235.73 W	415.89	214.53	0.27	-0.03	4.46
121	11800.00	3.64	196.48	100.00	11789.72	-348.56	348.56 S	237.47 W	421.77	214.27	0.20	0.20	0.17
122	11920.00	4.00	195.46	120.00	11909.45	-356.24	356.24 S	239.67 W	429.36	213.93	0.30	0.29	-0.85
123	12110.00	4.00	195.46	190.00	12098.99	-369.01	369.01 S	243.20 W	441.94	213.39	0.00	0.00	0.00

CENTRAL DIVISION

ALTAMONT FIELD
CIRCLE B 2-3C5
CIRCLE B 2-3C5
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	CIRCLE B 2-3C5		
Project	ALTAMONT FIELD	Site	CIRCLE B 2-3C5
Rig Name/No.	PATTERSON/307	Event	DRILLING LAND
Start date	4/25/2015	End date	5/26/2015
Spud Date/Time	5/8/2015	UWI	CIRCLE B 2-3C5
Active datum	KB @5,993.9ft (above Mean Sea Level)		
Afe No./Description	163957/53863 / CIRCLE B 2-3C5		

2 Summary**2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
5/5/2015	6:00 6:00	24.00	DPDCOND	07		P	2,018.0	PRE-SET RIG DRILLED 24" HOLE TO 40'. SET, CMT 2 JTS OF 20" 53.4# GRADE "B" PE COND 40' - DRILLED 17-1/2" HOLE TO 760'. SET SFC CSG 18 JTS OF 13-3/8" 54# J-55 STC SHOE AT 760' GL. CMT 13-3/8" COND CSG LEAD CMT: 880 SK'S (180 BBLS) OF 15.8 PPG, BUMPED PLUG. HAD 41 BBLS OF GOOD CMT / SFC. NO FALL BACK. DRILLED 12-1/4" HOLE TO 1995'. RAN 45 JOINTS OF 9-5/8" 40# N-80 LTC SHOE AT 1995' GL. CMT 9-5/8" LEAD CMT: 350 SKS (148 BBLS) OF 12.0 PPG. TAIL CMT: 205 SKS (47 BBLS) 14.3 PPG. BUMPED PLUG. HAD 41 BBLS OF GOOD CMT TO SURFACE.
5/6/2015	6:00 6:00	24.00	MIRU	01		P	2,018.0	PJSM, MOVE IN AND RIG UP 100% MOVED IN AND 70% RIGGED UP.
5/7/2015	6:00 6:00	24.00	MIRU	01		P	2,018.0	RIGGING UP 90% RIGGED UP.
5/8/2015	6:00 10:30	4.50	MIRU	01		P	2,018.0	RIGGING UP TOP DRIVE. RIG ON DAY WORK @ 10:30 HRS. ON 05/07/2015.
	10:30 18:00	7.50	CASSURF	28		P	2,018.0	NU BOPE AND WING VALVES. TORQUE UP STACK.
	18:00 19:00	1.00	CASSURF	31		P	2,018.0	TESTED CASING 2,500 PSI. HELD >30 MINUTES.
	19:00 0:00	5.00	CASSURF	30		P	2,018.0	MIXED SPUD MUD & DRESSED SHAKERS WHILE TESTED ANNULAR 250 PSI LOW / 4,000 PSI HIGH. REMAINDER BOPE, FLOOR VALVES, ETC TESTED 250 PSI LOW / 5,000 PSI HIGH & HELD >10 MINUTES EACH TEST.
	0:00 1:00	1.00	CASSURF	19		P	2,018.0	INSTALL WEAR BUSHING.
	1:00 4:00	3.00	CASSURF	28		P	2,018.0	CENTRALIZED & STABILIZED STACK. NU ROT HEAD & FLOWLINE.
5/9/2015	4:00 6:00	2.00	CASPRD1	17		P	2,018.0	REMOVE WRAPS FROM DRAW WORKS DRUM. SLIP AND CUT.
	6:00 6:30	0.50	DRLINT1	17		P	2,018.0	SLIP AND CUT DRILLING LINE
	6:30 12:00	5.50	DRLINT1	14		P	2,018.0	PU DIRECTIONAL TOOLS, DC'S, AND 5" DP. DRILL FC, CEMENT, AND FS. DRILL 10' OF NEW HOLE. CIRCULATE BU F/ FIT.
	12:00 12:30	0.50	DRLINT1	33		P	2,018.0	PERFORM FIT. 15.4 EMW / 675 PSI / W/ 9.0 PPG MUD WT.
	12:30 18:30	6.00	DRLINT1	07		P	2,018.0	DRILLING FROM 2018' TO 2811'. @ 2811' LOST RETURNS TO FORMATION.
	18:30 20:00	1.50	DRLINT1	52		N	2,811.0	ATTEMPT TO ESTABLISH FULL RETURNS BY PUMPING LCM SWEEPS WITH REDUCED PUMP RATES.
20:00 20:30	0.50	DRLINT1	52		N	2,811.0	PULL OUT OF HOLE TO CASING SHOE.	

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	20:30 21:30	1.00	DRLINT1	52		N	2,811.0	WORK AND ESTABLISH FULL RETURNS BY CIRCULATING WITH REDUCED PUMP RATES.
	21:30 0:30	3.00	DRLINT1	52		N	2,811.0	STAGE IN HOLE CIRCULATING B/UP PER 300'.
	0:30 6:00	5.50	DRLINT1	07		P	2,811.0	DRILLING FROM 2811' TO 3000'.
5/10/2015	6:00 16:00	10.00	DRLINT1	07		P	3,000.0	DRILLING FROM 3000' TO 3505'.
	16:00 16:30	0.50	DRLINT1	12		P	3,505.0	RIG SERVICE.
	16:30 6:00	13.50	DRLINT1	07		P	3,505.0	DRILLING FROM 3505' TO 4201'.
5/11/2015	6:00 16:00	10.00	DRLINT1	07		P	4,201.0	DRILLING FROM 4201' TO 4869'.
	16:00 16:30	0.50	DRLINT1	12		P	4,839.0	RIG SERVICE.
	16:30 6:00	13.50	DRLINT1	07		P	4,839.0	DRILLING FROM 4839' TO 5731'.
5/12/2015	6:00 17:00	11.00	DRLINT1	07		P	5,731.0	DRILLING FROM 5731' TO 6173'.
	17:00 17:30	0.50	DRLINT1	12		P	6,173.0	RIG SERVICE.
	17:30 23:30	6.00	DRLINT1	07		P	6,173.0	DRILLING FROM 6173' TO 6346'.
	23:30 0:30	1.00	DRLINT1	15		P	6,346.0	CIRC & CONDITION MUD FOR BIT TRIP.
	0:30 4:00	3.50	DRLINT1	13		P	6,346.0	TRIP OUT OF HOLE FOR BIT.
5/13/2015	4:00 6:00	2.00	DRLINT1	13		P	6,346.0	CHANGE OUT BIT AND MUD MOTOR TRIP IN HOLE WITH BHA.
	6:00 7:00	1.00	DRLINT1	07		P	6,346.0	CHANGE OUT MUD MOTOR. ORIENT TOOLS
	7:00 11:30	4.50	DRLINT1	13		P	6,346.0	TIH WITH BIT #3
	11:30 16:30	5.00	DRLINT1	07		P	6,346.0	DRILLING FROM 6,346' TO 6,750'.
	16:30 17:00	0.50	DRLINT1	12		P	6,750.0	RIG SERVICE.
5/14/2015	17:00 6:00	13.00	DRLINT1	07		P	6,750.0	DRILLED 6,750' - 7,900'.
	5/14/2015	6:00 6:00	24.00	DRLINT1	07	P	7,900.0	DRILLED 7,900' - 8,858'.
5/15/2015	6:00 7:30	1.50	DRLINT1	07		P	8,858.0	DRILLED 8,858' - 8,899'.
	7:30 15:00	7.50	DRLINT1	57		N	8,899.0	TOOH SLOWLY. ONLY 3 TIGHT SPOTS. MUD MOTOR DRAINED WITHOUT ROTATING. LAID DOWN MM & BIT.
	15:00 15:30	0.50	DRLINT1	12		P	8,899.0	RIG SERVICE.
	15:30 16:00	0.50	DRLINT1	47		N	8,899.0	REPAIRED HYDRAULIC HOSE ON ST-80.
	16:00 22:30	6.50	DRLINT1	57		N	8,899.0	MU FRESH MUD MOTOR. INSTALLED FRESH MWD BATTERIES. TIH TO 8,899', FILLED DP EVERY 2,000'.
	22:30 4:00	5.50	DRLINT1	07		P	8,899.0	DRILLED 8,899' - 9,280' ICP.
	4:00 5:00	1.00	EVLINT1	15		P	9,280.0	C & C 9.5 PPG WBM.
5/16/2015	5:00 6:00	1.00	EVLINT1	13		P	9,280.0	WIPER TRIP.
	6:00 6:30	0.50	DRLINT1	13		P	9,280.0	TIH 10 STANDS TO BOTTOM. HOLE SLICK.
	6:30 10:30	4.00	DRLINT1	15		P	9,280.0	CIR COND MUD. TRIP GAS 3,460 UNITS MUD CUT 0.5 PPG. INCREASED MUD WT 9.5 PPG TO 9.8 PPG. SIMULATED CONNECTION. CBU.
	10:30 17:30	7.00	DRLINT1	14		P	9,280.0	LAID DOWN 5" DP. PULLED ROTATING HEAD RUBBER.
	17:30 20:30	3.00	DRLINT1	14		P	9,280.0	L/D BHA, RYAN'S TOOLS, & BIT.
	20:30 21:00	0.50	EVLINT1	42		P	9,280.0	PULLED WEAR BUSHING.
	21:00 6:00	9.00	EVLINT1	22		P	9,280.0	RU & RAN WEATHERFORD'S (BSAT) COMPACT QUAD-COMBO LOG. TAGGED AT 9,240' WLM. POOH. RIG DOWN ELU TRUCK.
5/17/2015	6:00 1:00	19.00	CASINT1	24		P	9,280.0	RU FRANK'S WESTATES' CASING TOOLS. PUMU SHOE, FLOAT JT, & FC. SIH WITH 7", 29#, HCP-110, LT&C, INTERMEDIATE CASING. CBU, DISPLACED 9.8 PPG WITH 9.5 PPG MUD FROM 800' TO 2,500' WITH FULL RETURNS. SIH CSG TO 4,500', ONLY PARTIAL RETURNS. SIH AT 1,000' INTERVALS TO 6,080'. HAD RETURNS ON THE UP STROKE ONLY AT 6,080'. NO RETURNS FROM 6,080' TO 9,250'. PUMU LDG JOINT. WASHED DOWN. RAN TOTAL OF 223 JTS PLUS 1 MARKER OF 7", 29#, HCP-110, LT&C CASING TO 9,270'. MARKER TOP AT 7,478', FC @ 9,227', SHOE 9,270'.
	1:00 2:00	1.00	CASINT1	15		P	9,280.0	RD FILL-UP TOOL. MU HES' CEMENT HEAD.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	2:00 4:30	2.50	CASINT1	25		P	9,280.0	SWITCHED LINE TO HES. TESTED P & L TO 5,000 PSI. PUMPED 50 BBLS FW, THEN MIXED & PUMPED 40 BBLS 9.7 PPG TUNED SPACER. M & P 830 SXS, 282 BBLS OF 12.5 PPG, 1.91 YLD EXTENDACEM LEAD CMT. TAILED WITH 290 SXS, 85 BBLS OF 13.0 PPG, 1.64 YLD EXPANDACEM CMT. RELEASED WIPER PLUG.
	4:30 6:00	1.50	CASINT1	25		P	9,280.0	DISPLACED WITH 9.6 PPG MUD AT 6 BPM. NO RETURNS THROUGH OUT MIXING OR DISPLACING CMT. PUMPED A TOTAL OF 342 BBLS OF 9.6 PPG MUD. SLOWED PUMP RATE TO 2.5 BPM AFTER PUMPING A TOTAL OF 330 BBLS PSI 1320. BUMPED PLUG WITH 342 BBLS. BUMP PSI 1860. CIP AT 05:28 HRS 05/17/15. HAD 2 BBLS ON FLOW BACK. FLOATS HELD. RD CEMENTERS.
5/18/2015	6:00 7:00	1.00	CASINT1	25		P	9,280.0	RD CEMENTING HEAD LINES.
	7:00 9:30	2.50	CASINT1	26		P	9,280.0	FLUSHED WELL HEAD THROUGH BOPE. LANDED CSG HANGER IN HEAD WITH 236K STRING WT. REMOVED LANDING JOINT. RD BAILS & CSG ELEVATORS. REPLACED SAVER SUB TO 4" XT-39 PIN.
	9:30 10:00	0.50	CASINT1	27		P	9,280.0	INSERTED & TESTED PACK OFF TO 5,000 PSI FOR >10 MINUTES.
	10:00 16:30	6.50	CASINT1	30		P	9,280.0	RU WEATHERFORD TESTERS. LANDED TEST PLUG IN HEAD. CLEANED MUD TANKS WHILE TESTED ANNULAR 250 PSI LOW / 4,000 PSI HIGH. TESTED FLOOR VALVES & REMAINDER OF 11" 10M BOPE TO 250 LOW & 10,000 PSI. HELD ALL TESTS >10 MINUTES. CONDITIONED MUD TO 11.5 PPG. CLEANED PUMP SUCTIONS.
	16:30 17:30	1.00	CASINT1	45		P	9,280.0	TESTED CSG TO 2,500 PSI FOR > 30 MINUTES. RD TESTER.
	17:30 18:00	0.50	CASINT1	12		P	9,280.0	RIG SERVICE.
	18:00 6:00	12.00	CASINT1	14		P	9,280.0	M/U 6 1/8" PDC BIT (3 1/2" IF PIN). PUMU 6" PHA AND 4 3/4" DRILL COLLARS. PUMU 4" DP FROM RACKS. FILLED AT 1,500' INTERVALS.
5/19/2015	6:00 8:00	2.00	CASINT1	14		P	9,280.0	CONTINUED TO PUMU 4" DP FROM RACK, FILLED AT 1,500' INTERVALS.
	8:00 8:30	0.50	CASINT1	31		P	9,280.0	RETESTED CASING TO 2,500 PSI AT 1/2 BBL INCREMENTS TO RECORD DATA POINTS FOR FIT CHART.
	8:30 10:00	1.50	CASINT1	14		P	9,280.0	DRILLED OUT CEMENT & FLOAT EQUIPMENT, SHOE AT 9,270'. DRILLED 10' NH TO 9,290'.
	10:00 11:00	1.00	DRLPRD	33		P	9,280.0	C & C MUD. PERFORMED 15.4 FIT. SURFACE 1,875 PSI AT TVD 9,263' AMW: 11.5 PPG. = 15.4 PPG.
	11:00 17:00	6.00	DRLPRD	07		P	9,290.0	DRILLED 9,290' - 9,508'.
	17:00 17:30	0.50	DRLPRD	12		P	9,508.0	RIG SERVICED.
	17:30 0:30	7.00	DRLPRD	07		P	9,508.0	DRILLED 9,508' - 9,700'.
	0:30 2:00	1.50	DRLPRD	11		P	9,700.0	SLS AT 9,663' = 1.79 DEG.
	2:00 6:00	4.00	DRLPRD	07		P	9,700.0	DRILLED 9,700' - 9,800'.
5/20/2015	6:00 9:30	3.50	DRLPRD	07		P	9,800.0	DRILLED 9,800' - 9,889'. ROP & TORQUE DECREASED.
	9:30 11:00	1.50	DRLPRD	15		P	9,889.0	CBU, INCREASED MW 11.5 PPG TO 11.8 PPG.
	11:00 16:00	5.00	DRLPRD	13		P	9,889.0	TOOH FOR BIT. HOLE SLICK.
	16:00 18:30	2.50	DRLPRD	13		P	9,889.0	M/U PDC BIT #5 (REG PIN) AND NBS WITH REG BOX. TIH TO 2,945'. FILLED DP, PRESSURED TO 2500 PSI. PRESSURED 3500 PSI TO UNPLUG. STILL PLUGGED.
	18:30 22:00	3.50	DRLPRD	71		N	9,889.0	TOOH WET. L/D NBS. FOUND 5' OF CEDAR FIBER PLUG ON TOP OF DRILL STRING FLOAT. WASHED OUT SAME.
	22:00 6:00	8.00	DRLPRD	13		P	9,889.0	M/U PDC BIT #5 & NBS. TIH TO 9,889'. FILLED AT 1,500' INTERVALS.
5/21/2015	6:00 19:00	13.00	DRLPRD	07		P	9,899.0	DRILLED 9,899' - 10,825'.
	19:00 19:30	0.50	DRLPRD	15		P	10,825.0	BYPASSED SHAKERS 100% - INCREASED LCM TO 20 PPB TO CURB LOSSES.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
5/22/2015	19:30 23:00	3.50	DRLPRD	07		P	10,825.0	DRILLED 10,825' - 11,035'.
	23:00 1:00	2.00	DRLPRD	52		N	11,035.0	LOST 200 BBLS / HR. PU OFF BTM. DECREASED PUMP RATE, INCREASED LCM 20 PPB TO 25 PPB. SLOWED LOSSES TO 88 BBLS / HR.
	1:00 6:00	5.00	DRLPRD	07		P	11,035.0	DRILLED 11,035' - 11,400'.
	6:00 18:30	12.50	DRLPRD	07		P	11,400.0	DRILLED 11,400' - 12,110'.
	18:30 20:30	2.00	DRLPRD	15		P	12,110.0	SIMULATE CONNECTION. REDUCED PUMP RATE TO 30 SPM, 126 GPM. SIMULATED CONNECTION. CIR BTMS UP. HAD 6,863 UNITS OF GAS. GAS CUT MUD 0.9 PPG.
	20:30 22:00	1.50	DRLPRD	15		P	12,110.0	INCREASED MUD WT 12.8 PPG TO 13.0 PPG.
	22:00 23:00	1.00	DRLPRD	45		N	12,110.0	GASKET LEAKED ON FLOW LINE SENSOR. SHUT IN WELL. REPLACED GASKET.
5/23/2015	23:00 0:00	1.00	DRLPRD	15		P	12,110.0	CONTINUED TO INCREASE MUD WT TO 13.0 PPG. DIVERTED FLOW THROUGH GAS BUSTER, 2' TO 5' INTERMITTENT FLARE ON AND OFF FOR 20 MINUTES. LOST 68 BBLS / HR AVG.
	0:00 6:00	6.00	DRLPRD	13		P	12,110.0	WIPER TRIPPED INTO 7" SHOE 9,270'. SOME SWABBING. TRIPPED OUT SLOWLY TO MINIMIZE SWAB EFFECT. HOLE PULLED TIGHT 9,575' / 9,423', BACK-REAMED. UP INTO SHOE. WASH & REAMING AT 9,512' ART.
	6:00 8:00	2.00	DRLPRD	51		P	12,110.0	WASH & REAMED 9,423' - 9,575'. TIH SLICK TO 12,110' TD.
	8:00 11:30	3.50	DRLPRD	15		P	12,110.0	CIRC OUT LCM AT 3 BPM. MW CUT TO 12.4 PPG. RETURNS BELCHED AT SHAKERS FOR 40 MINUTES, ALTHOUGH TRIP GAS READ BELOW 3,000 UNITS. INCREASED MW 13.0 PPG TO 13.1 PPG AT 2.5 BPM.
	11:30 17:00	5.50	EVLPRD	13		P	12,110.0	TOOH. BACK-REAMED 9,500 - 9,423'. TOOH INTO 7" CSG SHOE 9,270'. TIH, REAMED 5 STANDS TO 9,767' (TIGHT 9,423 - 9,500'). TOOH INTO SHOE.
	17:00 18:00	1.00	EVLPRD	17		P	12,110.0	ALLOWED BALLOONED HOLE TO RELAX WHILE SLIPPED AND CUT DRILLING LINE.
	18:00 23:30	5.50	EVLPRD	13		P	12,110.0	TOOH TO BHA. FLOW CHECKED EVERY 20 STANDS. RECOVERED 2.375" DRIFT.
5/24/2015	23:30 2:00	2.50	EVLPRD	14		P	12,110.0	L/D BHA & BIT. CLEARED RIG FLOOR.
	2:00 6:00	4.00	EVLPRD	22		P	12,110.0	RU WFT. RIH WITH ULTRA-SLIM QUAD-COMBO LOGS. UNABLE TO GO BELOW 9,357'. POOH.
	6:00 6:30	0.50	EVLINT1	22		P	12,110.0	FINISHED RD WEATHERFORD'S ELU TRUCK.
	6:30 8:30	2.00	CASPRD1	24		P	12,110.0	RIG UP FRANK'S WESTATES' CASING TOOLS & TORQUE-TURN.
	8:30 9:00	0.50	CASPRD1	24		P	12,110.0	MU FLOAT SHOE, 1 JOINT, FLOAT COLLAR, 1 JOINT, LANDING COLLAR. CHECKED FLOATS.
	9:00 11:30	2.50	CASPRD1	24		P	12,110.0	PUMU AN ADDITIONAL 69 FULL JTS (71 TOTAL) PLUS 3 MARKER JTS OF 5", 18#, HCP-110, STL LINER. (2,991' OAL) . BROKE CIRC AT 1,000' PUMPING 12.6 PPG MUD. NO RETURNS FROM 2,000'.
	11:30 13:30	2.00	CASPRD1	24		P	12,110.0	PUMU HES' STANDARD MODEL 5" X 7" VERSAFLEX LINER HANGER. MU 1 STAND DP. INSERTED RH RUBBER. ATTEMPTED CBU FROM 3,000' AT 2.1 BPM. SLIGHT RETURNS. TIH TO 4,000'.
	13:30 14:30	1.00	CASPRD1	15		P	12,110.0	SERVICED RIG WHILE BUILT 80 BBLS OF 12 PPG MUD.
	14:30 4:00	13.50	CASPRD1	24		P	12,110.0	ESTABLISHED RETURNS PUMPING 12.0 PPG MUD. SIH WITH 5" LINER ON 4" DP. CBU WITH 12.4 PPG MUD AT 2.5 BPM EVERY 10 STAND INTERVAL. NEAR FULL RETURNS. AT 9,189' HAD CONDENSATE BACK TO SURFACE. ON MGS 1,046 UNITS. FLARE 2' - 20' BURNED 30 MINUTES. PARAFFIN BACK TO SURFACE IN SMALL QUANTITY. TAGGED 9,332', 9,383', 9,457', 9,542', & 11,033'. WASHED THROUGH ALL.
	4:00 5:30	1.50	CASPRD1	24		P	12,110.0	CBU AT 2.5 BPM WITH 12.4 PPG MUD. 20' MAX FLARE.
5:30 6:00	0.50	CASPRD1	24		P	12,110.0	TIH TO 11,700.	

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
5/25/2015	6:00 6:30	0.50	CASPRD1	24		P	12,110.0	FINISHED RUN LINER TO 12,110' TD.
	6:30 7:30	1.00	CASPRD1	15		P	12,110.0	SPACED OUT. RU HES' HEAD, SWIVEL & PLUMBING.
	7:30 11:00	3.50	CASPRD1	15		P	12,110.0	C & C 12.4 PPG MUD AT 2.5 BPM. NEAR FULL RETURNS. 15' MAX FLARE, 4,700 MAX GAS. ABUNDANT PARAFFIN AT SHAKERS.
	11:00 13:00	2.00	CASPRD1	25		P	12,110.0	SWITCHED LINE TO CEMENTERS. HES TESTED P & L TO 9,480 PSI. M & P 20 BBLS 12.6 PPG TUNED SPACER III. M & P 240 SKS / 65 BBLS EXPANDACEM PREMIUM CEMENT AT 14.2 PPG WITH 1.52 YIELD. WASHED LINES. DROPPED DP DART. PUMPED 60 BBLS CLA-WEB / ALDACIDE PLUS 85 BBLS 12.4 PPG MUD. BUMPED PLUG WITH 2,446 PSI @ 13:02 HRS, 05/24/2015. BLEED BACK 1.5 BBLS, FLOATS HELD. FULL RETURNS.
	13:00 14:30	1.50	CASPRD1	24		P	12,110.0	RELEASED BALL. RUPTURED DISC AT 5,200 PSI. PUMPED 42 BBLS. PRESSURED TO 5,450 PSI, EXPANDED HANGER. PULL TESTED LINER WITH 92K OVERPULL. SAT DOWN 100K, RELEASED SETTING TOOL FROM LINER HANGER. LANDED FS AT 12,110', FC AT 12,064', LC AT 12,021', TOL AT 9,118' WITH 152' OF LAP. TOTAL LINER LENGTH: 2,992'. MARKER JT TOPS AT 11,098' & 10,100'. DISPLACED CEMENT FROM ANNULUS; 20 BBLS OF TUNED SPACER PLUS 25 BBLS OF CEMENT BACK.
	14:30 16:00	1.50	CASPRD1	31		P	12,110.0	POSITIVE TESTED LINER TOP TO 1,000 PSI FOR >10 MINUTES. DISPLACED MUD (6 BPM) FROM DP & ANNULUS WITH 150 BBLS OF FW FOLLOWED BY 290 BBLS FRESH WATER WITH 2% CLA-WEB / ALDACIDE WATER.
	16:00 17:00	1.00	CASPRD1	15		P	12,110.0	MONITOR WELL FOR FLOW >15 MINS, WELL STATIC. RD CMT LINES & HEAD.
	17:00 3:00	10.00	CASPRD1	14		P	12,110.0	CLEANED MUD TANKS WHILE LAID DOWN 4" DP TO 3,000'. RIH 30 STANDS FROM DERRICK. LAID DOWN DP & HES' 5" LINER RUNNING TOOL.
	3:00 6:00	3.00	CASPRD1	27		P	12,110.0	ND 11" 10M BOPE.
5/26/2015	6:00 8:00	2.00	CASPRD1	29		P	12,110.0	ND BOPE.
	8:00 12:00	4.00	CASPRD1	27		P	12,110.0	NU 11" 10M X 7-1/16" 10M TBG HEAD & FRAC VALVE. TESTED HEAD TO 5,000 PSI FOR 10 MIN. RAN GYRO. RIG RELEASED @ NOON, 5/25/2015
	12:00 6:00	18.00	RDMO	02		P	12,110.0	RDMO. MOVED CAMP & TUBULARS TO SHEPARD 5-2C5. 100% RIGGED DOWN. 40% MOVED.

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CENTRAL DIVISION

ALTAMONT FIELD
CIRCLE B 2-3C5
CIRCLE B 2-3C5
COMPLETION 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	CIRCLE B 2-3C5		
Project	ALTAMONT FIELD	Site	CIRCLE B 2-3C5
Rig Name/No.		Event	COMPLETION LAND
Start date	5/30/2015	End date	
Spud Date/Time	5/8/2015	UWI	CIRCLE B 2-3C5
Active datum	KB @5,993.9ft (above Mean Sea Level)		
Afe No./Description	163957/53863 / CIRCLE B 2-3C5		

2 Summary**2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
5/30/2015	6:00 9:00	3.00	WLWORK	28		P		TRAVEL TO LOCATION. SAFETY MAN HELD EP ORIENTATION MEETING W/ WIRELINE CREW. HOLD SAFETY MEETING ON WIRELINE SAFETY. FILL OUT & REVIEW JSA
	9:00 18:00	9.00	WLWORK	18		P		RIH W/ 4"OD GUAGE RING TO 11933' WLM. POOH W/ GUAGE RING. RIH & RUN RMT LOG FROM 11931' CORROLATED DEPTH TO 8800' & CBL/GR/CCL LOG FROM 11933' TO 1500 PSI, WHILE HOLDING 4000 PSI ON CSG. RD WIRE LINE UNIT & MOVE OFF LOCATION
6/4/2015	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION. HSM, WRITE AND REVIEW JSA. TOPIC-HEAT.
	7:00 16:00	9.00	WOR	39		P		RIH W 4 1/8" ROCK BIT, 2 3/8" BIT SUB, 95 JTS 2 3/8" N 80 TBG, 2 3/8" TO 2 7/8" XOVER, 272 JTS 2 7/8" TBG, TAG AT 11,936'.
	16:00 18:00	2.00	WOR	72		P		RIG UP POWERSWIVEL. DRILL CEMENT TO LANDING COLLAR AT 12,021'.
	18:00 19:00	1.00	WOR	06		P		CIRCULATE 367 BBLs KCL H2O. RIG DOWN POWERSWIVEL.
	19:00 19:30	0.50	WOR	39		P		POOH W 3 JTS 2 7/8" N 80 TBG. SDFD
6/5/2015	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION. HSM, WRITE AND REVIEW JSA. TOPIC - EYES ON PATH AND HAND PLACEMENT
	7:00 13:00	6.00	WOR	39		P		POOH W LAYING DOWN 272 JTS 2 7/8" N 80 TBG, X OVER, 95 JTS 2 3/8" TBG, BIT SUB, 4 1/8" ROCK BIT.
	13:00 14:00	1.00	RDMO	02		P		NIPPLE DOWN BOPS. RIG DOWN WOR. MOVE OFF LOCATION.
	14:00 20:00	6.00	WHDTRE	16		P		NIPPLE UP 10 K FRAC STACK AND TEST TO 9,000 PSI. PRESSURE TEST CASING TO 9,000 PSI.
6/6/2015	6:00 7:30	1.50	STG01	28		P		TRAVEL TO LOC HOLD SAFETY MTG ON WIRE LINE OPERATIONS, WRITE & REVIEW JSA'S
	7:30 12:00	4.50	STG01	21		P		RU WIRE LINE, RIH & PERF STG 1 PERFS FROM 11897' TO 11632' USING 2-3/4" TITAN PERFECTA SDP, 16 GRM CHARGES, 3SPF @ 120 DEG PHASING, ALL PERFS CORRELATED TO HALLIBURTON ACOUSTIC CBL, STARTING PRESSURE 1000 PSI ENDING PRESSURE 900 PSI, RD WIRE LINE, CLOSE IN WELL CSG VALVES CLOSED & NIGHT CAPPED, FLOW CROSS CLOSED & CAPPED, HCR'S CLOSED & LOCKED W/ NIGHT CAP ON TOP, RU FLOW BACK LINES & WATER TRANSFER LINES, SDFD
6/7/2015	6:00 6:00	24.00	SITEPRE	18		P		HEAT FRAC WTR

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
6/8/2015	6:00 6:00	24.00	SITEPRE	18		P		MIRU HALLIBURTON FRAC EQUIP
6/9/2015	6:00 7:00	1.00	STG01	28		P		TRAVEL TO LOC HOLD SAFETY MTG ON STAYING OUT OF THE RED ZONES, WRITE & REVIEW JSA'S
	7:00 9:00	2.00	STG01	35		P		PRESSURE TEST PUMP LINES TO 9485 PSI. OPEN WELL. SICP 271 PSI. BREAK DOWN STAGE 1 PERFORATIONS @ 4320 PSI, PUMPING 10 BPM. BRING RATE UPTO 40 BPM. PUMP 132 TTL BBLS FLUID THEN PERFORM STEP RATE SHUT DOWN. ISIP 3785 PSI. FG .73. 5 MIN 3644 PSI. 10 MIN 3499 PSI. TREAT STAGE 1 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000LBS 100 MESH SAND IN 1/2 PPG STAGE & 149,200 LBS THS 30/50 SAND IN 1/2 PPG, 1 PPG, 2 PPG & 3 PPG STAGES. ISIP 4460 PSI. FG .81. AVG RATE 73.3 BPM. MAX RATE 75.7 BPM. AVG PSI 5307 PSI. MAX PSI 7818 PSI. SHUT IN WELL & TURN OVER TO WIRE LINE. 3898 BBLS FLUID TO RECOVER.
	9:00 10:30	1.50	STG02	21		P		RIH & SET 5" CBP @ 11616'. PERFORATE STAGE 2 PERFORATIONS FROM 11601' TO 11403', USING 2-3/4" TITAN PERFECTA SDP GUNS, 16 GRAM CHARGES, 3 SPF, 120 DEGREE PHASING. STARTING PRESSURE 4100 PSI, ENDING 3600 PSI, POOH W/ W.L., SHUT WELL IN & TURN OVER TO FRAC CREW. ALL PERF CORRELATED TO HALLIBURTON ACOUSTIC CBL RUN # 1 5/29/15
	10:30 12:00	1.50	STG02	35		P		PRESSURE TEST PUMP LINES TO 9474 PSI. OPEN WELL. SICP 3470 PSI. BREAK DOWN STAGE 2 PERFORATIONS @ 5489 PSI, PUMPING 10.5 BPM. BRING RATE UPTO 45 BPM. PUMP 121 TTL BBLS FLUID THEN PERFORM STEP RATE SHUT DOWN. ISIP 3843 PSI. FG .77. 5 MIN 3753 PSI. 10 MIN 3721 PSI. TREAT STAGE 2 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000LBS 100 MESH SAND IN 1/2 PPG STAGE & 150,300 LBS THS 30/50 SAND IN 1/2 PPG, 1 PPG, 2 PPG & 3 PPG STAGES. ISIP 4148 PSI. FG .79. AVG RATE 73.4 BPM. MAX RATE 75.7 BPM. AVG PSI 5124 PSI. MAX PSI 7652 PSI. SHUT IN WELL & TURN OVER TO WIRE LINE. 3896 BBLS FLUID TO RECOVER.
	12:00 14:00	2.00	STG03	21		P		RIH & SET 5" CBP @ 11392'. PERFORATE STAGE 3 PERFORATIONS FROM 11371' TO 11090', USING 2-3/4" TITAN PERFECTA SDP GUNS, 16 GRAM CHARGES, 3 SPF, 120 DEGREE PHASING. STARTING PRESSURE 4100 PSI, ENDING 3600 PSI, POOH W/ W.L., SHUT WELL IN & TURN OVER TO FRAC CREW. ALL PERF CORRELATED TO HALLIBURTON ACOUSTIC CBL RUN # 1 5/29/15
	14:00 15:30	1.50	STG03	35		P		PRESSURE TEST PUMP LINES TO 9559 PSI. OPEN WELL. SICP 3884 PSI. BREAK DOWN STAGE 3 PERFORATIONS @ 4183 PSI, PUMPING 10 BPM. BRING RATE UPTO 44 BPM. PUMP 139 TTL BBLS FLUID THEN PERFORM STEP RATE SHUT DOWN. ISIP 4096 PSI. FG .80. 5 MIN 3948 PSI. 10 MIN 3922 PSI. TREAT STAGE 3 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000LBS 100 MESH SAND IN 1/2 PPG STAGE & 150,300 LBS THS 30/50 SAND IN 1/2 PPG, 1 PPG, 2 PPG & 3 PPG STAGES. ISIP 4206 PSI. FG .80. AVG RATE 73.9 BPM. MAX RATE 76 BPM. AVG PSI 5032 PSI. MAX PSI 7375 PSI. SHUT IN WELL & TURN OVER TO WIRE LINE. 3946 BBLS FLUID TO RECOVER.
15:30 18:30	3.00	WLWORK	18		N		WAIT ON GAMMA RAY FROM ROOSEVELT, RIH W/ GAMMA RAY & CCL RIH & LOG FROM 10450'-9050' TO VERIFY SHORT JT @ 10090'-10100', HALLIBURTON LOG IS MARKED WRONG W/ HAVING SHORT JT @ 10130'-10140', POOH W/ LOGGING TOOLS	

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	18:30 20:00	1.50	STG04	21		P		RIH & SET 5" CBP @ 11066'. PERFORATE STAGE 4 PERFORATIONS FROM 11051' TO 10827', USING 2-3/4" TITAN PERFECTA SDP GUNS, 16 GRAM CHARGES, 3 SPF, 120 DEGREE PHASING. STARTING PRESSURE 4000 PSI, ENDING 4000 PSI, POOH W/ W.L., SHUT WELL IN & TURN OVER TO FRAC CREW. ALL PERF CORRELATED TO HALLIBURTON ACOUSTIC CBL RUN # 1 5/29/15
	20:00 21:30	1.50	STG04	35		P		PRESSURE TEST PUMP LINES TO 9524 PSI. OPEN WELL. SICP 3838 PSI. BREAK DOWN STAGE 4 PERFORATIONS @ 4645 PSI, PUMPING 10 BPM. BRING RATE UPTO 45 BPM. PUMP 134 TTL BBLS FLUID THEN PERFORM STEP RATE SHUT DOWN. ISIP 4112 PSI. FG .81. 5 MIN 3926 PSI. 10 MIN 3892 PSI. TREAT STAGE 4 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000LBS 100 MESH SAND IN 1/2 PPG STAGE & 150,300 LBS THS 30/50 SAND IN 1/2 PPG, 1 PPG, 2 PPG & 3 PPG STAGES. ISIP 4123 PSI. FG .80. AVG RATE 71.1 BPM. MAX RATE 74.5 BPM. AVG PSI 5002 PSI. MAX PSI 7365 PSI. SHUT IN WELL & TURN OVER TO WIRE LINE. 3894 BBLS FLUID TO RECOVER.
	21:30 23:30	2.00	STG05	21		P		RIH & SET 5" CBP @ 10796'. PERFORATE STAGE 5 PERFORATIONS FROM 10781' TO 10485', USING 2-3/4" TITAN PERFECTA SDP GUNS, 16 GRAM CHARGES, 3 SPF, 120 DEGREE PHASING. STARTING PRESSURE 4000 PSI, ENDING 3800 PSI, POOH W/ W.L., ALL PERFS ARE CORRELATED TO HALLIBURTON ACOUSTIC CBL RUN # 1 5/29/15, SHUT & LOCK HCR VALVES, CLOSE 7" FRAC VALVE, NIGHT CAP TOP OF FRAC STACK, VERIFY CSG VALVES & FLOW CROSS VALVES SHUT & NIGHT CAPPED, GREASE FRAC STACK SDFN
6/10/2015	6:00 8:30	2.50	STG05	26		P		TRAVEL TO LOC HOLD SAFETY MTG ON FRACING OPERATIONS WRITE & REVIEW JSA'S, CHANGE OUT 1 PUMP
	8:30 10:00	1.50	STG05	35		P		PRESSURE TEST PUMP LINES TO 10168' PSI. OPEN WELL. SICP 3310 PSI. BREAK DOWN STAGE 5 PERFORATIONS @ 5712 PSI, PUMPING 10 BPM. BRING RATE UPTO 45 BPM. PUMP 86 TTL BBLS FLUID THEN PERFORM STEP RATE SHUT DOWN. ISIP 3869 PSI. FG .80. 5 MIN 3125 PSI. 10 MIN 3052 PSI. TREAT STAGE 5 PERFORATIONS W/ 5000 GALLONS HCL ACID, 4000LBS 100 MESH SAND IN 1/2 PPG STAGE & 168160 LBS THS 30/50 SAND IN 1/2 PPG, 1 PPG, 2 PPG & 3 PPG STAGES. ISIP 4327 PSI. FG .84. AVG RATE 74.5 BPM. MAX RATE 75.7 BPM. AVG PSI 5393 PSI. MAX PSI 7298 PSI. SHUT IN WELL & TURN OVER TO WIRE LINE. 4179 BBLS FLUID TO RECOVER.
	10:00 11:30	1.50	STG06	21		P		RIH & SET 5" CBP @ 10456'. PERFORATE STAGE 6 PERFORATIONS FROM 10441' TO 10197', USING 2-3/4" TITAN PERFECTA SDP GUNS, 16 GRAM CHARGES, 3 SPF, 120 DEGREE PHASING. STARTING PRESSURE 3700 PSI, ENDING 3500 PSI, POOH W/ W.L., SHUT WELL IN & TURN OVER TO FRAC CREW
	11:30 13:00	1.50	STG06	35		P		PRESSURE TEST PUMP LINES TO 9519' PSI. OPEN WELL. SICP 3237 PSI. BREAK DOWN STAGE 6 PERFORATIONS @ 4607 PSI, PUMPING 10 BPM. BRING RATE UPTO 43 BPM. PUMP 95 TTL BBLS FLUID THEN PERFORM STEP RATE SHUT DOWN. ISIP 3666 PSI. FG .79. 5 MIN 3346 PSI. 10 MIN 3188 PSI. TREAT STAGE 6 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000LBS 100 MESH SAND IN 1/2 PPG STAGE & 150,400 LBS TLC 30/50 SAND IN 1/2 PPG, 1 PPG, 2 PPG & 2-1/2 PPG STAGES. ISIP 4438 PSI. FG .86. AVG RATE 73.8 BPM. MAX RATE 76.2 BPM. AVG PSI 5200 PSI. MAX PSI 8869 PSI. SHUT IN WELL & TURN OVER TO WIRE LINE. 3944 BBLS FLUID TO RECOVER.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	13:00 14:00	1.00	STG07	21		P		RIH & SET 5" CBP @ 10190'. PERFORATE STAGE 7 PERFORATIONS FROM 10167' TO 9909', USING 2-3/4" TITAN PERFECTA SDP GUNS, 16 GRAM CHARGES, 3 SPF, 120 DEGREE PHASING. STARTING PRESSURE 4000 PSI, ENDING 3800 PSI, POOH W/ W.L., SHUT WELL IN & TURN OVER TO FRAC CREW
	14:00 16:00	2.00	STG07	35		P		PRESSURE TEST PUMP LINES TO 9507' PSI. OPEN WELL. SICP 3745 PSI. BREAK DOWN STAGE 7 PERFORATIONS @ 7081 PSI, PUMPING 10 BPM. BRING RATE UPTO 43 BPM. PUMP 143 TTL BBLs FLUID THEN PERFORM STEP RATE SHUT DOWN. ISIP 3819 PSI. FG .81. 5 MIN 3536 PSI. 10 MIN 3380 PSI. TREAT STAGE 7 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000LBS 100 MESH SAND IN 1/2 PPG STAGE & 150,400 LBS TLC 30/50 SAND IN 1/2 PPG, 1 PPG, 2 PPG & 2-1/2 PPG STAGES. ISIP 3469 PSI. FG .78. AVG RATE 73.7 BPM. MAX RATE 75.4 BPM. AVG PSI 4618 PSI. MAX PSI 6606 PSI. SHUT IN WELL & TURN OVER TO WIRE LINE. 3899 BBLs FLUID TO RECOVER.
	16:00 17:00	1.00	STG08	21		P		RIH SET 5" CBP @ 9890', PERFORATE STG 8 PERFS FROM 9870'-9789' (BTM SIX GUNS), WHEN GUNS GOT STUCK
	17:00 5:00	12.00	WLWORK	18		N		WORK WIRE LINE ATTEMPTING TO FREE GUNS, WHILE FLOWING WELL BACK TO FLOW BACK TANK, PULLED OUT OF ROPE SOCKET POOH, RIG DWN THE PERFORATORS & MOVE OFF LOC, LOOKS AS IF WE GOT ALL WIRE LINE OUT OF HOLE, MIRU CUTTERS BRAIDED LINE TRUCK, PU & RIH W/ 2-1/2" WT BARS, SPANG JARS, HYD JARS & OVERSHOT DRESSED W/ 1-11/16" GRAPPLE, RIH TAG UP 10144', LATCH ONTO FISH & JAR FREE, POOH, HANGING UO ALL THE WAY OUT OF THE LINER, LD SETTING TOOL & PERF GUNS, RIH W/ WT BARS TO 9950' POOH, CLOSE IN 7" FRAC VALVE, 2 HCR VALVES & NIGHT CAP TOP OF FRAC STACK, CHECK CSG VALVES & FLOW CROSS CLOSED W/ NIGHT CAPS, RD BRAIDED LINE TRUCK SDFN
6/11/2015	6:00 7:00	1.00	STG08	28		P		TRAVEL TO LOCATION, HOLD SAFETY MTG ON WIRE LINE OPERATIONS WRITE & REVIEW JSA'S
	7:00 10:00	3.00	STG08	21		P		SPOT IN & RU ELINE, RIH & SET 5" CBP @ 9878' & CONT PERFINING STG 8 PERFS FROM 9774' TO 9613' USING 2-3/4" TITAN PERFECTA SDP, 16 GM CHARGES, 3 SPF @ 120 DEG PHASING, STARTING PRESSURE 500 PSI, ENDING PRESSURE 500 PSI, POOH SWI & TURN OVER TO FRAC CREW ALL OF STG 8 PERFS ARE 9870'-9613'
	10:00 12:00	2.00	STG08	35		P		PRESSURE TEST PUMP LINES TO 9490 PSI. OPEN WELL. SICP 485 PSI. BREAK DOWN STAGE 8 PERFORATIONS @ 3293 PSI, PUMPING 10 BPM. BRING RATE UPTO 38 BPM. PUMP 127 TTL BBLs FLUID THEN PERFORM STEP RATE SHUT DOWN. ISIP 3021 PSI. FG .74. 5 MIN 2104 PSI. 10 MIN 1444 PSI & 15 MIN 1046 PSI. TREAT STAGE 8 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000LBS 100 MESH SAND IN 1/2 PPG STAGE & 150,200 LBS TLC 30/50 SAND IN 1/2 PPG, 1 PPG, 2 PPG & 3 PPG STAGES. ISIP 3455 PSI. FG .78. AVG RATE 75.1 BPM. MAX RATE 75.7 BPM. AVG PSI 3762 PSI. MAX PSI 5483 PSI. SHUT IN WELL, CLOSE 7" 10K FRAC VALVE, 2 HCR VALVES & NIGHT CAP TOP OF STACK, VERIFY FLOW CROSS & CSG VALVES CLOSED & NIGHT CAPPED. 3894 BBLs FLUID TO RECOVER.
	12:00 15:00	3.00	RDMO	02		P		RIG DWN & MOVE OFF LOCATION W/ WIRE LINE & FRAC EQUIP
	15:00 19:00	4.00	MIRU	01		P		MI & PARTIALLY RU C & J 2" COIL TBG UNIT, SDFN
6/12/2015	6:00 7:30	1.50	CTU	28		P		TRAVEL TO LOC HOLD SAFETY MTG ON COIL TBG OPERATIONS WRITE & REVIEW JSA'S

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:30 9:00	1.50	CTU	16		P		CONT RU COIL TBG EQUIP, MU COIL CONNECTOR, PULL & PRESSURE TEST, MU MTR ASSY W/ 4-1/8" JZ ROCK BIT, FUNCTION TEST MTR ASSY, NU CT BOP, PRESSURE TEST STACK & FLOW BACK LINES TO 7500 PSI
	9:00 18:00	9.00	CTU	39		P		OPEN WELL @ 1350 PSI, RIH W/ CT PUMPING 1/2 BPM, RETURNING 1/2 BPM, CHANGE PUMP RATE & LT TO 2-1/2 BPM & RETURNING 3-1/2 BPM, CONT RIH DRILLING OUT 5" CBP'S @ 9878', 10190', 10456', 10796', 11066', 11392', 11616', PUMPING 10 BBL SWEEPS AFTER EACH PLUG, CONT RIH & CLEAN OUT TO LANDING COLLAR @ 11999' CTM, CIRC 1 HR ON BTM & 1 HR @ LINER TOP, POOH W/ CT, LD MTR ASSY, BLOW COIL TBG DRY, RD COIL TBG EQUIP
	18:00 6:00	12.00	FB	19		P		OPEN WELL TO FLOW BACK TANK ON 10/64 CHOKE, TURN WELL OVER TO FLOW BACK CREW
6/13/2015	6:00 6:00	24.00	INARTLT	19		P		HOLD SAFETY MTG ON CHANGING & CLEANING CHOKE, WRITE & REVIEW JSA'S, WELL FLOWING @ 2150 PSI, 0 OIL, 560 BBLs WATER & 0 MCF
6/14/2015	6:00 6:00	24.00	FB	19		P		HOLD SAFETY MTG ON CLIMBING STAIR WAYS WRITE & REVIEW JSA'S, WELL FLOWING @ 2200 PSI ON 12/64 CHOKE, FLOWED 41 BBLs OIL, 511 BBLs WTR & 93 MCF
6/15/2015	6:00 6:00	24.00	FB	19		P		HOLD SAFETY MTG ON PROPPER PPE, WRITE & REVIEW JSA'S, WELL FLOWING @ 2100 PSI ON 12/64 CHOKE FLOWED 185 BBLs OIL, 335 BBLs WATER & 289 MCF
6/16/2015	6:00 7:30	1.50	WLWORK	28		P		TRAVEL TO LOC HOLD SAFETY MTG ON USING TAG LINES, WRITE & REVIEW JSA'S
	7:30 9:30	2.00	WLWORK	20		P		RU WIRE LINE, RIH W/ 5" ASX-1 PKR & SET @ 9210'. POOH & RD WIRE LINE
	9:30 11:00	1.50	FB	19		P		BLOW DWN WELL RECOVERING 44 BBLs OIL, 78 BBLs WATER & 242 MCF
	11:00 13:30	2.50	WOR	16		P		ND FRAC STACK TO 7" 10K FRAC VALVE, NU 10K X 5K SPOOL & 5K BOP, MIRU PEAK 1700
	13:30 17:30	4.00	WOR	24		P		TALLY MU & RIH W/ 5" ON-OFF SKIRT, PU 5 JTS 2-3/8" EUE N-80 TBG, 2-7/8" X 2-3/8" EUE X OVER & 272 JTS 2-7/8" EUE L-80 TBG, EOT @ 9100', SECURE WELL CLOSE & LOCK PIPE RAMS, CLOSE & NIGHT CAP CSG & TIW VALVES SDFN
6/17/2015	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON CLEAN WORK AREA & SLIPS & TRIPS, WRITE & REVIEW JSA'S
	7:30 10:00	2.50	WOR	06		P		TIH W/ 4 JTS 2-7/8" TBG, LATCH ONTO PKR & J-OFF, LD 1 JT 2-7/8" TBG & CIRC WELL BORE W/ 320 BBLs 2% KCL MIXED W/ PKR FLUID
	10:00 12:00	2.00	WOR	18		P		POOH W/ 1 JT 2-7/8" TBG, SPACE OUT RIH W/ 10' X 2-7/8" N-80 TBG SUB, 1 JT 2-7/8" EUE L-80 TBG, LATCH ONTO PKR & PULL TEST TO 25K WHEN PKR JUMPED UP HOLE 5', ATTEMPT TO J-OFF PKR NO LUCK, PKR JUMPS UP HOLE BUT WILL NOT GO DWN, CSG STARTED FLOWING, CONT DRAGGING PKR UP HOLE, LAY DWN TOP JT 2-7/8" TBG, CENTER ELEMENT OF PKR @ 9164" & EOT @ 9171'
	12:00 15:00	3.00	WOR	18		P		MU 2-7/8" TBG FLANGE & NU PRODUCTION TREE, LEAVING 5K BOPS W/ PIPE RAMS SHUT & LOCKED, 7" 10K MASTER FRAC VALVE ON WELL HEAD, PLUMB FLOW LINES & TEST TO 4500 PSI, RIG DWN RIG, PUMP OUT TBG PLUG IN PKR @ 2100 PSI, TURN WELL OVER TO FLOW BACK CREW ON 14/64 CHOKE @ 1650 PSI FLOWING UP TBG, CSG SHUT IN PRESSURE WENT TO 500 PSI & HOLDING, SDFN
6/18/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOC HOLD SAFETY MTG ON, USING TAG LINES, WRITE & REVIEW JSA'S

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:30 9:00	1.50	MIRU	01		P		WAIT ON ORDERS, SPOT IN WORK OVER RIG PEAK 1700 & RIG UP
	9:00 12:00	3.00	WOR	18		P		SHUT WELL IN @ 9:00 AM @ 2100 PSI ON TBG & 2050 PSI ON CSG, WAIT ON HEAVY HAULER TO MOVE RIG'S PUMP & TANK TO LOC
	12:00 15:00	3.00	WOR	18		P		RU PUMP LINES & FLOW BACK LINES SDFN, LEAVE WELL SHUT IN FINAL TBG PRESSURE GAUGE 2600 PSI @ 15:00
	15:00 6:00	15.00	WOR	19		P		LEAVE WELL SHUT IN 2600 PSI, SHUT DWN FOR NIGHT, TBG PRESSURE 2600 PSI, CSG PRESSURE 2200 PSI
6/19/2015	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON STAYING CLEAR OF ENERGIZED LINES W/ PRESSURE ON THEM, WRITE & REVIEW JSA'S
	7:30 11:00	3.50	WOR	15		P		3000 PSI SITP, 1900 SICP, CIRC & STIR MUD IN FRAC TANK, PUMP 56 BBLS 12.4# MUD DWN TBG, TBG ON VACUME, BLEED DWN CSG TO FLOW BACK TANK CSG 0 PSI
	11:00 13:00	2.00	WOR	18		P		RD FLOW LINES, RU WORK FLOOR & TBG TONGS, ND FLOW TREE, STRIP IN DRILLING RUBBER, WORK PKR FREE
	13:00 14:00	1.00	WOR	39		P		POOH LD 10' X 2-7/8" TBG SUB, POOH & LD 2 JTS 2-7/8" TBG, CSG STARTED FLOWING, CONT TOOH & STAND BACK IN DERRICK W/ 62 JTS 2-7/8" TBG EOT @ 7059'
	14:00 15:30	1.50	WOR	15		P		CIRC WELL W/ 246 BBLS 12.4# DRILLING MUD DWN TBG RETURNING UP CSG TO FLOW BACK TANK
	15:30 17:00	1.50	WOR	39		P		TOOH W/ 58 JTS 2-7/8" TBG CSG STARTED FLOWING, EOT @ 5197'
	17:00 20:30	3.50	WOR	15		P		BULL HEAD 12.4# MUD SWITCHING FROM CSG & TBG SHUT DWN WATCH PRESSURE & BULL HEADING MULTIPLE TIMES & ATTEMPTING TO BLEED DWN, FINAL BLEED DWN WAS ABLE TO BLEED CSG DWN TO 300 PSI & TBG TO 0 PSI, BULL HEAD 20 BBLS MUD DWN CSG SHUT CSG IN W/ 1900 PSI & TBG 1100 PSI, CLOSE & LOCK PIPE RAMS, CSG VALVES SHUT & NIGHT CAPPED TIW VALVE CLOSE W/ NIGHT CAP SDFN 426 TOTAL BBLS 12.4# MUD PUMPED TODAY
6/20/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON WELL CONTROL. FILL OUT & REVIEW JSA
	7:30 14:30	7.00	WOR	15		P		SITP 0 PSI. SICP 300 PSI. BLEED GAS PRESSURE OFF CSG SLOWLY . AT 150 PSI STARTED SEEING FLUID. BULL HEAD 55 BBLS 12.4 PPG DRILLING MUD DOWN CSG. CSG PRESSURE CLIMBED TO 1800 PSI. WAIT 1 HR. PRESSURE DROPPED TO 1200 PSI. BULL HEAD 70 BBLS 12.4 PPG DRILLING MUD DOWN CSG. PRESSURE CLIMBED TO 2500 PSI. WAIT 1 HR. CSG PRESSURE DROPPED TO 2150 PSI. TBG PRESSURE DROPPED TO 2100 PSI.. SLOWLY BLEED PRESSURE OFF CSG. TBG PRESSURE DROPPED TO 0 PSI ALSO.
	14:30 16:00	1.50	WOR	39		P		TOOH W/ 153 JTS 2-7/8"EUE TBG, X-OVER, 5 JTS 2-3/8"EUE TBG, ON/OFF SKIRT & PKR ASSEMBLY, FILLING CSG AFTER EACH ROW OF TBG PULLED. J-LUGS ON PKR WERE SHEARED.
	16:00 18:30	2.50	WLWORK	27		P		RU WIRELINE UNIT. RIH & SET PKR W/ PUMP OUT PLUG @ 9240'. RD WIRE LINE UNIT. TURN WELL OVER TO FLOW BACK CREW
	18:30 6:00	11.50	WOR	19		P		MONITOR CSG PRESSURE. SAW NO PRESSURE BUILD UP OR FLOW OVERNIGHT.
6/21/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON TRIPPING TBG. FILL OUT & REVIEW JSA

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:30 17:00	9.50	WOR	39		P		SITP 0 PSI. SICP 0 PSI. MU 5" PKR ASSEMBLY & TIH W/ 278 JTS 2-7/8"EUE TBG, STOPPING TO REVERSE CIRCULATE DRILLING MUD FROM WELL BORE AFTER RUNNING 60 TO 100 JTS, SO AS NOT TO OVER PRESSURE WELL & PUMP PLUG OUT OF WIRELINE SET PKR. PUMPED 475 TTL BBLs TREATED KCL WTR. STILL SEEING DRILLING MUD IN RETURNS. TOOH W/ 5 JTS 2-7/8"EUE TBG. EOT @ 9065'. CLOSE WELL IN W/ PIPE RAMS CLOSED & LOCKED, TIW VALVE INSTALLED IN TBG & CAPPED & CSG VALVES CLOSED & LOCKED
	17:00 6:00	13.00	WOR	19		P		MONITOR TBG & CSG PRESSURE
6/22/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON CIRCULATING WELL. FILL OUT & REVIEW JSA
	7:30 11:00	3.50	WOR	06		P		BREAK REVERSE CIRCULATION & CIRCULATE WELL BORE CLEAN W/ 325 BBLs PKR FLUID. TIH W/ 4 JTS 2-7/8"EUE TBG. TAG WIRELINE SET PKR & PICKUP 2'. REVERSE CIRCULATE WELL W/ 70 BBLs PKR FLUID, 495 BBLs TTL
	11:00 14:00	3.00	WOR	16		P		SET PKR @ 9198' (CE). PRESSURE TEST ANNULUS TO 1000 PSI FOR 15 MINUTES. TESTED GOOD. TEMPORARILY LAND TBG. ND BOP STACK. PU TBG & REMOVE 6' PUP JT FROM BELOW TBG HANGER. LAND TBG IN 10K TENSION. NU WELL HEAD. PRESSURE TEST WELL HEAD & FLOWLINES TO 5000 PSI FOR 15 MINUTES. TESTED GOOD. PUMP OUT PLUG IN WIRELINE SET PKR @ 3800 PSI. TURN WELL OVER TO FLOW BACK CREW. OPEN WELL ON A 14/64" CHOKE. TBG PSI 1850 PSI.
	14:00 6:00	16.00	WOR	19		P		FLOW WELL RECOVERED 0 MCF GAS, 97 BBLs OIL & 427 BBLs WTR ON A 14/64 " CHOKE. TBG PRESSUR @ REPORT TIME 2125 PSI

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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: Circle B 2-3C5
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002		9. API NUMBER: 43013532780000
PHONE NUMBER: 713 997-5138 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1927 FSL 1834 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 03 Township: 03.0S Range: 05.0W 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: 1/15/2016	<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 type="text"/>

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

The Circle B 2-3C5 was directionally drilled due to finding out that the Ute 1-2C5 (43-013-30392) originally drilled in 1977 was not spotted correctly on all public maps. The correct location determined by satellite maps just prior to the spudding of the Circle B 2-3C5 indicated the Ute 1-2C5 surface location was only ~1,100' (instead of ~2,400' that all maps indicated) from the Circle B 2-3C5 location.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
June 07, 2016**

NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 5/20/2016	