

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 Duchesne City 2-19C4								
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') Duchesne City Corporation						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-738-2464								
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 500 East Main Street, Duchesne, UT 84021						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')								
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>								
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN		
LOCATION AT SURFACE		1000 FNL 2050 FWL		NENW		19		3.0 S		4.0 W		U		
Top of Uppermost Producing Zone		1000 FNL 2050 FWL		NENW		19		3.0 S		4.0 W		U		
At Total Depth		1000 FNL 2050 FWL		NENW		19		3.0 S		4.0 W		U		
21. COUNTY DUCHEсне			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1000			23. NUMBER OF ACRES IN DRILLING UNIT 640								
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 5280			26. PROPOSED DEPTH MD: 11800 TVD: 11800								
27. ELEVATION - GROUND LEVEL 5867			28. BOND NUMBER 400JU0708			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Duchesne City								
Hole, Casing, and Cement Information														
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight				
COND	20	13.375	0 - 600	54.5	J-55 ST&C	8.8	Class G	758	1.15	15.8				
SURF	12.25	9.625	0 - 2400	40.0	N-80 LT&C	9.4	Unknown	294	3.16	11.0				
							Unknown	191	1.33	14.3				
I1	8.75	7	0 - 8700	29.0	HCP-110 LT&C	10.5	Unknown	308	3.1	11.0				
							Unknown	91	1.91	12.5				
L1	6.125	5	8500 - 11800	18.0	P-110 ST-L	13.2	Unknown	195	1.47	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 11/13/2013				EMAIL maria.gomez@epenergy.com						
API NUMBER ASSIGNED 43013526690000				APPROVAL  Permit Manager										

**Duchesne City 2-19C4
Sec. 19, T3S, R4W
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)	3,900' TVD
Green River (GRTN1)	4,686' TVD
Mahogany Bench	5,586' TVD
L. Green River	6,846' TVD
Wasatch	8,726' TVD
T.D. (Permit)	11,800' TVD

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River (GRRV)	3,900' MD / TVD
	Green River (GRTN1)	4,686' MD / TVD
	Mahogany Bench	5,586' MD / TVD
Oil	L. Green River	6,846' MD / TVD
Oil	Wasatch	8,726' MD / TVD

3. Pressure Control Equipment: (Schematic Attached)

A 4.5" by 20.0" rotating head on structural pipe from surface to 600' MD/TVD. A 4.5" by 13-3/8" Smith Rotating Head from 600' MD/TVD to 2,400' MD/TVD on Conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 2,400' MD/TVD to 8,700' MD/TVD. A 10M BOE w/ rotating head, 5M annular, blind rams & mud cross from 8,700' MD/TVD to TD (11,800' MD/TVD).

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

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi annular will be nipped up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1,500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly

cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with 3-½" pipe rams, blind rams, mud cross and rotating head from intermediate 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:

Precision Rig # 406 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 600' - TD
- B) Mud logger with gas monitor – 2,400' to TD (11,800' MD/TVD)
- C) Choke manifold with one manual and one hydraulic operated choke
- D) Full opening floor valve with drill pipe thread
- E) Upper and lower Kelly cock
- F) Shaker, de-sander and centrifuge

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

Please refer to the attached Wellbore Diagram.

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

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

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

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.8 – 9.4
Intermediate	WBM	9.4 – 10.5
Production	WBM	10.5 – 13.2

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

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

Logs:

Mud Log: 2,400' MD/TVD – TD (11,800' MD/TVD)

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

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 11,800' TVD equals approximately 8,100 psi. This is calculated based on a 0.6864 psi/ft gradient (13.2 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 5,504 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 8,700' TVD = 6,960 psi

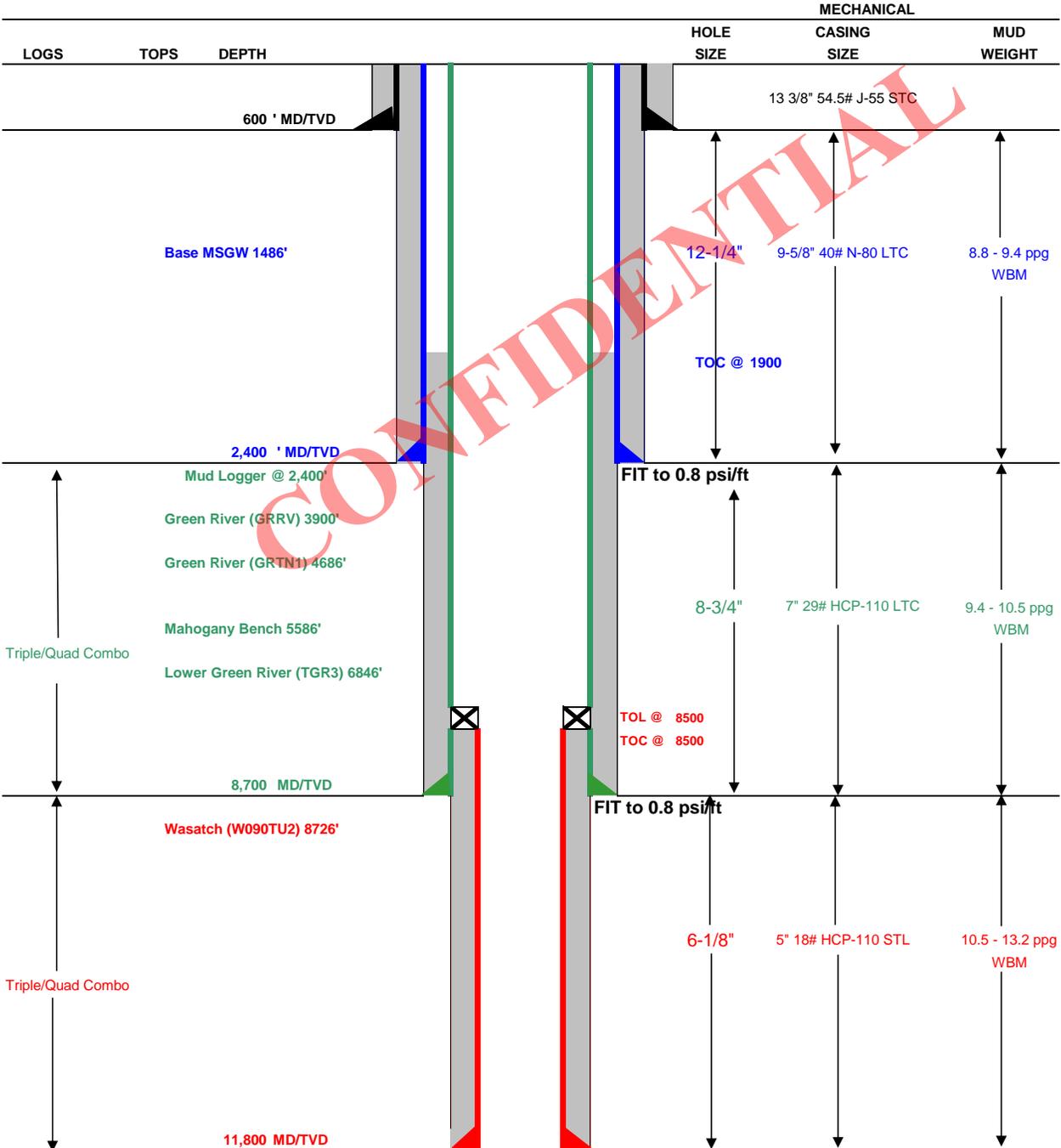
BOPE and casing design will be based on the lesser of the two MASPs which is 5,504 psi.

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



Drilling Schematic

Company Name: EP ENERGY	Date: October 21, 2013
Well Name: Duchesne City 2-19C4	TD: 11,800
Field, County, State: Altamont, Duchesne, Utah	AFE #: TBD
Surface Location: Sec 19 T3S R4W 1000' FNL 2050' FWL	BHL: Straight Hole
Objective Zone(s): Green River, Wasatch	Elevation: 5867.1
Rig: Precision 406	Spud (est.): TBD
BOPE Info: 4.5 x 13 3/8 rotating head from 600' to 2,400' 11 5M BOP stack and 5M kill lines and choke manifold used from 2,400' to 8,700' 11 10M BOE w/rotating head, 5M annular, pipe rams, blind rams & mud cross from 8,700' to TD	



DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	600	54.5	J-55	STC	2,740	1,130	514
SURFACE	9-5/8"	0	2400	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0	8700	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5'	8500	11800	18.00	HCP-110	STL	13,950	14,360	495

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		600	Class G + 3% CACL2	758	100%	15.8 ppg	1.15
SURFACE	Lead	1,900	EXTENDACEM (TM) SYSTEM: 5 lbm/sk Silicalite Compacted + 0.25 lbm/sk Kwik Seal + 0.125 lbm/sk Poly-E-Flake + 2% Bentonite	294	75%	11.0 ppg	3.16
	Tail	500	HALCEM (TM) SYSTEM: 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.5% HR-5	191	50%	14.3 ppg	1.33
INTERMEDIATE	Lead	5,800	EXTENDACEM (TM) SYSTEM: 2% Cal-Seal 60 + 5 lbm/sk Silicalite Compacted + 0.35% Versaset + 0.3% D-Air 5000 + 2.5% Econolite + 0.25 lbm/sk Poly-E-Flake + 1 lbm/sk Granulite TR 1/4	308	10%	11.0 ppg	3.10
	Tail	1,000	EXPANDACEM (TM) SYSTEM: 0.2% Econolite + 0.3% Versaset + 0.9% HR-5 + 0.3% Super CBL + 0.2% Halad(R)-322 + 0.125 lbm/sk Poly-E-Flake	91	10%	12.5 ppg	1.91
PRODUCTION LINER		3,300	EXTENDACEM (TM) SYSTEM: 0.3% Super CBL + 0.1% SA-1015 + 0.3% Halad(R)-413 + 0.5% SCR-100 + 0.125 lbm/sk Poly-E-Flake + 3 lbm/sk Silicalite Compacted + 20% SSA-1	195	25%	14.20	1.47

FLOAT EQUIPMENT & CENTRALIZERS	
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at 6,800'.
LINER	Float shoe, 1 joint, float collar. Thread lock all FE. Maker joints every 1000'.

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

MANAGER: Tommy Gaydos

EP ENERGY E&P COMPANY, L.P.
DUCHESNE CITY 2-19C4
SECTION 19, T3S, R4W, U.S.B.&M.

PROCEED NORTH ON PAVED STATE HIGHWAY 87 FROM THE INTERSECTION OF HIGHWAY 87 WITH U.S. HIGHWAY 40 IN DUCHESNE, UTAH APPROXIMATELY 3.51 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL EASTERLY 0.39 MILES ON EXISTING GRAVEL COUNTY ROAD TO THE BEGINNING OF THE PROPOSED ACCESS ROAD;

TURN RIGHT AND FOLLOW ROAD FLAGS SOUTH 0.14 MILES TO THE PROPOSED WELL LOCATION;

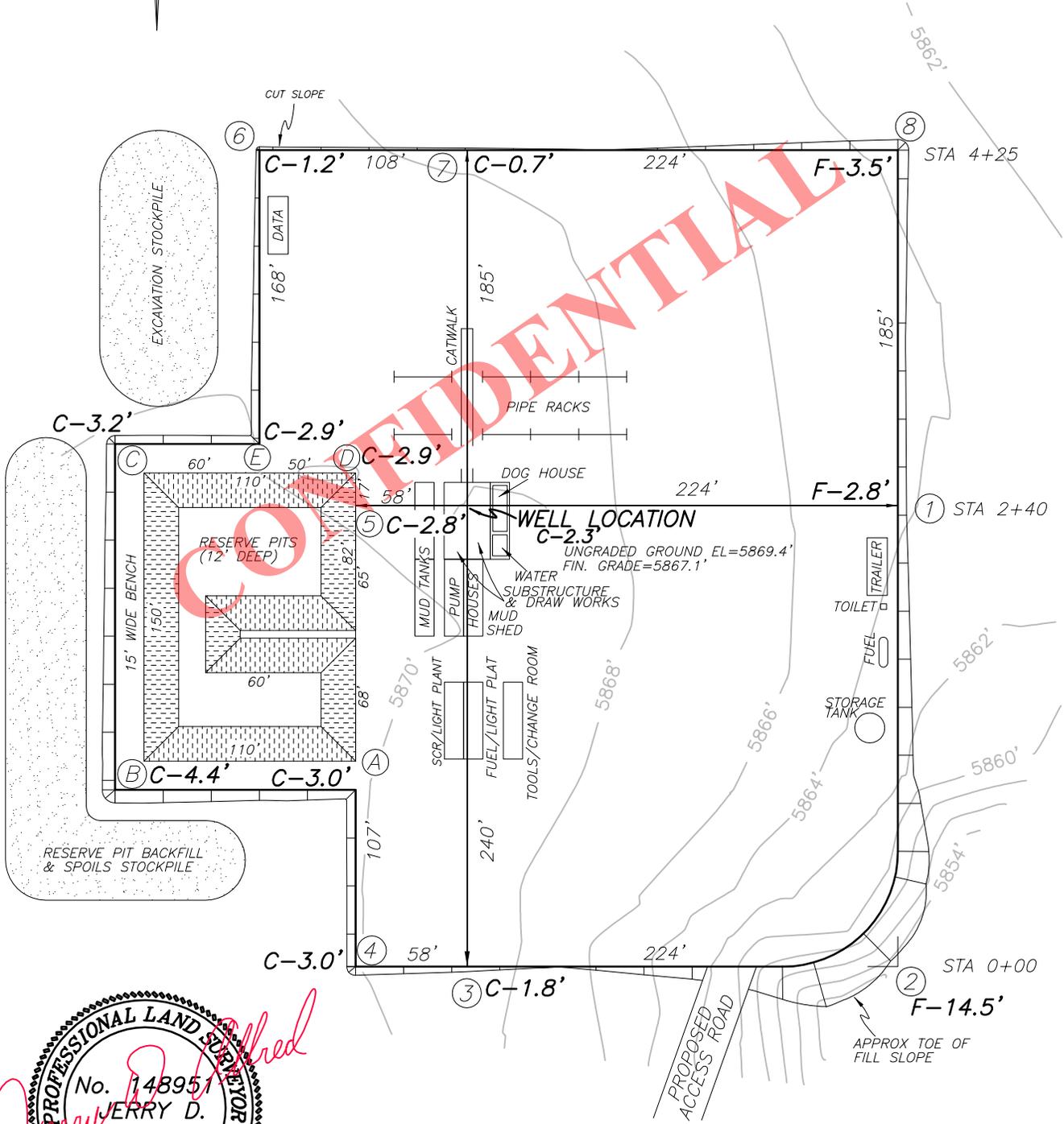
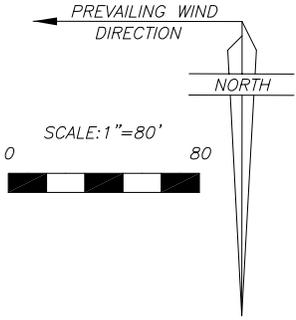
TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 4.04 MILES.

CONFIDENTIAL

EP ENERGY E & P COMPANY, L.P.

FIGURE #1

LOCATION LAYOUT FOR
DUCHESNE CITY 2-19C4
SECTION 19, T3S, R4W, U.S.B.&M.
1000' FNL, 2050' FWL



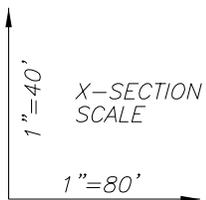
Jerry D. Allred
PROFESSIONAL LAND SURVEYOR
 No. 148951
JERRY D. ALLRED
 28 JUN '13
 STATE OF UTAH

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

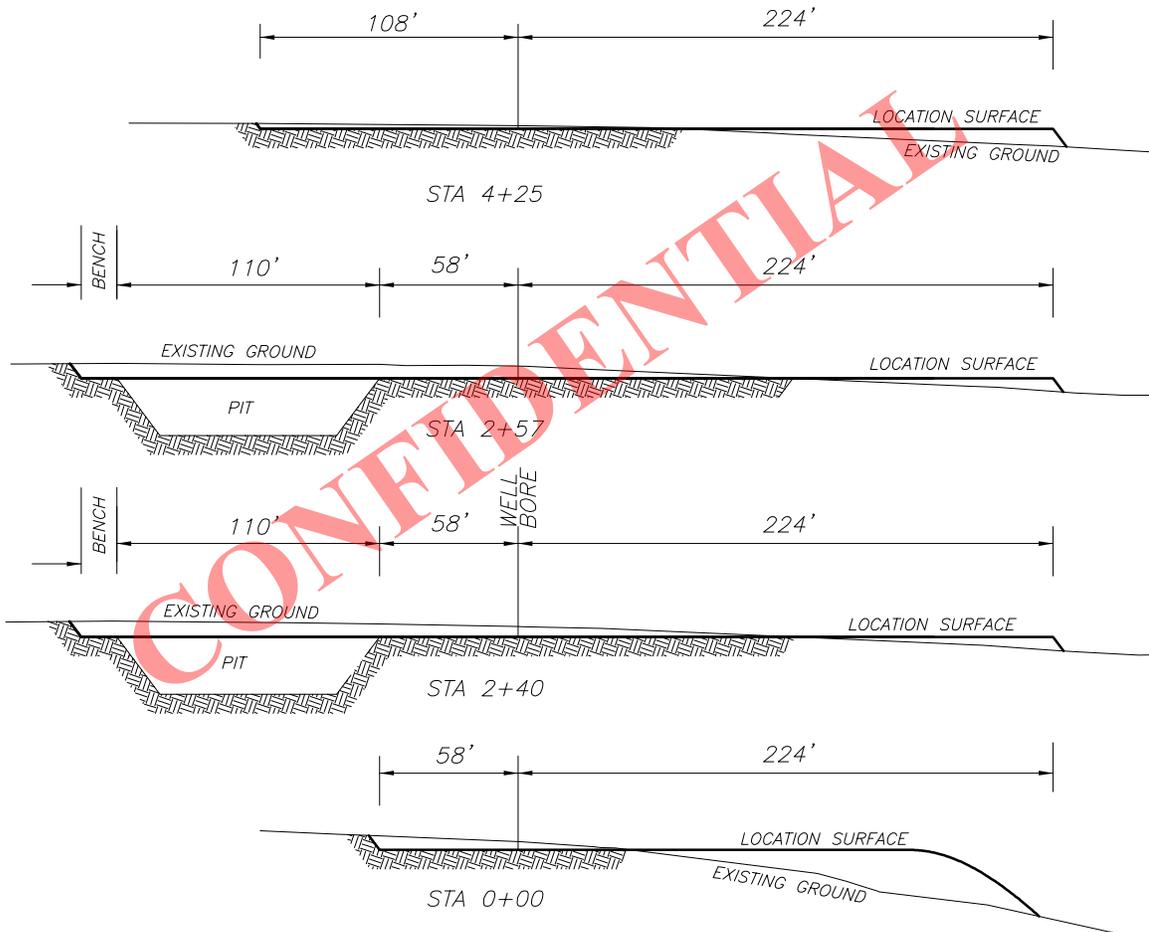
EP ENERGY E & P COMPANY, L.P.

FIGURE #2

LOCATION LAYOUT FOR
 DUCHESNE CITY 2-19C4
 SECTION 19, T3S, R4W, U.S.B.&M.
 1000' FNL, 2050' FWL



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



APPROXIMATE YARDAGES

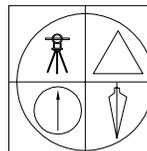
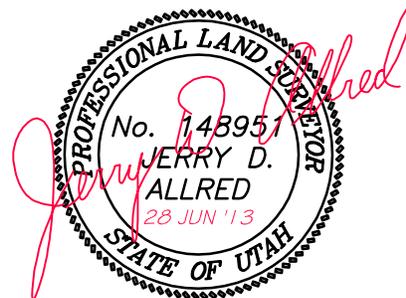
TOTAL CUT (INCLUDING PIT) = 13,677 CU. YDS.

PIT CUT = 4955 CU. YDS.
 TOPSOIL STRIPPING: (6") = 2930 CU. YDS.
 REMAINING LOCATION CUT = 5792 CU. YDS

TOTAL FILL = 5,792 CU. YDS.

LOCATION SURFACE GRAVEL=1495 CU. YDS. (4" DEEP)

ACCESS ROAD GRAVEL=290 CU. YDS.



JERRY D. ALLRED & ASSOCIATES
 SURVEYING CONSULTANTS

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

REV 28 JUN 2013

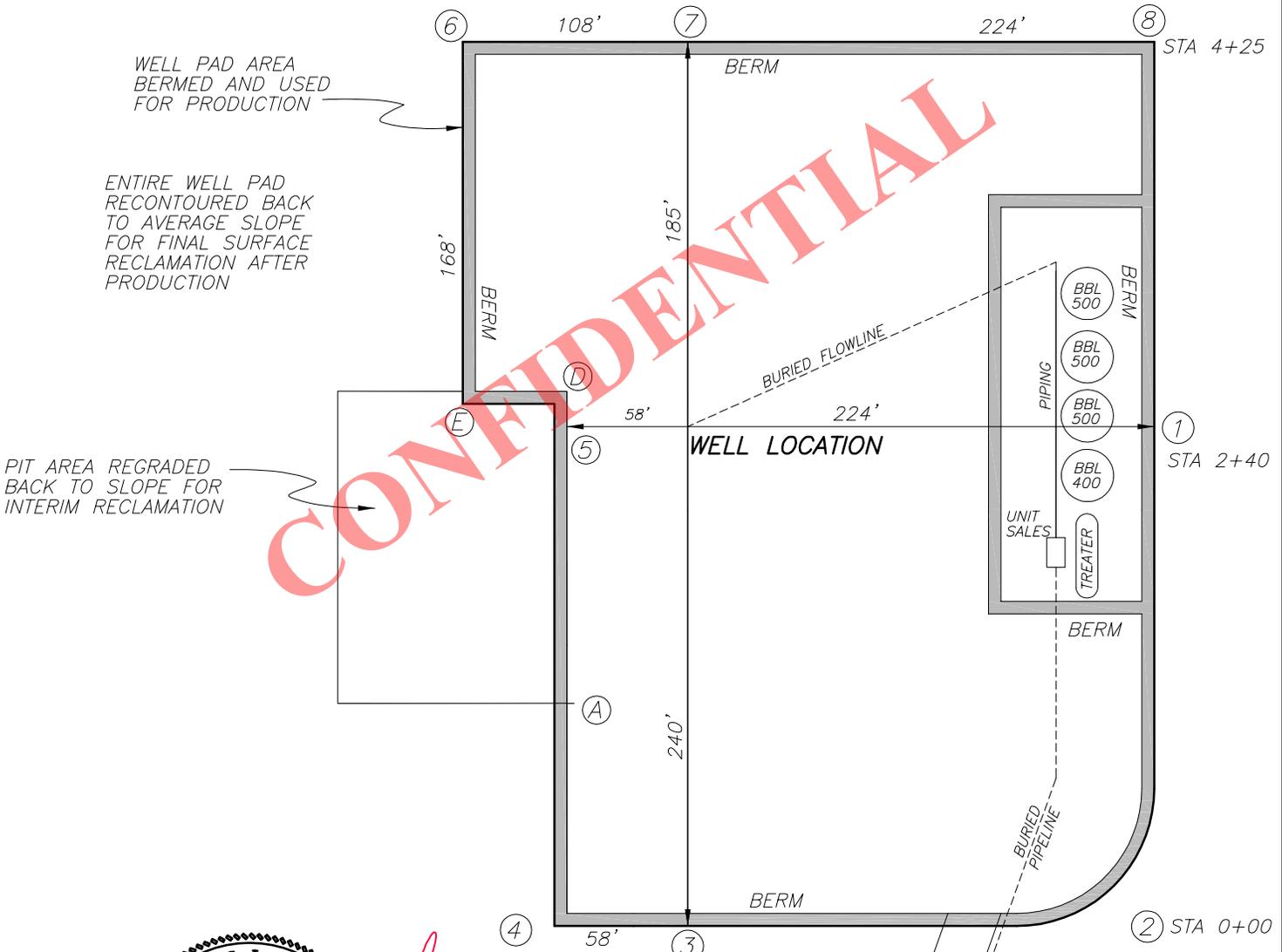
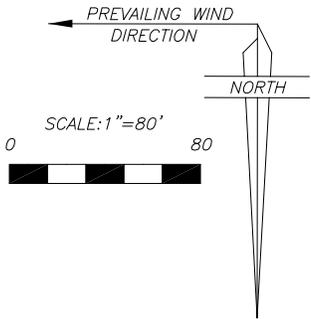
01-128-392

RECEIVED: October 28, 2013

EP ENERGY E & P COMPANY, L.P.

FIGURE #3

LOCATION LAYOUT FOR
DUCHESNE CITY 2-19C4
SECTION 19, T3S, R4W, U.S.B.&M.
1000' FNL, 2050' FWL



WELL PAD AREA
BERMED AND USED
FOR PRODUCTION

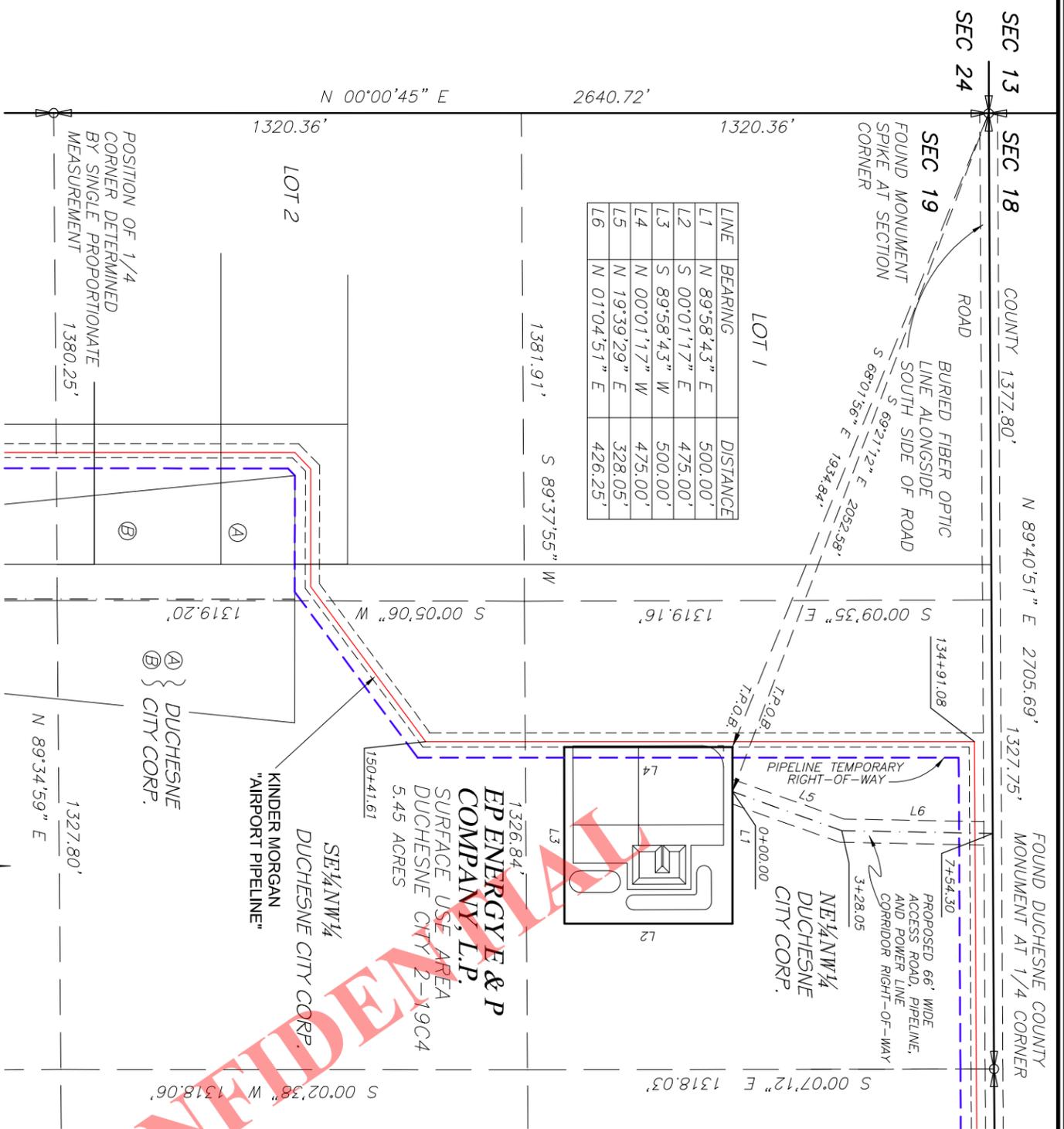
ENTIRE WELL PAD
RECONTOURED BACK
TO AVERAGE SLOPE
FOR FINAL SURFACE
RECLAMATION AFTER
PRODUCTION

PIT AREA REGRADED
BACK TO SLOPE FOR
INTERIM RECLAMATION



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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



LINE	BEARING	DISTANCE
L1	N 89°58'43" E	500.00'
L2	S 00°01'17" E	475.00'
L3	S 89°58'43" W	500.00'
L4	N 00°01'17" W	475.00'
L5	N 19°39'29" E	328.05'
L6	N 01°04'51" E	426.25'



SCALE: 1"=400'



LOCATION USE AREA AND ACCESS ROAD, POWER LINE, AND PIPELINE
CORRIDOR RIGHT-OF-WAY SURVEY FOR
EP ENERGY E&P COMPANY, L.P.
DUCHESSNE CITY 2-19C4
SECTION 19, T3S, R4W, U.S.B.&M.
DUCHESSNE COUNTY, UTAH

USE AREA BOUNDARY DESCRIPTION

Commencing at the NW Corner of Section 19, Township 3 South, Range 4 West of the Uintah Special Base and Meridian:
Thence South 68°01'56" East 1934.84 feet to the TRUE POINT OF BEGINNING;
Thence North 89°58'43" East 500.00 feet;
Thence South 00°01'17" East 475.00 feet;
Thence South 89°58'43" West 500.00 feet;
Thence North 00°01'17" West 475.00 feet to the TRUE POINT OF BEGINNING, containing 5.45 acres.

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

A 66 feet wide access road, pipeline, and power line corridor right-of-way over portions of Section 19, Township 3 South, Range 4 West of the Uintah Special Base and Meridian, the centerline of which is further described as follows:
Commencing at the NW Corner of said Section 19;
Thence South 69°21'12" East 2052.58 feet to a point on the North line of the Area Use Boundary of the E.P. Energy E&P Co. Duchesne City 2-19C4 location, which is the TRUE POINT OF BEGINNING;
Thence North 19°39'29" East 328.05 feet;
Thence North 01°04'51" East 426.25 feet to the North line of said Section 19, which is the centerline of a County Road.
Said right-of-way being 754.30 feet in length, with the sidelines being shortened or elongated to intersect said use boundary and existing road right-of-way lines.

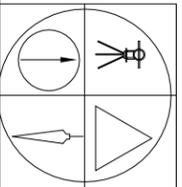
SURVEYOR'S CERTIFICATE

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

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

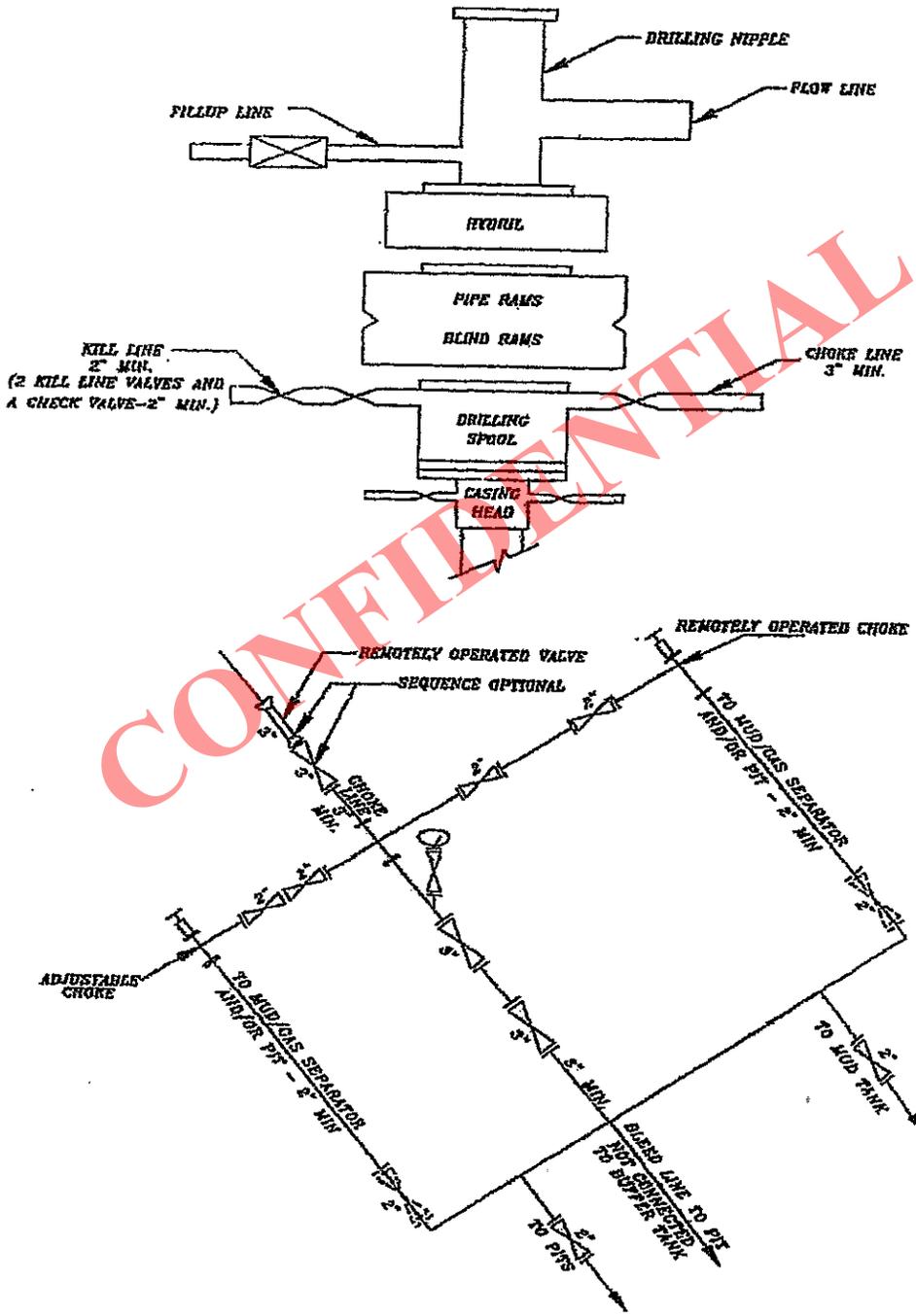


THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT
THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SECTION CORNER LOCATED AT LAT. 40°15'22.90258"N AND LONG. 110°23'21.19760"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

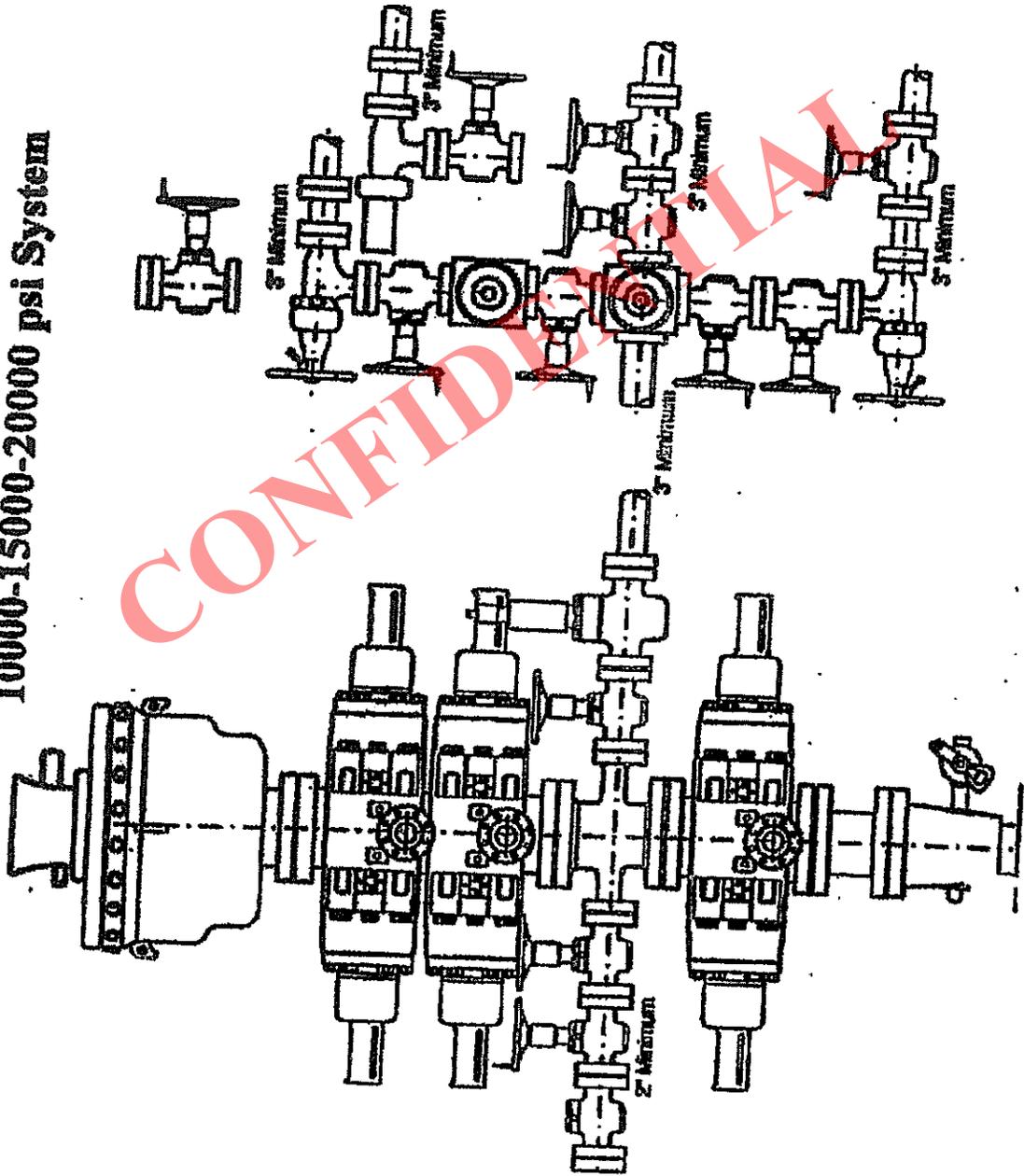


JERRY D. ALLRED AND ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESSNE, UTAH 84021
(435) 738-5352

5M BOP STACK and CHOKE MANIFOLD SYSTEM



10000-15000-20000 psi System

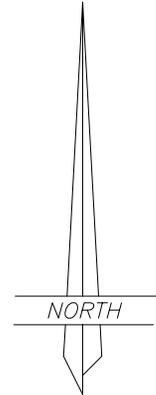
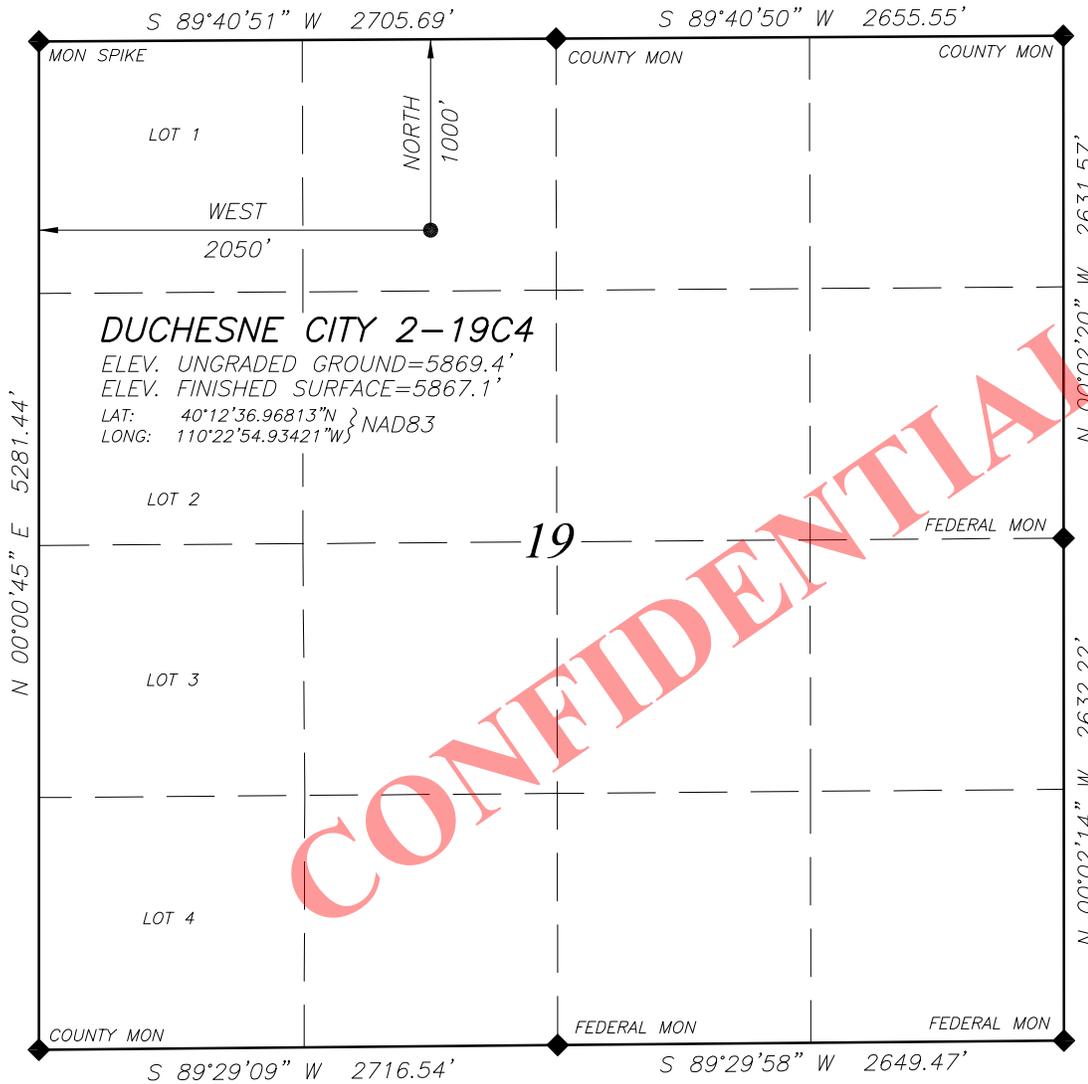


EP ENERGY E & P COMPANY, L.P.

WELL LOCATION

DUCHESNE CITY 2-19C4

LOCATED IN THE NE¼ OF THE NW¼ OF SECTION 19, T3S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH



SCALE: 1" = 1000'



NOTE:
 NAD27 VALUES FOR
 WELL POSITION:
 LAT: 40.21031188° N
 LONG: 110.38121520° W

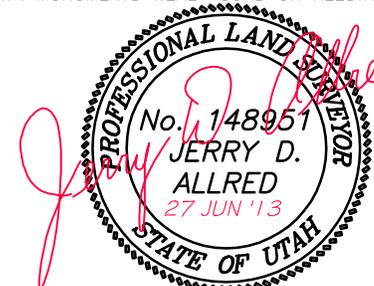
SURVEYOR'S CERTIFICATE

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

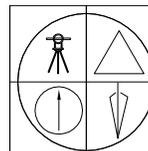
LEGEND AND NOTES

- ◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY
 THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP
 THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT
 THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT A SECTION CORNER LOCATED AT LAT. 40°15'22.90258"N AND LONG. 110°23'21.19760"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

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

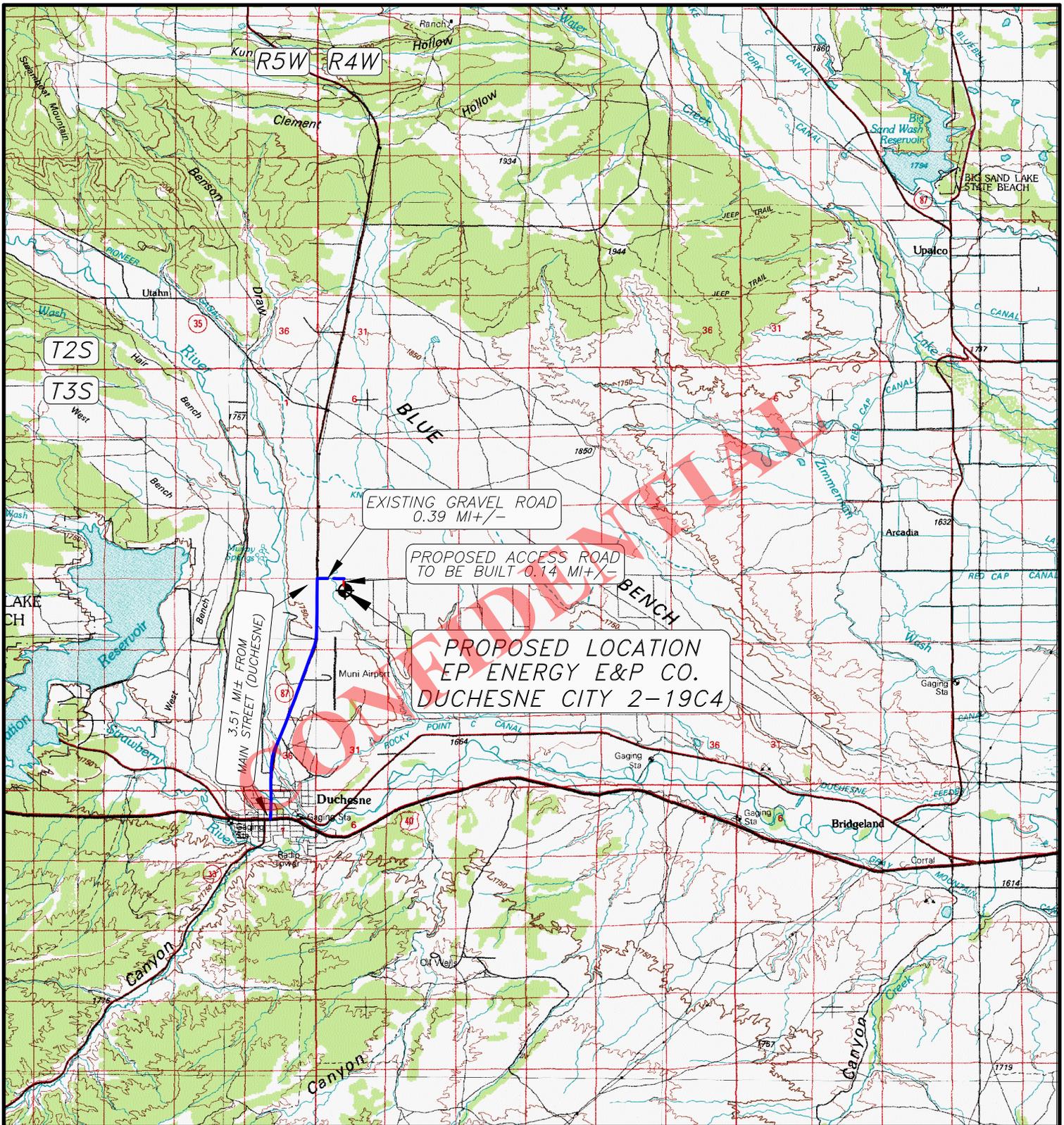


JERRY D. ALLRED, REGISTERED LAND SURVEYOR, CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES
 SURVEYING CONSULTANTS

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



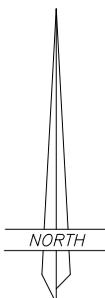
LEGEND:

 PROPOSED WELL LOCATION

01-128-392

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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



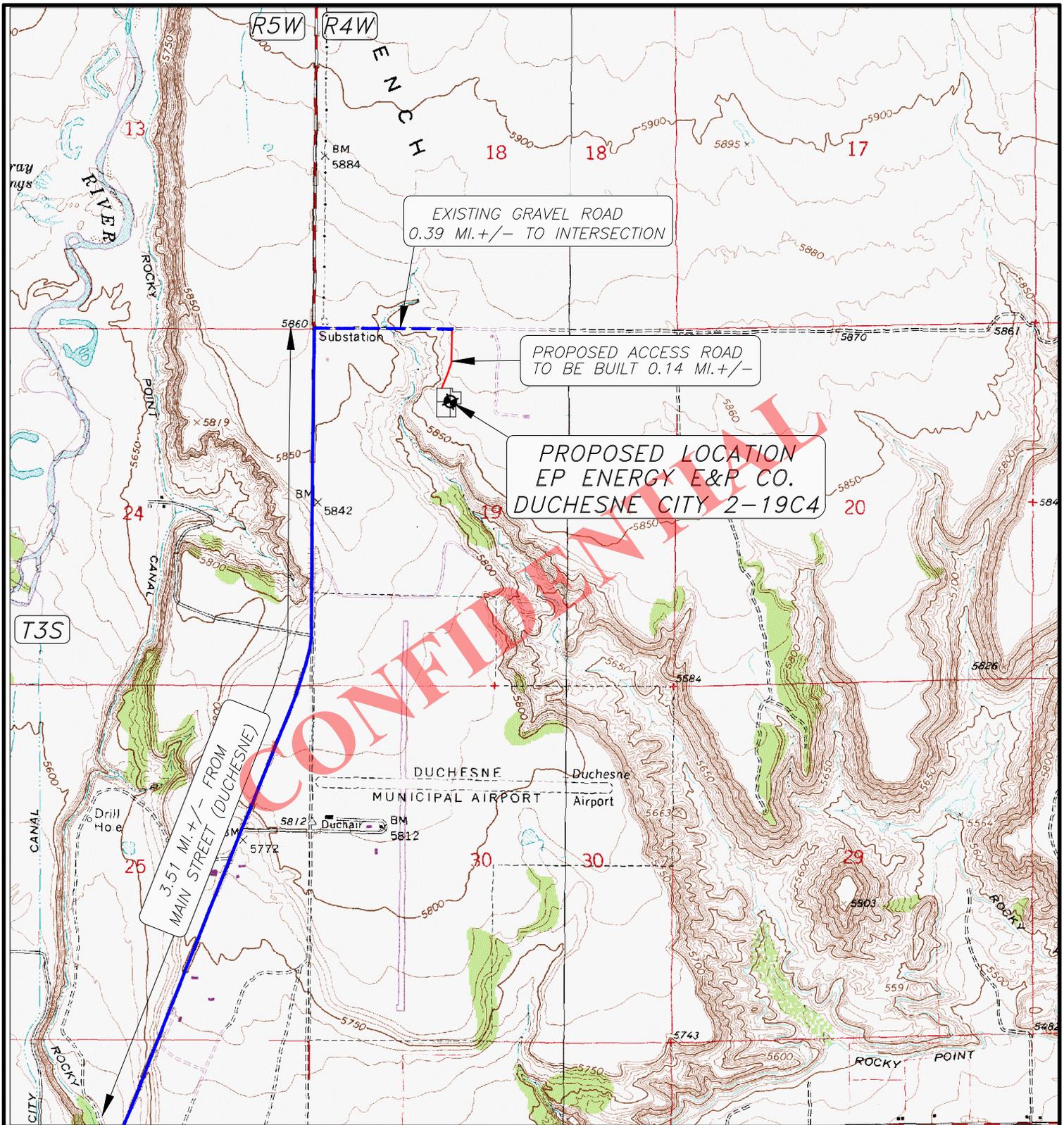
EP ENERGY E&P COMPANY, L.P.

DUCHESNE CITY 2-19C4
SECTION 19, T3S, R4W, U.S.B.&M.

1000' FNL 2050' FWL

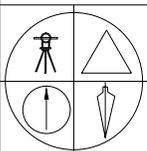
TOPOGRAPHIC MAP "A"

SCALE; 1"=10,000'
5 FEB 2014



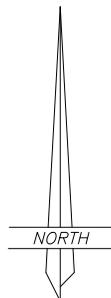
LEGEND:

-  PROPOSED WELL LOCATION
 -  PROPOSED ACCESS ROAD
 -  EXISTING GRAVEL ROAD
 -  EXISTING PAVED ROAD
- 01-128-392



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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



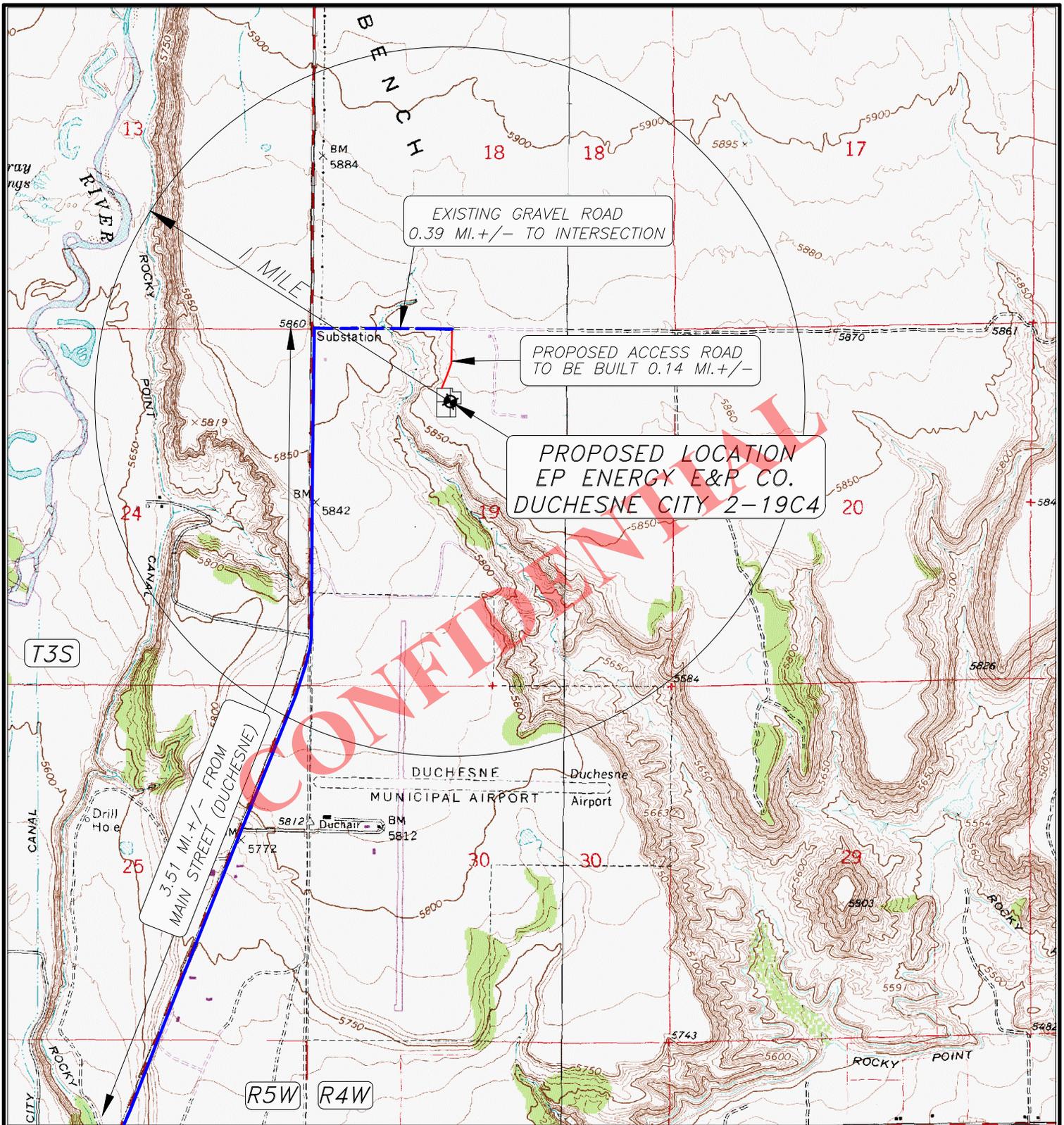
EP ENERGY E&P COMPANY, L.P.

DUCHESNE CITY 2-19C4
SECTION 19, T3S, R4W, U.S.B.&M.

1000' FNL 2050' FWL

TOPOGRAPHIC MAP "B"

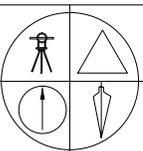
SCALE: 1"=2000'
5 FEB 2014



LEGEND:

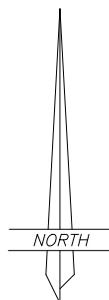
- PROPOSED WELL LOCATION
- OTHER WELLS AS LOCATED FROM SUPPLIED MAP

01-128-392



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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



EP ENERGY E&P COMPANY, L.P.

DUCHESNE CITY 2-19C4
SECTION 19, T3S, R4W, U.S.B.&M.

1000' FNL 2050' FWL

TOPOGRAPHIC MAP "C"

SCALE: 1"=2000'
5 FEB 2014

AFFIDAVIT OF DAMAGE SETTLEMENT AND RELEASE AND RIGHT-OF-WAY AGREEMENTS

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

1. My name is Orion L. Mitchell. I am a Landman for EP Energy E&P Company, L.P., formally known as El Paso E&P Company, L.P., whose address is 1001 Louisiana Street, Houston, Texas 77002 ("EP Energy").
2. EP Energy is the operator of the proposed Duchesne City 2-19C4 well ("the Well") to be located in the NE/4 of the NW/4 of Section 19, Township 3 South, Range 4 West, U.S.B. &M., Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Duchesne City Corporation, a Utah Municipal Corporation, represented by Rojean Rowley, Mayor of Duchesne City, Utah and Dianne Miller, City Recorder of Duchesne City, Utah whose mailing address is 500 East Main Street, Duchesne, Utah 84021 and whose telephone number is 435-738-2464 (the "Surface Owner").
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated September 3, 2013 to cover any and all injuries or damages of every character and description sustained by the Surface Owner or Surface Owner's property as a result of operations associated with the drilling of the Well.
4. EP Energy and the Surface Owner have also entered into a Right-of-Way Agreement dated September 3, 2013 for an access road, pipeline and power line corridor across the NW/4 of Section 19, Township 3 South, Range 4 West, U.S.B.&M., Duchesne County, Utah.

FURTHER AFFIANT SAYETH NOT.

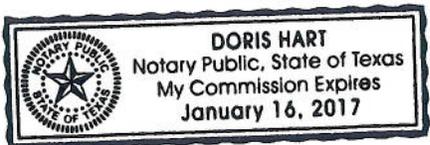


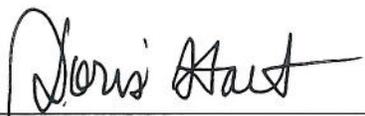
Orion L. Mitchell

ACKNOWLEDGMENT

STATE OF TEXAS §
 §
COUNTY OF HARRIS §

This instrument was acknowledged before me on this 19 day of September, 2013 by Orion L. Mitchell as a Landman for EP ENERGY E&P COMPANY, L.P., a Delaware limited partnership, on behalf of said partnership and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.





Notary Public in and for State of Texas

EP Energy E&P Company, L.P.

Related Surface Information

1. **Current Surface Use:**

- Livestock Grazing and Oil and Gas Production.

2. **Proposed Surface Disturbance:**

- The road will be crown and ditch. Water wings will be constructed on the access road as needed.
- The topsoil will be windrowed and re-spread in the borrow area.
- New road to be constructed will be approximately .21 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 .21 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:

Duchesne City Corporation
500 East Main Street
Duchesne, UT 84021
435-738-2464

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:

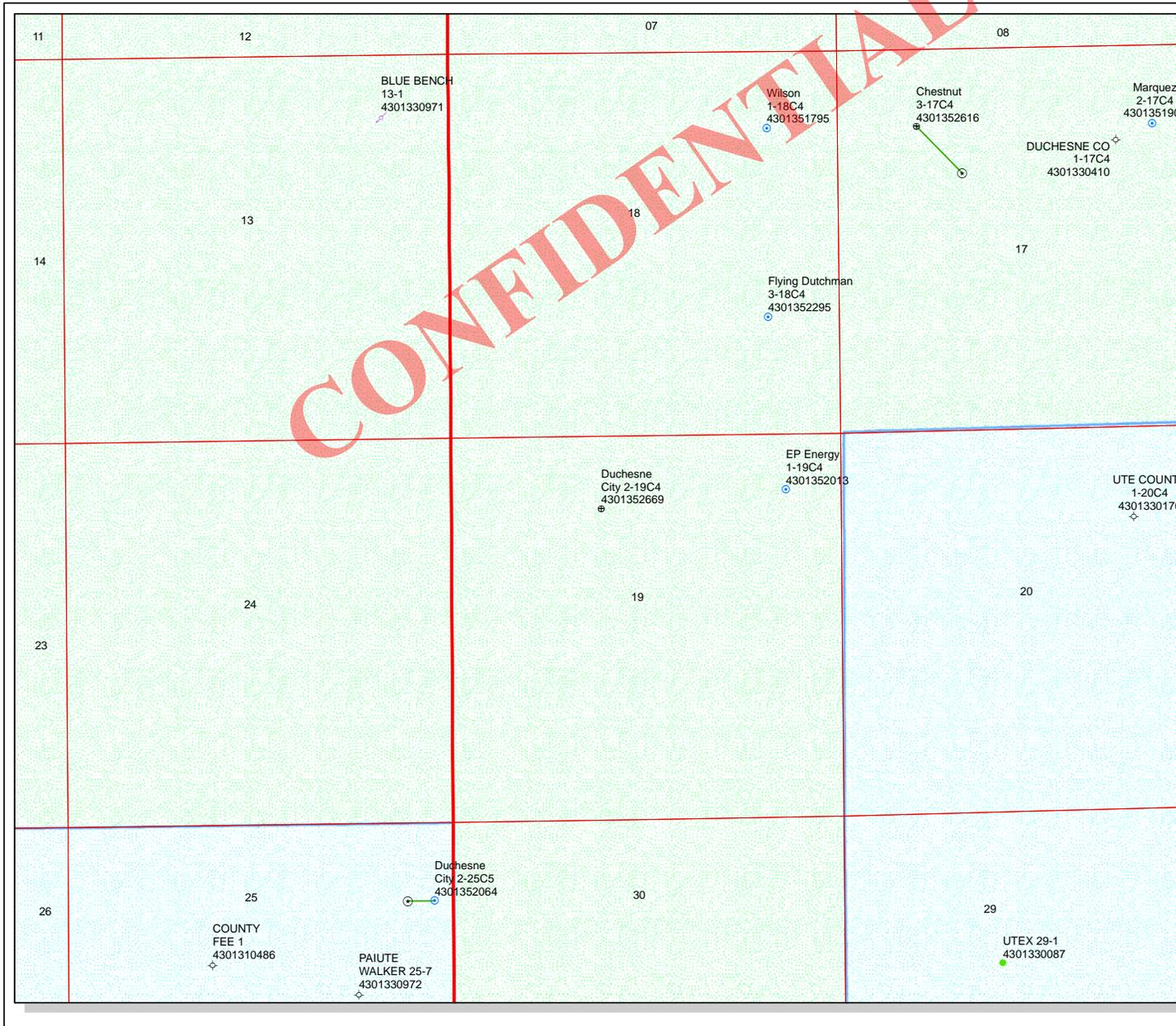
EP Energy E&P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

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

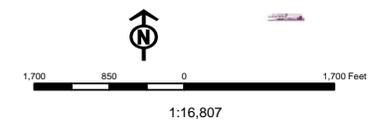
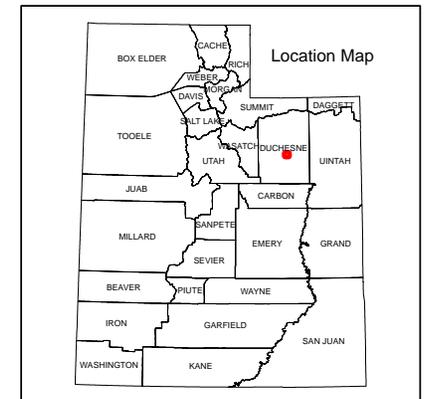


API Number: 4301352669
Well Name: Duchesne City 2-19C4

Township: T03.0S Range: R04.0W Section: 19 Meridian: U
 Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared: 11/29/2013
 Map Produced by Diana Mason

Wells Query		Units	
Status		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	▨	Unknown
▨	ABANDONED	▨	ABANDONED
▨	ACTIVE	▨	ACTIVE
▨	COMBINED	▨	COMBINED
▨	INACTIVE	▨	INACTIVE
▨	STORAGE	▨	STORAGE
▨	TERMINATED	▨	TERMINATED



Well Name	EP ENERGY E&P COMPANY, L.P. Duchesne City 2-19C4 43013526690			
String	Cond	Surf	I1	L1
Casing Size(")	13.375	9.625	7.000	5.000
Setting Depth (TVD)	600	2400	8700	11800
Previous Shoe Setting Depth (TVD)	0	600	2400	8700
Max Mud Weight (ppg)	8.8	9.4	10.5	13.2
BOPE Proposed (psi)	1000	1000	5000	10000
Casing Internal Yield (psi)	2730	5750	11220	13940
Operators Max Anticipated Pressure (psi)	8100			13.2

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

Calculations	Surf String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	1173		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	885	YES	4.5
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	645	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	777	NO	OK
Required Casing/BOPE Test Pressure=		2400	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		600	psi *Assumes 1psi/ft frac gradient	

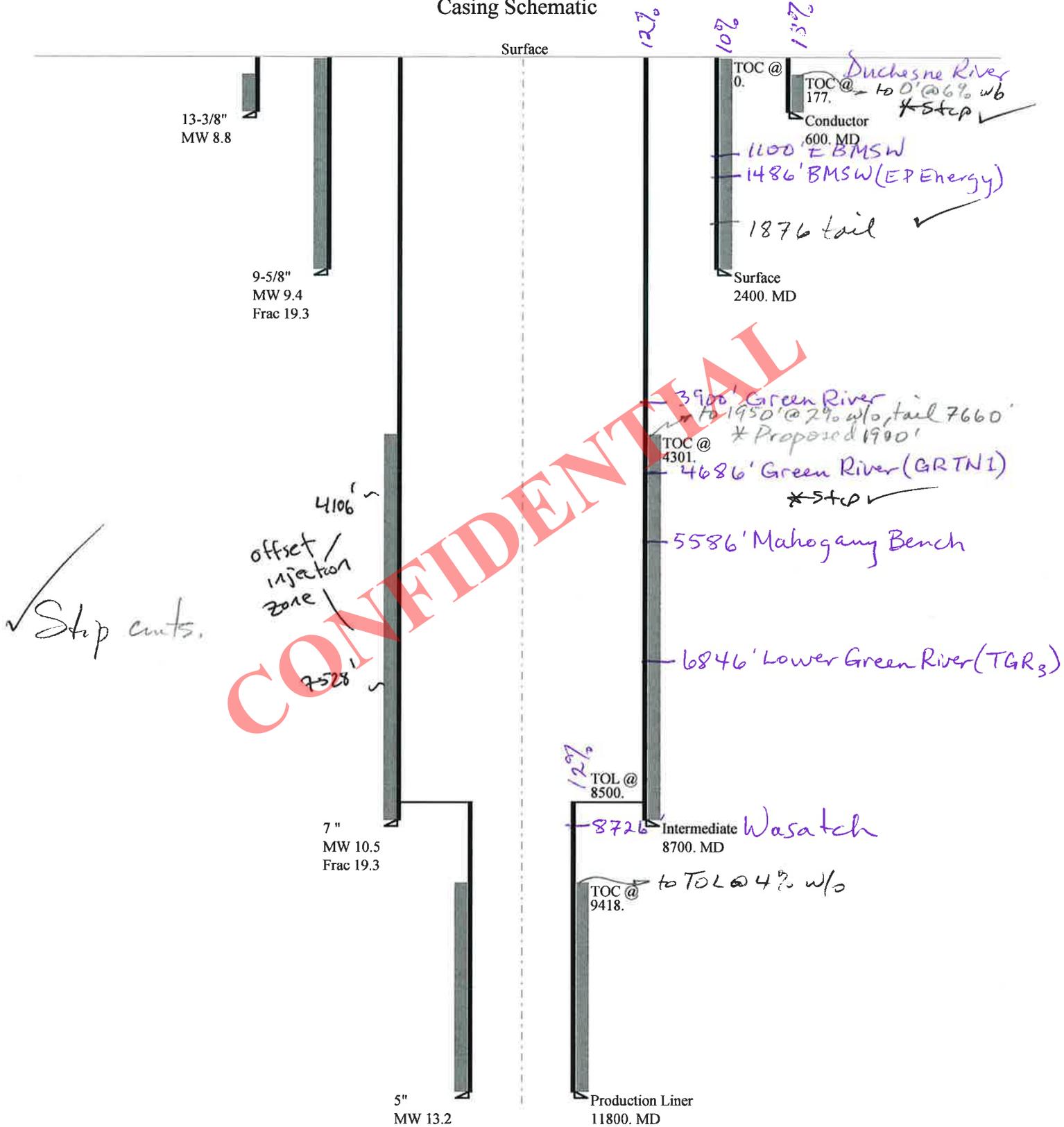
Calculations	I1 String	7.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	4750		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3706	YES	5M BOP & kill lines, 5M choke manifold
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2836	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3364	NO	OK
Required Casing/BOPE Test Pressure=		7854	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		2400	psi *Assumes 1psi/ft frac gradient	

Calculations	L1 String	5.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	8100		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6684	YES	10M BOP w/ rotating head, 5M annular, blind
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	5504	YES	rams, mud cross
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	7418	YES	OK
Required Casing/BOPE Test Pressure=		9758	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		8700	psi *Assumes 1psi/ft frac gradient	

43013526690000 Duchesne City 2-19C4

Casing Schematic

Surface



Well name:	43013526690000 Duchesne City 2-19C4	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Conductor	Project ID: 43-013-52669
Location:	UINTAH COUNTY	

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 82 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft
Cement top: 177 ft

Burst

Max anticipated surface pressure: 202 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 274 psi
Annular backup: 1.50 ppg

Tension:

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

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 523 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	600	13.375	48.00	WC-50	ST&C	600	600	12.559	6928
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	274	740	2.699	227	1700	7.47	25.1	308	12.28 J

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

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

Date: January 9, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 600 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013526690000 Duchesne City 2-19C4	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Surface	Project ID: 43-013-52669
Location:	UINTAH COUNTY	

Design parameters:

Collapse

Mud weight: 9.400 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 108 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 2,112 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,400 psi

Annular backup: 1.50 ppg

Tension:

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

Tension is based on buoyed weight.
Neutral point: 2,064 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,700 ft
Next mud weight: 10.500 ppg
Next setting BHP: 4,745 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,400 ft
Injection pressure: 2,400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2400	9.625	40.00	N-80	LT&C	2400	2400	8.75	30540
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1172	3090	2.637	2213	5750	2.60	82.6	737	8.93 J

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

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

Date: January 9, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2400 ft, a mud weight of 9.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:	43013526690000 Duchesne City 2-19C4	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Intermediate	Project ID: 43-013-52669
Location:	UINTAH COUNTY	

Design parameters:

Collapse

Mud weight: 10.500 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 196 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft
Cement top: 4,301 ft

Burst

Max anticipated surface pressure: 5,495 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,409 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
Neutral point: 7,317 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 11,800 ft
Next mud weight: 13.200 ppg
Next setting BHP: 8,091 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 8,700 ft
Injection pressure: 8,700 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	8700	7	29.00	HCP-110	LT&C	8700	8700	6.059	98246
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4745	9200	1.939	7409	11220	1.51	212.2	797	3.76 J

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

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

Date: January 9, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8700 ft, a mud weight of 10.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013526690000 Duchesne City 2-19C4	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Production Liner	Project ID: 43-013-52669
Location:	UINTAH COUNTY	

Design parameters:

Collapse

Mud weight: 13.200 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 239 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 9,418 ft

Burst

Max anticipated surface pressure: 5,495 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 8,091 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
Neutral point: 11,137 ft

Liner top: 8,500 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3300	5	18.00	HCP-110	ST-L	11800	11800	4.151	261360
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	8091	15360	1.898	8091	13940	1.72	47.5	341	7.18 J

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

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

Date: January 9, 2014
Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 11800 ft, a mud weight of 13.2 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations	10 to 30	10 to 30
Presence Nearby Utility Conduits	Not Present	0
	Final Score	31 1 Sensitivity Level

Characteristics / Requirements

Proposed reserve pit along the east side of location in cut, measuring 110' wide, by 150' long, by 12' deep and downwind of the location.

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

Other Observations / Comments

Surface is near old corrals and was former grazing for cattle, nothing but weeds now, posts remain from the old cattle days to the east and southeast. Duchesne City didn't have an issues with the surface, mostly open ground with a broad sloping drainage to the west.

Dennis Ingram
Evaluator

12/17/2013
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
8870	43013526690000	LOCKED	OW	P	No
Operator	EP ENERGY E&P COMPANY, L.P.		Surface Owner-APD	Duchesne City Corporation	
Well Name	Duchesne City 2-19C4		Unit		
Field	ALTAMONT		Type of Work	DRILL	
Location	NENW 19 3S 4W U 1000 FNL (UTM) 552601E 4451283N		2050 FWL	GPS Coord	

Geologic Statement of Basis

El Paso proposes to set 600 feet of conductor and 2,400 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 1,100 feet. A search of Division of Water Rights records indicates that there are 17 water wells within a 10,000 foot radius of the center of Section 19. These wells probably produce water from the Duchesne River Formation and associated alluvium. Depths of the wells fall in the range of 30-400 feet. Depth is not listed for 1 well. The wells are listed as being used for irrigation, stock watering, municipal and domestic. Duchesne City has several shallow municipal wells approximately 1.5 miles northwest of the proposed location. The proposed drilling, casing and cement program should adequately protect the highly used Duchesne River aquifer.

Brad Hill
APD Evaluator

1/8/2014
Date / Time

Surface Statement of Basis

The surface on this location slopes to the south and west and does not have any drainages that cross the proposed well pad. A south drainage canyon does head up just northwest of this site and runs parallel to this pad to the south, southeast and empties along the Duchesne River bottoms. Corner number 2 shows nearly ten feet of fill and has the greatest slope towards the adjacent canyon. If erosion becomes a problem the operator shall seed and/or install a silt fence to prevent the migration of sediment down slope.

The reserve pit is proposed in cut along the east side of the location in fine grained sand. The operator shall install a 16 mil synthetic liner to prevent seepage of the drilling fluids into those soils. This area does not have grazing at this time and the fencing of the pit or location is between the operator and Duchesne City.

The Division staff did schedule and perform an onsite meeting with interested parties to address issues and concerns regarding the construction and drilling of this Duchesne City 2-19C4 well. Duchesne City was shown as the landowner of record and was therefore invited to the presite meeting. The two city representatives are Ok with this staking and didn't express any concerns at the presite.

Dennis Ingram
Onsite Evaluator

12/17/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils shall be properly installed and maintained in the reserve pit.
Pits	The reserve pit should be located on the east side of the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	If erosion becomes a problem the operator shall seed and/or install a silt fence to prevent the migration of sediment down slope.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/13/2013

API NO. ASSIGNED: 43013526690000

WELL NAME: Duchesne City 2-19C4

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

PHONE NUMBER: 713 997-5038

CONTACT: Maria S. Gomez

PROPOSED LOCATION: NENW 19 030S 040W

Permit Tech Review:

SURFACE: 1000 FNL 2050 FWL

Engineering Review:

BOTTOM: 1000 FNL 2050 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.21031

LONGITUDE: -110.38187

UTM SURF EASTINGS: 552601.00

NORTHINGS: 4451283.00

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
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 139-90
- Effective Date: 5/9/2012
- Siting: 4 Wells Per 640 Acre
- R649-3-11. Directional Drill

Comments: Presite Completed

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



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Duchesne City 2-19C4
API Well Number: 43013526690000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 3/24/2014

Issued to:

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

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-90. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

General:

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

Conditions of Approval:

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

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

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 1900' MD as indicated in the submitted drilling plan.

Additional Approvals:

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

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

Notification Requirements:

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

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

Contact Information:

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

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

Reporting Requirements:

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

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

Approved By:

Approved by:

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

For John Rogers
Associate Director, Oil & Gas

CONFIDENTIAL

SPUD / DRILL & SET-CMT 13 3/8" CONDUCTOR CSG

EP ENERGY

DUCHESNE CITY 2-19C4

API # 43013526690000 *NENW Sec 19 T03S R04W*

ALTAMONT FIELD

DUCHESNE COUNTY

(3-20-14) SPUDDED WELL @ 8:00 AM. LEON ROSS DRILLING BUCKET RIG SET & CMT 40' OF 20" CONDUCTOR

(3-24-14) - (3-26-14) LEON ROSS DRILLING DRILLED 17 1/2" HOLE TO 646' (GL). RAN 13 3/8" 54.5 # J55 STC CSG TO 636' (GL). PROPETRO CEMENTED 13 3/8" CSG ON (3-26-14) W/ 675 SX 15.8 PPG PREMIUM CEMENT. HAD 30 BBL GOOD CEMENT RETURNED TO SURFACE. CEMENT DID NO FALL BACK.

RECEIVED

APR 01 2014

DIV. OF OIL, GAS & MINING



CONFIDENTIAL

Carol Daniels <caroldaniels@utah.gov>

**EP ENERGY / DUCHENSE CITY 2-19C4 / PD 406 / Notification of running & cmt
5" prod csg**

1 message

NE NW 5-19 T035 R04W

LANDRIG009 (Precision 406) <LANDRIG009@epenergy.com>

Sat, Apr 19, 2014 at 1:41 PM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Dodd, Robert W" <Robert.Dodd@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Walt, Michael Joseph" <Michael.Walt@epenergy.com>

EP ENERGY

DUCHENSE CITY 2-19C4

API # 43013526690000

ALTAMONT FIELD

DUCHESNE COUNTY

We reached 11500' TD of the 6 1/8" production hole @ 8:00 PM 4-18-14. We are currently logging this hole section will start running 5" 18# HCP110 casing later today. We anticipate starting cement operations @ 3:00 PM 4-20-14. Please contact us @ the numbers below if you require any other information.

Thanks,

Roy Derden / Morgan Harden

EP Energy / PD 406

713-997-1220 (Rig)

903-229-2878 (Cell)

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 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		8. WELL NAME and NUMBER: Duchesne City 2-19C4
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002		9. API NUMBER: 43013526690000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1000 FNL 2050 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 19 Township: 03.0S Range: 04.0W 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: 5/23/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Initial Completion"/>

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

EP plans to complete into the Wasatch. See attached for details.

**Approved by the
 Utah Division of
 Oil, Gas and Mining**
 May 15, 2014

Date: _____
 By: DeKQ

NAME (PLEASE PRINT) Julie Ward	PHONE NUMBER 713 997-5554	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 5/15/2014	

Duchesne City 2-19C4

Initial Completion

API # : 43013526690000

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. Wellhead isolation tools will continue to be used to isolate the wellhead during the frac.
5. Monitor the surface casing during frac:
 - a. Lay a flowline to the flow back tank and keep the valve open.
 - b. This line will remain in place until a wire line set retrievable packer is in place isolating the 5" casing from the 7" after the frac.
6. 2 7/8" tubing will be run to isolate the 7" casing during the flow back of the well.
7. Well pressure and annulus pressure would be monitored during this time until the well is ready for pump.

Completion Information (Wasatch Formation)

- | | |
|-----------------|--|
| Stage #1 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10965' – 11328' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of Power Prop 20/40. Total clean water volume is 119434 gals. |
| Stage #2 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10564' – 10926' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of Power Prop 20/40. Total clean water volume is 118835 gals. |
| Stage #3 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10213' – 10499' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of TLC 20/40. Total clean water volume is 124928 gals. |
| Stage #4 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9954' – 10194' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~160000 # of TLC 20/40. Total clean water volume is 130159 gals. |
| Stage #5 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9652' – 9882' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~160000 # of TLC 20/40. Total clean water volume is 129708 gals. |

Stage #6 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9346' – 9624' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of TLC 20/40. Total clean water volume is 117018 gals.

Stage #7 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9034' – 9316' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of TLC 20/40. Total clean water volume is 116553 gals.

Stimulation Summary

	Top Perf	Btm. Perf	Gross Interval	Plug Depth	Net Perf Length	Total Shots	Perf Intervals	Type of Prop	Lbs of Prop	Lbs/ft	Lbs of 100 Mesh	Gals of HCL (15%)	Gals of Clean H2O	Gals of Slurry
Stage #1	10,965	11,328	363	NA	23	69	16	Power Prop 20/40	140,000	386	3,000	5,000	119,434	131,140
Stage #2	10,564	10,926	362	10,936	23	69	16	Power Prop 20/40	140,000	387	3,000	5,000	118,835	130,542
Stage #3	10,213	10,499	286	10,509	23	69	17	TLC 20/40	150,000	524	3,000	5,000	124,928	137,058
Stage #4	9,954	10,194	240	10,204	23	69	15	TLC 20/40	160,000	667	3,000	5,000	130,159	142,755
Stage #5	9,652	9,882	230	9,892	22	66	14	TLC 20/40	160,000	696	3,000	5,000	129,708	142,304
Stage #6	9,346	9,624	278	9,634	23	69	17	TLC 20/40	140,000	504	3,000	5,000	117,018	128,682
Stage #7	9,034	9,316	282	9,326	23	69	16	TLC 20/40	140,000	496	3,000	5,000	116,553	128,217
Average per Stage			292		23	69	16		147,143	523	3,000	5,000	122,376	134,385
Totals per Well			2,041		160	480	111		1,030,000		21,000	35,000	856,635	940,698

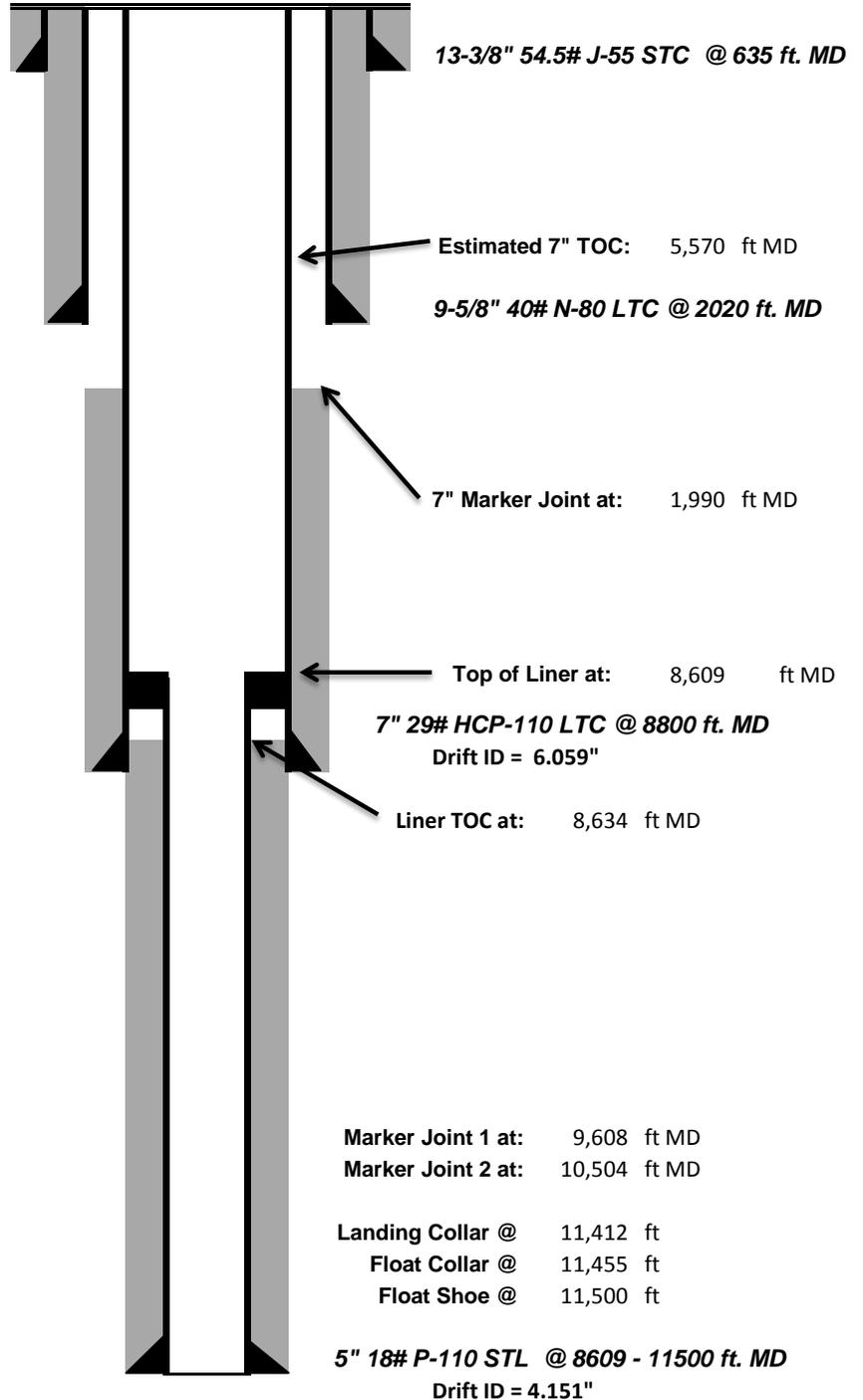


Pre-Completion Wellbore Schematic

Well Name: **Duchesne City 2-19C4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne County, Utah**
 Surface Location: **Lat: 40°12'32.96813" N Long: 110°22'54.93421" W**
 Producing Zone(s): **Green River / Wasatch**

Last Updated: **5/14/2014**
 By: **Mohammad Siddiqui**
 TD: **11,500**
 API: **43013526690000**
 AFE: **160898**

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



13-3/8" 54.5# J-55 STC @ 635 ft. MD

← **Estimated 7" TOC: 5,570 ft MD**

9-5/8" 40# N-80 LTC @ 2020 ft. MD

← **7" Marker Joint at: 1,990 ft MD**

← **Top of Liner at: 8,609 ft MD**

7" 29# HCP-110 LTC @ 8800 ft. MD
Drift ID = 6.059"

← **Liner TOC at: 8,634 ft MD**

Marker Joint 1 at: 9,608 ft MD

Marker Joint 2 at: 10,504 ft MD

Landing Collar @ 11,412 ft

Float Collar @ 11,455 ft

Float Shoe @ 11,500 ft

5" 18# P-110 STL @ 8609 - 11500 ft. MD
Drift ID = 4.151"

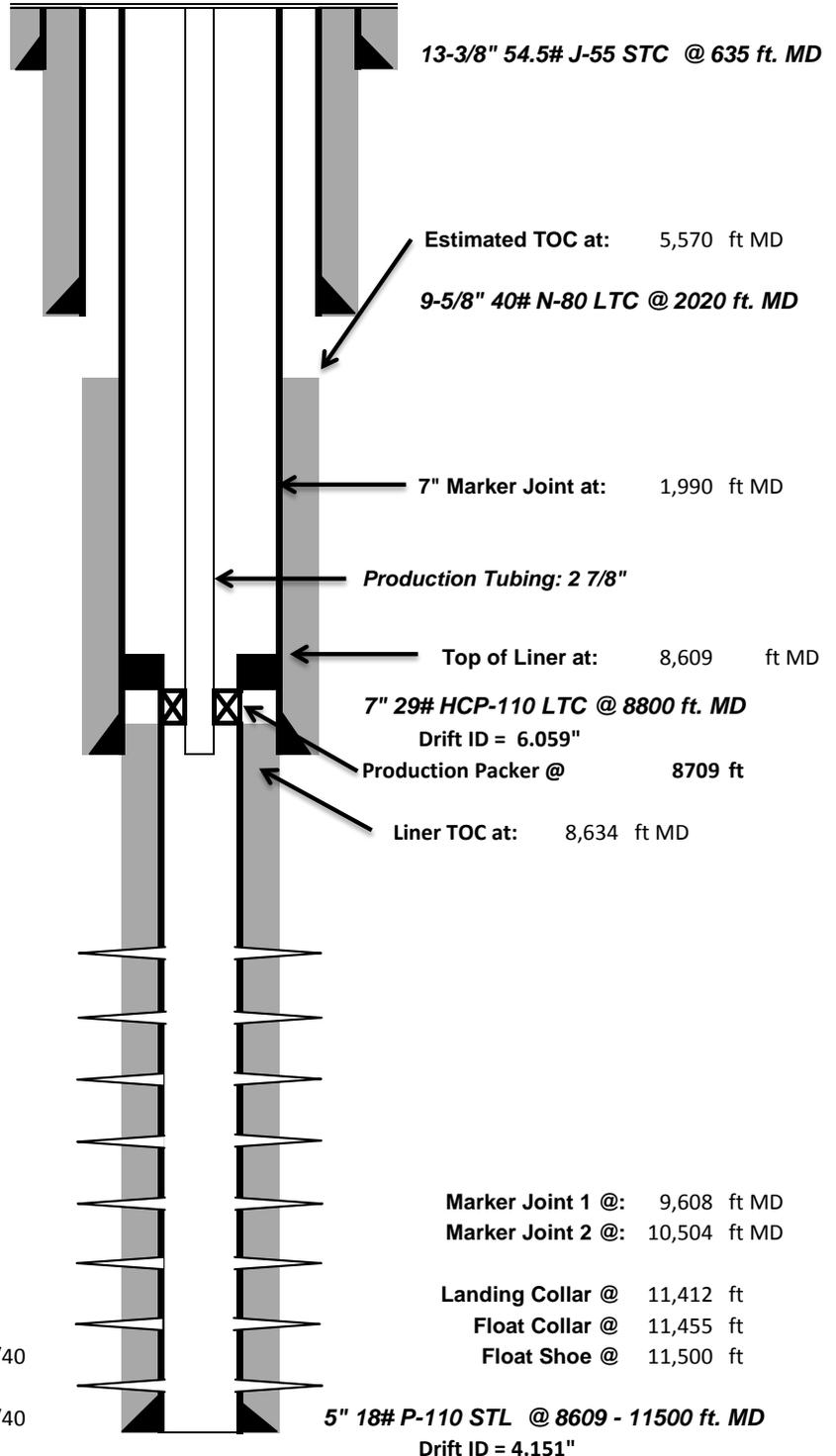


Post-Completion Wellbore Schematic

Well Name: **Duchesne City 2-19C4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne County, Utah**
 Surface Location: **Lat: 40°12'32.96813" N Long: 110°22'54.93421" W**
 Producing Zone(s): **Green River / Wasatch**

Last Updated: **5/14/2014**
 By: **Mohammad Siddiqui**
 TD: **11500**
 API: **43013526690000**
 AFE: **160898**

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



Initial Completion Perf Information

- Stage #7** 9034 - 9316 23' /69 shots
5000 gal HCL & 140000 lbs TLC 20/40
- Stage #6** 9346 - 9624 23' /69 shots
5000 gal HCL & 140000 lbs TLC 20/40
- Stage #5** 9652 - 9882 22' /66 shots
5000 gal HCL & 160000 lbs TLC 20/40
- Stage #4** 9954 - 10194 23' /69 shots
5000 gal HCL & 160000 lbs TLC 20/40
- Stage #3** 10213 - 10499 23' /69 shots
5000 gal HCL & 150000 lbs TLC 20/40
- Stage #2** 10564 - 10926 23' /69 shots
5000 gal HCL & 140000 lbs Power Prop 20/40
- Stage #1** 10965 - 11328 23' /69 shots
5000 gal HCL & 140000 lbs Power Prop 20/40

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: Duchesne City 2-19C4
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013526690000
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1000 FNL 2050 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 19 Township: 03.0S Range: 04.0W 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: 5/23/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Initial Completion"/>

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

EP plans to complete into the Wasatch. See attached for details.

**Approved by the
 Utah Division of
 Oil, Gas and Mining
 May 15, 2014**

Date: _____
 By: *DeKQ*

NAME (PLEASE PRINT) Julie Ward	PHONE NUMBER 713 997-5554	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 5/15/2014	

Duchesne City 2-19C4

Initial Completion

API # : 43013526690000

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. Wellhead isolation tools will continue to be used to isolate the wellhead during the frac.
5. Monitor the surface casing during frac:
 - a. Lay a flowline to the flow back tank and keep the valve open.
 - b. This line will remain in place until a wire line set retrievable packer is in place isolating the 5" casing from the 7" after the frac.
6. 2 7/8" tubing will be run to isolate the 7" casing during the flow back of the well.
7. Well pressure and annulus pressure would be monitored during this time until the well is ready for pump.

Completion Information (Wasatch Formation)

- | | |
|-----------------|--|
| Stage #1 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10965' – 11328' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of Power Prop 20/40. Total clean water volume is 119434 gals. |
| Stage #2 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10564' – 10926' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of Power Prop 20/40. Total clean water volume is 118835 gals. |
| Stage #3 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10213' – 10499' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~150000 # of TLC 20/40. Total clean water volume is 124928 gals. |
| Stage #4 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9954' – 10194' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~160000 # of TLC 20/40. Total clean water volume is 130159 gals. |
| Stage #5 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9652' – 9882' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~160000 # of TLC 20/40. Total clean water volume is 129708 gals. |

Stage #6 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9346' – 9624' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of TLC 20/40. Total clean water volume is 117018 gals.

Stage #7 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9034' – 9316' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of TLC 20/40. Total clean water volume is 116553 gals.

Stimulation Summary

	Top Perf	Btm. Perf	Gross Interval	Plug Depth	Net Perf Length	Total Shots	Perf Intervals	Type of Prop	Lbs of Prop	Lbs/ft	Lbs of 100 Mesh	Gals of HCL (15%)	Gals of Clean H2O	Gals of Slurry
Stage #1	10,965	11,328	363	NA	23	69	16	Power Prop 20/40	140,000	386	3,000	5,000	119,434	131,140
Stage #2	10,564	10,926	362	10,936	23	69	16	Power Prop 20/40	140,000	387	3,000	5,000	118,835	130,542
Stage #3	10,213	10,499	286	10,509	23	69	17	TLC 20/40	150,000	524	3,000	5,000	124,928	137,058
Stage #4	9,954	10,194	240	10,204	23	69	15	TLC 20/40	160,000	667	3,000	5,000	130,159	142,755
Stage #5	9,652	9,882	230	9,892	22	66	14	TLC 20/40	160,000	696	3,000	5,000	129,708	142,304
Stage #6	9,346	9,624	278	9,634	23	69	17	TLC 20/40	140,000	504	3,000	5,000	117,018	128,682
Stage #7	9,034	9,316	282	9,326	23	69	16	TLC 20/40	140,000	496	3,000	5,000	116,553	128,217
Average per Stage			292		23	69	16		147,143	523	3,000	5,000	122,376	134,385
Totals per Well			2,041		160	480	111		1,030,000		21,000	35,000	856,635	940,698

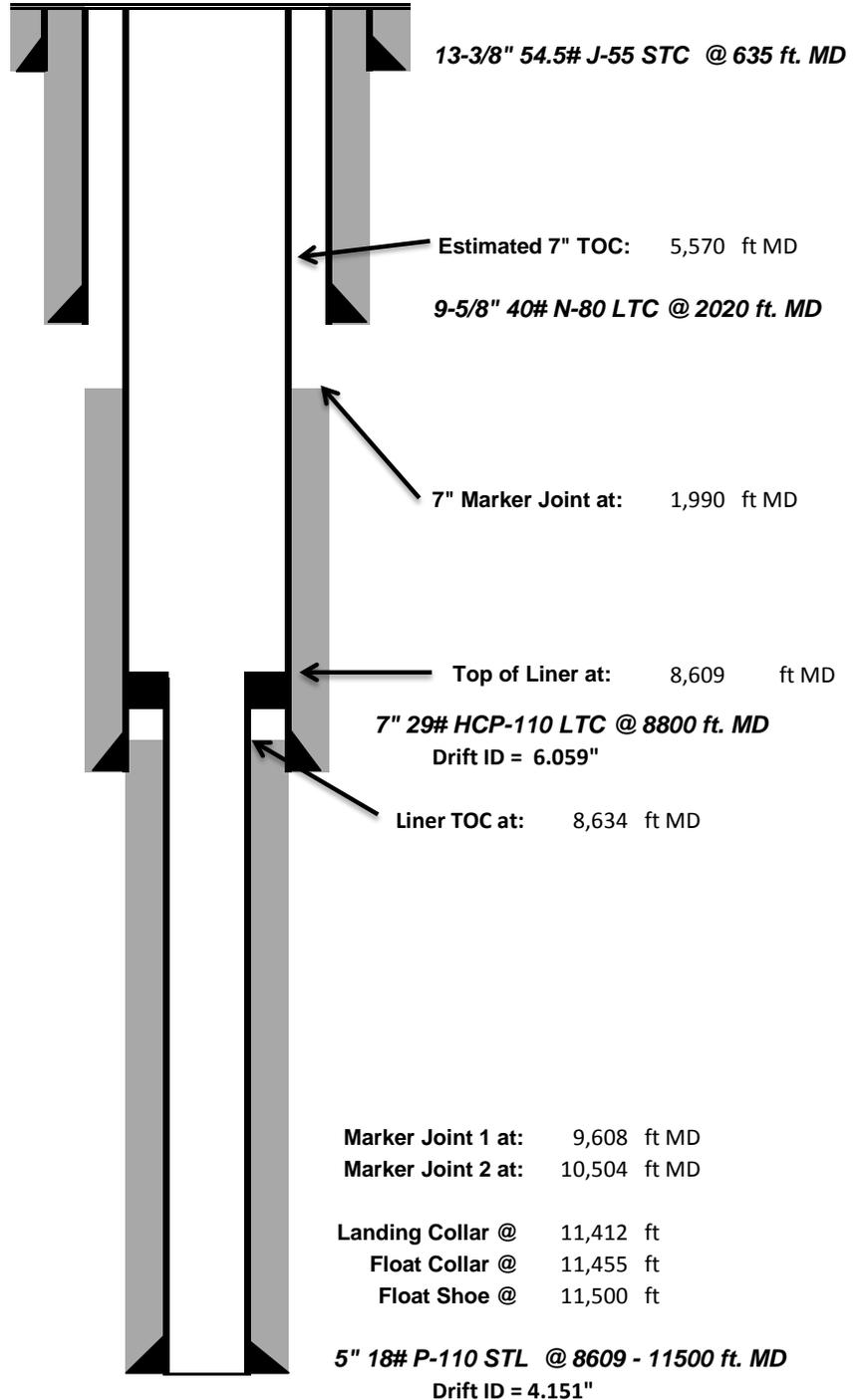


Pre-Completion Wellbore Schematic

Well Name: **Duchesne City 2-19C4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne County, Utah**
 Surface Location: **Lat: 40°12'32.96813" N Long: 110°22'54.93421" W**
 Producing Zone(s): **Green River / Wasatch**

Last Updated: **5/14/2014**
 By: **Mohammad Siddiqui**
 TD: **11,500**
 API: **43013526690000**
 AFE: **160898**

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



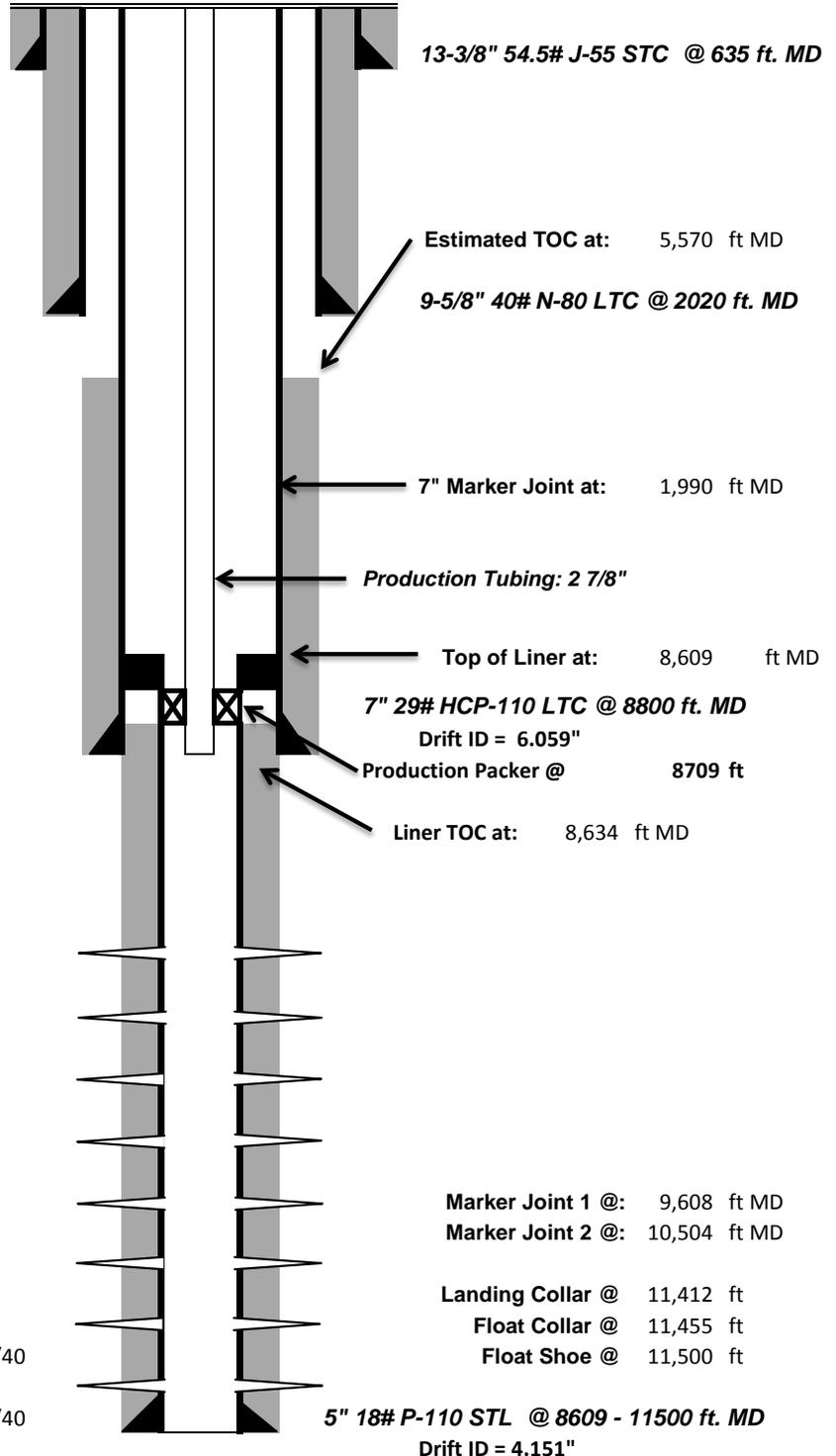


Post-Completion Wellbore Schematic

Well Name: **Duchesne City 2-19C4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne County, Utah**
 Surface Location: **Lat: 40°12'32.96813" N Long: 110°22'54.93421" W**
 Producing Zone(s): **Green River / Wasatch**

Last Updated: **5/14/2014**
 By: **Mohammad Siddiqui**
 TD: **11500**
 API: **43013526690000**
 AFE: **160898**

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



Initial Completion Perf Information

- Stage #7** 9034 - 9316 23' /69 shots
5000 gal HCL & 140000 lbs TLC 20/40
- Stage #6** 9346 - 9624 23' /69 shots
5000 gal HCL & 140000 lbs TLC 20/40
- Stage #5** 9652 - 9882 22' /66 shots
5000 gal HCL & 160000 lbs TLC 20/40
- Stage #4** 9954 - 10194 23' /69 shots
5000 gal HCL & 160000 lbs TLC 20/40
- Stage #3** 10213 - 10499 23' /69 shots
5000 gal HCL & 150000 lbs TLC 20/40
- Stage #2** 10564 - 10926 23' /69 shots
5000 gal HCL & 140000 lbs Power Prop 20/40
- Stage #1** 10965 - 11328 23' /69 shots
5000 gal HCL & 140000 lbs Power Prop 20/40

Marker Joint 1 @: 9,608 ft MD
 Marker Joint 2 @: 10,504 ft MD
 Landing Collar @ 11,412 ft
 Float Collar @ 11,455 ft
 Float Shoe @ 11,500 ft

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 _____		9. API NUMBER:
PHONE NUMBER: _____		10 FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:		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.	30. WELL STATUS:
<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: _____	

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 June 25, 2014****Well Name: Duchesne City 2-19C4****Items #27 and #28 Continued****27. Perforation Record**

Interval (Top/Bottom – MD)	Size	No. of Holes	Perf. Status
9653'-9882'	.43	69	Open
9346'-9624'	.43	69	Open
9035'-9316'	.43	69	Open

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

Depth Interval	Amount and Type of Material
9954'-10194'	5000 gal acid, 3000# 100 mesh, 160020# 20/40 TLC
9653'-9882'	5000 gal acid, 3000# 100 mesh, 160100# 20/40 TLC
9346'-9624'	5000 gal acid, 3000# 100 mesh, 140420# 20/40 TLC
9035'-9316'	5000 gal acid, 3000# 100 mesh, 141540# 20/40 TLC



Company: EP Energy Job Number: _____
 Well: Duchesne City 2-19C4 Mag Decl.: _____
 Location: Duchesne, UT Dir Driller: _____
 Rig: Precision 406 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 N/S (ft)	E/W (ft)	Closure Distance (ft)	Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Tie In	0.00	0.00	0.00										
1	100.00	0.19	85.77	100.00	100.00	0.01	0.01 N	0.16 E	0.16	85.77	0.19	0.19	85.77
2	200.00	0.45	77.80	100.00	200.00	0.11	0.11 N	0.71 E	0.71	81.42	0.26	0.26	-7.97
3	300.00	0.52	87.50	100.00	299.99	0.21	0.21 N	1.54 E	1.56	82.30	0.11	0.08	9.70
4	400.00	0.64	70.23	100.00	399.99	0.42	0.42 N	2.53 E	2.56	80.60	0.21	0.12	-17.27
5	500.00	0.64	71.21	100.00	499.98	0.79	0.79 N	3.59 E	3.67	77.60	0.01	0.00	0.97
6	600.00	0.61	68.88	100.00	599.98	1.16	1.16 N	4.61 E	4.76	75.87	0.04	-0.03	-2.33
7	700.00	0.73	76.75	100.00	699.97	1.50	1.50 N	5.73 E	5.93	75.34	0.15	0.12	7.87
8	800.00	0.68	71.61	100.00	799.96	1.83	1.83 N	6.92 E	7.16	75.15	0.08	-0.05	-5.14
9	900.00	0.51	77.73	100.00	899.96	2.12	2.12 N	7.92 E	8.19	75.04	0.19	-0.18	6.12
10	1000.00	0.62	77.38	100.00	999.95	2.33	2.33 N	8.87 E	9.17	75.30	0.11	0.11	-0.35
11	1100.00	0.25	78.57	100.00	1099.95	2.49	2.49 N	9.60 E	9.92	75.49	0.37	-0.37	1.19
12	1200.00	0.21	186.91	100.00	1199.95	2.34	2.34 N	9.79 E	10.07	76.54	0.37	-0.03	108.34
13	1300.00	0.27	141.34	100.00	1299.95	1.98	1.98 N	9.92 E	10.11	78.72	0.19	0.05	-45.57
14	1400.00	0.35	163.43	100.00	1399.95	1.50	1.50 N	10.15 E	10.26	81.57	0.14	0.08	22.10
15	1500.00	0.57	202.84	100.00	1499.94	0.76	0.76 N	10.04 E	10.07	85.70	0.37	0.22	39.40
16	1600.00	0.86	201.89	100.00	1599.94	-0.40	0.40 S	9.57 E	9.58	92.38	0.29	0.29	-0.95
17	1700.00	0.90	199.13	100.00	1699.92	-1.84	1.84 S	9.03 E	9.22	101.51	0.06	0.04	-2.76
18	1800.00	0.80	197.29	100.00	1799.91	-3.25	3.25 S	8.57 E	9.16	110.77	0.11	-0.11	-1.84
19	1900.00	0.86	180.48	100.00	1899.90	-4.66	4.66 S	8.35 E	9.57	119.15	0.25	0.06	-16.81
20	1961.00	0.95	182.34	61.00	1960.89	-5.62	5.62 S	8.33 E	10.05	124.01	0.16	0.16	3.04
21	2023.00	1.06	180.96	62.00	2022.88	-6.71	6.71 S	8.30 E	10.67	128.95	0.18	0.18	-2.22
22	2119.00	1.02	11.74	96.00	2118.88	-6.76	6.76 S	8.46 E	10.83	128.63	2.16	-0.04	-176.27
23	2216.00	2.57	357.84	97.00	2215.83	-3.74	3.74 S	8.55 E	9.33	113.62	1.65	1.60	356.80
24	2312.00	3.87	359.33	96.00	2311.68	1.65	1.65 N	8.43 E	8.59	78.93	1.36	1.35	1.55
25	2408.00	3.57	350.64	96.00	2407.47	7.84	7.84 N	7.91 E	11.14	45.26	0.66	-0.31	-9.05
26	2505.00	3.57	356.48	97.00	2504.29	13.83	13.83 N	7.23 E	15.61	27.60	0.37	0.00	6.02
27	2601.00	4.22	5.85	96.00	2600.06	20.33	20.33 N	7.41 E	21.64	20.02	0.95	0.68	-365.24
28	2697.00	3.80	1.79	96.00	2695.83	27.02	27.02 N	7.87 E	28.15	16.23	0.53	-0.44	-4.23
29	2793.00	3.04	357.42	96.00	2791.66	32.75	32.75 N	7.85 E	33.67	13.49	0.84	-0.79	370.45
30	2889.00	3.62	359.09	96.00	2887.50	38.32	38.32 N	7.69 E	39.08	11.35	0.61	0.60	1.74
31	2985.00	4.67	4.71	96.00	2983.24	45.24	45.24 N	7.96 E	45.94	9.98	1.17	1.09	-369.15
32	3081.00	4.07	355.42	96.00	3078.97	52.54	52.54 N	8.01 E	53.14	8.67	0.96	-0.63	365.32
33	3178.00	3.80	5.30	97.00	3175.74	59.17	59.17 N	8.03 E	59.71	7.73	0.75	-0.28	-360.95
34	3274.00	4.03	13.81	96.00	3271.51	65.61	65.61 N	9.13 E	66.24	7.92	0.65	0.24	8.86
35	3370.00	3.53	10.19	96.00	3367.31	71.80	71.80 N	10.46 E	72.55	8.29	0.58	-0.52	-3.77



Company: EP Energy
 Well: Duchesne City 2-19C4
 Location: Duchesne, UT
 Rig: Precision 406

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 Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')		
							N/S (ft)	E/W (ft)							
36	3466.00	2.97	2.53	96.00	3463.15	77.19	77.19	N	11.09	E	77.98	8.18	0.74	-0.58	-7.98
37	3562.00	3.61	3.80	96.00	3558.99	82.69	82.69	N	11.40	E	83.47	7.85	0.67	0.67	1.32
38	3659.00	2.64	358.87	97.00	3655.85	87.97	87.97	N	11.56	E	88.73	7.49	1.04	-1.00	366.05
39	3755.00	3.43	3.52	96.00	3751.71	93.05	93.05	N	11.70	E	93.78	7.16	0.86	0.82	-370.16
40	3851.00	5.03	10.75	96.00	3847.45	100.05	100.05	N	12.66	E	100.85	7.21	1.75	1.67	7.53
41	3948.00	5.08	13.29	97.00	3944.07	108.41	108.41	N	14.44	E	109.36	7.59	0.24	0.05	2.62
42	4044.00	4.50	10.16	96.00	4039.74	116.25	116.25	N	16.08	E	117.36	7.87	0.66	-0.60	-3.26
43	4140.00	3.31	9.14	96.00	4135.51	122.69	122.69	N	17.18	E	123.89	7.97	1.24	-1.24	-1.06
44	4237.00	3.90	17.00	97.00	4232.32	128.61	128.61	N	18.59	E	129.95	8.23	0.79	0.61	8.10
45	4332.00	3.09	16.19	95.00	4327.14	134.16	134.16	N	20.25	E	135.68	8.58	0.85	-0.85	-0.85
46	4428.00	4.29	22.80	96.00	4422.94	139.96	139.96	N	22.36	E	141.73	9.08	1.32	1.25	6.89
47	4525.00	3.29	20.08	97.00	4519.73	145.91	145.91	N	24.73	E	147.99	9.62	1.05	-1.03	-2.80
48	4621.00	3.76	15.33	96.00	4615.55	151.54	151.54	N	26.50	E	153.84	9.92	0.58	0.49	-4.95
49	4717.00	2.75	9.77	96.00	4711.39	156.84	156.84	N	27.73	E	159.28	10.03	1.10	-1.05	-5.79
50	4813.00	1.77	5.81	96.00	4807.31	160.59	160.59	N	28.27	E	163.06	9.98	1.03	-1.02	-4.13
51	4908.00	0.96	334.44	95.00	4902.29	162.77	162.77	N	28.07	E	165.17	9.79	1.13	-0.85	345.93
52	5004.00	0.74	273.45	96.00	4998.28	163.53	163.53	N	27.11	E	165.76	9.41	0.92	-0.23	-63.53
53	5100.00	0.90	232.73	96.00	5094.27	163.11	163.11	N	25.89	E	165.15	9.02	0.61	0.17	-42.42
54	5195.00	0.56	302.93	95.00	5189.26	162.91	162.91	N	24.90	E	164.80	8.69	0.93	-0.36	73.89
55	5291.00	1.36	18.39	96.00	5285.25	164.25	164.25	N	24.87	E	166.12	8.61	1.39	0.83	-296.40
56	5387.00	2.70	32.18	96.00	5381.19	167.24	167.24	N	26.43	E	169.32	8.98	1.48	1.40	14.36
57	5483.00	3.63	19.72	96.00	5477.04	172.02	172.02	N	28.66	E	174.39	9.46	1.20	0.97	-12.98
58	5579.00	3.05	16.08	96.00	5572.88	177.33	177.33	N	30.40	E	179.92	9.73	0.64	-0.60	-3.79
59	5675.00	2.90	11.12	96.00	5668.75	182.17	182.17	N	31.57	E	184.88	9.83	0.31	-0.16	-5.17
60	5771.00	3.45	6.40	96.00	5764.60	187.42	187.42	N	32.36	E	190.19	9.80	0.63	0.57	-4.92
61	5867.00	4.02	4.00	96.00	5860.40	193.65	193.65	N	32.92	E	196.43	9.65	0.62	0.59	-2.50
62	5963.00	3.72	7.33	96.00	5956.18	200.09	200.09	N	33.55	E	202.89	9.52	0.39	-0.31	3.47
63	6060.00	2.74	0.90	97.00	6053.03	205.53	205.53	N	33.99	E	208.32	9.39	1.08	-1.01	-6.63
64	6156.00	2.08	355.38	96.00	6148.94	209.56	209.56	N	33.88	E	212.29	9.18	0.73	-0.69	369.25
65	6252.00	1.56	343.42	96.00	6244.89	212.55	212.55	N	33.37	E	215.16	8.92	0.67	-0.54	-12.46
66	6348.00	1.08	330.39	96.00	6340.87	214.59	214.59	N	32.55	E	217.05	8.63	0.59	-0.50	-13.57
67	6444.00	0.79	286.91	96.00	6436.85	215.57	215.57	N	31.47	E	217.86	8.31	0.77	-0.30	-45.29
68	6540.00	1.14	240.68	96.00	6532.84	215.30	215.30	N	30.01	E	217.38	7.93	0.86	0.36	-48.16
69	6636.00	1.33	227.44	96.00	6628.82	214.07	214.07	N	28.35	E	215.94	7.54	0.36	0.20	-13.79
70	6732.00	1.66	220.36	96.00	6724.79	212.26	212.26	N	26.63	E	213.93	7.15	0.39	0.34	-7.37
71	6827.00	1.88	214.18	95.00	6819.74	209.92	209.92	N	24.86	E	211.39	6.75	0.31	0.23	-6.51
72	6923.00	1.88	210.20	96.00	6915.69	207.26	207.26	N	23.19	E	208.55	6.38	0.14	0.00	-4.15



Company: EP Energy
 Well: Duchesne City 2-19C4
 Location: Duchesne, UT
 Rig: Precision 406

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

Calculation Method Minimum Curvature
 Proposed Azimuth 0.00
 Depth Reference KB
 Tie Info: 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)	EW (ft)	Distance (ft)	Direction Azimuth			
73	7019.00	2.10	202.96	96.00	7011.63	204.28	204.28 N	21.71 E	205.43	6.07	0.35	0.23	-7.54
74	7115.00	2.51	200.07	96.00	7107.55	200.69	200.69 N	20.30 E	201.71	5.78	0.44	0.43	-3.01
75	7211.00	1.87	198.94	96.00	7203.48	197.23	197.23 N	19.07 E	198.15	5.52	0.67	-0.67	-1.18
76	7307.00	1.63	198.45	96.00	7299.44	194.45	194.45 N	18.13 E	195.30	5.33	0.25	-0.25	-0.51
77	7403.00	2.10	193.37	96.00	7395.39	191.45	191.45 N	17.29 E	192.23	5.16	0.52	0.49	-5.29
78	7499.00	0.97	192.65	96.00	7491.35	188.94	188.94 N	16.71 E	189.68	5.05	1.18	-1.18	-0.75
79	7595.00	1.06	184.72	96.00	7587.34	187.26	187.26 N	16.46 E	187.99	5.02	0.17	0.09	-8.26
80	7691.00	1.51	183.78	96.00	7683.31	185.12	185.12 N	16.30 E	185.83	5.03	0.47	0.47	-0.98
81	7788.00	1.98	186.87	97.00	7780.27	182.18	182.18 N	16.02 E	182.88	5.02	0.49	0.48	3.19
82	7884.00	2.14	191.71	96.00	7876.21	178.78	178.78 N	15.45 E	179.44	4.94	0.25	0.17	5.04
83	7980.00	2.03	195.61	96.00	7972.14	175.38	175.38 N	14.63 E	175.99	4.77	0.19	-0.11	4.06
84	8076.00	2.05	199.21	96.00	8068.08	172.13	172.13 N	13.61 E	172.66	4.52	0.14	0.02	3.75
85	8173.00	2.46	201.12	97.00	8165.01	168.55	168.55 N	12.29 E	168.99	4.17	0.43	0.42	1.97
86	8268.00	2.73	208.66	95.00	8259.91	164.66	164.66 N	10.47 E	164.99	3.64	0.46	0.28	7.94
87	8364.00	3.60	222.80	96.00	8355.76	160.44	160.44 N	7.33 E	160.61	2.61	1.21	0.91	14.73
88	8461.00	2.50	232.14	97.00	8452.62	156.91	156.91 N	3.59 E	156.95	1.31	1.24	-1.13	9.63
89	8600.00	2.73	220.67	139.00	8591.48	152.54	152.54 N	0.96 W	152.54	359.64	0.41	0.16	-8.25
90	8700.00	1.30	184.08	100.00	8691.42	149.61	149.61 N	2.59 W	149.63	359.01	1.86	-1.43	-36.59
91	8800.00	1.13	137.32	100.00	8791.40	147.75	147.75 N	2.00 W	147.77	359.22	0.97	-0.16	-46.77
92	8900.00	1.72	155.95	100.00	8891.37	145.66	145.66 N	0.72 W	145.66	359.72	0.74	0.59	18.63
93	9000.00	2.27	159.53	100.00	8991.31	142.43	142.43 N	0.58 E	142.43	0.23	0.57	0.56	3.58
94	9100.00	2.86	161.68	100.00	9091.21	138.20	138.20 N	2.06 E	138.22	0.85	0.59	0.58	2.16
95	9200.00	2.83	161.34	100.00	9191.08	133.50	133.50 N	3.63 E	133.55	1.56	0.03	-0.03	-0.34
96	9300.00	3.18	163.82	100.00	9290.95	128.50	128.50 N	5.19 E	128.61	2.31	0.37	0.35	2.48
97	9400.00	3.32	174.24	100.00	9390.79	122.95	122.95 N	6.26 E	123.11	2.91	0.61	0.15	10.42
98	9500.00	3.29	171.37	100.00	9490.62	117.23	117.23 N	6.98 E	117.44	3.41	0.17	-0.03	-2.88
99	9600.00	3.43	167.18	100.00	9590.45	111.48	111.48 N	8.07 E	111.77	4.14	0.28	0.14	-4.19
100	9700.00	3.31	170.74	100.00	9690.28	105.72	105.72 N	9.20 E	106.12	4.97	0.24	-0.12	3.56
101	9800.00	3.02	178.04	100.00	9790.12	100.23	100.23 N	9.76 E	100.71	5.56	0.49	-0.28	7.30
102	9900.00	3.24	183.67	100.00	9889.97	94.78	94.78 N	9.67 E	95.27	5.82	0.38	0.22	5.63
103	10000.00	3.12	181.02	100.00	9989.82	89.24	89.24 N	9.44 E	89.74	6.04	0.19	-0.13	-2.66
104	10100.00	3.10	182.05	100.00	10089.67	83.82	83.82 N	9.29 E	84.33	6.33	0.06	-0.01	1.04
105	10200.00	3.19	180.95	100.00	10189.52	78.33	78.33 N	9.15 E	78.86	6.66	0.11	0.09	-1.10
106	10300.00	3.47	183.31	100.00	10289.35	72.53	72.53 N	8.93 E	73.07	7.02	0.31	0.27	2.36
107	10400.00	3.67	182.66	100.00	10389.16	66.32	66.32 N	8.60 E	66.87	7.39	0.20	0.20	-0.65
108	10500.00	3.25	179.14	100.00	10488.98	60.29	60.29 N	8.50 E	60.88	8.02	0.47	-0.42	-3.52
109	10600.00	3.99	181.55	100.00	10588.78	53.98	53.98 N	8.45 E	54.63	8.89	0.76	0.74	2.41



Company: EP Energy Job Number: _____
 Well: Duchesne City 2-19C4 Mag Decl.: _____
 Location: Duchesne, UT Dir Driller: _____
 Rig: Precision 406 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)	N/S (ft)	Coordinates (ft)	E/W (ft)	Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
110	10700.00	3.81	180.91	100.00	10688.55	47.17	47.17	N	8.30	47.90	9.98	0.18	-0.18	-0.65
111	10800.00	3.78	178.71	100.00	10788.33	40.55	40.55	N	8.32	41.40	11.60	0.15	-0.03	-2.20
112	10900.00	3.98	179.67	100.00	10888.10	33.79	33.79	N	8.42	34.82	13.99	0.21	0.20	0.96
113	11000.00	4.08	179.33	100.00	10987.85	26.76	26.76	N	8.48	28.07	17.58	0.10	0.10	-0.34
114	11100.00	4.23	188.77	100.00	11087.59	19.56	19.56	N	7.96	21.12	22.13	0.70	0.15	9.45
115	11200.00	4.21	180.15	100.00	11187.32	12.25	12.25	N	7.39	14.31	31.08	0.63	-0.02	-8.62
116	11300.00	4.36	182.02	100.00	11287.04	4.79	4.79	N	7.24	8.68	56.54	0.21	0.15	1.87
117	11397.00	4.12	184.34	97.00	11383.77	-2.37	2.37	S	6.85	7.25	109.07	0.31	-0.25	2.39
118	11500.00	4.12	184.34	103.00	11486.51	-9.74	9.74	S	6.29	11.59	147.14	0.00	0.00	0.00

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: Duchesne City 2-19C4	
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002		9. API NUMBER: 43013526690000	
PHONE NUMBER: 713 997-5038 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1000 FNL 2050 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 19 Township: 03.0S Range: 04.0W 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/9/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Routine Ops"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Downsized & deepened. See attached for details.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 19, 2016			
NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst	
SIGNATURE N/A		DATE 1/11/2016	

CENTRAL DIVISION

ALTAMONT FIELD
DUCHESNE CITY 2-19C4
DUCHESNE CITY 2-19C4
WORKOVER LAND

Operation Summary Report

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

1 General**1.1 Customer Information**

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	DUCHESNE CITY 2-19C4		
Project	ALTAMONT FIELD	Site	DUCHESNE CITY 2-19C4
Rig Name/No.	PEAK/2700/	Event	WORKOVER LAND
Start date	12/7/2015	End date	12/10/2015
Spud Date/Time	4/7/2014	UWI	DUCHESNE CITY 2-19C4
Active datum	KB @5,883.5ft (above Mean Sea Level)		
Afe No./Description	165807/55572 / DUCHESNE CITY 2-19C4		

2 Summary**2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
12/8/2015	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) MOVING RIG & EQUIPMENT
	7:00 10:30	3.50	MIRU	01		P		ROAD RIG FROM 1-33Z1, SLIDE ROTA FLEX BACK, MIRU RIG WHILE PUMPING 60 HOT BBLS 2% KCL DOWN CSG, BLED OFF TBG, UNSEAT PUMP
	10:30 11:30	1.00	PRDHEQ	06		P		R/U HOT OILER, FLUSH RODS W/ 60 BBLS 2% KCL,
	11:30 14:30	3.00	PRDHEQ	39		P		POOH W/ 97'-1", 107'-7/8", 117'-3/4" RODS, L/D 17 - 1 1/2" C-BARS & 2 1/2" X 1 3/4" X 38' PUMP, FLUSH RODS AS NEEDED, POOH, X-0 TO TBG EQUIPMENT
	14:30 16:00	1.50	PRDHEQ	16		P		N/D B-FLANGE, N/U 5K BOPS, R/U WORK FLOOR & TONGS, RELEASE 7" TAC.
	16:00 17:30	1.50	PRDHEQ	39		P		R/U SCANNER, POOH SCANNING TBG W/ 54 JTS YB TBG, SECURE WELL, SDFN.
12/9/2015	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA ON PICK UP BHA & TBG
	7:00 10:00	3.00	PRDHEQ	39		P		BLED OFF WELL, CONTINUE TOOH SCANNING TBG W/ 201 JTS 2 7/8", 7" TAC, 4 JTS 2 7/8", R/D SCANNERS, L/D BHA, SCANNED 258 JTS 2 7/8" HAD 253 YELLOW, L/D 5 BLUE, 0 RED
	10:00 11:45	1.75	WLWORK	18		P		R/U WIRELINE TRUCK, RIH W/ 1-11/16" SINKER BAR TAG FILL @ 11,386', BTM PERF @ 11,328', OLD PBTD @ 11,397', POOH, RDMO WIRELINE TRUCK.
	11:45 17:30	5.75	PRDHEQ	39		P		P/U & RIH W/ 2 3/8" BULL PLUG, 2 JTS 2 3/8", 2 3/8" # 5 DESANDER, 2' SUB, PSN, 4' SUB, 4 JTS 2 3/8", 5" KLX 1/4" TURN TAC, 44 JTS 2 3/8" YB TBG FROM TUBOSCOPE, X-O TO 2 7/8", R/U HYDRO TESTER, RIH TESTING 2 7/8" YB TBG W/ 210 JTS, EOT @ 8505', R/D TESTER. SECURE WELL, SDFN.
12/10/2015	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) HYDRO TESTING TUBING
	7:00 8:45	1.75	PRDHEQ	39		P		BLED OFF WELL, R/U HYDRO TESTER, CONTINUE TESTING 64 JTS 2 7/8" YB TBG, R/D TESTER.
	8:45 10:00	1.25	PRDHEQ	16		P		R/D WORK FLOOR, N/D 5K BOPS & SPOOL, SET 5" KLX 1/4 TURN TAC IN 25,000 LBS TENSION @ 9692', N/U B-FLANGE W/ 60' CAP STRING.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	10:00 11:30	1.50	PRDHEQ	18		P		R/U WESTERN CHEMICAL FOR CLEAN UP JOB, REVIEW JSA, PUMP 2 BBLS 2% KCL, 30 GALS MUTUAL SOLVENT, 2 BBLS 2%, 30 GALS PARAFFIN SOL., 2 BBLS 2%, 550 GALS ACID (15% HCL), 2 BBLS 2%, 25 GALS SCALE INHIBITOR, 2 BBLS 2%, 15 GALS CORROSION INHIBITOR, 2 BBLS 2%, 25 GALS SCAVENGER, FLUSH TBG W/ 65 BBLS 2% & ROD CHEM.
	11:30 15:15	3.75	PRDHEQ	39		P		P/U & PRIME 2" X 1 1/2" X 36' HF PUMP, RIH W/ PUMP, P/U 15 - 1 1/2" C-BARS & 60 NEW SHG 3/4", TIH W/ 75-3/4" 4GPR, 48-3/4" 6GPR, 68-7/8" 6GPR, 28-7/8" 4GPR, 44-1" 6GPR, 51-1" 4GPR, SPACE OUT W/ 2-2' PONY SUBS, P/U POLISH ROD SEAT PUMP @ 9821'
	15:15 16:00	0.75	PRDHEQ	18		P		FILL TBG W/ 40 BBLS 2%, STROKE TEST PUMP TO 1000 PSI, FLUSH FLOW LINE W/ 20 HOT BBLS 2%
	16:00 17:30	1.50	RDMO	02		P		R/D RIG, SLIDE IN ROTA FLEX, HANG OFF RODS, TWOTO, SDFD.

Table of Contents

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

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
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	8. WELL NAME and NUMBER: Duchesne City 2-19C4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1000 FNL 2050 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 19 Township: 03.0S Range: 04.0W Meridian: U	9. API NUMBER: 43013526690000
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	9. FIELD and POOL or WILDCAT: ALTAMONT
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	PHONE NUMBER: 713 997-5138 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1000 FNL 2050 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 19 Township: 03.0S Range: 04.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1000 FNL 2050 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 19 Township: 03.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1000 FNL 2050 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 19 Township: 03.0S Range: 04.0W Meridian: U	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: 9/5/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Please see attached the proposed recompletion procedure along with current and post WBD's.

Approved by the
August 25, 2016
Oil, Gas and Mining

Date: _____
 By: D. K. Quist

NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 8/22/2016	

Duchesne City 2-19C4 Recom Summary Procedure

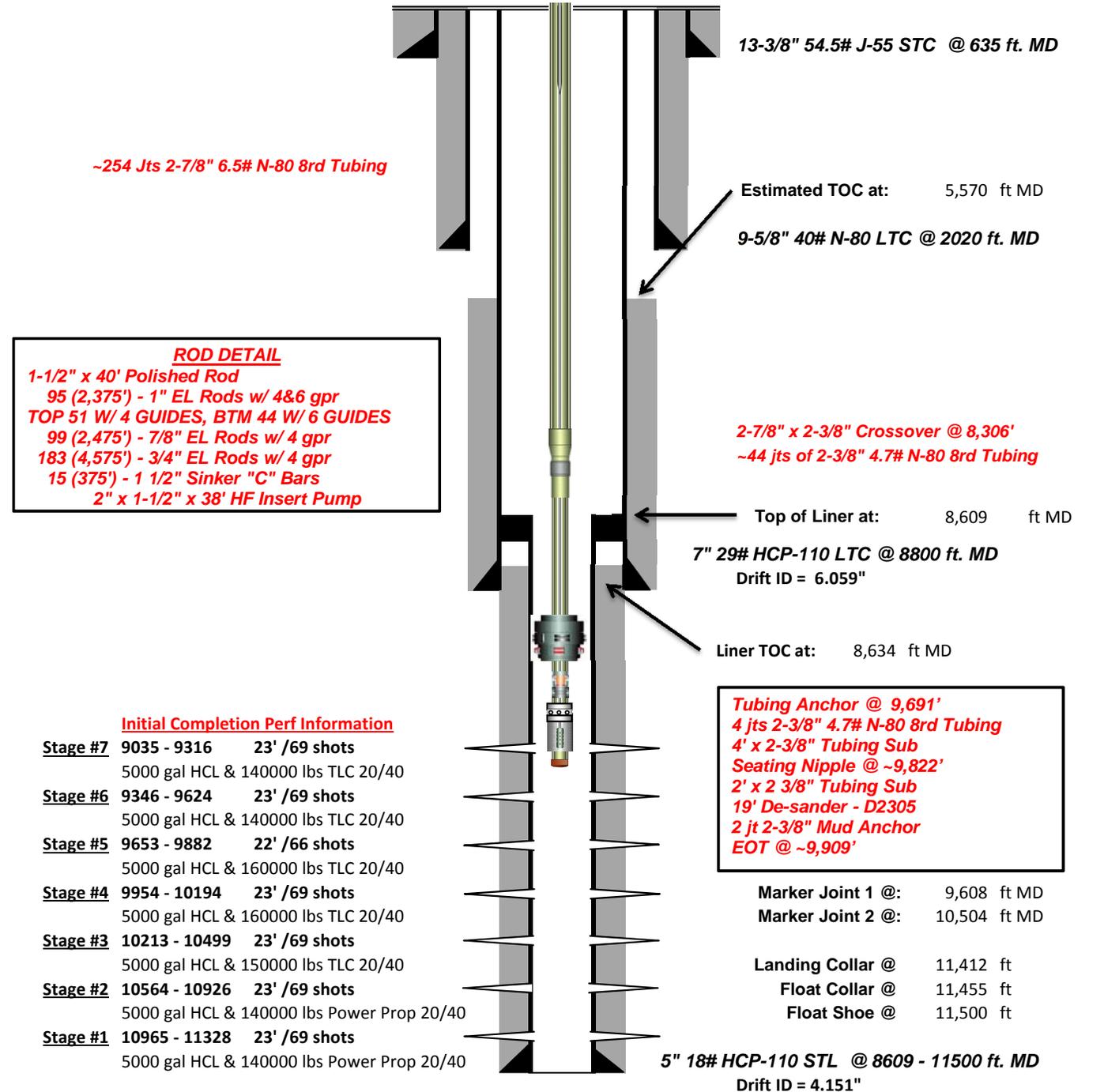
- POOH with rods & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing.
- Set 15M CBP for 5" 18# casing @ 9,010' and dump bail 15' cmt on top of plug.
- Stage 1:
 - Perforate new UW interval from **8,833' – 8,956'**.
 - Prop Frac perforations with **70,000** lbs 30/50 prop (w/ **6,000** lbs 100 mesh & **8,000** gals 15% HCl acid) (Stage 1 Recom).
- Stage 2:
 - RIH with 5" CBP & set @ 8,799'.
 - Perforate new UW/LGR interval from **8,640 – 8,784'**.
 - Prop Frac Perforations with **85,000** lbs 30/50 prop (w/ **6,000** lbs 100 mesh & **8,000** gals 15% HCl acid (Stage 2 Recom).
- Stage 3:
 - RIH with 7" CBP & set @ 8,299'.
 - Perforate new LGR interval from **8,140' – 8,284'**.
 - Acid Frac Perforations with **15,000** gals 15% HCl acid (Stage 3 Recom).
- Stage 4:
 - RIH w/ 7" CBP & set @ 7,968'.
 - Perforate new LGR interval from **7,745' – 7,953'**.
 - Prop Frac Perforations with **115,000** lbs 30/50 prop (w/ **6,000** lbs 100 mesh & **10,000** gals 15% HCl acid (Stage 4 Recom).
- Stage 5:
 - RIH w/ 7" CBP & set @ 7,684'.
 - Perforate new LGR interval from **7,516' – 7,669'**.
 - Prop Frac perforations with **90,000** lbs 30/50 prop (w/ **6,000** lbs 100 mesh & **8,500** gals 15% HCl acid) (Stage 5 Recom).
- Clean out well drilling up (3) 7" CBPs and (1) 5" CBP leaving 5" 15M CBP @ 9,010' w/ 15' CMT. (PBSD @ 8,995'). Top perf BELOW plugs @ 9,035'.
- RIH w/ production tubing, pump, and rods.
- Clean location and resume production.



D&D Pumping Wellbore Schematic

Well Name: **Duchesne City 2-19C4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne County, Utah**
 Surface Location: **Lat: 40°12'32.96813" N Long: 110°22'54.93421" W**
 Producing Zone(s): **Green River / Wasatch**

Last Updated: **12/10/2015**
 By: **Krug**
 TD: **11500**
 API: **43013526690000**
 AFE: **160898**

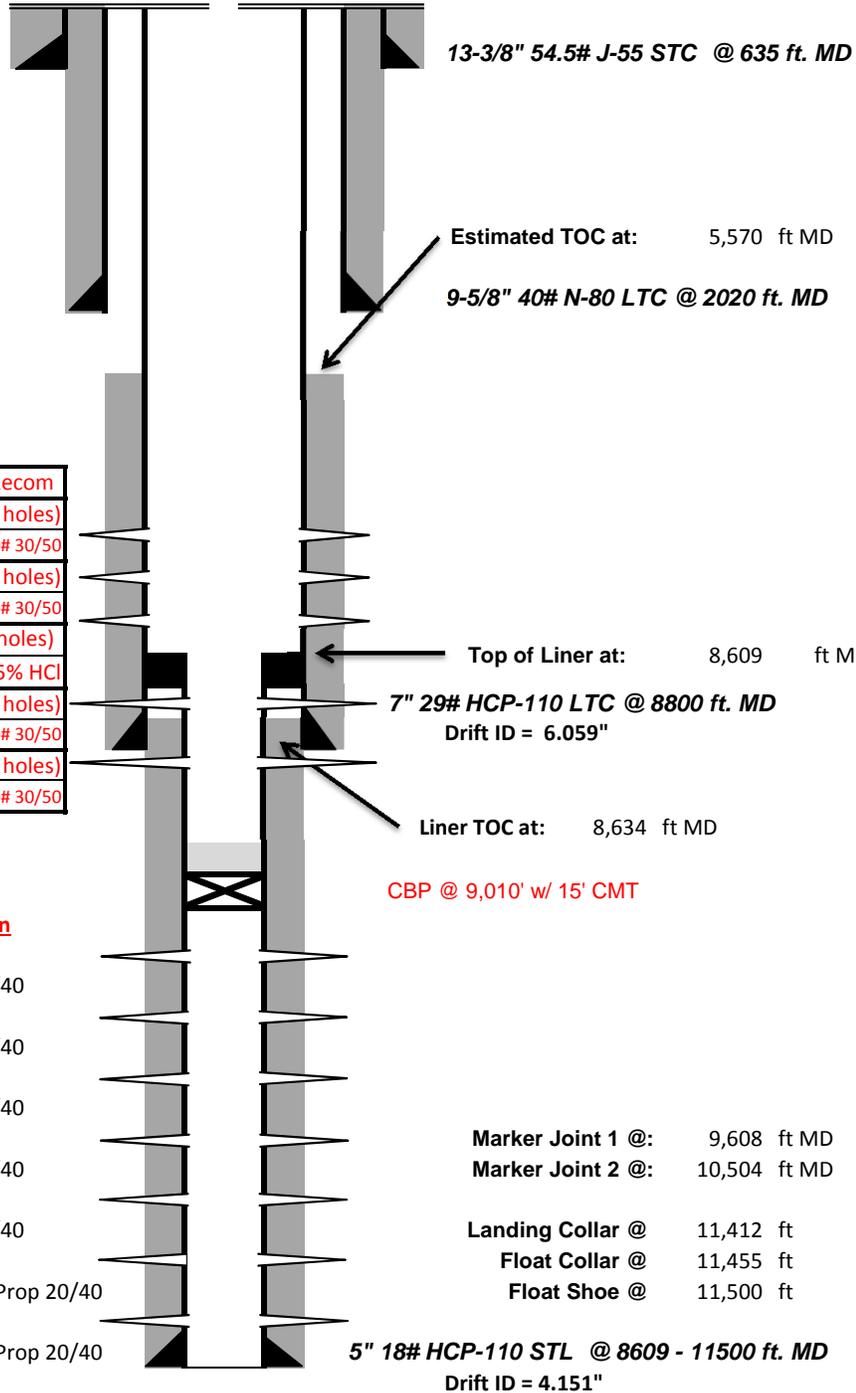




Proposed Recom Wellbore Schematic

Well Name: **Duchesne City 2-19C4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne County, Utah**
 Surface Location: **Lat: 40°12'32.96813" N Long: 110°22'54.93421" W**
 Producing Zone(s): **Green River / Wasatch**

Last Updated: **8/22/2016**
 By: **Krug**
 TD: **11500**
 API: **43013526690000**
 AFE:



2016 Recom	
STG 5: 7,516' - 7,669'	(22'/66 holes)
8,500 gals 15% HCl + 6,000lbs 100M + 90,000# 30/50	
STG 4: 7,745' - 7,953'	(22'/66 holes)
10,000 gals 15% HCl + 6,000lbs 100M + 115,000# 30/50	
STG 3: 8,140' - 8,284'	(18'/54 holes)
15,000 gals 15% HCl	
STG 2: 8,640' - 8,784'	(18'/54 holes)
8,000 gals 15% HCl + 6,000lbs 100M + 85,000# 30/50	
STG 1: 8,833' - 8,956'	(16'/48 holes)
8,000 gals 15% HCl + 6,000lbs 100M + 70,000# 30/50	

Initial Completion Perf Information

Stage #7	9035 - 9316	23' /69 shots
5000 gal HCL & 140000 lbs TLC 20/40		
Stage #6	9346 - 9624	23' /69 shots
5000 gal HCL & 140000 lbs TLC 20/40		
Stage #5	9653 - 9882	22' /66 shots
5000 gal HCL & 160000 lbs TLC 20/40		
Stage #4	9954 - 10194	23' /69 shots
5000 gal HCL & 160000 lbs TLC 20/40		
Stage #3	10213 - 10499	23' /69 shots
5000 gal HCL & 150000 lbs TLC 20/40		
Stage #2	10564 - 10926	23' /69 shots
5000 gal HCL & 140000 lbs Power Prop 20/40		
Stage #1	10965 - 11328	23' /69 shots
5000 gal HCL & 140000 lbs Power Prop 20/40		

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

AMENDED REPORT FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

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

U . S . B . & M .

12. COUNTY

13. STATE

UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

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

2. NAME OF OPERATOR:

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

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE:

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

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

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

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) 23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

25. TUBING RECORD

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

26. PRODUCING INTERVALS

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

27. PERFORATION RECORD

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

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

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

30. WELL STATUS:

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

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

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

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

35. ADDITIONAL REMARKS (Include plugging procedure)

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

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

This report must be submitted within 30 days of

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

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

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

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

CENTRAL DIVISION

ALTAMONT FIELD
DUCHESNE CITY 2-19C4
DUCHESNE CITY 2-19C4
RECOMPLETE LAND

Operation Summary Report

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

1 General**1.1 Customer Information**

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	DUCHESNE CITY 2-19C4		
Project	ALTAMONT FIELD	Site	DUCHESNE CITY 2-19C4
Rig Name/No.		Event	RECOMPLETE LAND
Start date	9/12/2016	End date	9/26/2016
Spud Date/Time	4/7/2014	UWI	DUCHESNE CITY 2-19C4
Active datum	KB @5,883.5usft (above Mean Sea Level)		
Afe No./Description	167170/57191 / DUCHESNE CITY 2-19C4		

2 Summary**2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
9/13/2016	6:00 8:00	2.00	MIRU	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPOERATIONS. FILL OUT & REVIEW JSA
	8:00 10:00	2.00	MIRU	01		P		MOVE RIG TO LOCATION. PULL TEST DEAD MEAN ANCHORS. SLIDE & LOCK OUT PUMPING UNIT. RU PEAK 1500
	10:00 14:30	4.50	WOR	06		P		WORK PUMP OFF SEAT. FLUSH RODS & TBG W/ 50 BBLS 2% KCL WTR. TOOH W/ 95 1" RODS, 99 7/8" RODS, 183 3/4" RODS (87 3/4" RODS HUNG IN DERRICK & 96 LAID DOWN FOR NEW ROD STAR), 15 WEIGHT RODS & 2" X 1-1/2" RHBC PUMP, FLUSHING AS NEEDED TO KEEP RODS CLEAN.
	14:30 17:00	2.50	WOR	16		P		ND WELL HEAD. REMOVE B-FLANGE & RE-LAND W/ 4" X 2-7/8"EUE PERFORATED PUP JTBELOW TBG HANGER (W/ 2 WAY CHECK INSTALLED IN TBG HANGER). NU BOP & TEST PIPE RAMS & BLIND RAMS TO 4000 PSI
	17:00 19:00	2.00	WOR	39		P		RU TBG SCANNING EQUIPMENT & SCAN OUT OF HOLE W/ 100 JTS 2-7/8"EUE TBG. SDFN W/ PIPE RAMS CLOSED & LOCKED, CSG VALVES CLOSED & CAPPED (BARRIERS 1 & 2) & TIW VALVE INSTALLED IN TBG CLOSED & CAPPED (BARRIERS 1 & 2)
9/14/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 11:00	4.00	WOR	39		P		CONTINUE TOOH W/ 154 JTS 2-7/8"EUE TBG, X-OVER, 44 JTS 2-7/8"EUE TBG, 5" NO/TURN TAC, 4 JTS 2-3/8"EUE TBG, 4' X 2-3/8"EUE PUP JT, SEAT NIPPLE, 2' X 2-3/8"EUE TBG, DESANDER, 2 JTS 2-3/8"EUE TBG & 2-3/8" EUE BULL PLUG.
	11:00 17:30	6.50	WOR	26		P		RU WIRELINE UNIT. RIH W/ 4" OD GUAGE RING TO 9040'. POOH. RIH W/ 6" OD GUAGE RING TO LINER TOP. POOH. RIH & SET MAGNUM 15K CBP @ 9010'. POOH W/ SETTING TOOL. RIH W/ DUMP BAILER & DUMP BAIL 15' CMT ON CBP. RD WIRELINE EQUIPMENT. SDFN W/ BLIND RAMS CLOSED & LOCKED (BARRIER 1),CBP (BARRIER 2) & CSG VALVES CLOSED & CAPPED (BARRIERS 1 & 2).
9/15/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:00 13:30	6.50	WOR	16		P		FILL CSG W/ 254 BBLS 2% KCL WTR. INSTALL TBG HANGER IN WELL HEAD W/ 2 WAY CHECK INSTALLED. ND BOP. NU FRAC VALVE. TEST FRAC VALVE TO 300 (LOW) PSI & 8500 PSI (HIGH). FOR 5 MINUTES. PRESSURE TEST CSG TO 8000 PSI FOR 30 MINUTES. NU FRAC STACK AS PER RECOM SOP. TEST EACH COMPONENT TO 300 PSI (LOW) & 8500 PSI (HIGH).
	13:30 16:30	3.00	STG01	21		P		RU WIRELINE UNIT & TEST LUBRICATOR TO 4000 PSI REPAIRING LEAKS IN LUBRICATOR AS NEEDED. RIH & ATTEMPT TO PERFORATE STAGE 1. PERF GUN SHOWED SHORT ON FIRST SHOT SELECTION.
	16:30 18:00	1.50	STG01	55		N		POOH & REPAIR SMASHED WIRE IN PERF GUN. RIH W/ PERF GUN.
	18:00		STG01	21		P		PERFORATE STAGE 1 FROM 8833' TO 8956'. BEGINNING PRESSURE 1000 PSI. ENDING PRESSURE 850 PSI. POOH W/ PERF GUN. SDFN W/ FRAC VALVE CLOSED (BARRIER 1), HCR VALVES CLOSED (BARRIERS 2 & 3) & CSG VALVES CLOSED & CAPPED (BARRIERS 1 & 2)
9/18/2016	6:00 7:00	1.00	STG01	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON FRAC SAFETY. FILL OUT & REVIEW JSA.
	7:00 8:30	1.50	STG01	35		P		BREAK DOWN STG 1 PERFORATIONS @ 4215 PSI PUMPING 9.3 BPM. TREAT STG 1 W/ 7500 GALLONS 15% ACID, FLUSHING TO BOTTOM PERF + 5 BBLS. ISIP 3082 PSI. FG. .78. 5 MIN SICP 2703 PSI. 10 MIN SICP 2589 PSI. 15 MIN SICP 2527 PSI. TREAT PERFORATIONS W/ 5950 POUNDS 100 MESH SAND IN 1/2 PPG STAGE & 71960 POUNDS 30/50 PREMIUM SAND IN 1/2 PPG, 1PPG, 1.75 PPG & 2.5 PPG STAGES. MAX PSI 5405 PSI. MAX RATE 75.4 BPM. AVG PSI 4494 PSI. AVG RATE 74.9 BPM FINAL ISIP 3714 PSI. FINAL FG .851. 5 MINUTE 3226 PSI. 10 MIN 3084 PSI. 3308 BBLS FLUID TO RECOVER. TURN WELL OVER TO WIRE LINE CREW
	8:30 10:30	2.00	STG02	42		N		WAIT FOR WIRELINE ENGINEER TO TRAVEL TO VERNAL UTAH & RETURN W/ CORRECT SUBS FOR SETTING TOOL
	10:30 12:30	2.00	STG02	21		P		SET CBP @ 8799'. PERFORATE STG 2 PERFS FROM 8640' TO 8784', USING 3-1/8" TITAN PERFECTA GUNS, 22.7 GRAM CHARGES 3 SPF @ 120 DEG PHASING, ALL PERFS CORRELATED TO LONE WOLF WIRELINE RADIAL CEMENT BOND GAMMA RAY / CCL LOG RAN 5/12/2014. RUN 1 STARTING PRESSURE 2300 PSI ENDING PRESSURE 1800 PSI. POOH & TURN WELL OVER TO FRAC CREW.
	12:30 14:00	1.50	STG02	35		P		BREAK DOWN STG 2 PERFORATIONS @ 3384 PSI PUMPING 10.1 BPM. TREAT STG 2 W/ 8000 GALLONS 15% ACID, FLUSHING TO BOTTOM PERF + 5 BBLS. ISIP 3004 PSI. FG. .778. 5 MIN SICP 2802 PSI. 10 MIN SICP 2698 PSI. 15 MIN SICP 2640 PSI. TREAT PERFORATIONS W/ 6040 POUNDS 100 MESH SAND IN 1/2 PPG STAGE & 84960 POUNDS 30/50 PREMIUM SAND IN 1/2 PPG, 1PPG, 1.5 PPG, 2 PPG & 3 PPG STAGES. MAX PSI 6848 PSI. MAX RATE 75.9 BPM. AVG PSI 4614 PSI. AVG RATE 74.8 BPM FINAL ISIP 2925 PSI. FINAL FG .769. 5 MINUTE SICP 2706 PSI. 10 MIN SICP 2672 PSI. 3482 BBLS FLUID TO RECOVER. DUE TO HIGHER THAN NORMAL PRESSURE DURING THE ACID & PAD STAGE, PUMPS WERE SHUT DOWN TO MAKE CALL TO RYAN KRUG. PER RYAN PUMPING RESUMED, 100 MESH STAGE WAS PUMPED & FLUSHED TO TOP PERF, EXTENDING THE SWEEP STAGE BEFORE 30 / 50 STAGES WERE PUMPED. WE SAW GOOD PRESSURE RELIEF & STAGED INTO .5 PPG 30 / 50 STAGE. 1 PPG STAGE WAS CROSSLINKED AS PER RYAN. TURN WELL OVER TO WIRE LINE CREW.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	14:00 17:00	3.00	STG03	21		P		SET CBP @ 7968'. PERFORATE STG 3 PERFS FROM 7745' TO 7953', USING 3-1/8" TITAN PERFECTA GUNS, 22.7 GRAM CHARGES 3 SPF @ 120 DEG PHASING, ALL PERFS CORRELATED TO LONE WOLF WIRELINE RADIAL CEMONT BOND GAMMA RAY / CCL LOG RAN 5/12/2014.RUN 1 STARTING PRESSURE 2550 PSI ENDING PRESSURE 1700 PSI. POOH & TURN WELL OVER TO FRAC CREW.
	17:00 18:30	1.50	STG03	35		P		BREAK DOWN STG 3 PERFORATIONS @ 3133 PSI PUMPING 9.8 BPM. TREAT STG 3 W/ 9000 GALLONS 15% ACID, FLUSHING TO BOTTOM PERF + 5 BBLS. ISIP 1599 PSI. FG. 637. 5 MIN SICP 1386 PSI. 10 MIN SICP 1281 PSI. 15 MIN SICP 1202 PSI. TREAT PERFORATIONS W/ 5978 POUNDS 100 MESH SAND IN 1/2 PPG STAGE & 115472 POUNDS 30/50 PREMIUM SAND IN .5 PPG, 1PPG, 1.5 PPG. 2 PPG & 3 PPG STAGES. MAX PSI 3133 PSI. MAX RATE 74.9 BPM. AVG PSI 2259 PSI. AVG RATE 73.89 BPM FINAL ISIP 1982 PSI. FINAL FG .686. 5 MINUTE sicp 1829 PSI. 10 MIN 1718 PSI. 3691 BBLS FLUID TO RECOVER. TURN WELL OVER TO WIRE LINE CREW
	18:30 21:30	3.00	STG04	21		P		SET CBP @ 7684'. PERFORATE STG 4 PERFS FROM 7516' TO 7669', USING 3-1/8" TITAN PERFECTA GUNS, 22.7 GRAM CHARGES 3 SPF @ 120 DEG PHASING, ALL PERFS CORRELATED TO LONE WOLF WIRELINE RADIAL CEMONT BOND GAMMA RAY / CCL LOG RAN 5/12/2014.RUN 1 STARTING PRESSURE 2550 PSI ENDING PRESSURE 11400 PSI. POOH & RD WIRELINE EQUIPMENT. SDFN W/ FRAC VALVE CLOSED (BARRIER 1), HCR VALVES CLOSED (BARRIERS 2 & 3) & CSG VALVES CLOSED & CAPPED (BARRIERS 1 & 2)
9/19/2016	6:00 8:00	2.00	STG04	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA.
	8:00 10:00	2.00	STG04	42		N		WAIT ON ACID TO ARRIVE ON LOCATION.
	10:00 12:00	2.00	STG04	35		P		MIX ACID IN ACID TANKS. PRESSURE TEST LINES. BREAK DOWN STAGE 4 PERFORATIONS @ 2280 PSI, PUMPING 5 BPM. BRING RATE UP TO 50 BPM THEN PERFORM STEP DOWN RATE TEST. ISIP 1607 PSI. FG .645. 5 MIN SICP 1250 PSI. 10 MIN SICP 1128 PSI. 15 MIN SICP 1060 PSI. TREAT STAGE 4 PERORATIONS W/ 17000 GALLONNS 15% HCL ACID USING 85 BIO BALL SEALERS, DROPPING 17 BIO BALLS EVERY 2833 BBLS ACID PUMPED & FLUSHING TO BOTTOM PERF + 10 BBLS. ISIP 1634 PSI. FINAL FG .648 5 MIN SICP 1373 PSI. 10 MIN SICP 1256 PSI. 15 MIN SICP 1174 PSI. SHUT WELL IN. MAX RATE 56.5 BPM. MAX PSI 3525 PSI. AVG RATE 46 BPM. AVG PSI 2285 PSI. 801 BBLS TO RECOVER
	12:00 15:00	3.00	STG04	16		P		RD FRAC EQUIPMENT
	15:00 6:00	15.00	FB	19		P		FLOW WELL TO FLOW BACK TANK
9/20/2016	6:00 6:30	0.50	FB	28		P		HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	6:30 11:00	4.50	FB	19		P		FLOW WELL TO FLOW BACK TANK WHILE RIG CREW ND UPPER HCR VALVE & GOAT HEAD.
	11:00 6:00	19.00	FB	19		P		OPEN WELL TO TREATOR. MONITOR FLOW BACK
9/21/2016	6:00 7:30	1.50	FB	19		P		CONTINUE FLOWING WELL TO TREATOR
	7:30 8:30	1.00	FB	19		P		OPEN WELL TO FLOW BACK TANK. BLEED PRESSURE TO 75 PSI
	8:30 10:30	2.00	WOR	15		P		PUMP 280 BBLS 10 PPG BRINE WTR DOWN CSG TO KILLL WELL. OBSERVE WELL @ 0 PSI FOR 30 MINUTES
	10:30 13:00	2.50	WOR	16		P		ND HCR VALVE. NU & TEST BOP STACK
	13:00 16:00	3.00	WOR	39		P		MU 6" BIT & BIT SUB. TALLY TBG & TIH W/ 236 JTS 2-7/8"EUE TBG. TAG CBP SET @ 7684'WLM @ 7691' TBG MEASUREMENT. RU POWER SWIVEL

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	16:00 22:00	6.00	WOR	10		P		BREAK REVERSE CIRCULATION. DRILL CBP'S SET @ 7684' & 7968', CIRCULATING TBG CLEAN & KILLING TBG BEFORE MAKING CONNECTION & TRIPPING TBG AS NEEDED. RD POWER SWIVEL.
	22:00 23:00	1.00	WOR	18		P		TOOH W/ 20 JTS 2-7/8"EUE TBG. RU FLOWLINE TO TBG
	23:00 6:00	7.00	WOR	19		P		OPEN WELL TO FLOW BACK TANK
9/22/2016	6:00 6:30	0.50	FB	28		P		HOLD SAFETY MEETING ON FLOW BACK OPERATIONS. FILL OUT & REVIEW JSA
	6:30 6:00	23.50	FB	19		P		FLOW WELL TO PRODUCTION FACILITY. RECOVERED 68 BBLS OIL & 853 BBLS WTR. CSG PSI @ REPORT TIME 625 PSI. TBG PSI 320 PSI, ON A 28/64" CHOKE
9/23/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 8:30	1.50	WOR	15		P		OPEN WELL TO FLOW BACK TANK. PUMP 40 BBLS 10 PPG BRINE WTR DOWN TBG. TIH TO LINER TOP.
	8:30 10:00	1.50	WOR	39		P		TIH TO LINER TOP. RU POWER SWIVEL & BREAK REVERSE CIRCULATION
	10:00 13:00	3.00	WOR	10		P		FINISH DRILLING 7" CBP REMAINS
	13:00 14:00	1.00	WOR	39		P		KILL TBG W/ 40 BBLS 10 PPG BRINE WTR. RD POWER SWIVEL. TOOH W/ 40 JTS 2-7/8"EUE TBG.
	14:00 16:00	2.00	WOR	15		P		CIRCULATE WELL DEAD W/ 280 BBLS 10 PPG BRINE WTR
9/24/2016	16:00 20:30	4.50	WOR	39		P		TOOH W/ 224 JTS 2-7/8"EUE TBG. LD 6" BIT & BIT SUB. TIH W/ 4-1/8"OD BIT, BIT SUB, 16 JTS 2-3/8"EUE TBG, X-OVER & 104 JTS 2-7/8"EUE TBG. SDFN W/ SPHERICAL BOP CLOSED (BARRIER 1), PIPE RAMS CLOSED (BARRIER 2), CSG VALVES CLOSED & CAPPED (BARRIERS 1 & 2) & TIW VALVE INSTALLED IN TBG, CLOSED & CAPPED (BARRIERS 1 & 2)
	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 8:30	1.50	WOR	15		P		PUMP 20 BBLS 10 PPG BRINE WTR DOWN TBG
	8:30 10:00	1.50	WOR	39		P		TIH W/ 198 JTS 2-7/8"EUE TBG. TAG & WORK BIT THROUGH LINER TOP. CONTINUE IN HOLE TAG SAND 9' ABOVE CBP SET @ 8799'.
	10:00 14:30	4.50	WOR	10		P		RU POWER SWIVEL & BREAK REVERSE CIRCULATION. CLEAN OUT SAND & DRILL CBP SET @ 8799'. CIRCULATE CLEAN & KILL TBG. CONTINUE IN HOLE. TAG SAND 40' ABOVE CMT TOP @ 8995'. DRILL CBP REMAINS & CIRCULATE SAND TO CMT @ 8995. CIRCULATE CLEAN & KILL TBG W/ 30 BBLS 10PPG BRINE WTR.
9/25/2016	14:30 16:30	2.00	WOR	39		P		RD POWER SWIVEL. LD 33 JTS 2-7/8"EUE TBG. STAND BACK 36 JTS 2-7/8"EUE TBG. SDFN W/ SPHERICAL BOP CLOSED (BARRIER 1), PIPE RAMS CLOSED (BARRIER 2), CSG VALVES CLOSED & CAPPED (BARRIERS 1 & 2) & TIW VALVE INSTALLED IN TBG, CLOSED & CAPPED (BARRIERS 1 & 2) 5710
	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 9:00	2.00	WOR	15		P		SITP 400 PSI. SICP 500 PSI. OPEN CSG TO FLOW BACK TANK. PUMP 300 BBLS 10 PPG BRINE WTR DOWN TBG TO KILL WELL.
	9:00 15:00	6.00	WOR	39		P		STAND BACK 192 JTS 2-7/8"EUE TBG. LD X-OVER, 16 JTS 2-3/8"EUE TBG, BIT SUB & BIT. TIH W/ 5-3/4"OD SOLID NO/GO, 2 JTS 2-7/8"EUE TBG, 5-1/2"OD PBGA, 4' X 2-7/8"EUE PUP JT, TBG PUMP BARREL ASSEMBLY, 4 JTS 2-7/8"EUE TBG, TAC & 227 JTS 2-7/8"EUE TBG. INSTALL 6' PUP JT & HANGER. SET TAC @ 7427' IN 20K TENSION. MECHANICAL SN @ 7603'. EOT @ 7707'. LAND TBG ON TBG HANGER.
	15:00 17:30	2.50	WOR	16		P		ND BOP STACK. PU ON TBG & REMOVE TBG HANGER & PUP JT. INSTALL B-FLANGE.. LAND TBG IN 20K TENSION. NU WELL HEAD & INSTALL CAP TUBE. SDFN

9/27/2016

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	6:00 8:00	2.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	8:00 10:30	2.50	WOR	15		P		SITP 0 PSI. SICP 900 PSI. OPEN CSG TO FLOW BACK TANK. FLUSH TBG W/ 50 BBLS 2% KCL WTR. KILL TBG W/ 20 BBLS 10 PPG BRINE WTR. DROP STANDING VALVE & PUMP 50 BBLS 10 PPG BRINE WTR
	10:30 13:00	2.50	WOR	39		P		TIH W/ PLUNGER ASSEMBLY, 15 WEIGHT RODS, 87 3/4" RODS, 107 7/8" RODS (7 NEW) & 95 1" RODS. SPACE OUT W/ 2' X 1" PONY ROD & 40' X 1-1/2" POLISH ROD. STROKE TEST PUMP TO 1000 PSI.
	13:00 16:00	3.00	RDMO	02		P		RD RIG. SLIDE PUMPING UNIT. HANG ROD STRING. TURN WELL OVER TO LEASE OPERATOR. MOVE RIG TO THE UTE 2-33Z2