

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 Kushmaul 3-23C4
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 NORTH MYTON BENCH
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') Ronald J. Kushmaul		14. SURFACE OWNER PHONE (if box 12 = 'fee') 2086999272
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 1206 North 15th Street, ,		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	1144 FNL 990 FEL	NENE	23	3.0 S	4.0 W	U
Top of Uppermost Producing Zone	1144 FNL 990 FEL	NENE	23	3.0 S	4.0 W	U
At Total Depth	1144 FNL 990 FEL	NENE	23	3.0 S	4.0 W	U

21. COUNTY DUCHESNE	22. DISTANCE TO NEAREST LEASE LINE (Feet) 990	23. NUMBER OF ACRES IN DRILLING UNIT 640
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2000	26. PROPOSED DEPTH MD: 11900 TVD: 11900	
27. ELEVATION - GROUND LEVEL 5883	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 - 750	54.5	J-55 ST&C	8.8	Class G	1606	1.15	15.8
Surf	12.25	9.625	0 - 2500	40.0	N-80 LT&C	9.3	Unknown	303	3.16	11.0
							Unknown	191	1.33	14.3
I1	8.75	7	0 - 8820	29.0	HCP-110 LT&C	10.5	Unknown	309	3.1	11.0
							Unknown	91	1.91	12.5
L1	6.125	5	8620 - 11900	18.0	P-110 ST-L	13.8	Unknown	194	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 10/13/2013	EMAIL maria.gomez@epenergy.com
API NUMBER ASSIGNED 43013525530000		APPROVAL

**Kushmaul 3-23C4
Sec. 23, 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)	4,000' TVD
Green River (GRTN1)	4,800' TVD
Mahogany Bench	5,740' TVD
L. Green River	7,090' TVD
Wasatch	8,840' TVD
T.D. (Permit)	11,900' TVD

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River (GRRV)	4,000' MD / TVD
	Green River (GRTN1)	4,800' MD / TVD
	Mahogany Bench	5,740' MD / TVD
Oil	L. Green River	7,090' MD / TVD
Oil	Wasatch	8,840' MD / TVD

3. Pressure Control Equipment: (Schematic Attached)

A 4.5" by 20.0" rotating head on structural pipe from surface to 750' MD/TVD. A 4.5" by 13-3/8" Smith Rotating Head from 750' MD/TVD to 2,500' MD/TVD on Conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 2,500' MD/TVD to 8,820' MD/TVD. A 10M BOE w/ rotating head, 5M annular, blind rams & mud cross from 8,820' MD/TVD to TD (11,900' MD/TVD).

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

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

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

cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with 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 # 404 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 750' - TD
- B) Mud logger with gas monitor – 2,500' to TD (11,900' MD/TVD)
- C) Choke manifold with one manual and one hydraulic operated choke
- D) Full opening floor valve with drill pipe thread
- E) Upper and lower Kelly cock
- F) Shaker, de-sander and centrifuge

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

Please refer to the attached Wellbore Diagram.

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

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

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

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.8 – 9.3
Intermediate	WBM	9.3 – 10.5
Production	WBM	10.5 – 13.8

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: 2,500' MD/TVD – TD (11,900' MD/TVD)

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

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 11,900' TVD equals approximately 8,539 psi. This is calculated based on a 0.7176 psi/ft gradient (13.8 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 5,921 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

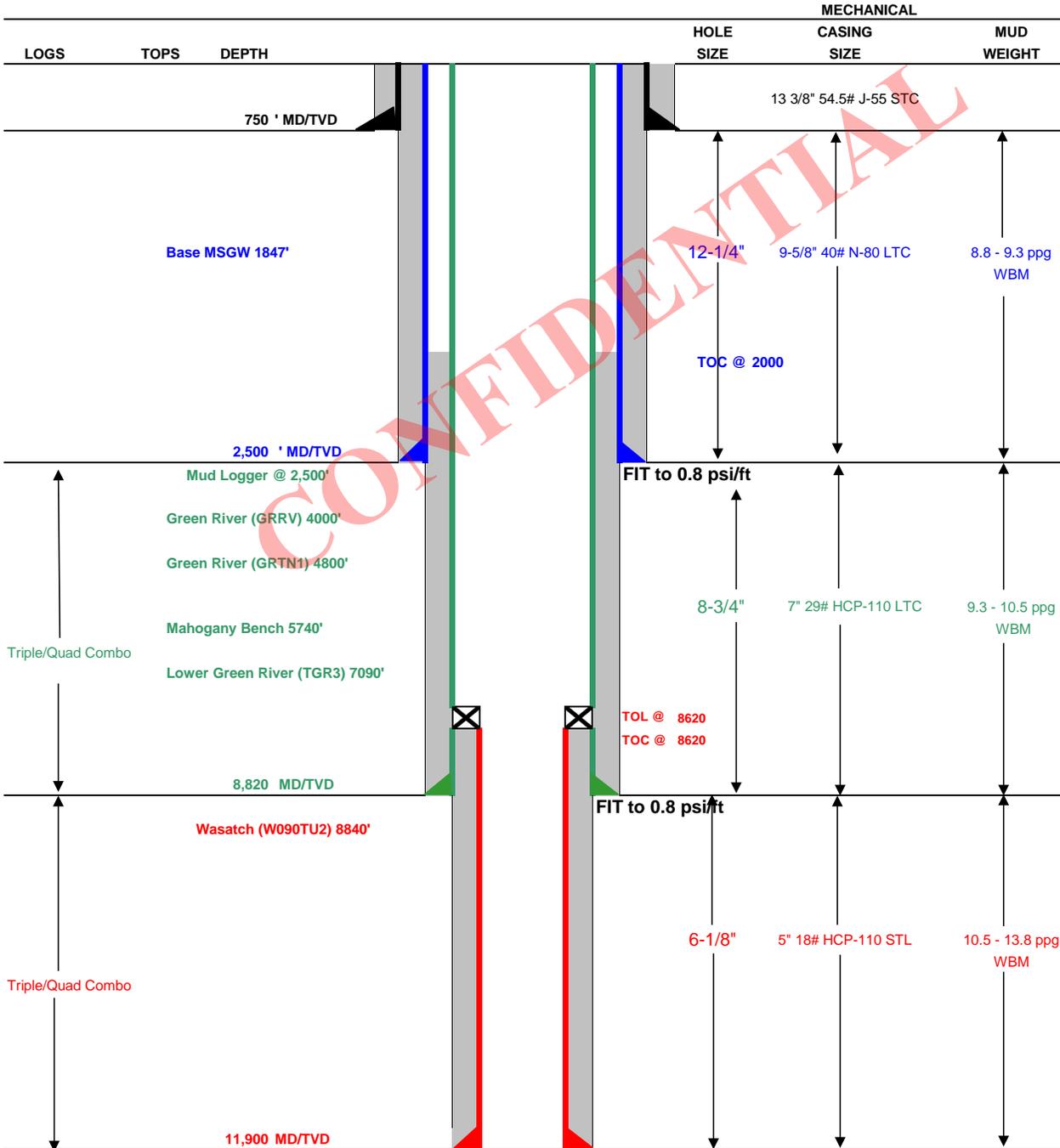
Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 8,820' TVD = 7,056 psi

BOPE and casing design will be based on the lesser of the two MASPs which is 5,921 psi.

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

Drilling Schematic

Company Name: EP ENERGY	Date: October 11, 2013
Well Name: Kushmaul 3-23C4	TD: 11,900
Field, County, State: Altamont, Duchesne, Utah	AFE #: TBD
Surface Location: Sec 23 T3S R4W 1144' FNL 990' FEL	BHL: Straight Hole
Objective Zone(s): Green River, Wasatch	Elevation: 5882.8
Rig: Precision 404	Spud (est.): TBD
BOPE Info: 4.5 x 13 3/8 rotating head from 750' to 2,500' 11 5M BOP stack and 5M kill lines and choke manifold used from 2,500' to 8,820' 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 8,820' to TD	



DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	750	54.5	J-55	STC	2,740	1,130	514
SURFACE	9-5/8"	0	2500	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0	8820	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5'	8620	11900	18.00	HCP-110	STL	13,950	14,360	495

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		750	Class G + 3% CACL2	1606	100%	15.8 ppg	1.15
SURFACE	Lead	2,000	EXTENDACEM (TM) SYSTEM: 5 lbm/sk Silicalite Compacted + 0.25 lbm/sk Kwik Seal + 0.125 lbm/sk Poly-E-Flake + 2% Bentonite	303	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	5,820	EXTENDACEM (TM) SYSTEM: 4% Bentonite + 0.4% Econolite + 0.2% Halad(R)-322 + 3 lbm/sk Silicalite Compacted + 1.2% HR-5 + 0.125 lbm/sk Poly-E-Flake	309	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		3,280	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	194	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 7,000'.
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.
KUSHMAUL 3-23C4
SECTION 23, T3S, R4W, U.S.B.&M.

PROCEED NORTH ON PAVED STATE HIGHWAY 87 FROM THE INTERSECTION OF STATE HIGHWAY 87 WITH U.S. HIGHWAY 40 IN DUCHESNE, UTAH APPROXIMATELY 3.54 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL EAST ON GRAVEL ROAD 3.87 MILES TO AN INTERSECTION;

CONTINUE EAST ON A GRAVEL ROAD 0.99 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD;

TURN RIGHT AND FOLLOW ROAD FLAGS SOUTH 0.25 MILE TO THE PROPOSED LOCATION;

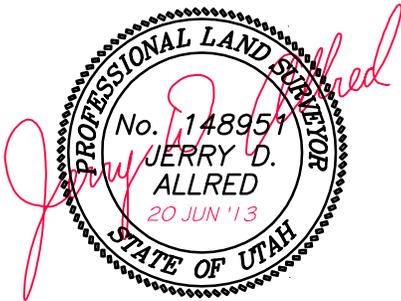
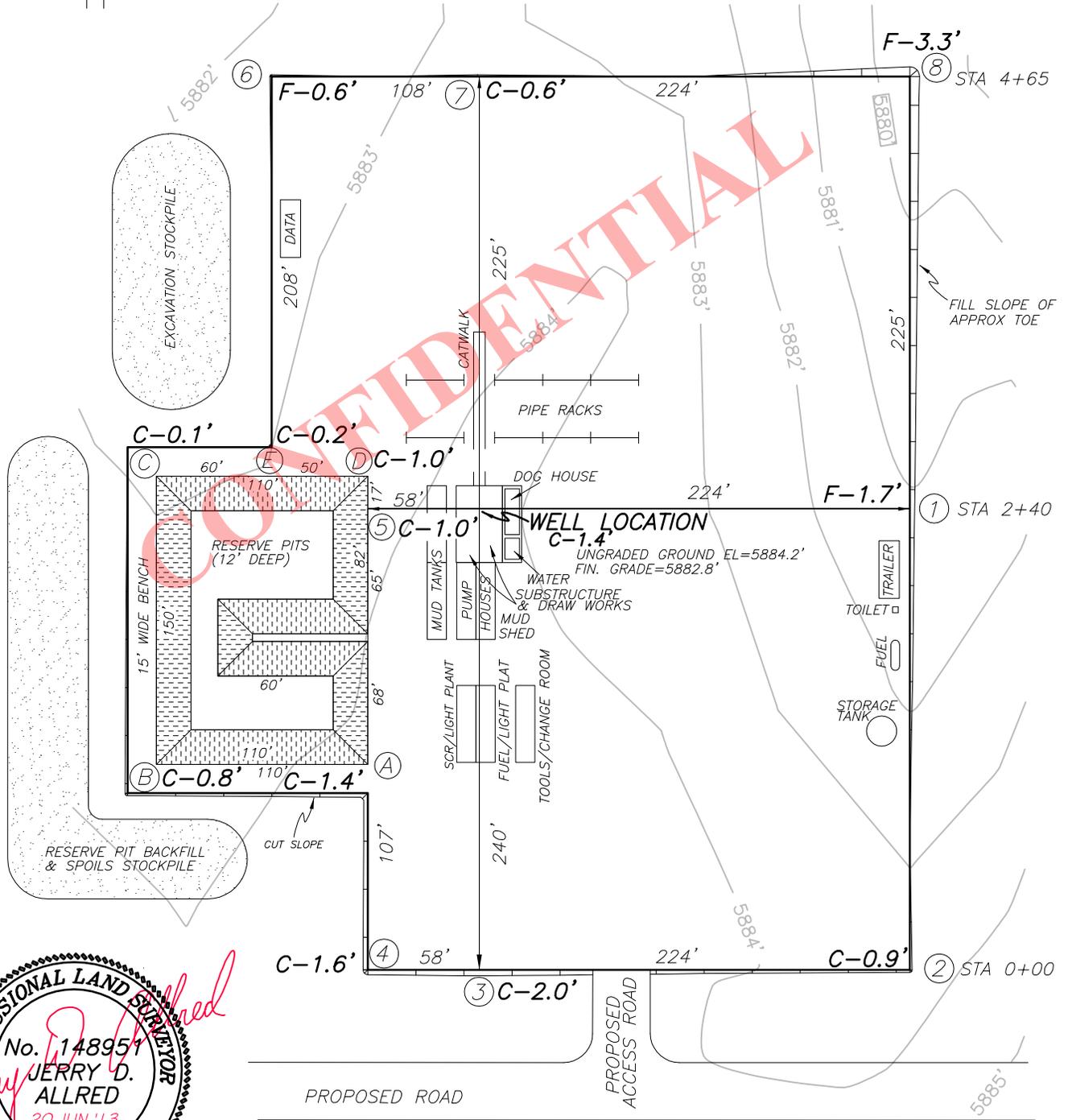
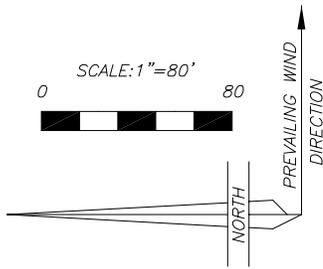
TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 8.65 MILES.

CONFIDENTIAL

EP ENERGY E & P COMPANY, L.P.

FIGURE #1

LOCATION LAYOUT FOR
KUSHMAUL 3-23C4
SECTION 23, T3S, R4W, U.S.B.&M.
1144' FNL, 990' FEL



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

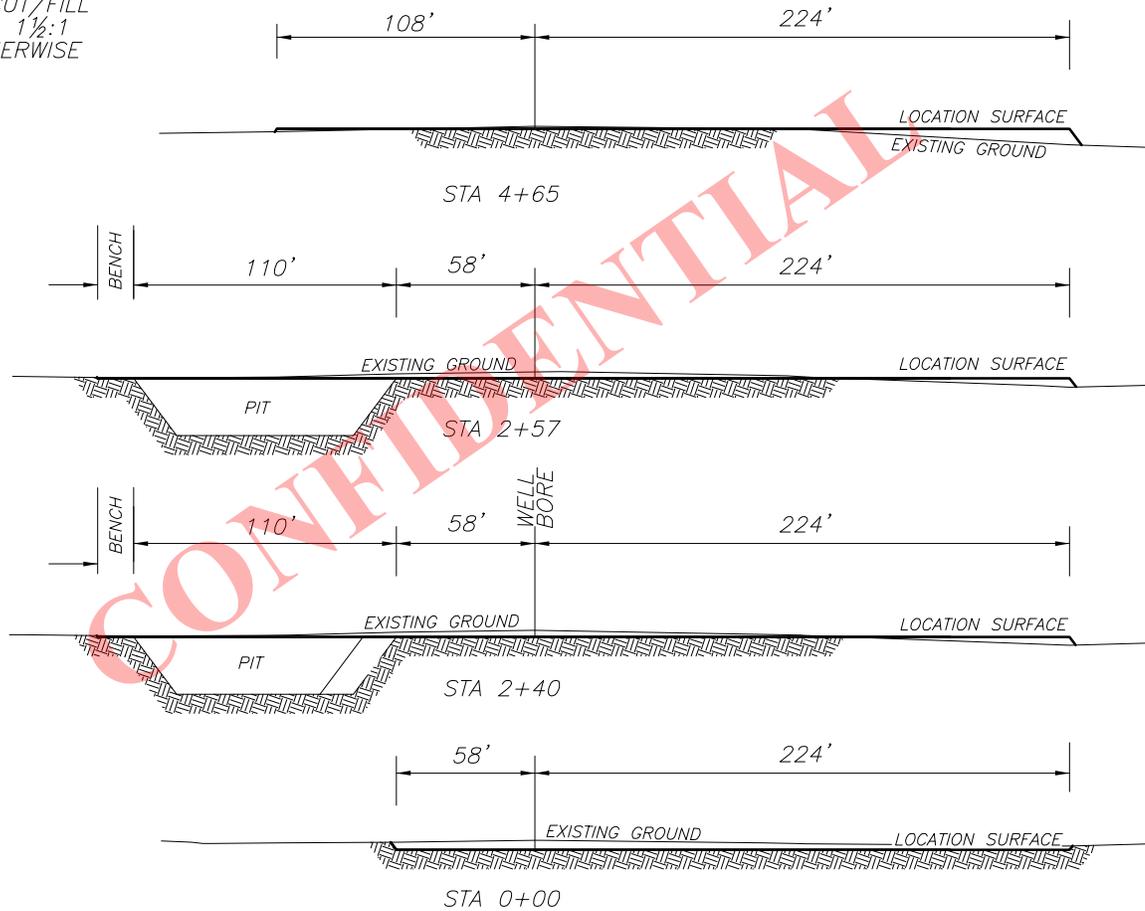
EP ENERGY E & P COMPANY, L.P.

FIGURE #2

LOCATION LAYOUT FOR
KUSHMAUL 3-23C4
SECTION 23, T3S, R4W, U.S.B.&M.
1144' FNL, 990' FEL

1"=40'
X-SECTION
SCALE
1"=80'

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



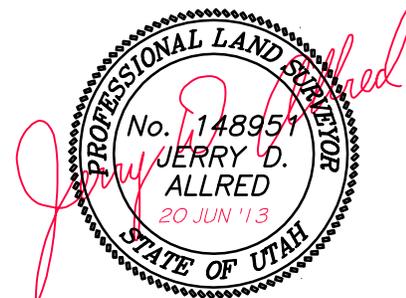
APPROXIMATE YARDAGES

TOTAL CUT (INCLUDING PIT) = 10,344 CU. YDS.

PIT CUT = 4955 CU. YDS.
TOPSOIL STRIPPING: (6") = 3080 CU. YDS.
REMAINING LOCATION CUT = 2309 CU. YDS

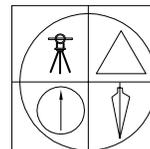
TOTAL FILL = 2309 CU. YDS.

LOCATION SURFACE GRAVEL=1653 CU. YDS. (4" DEEP)
ACCESS ROAD GRAVEL=23 CU. YDS.



20 JUN 2013

01-128-409



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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DUCHESNE, UTAH 84021
(435) 738-5352

Received: October 13, 2013

EXISTING ROAD
TO QUARTER CORNER 1374.52'

MOON LAND & LIVE STOCK LTD PARTNERSHIP
SE1/4
SE1/4
SE1/4

13+16.51
12+54.13
1272.57'
N 89°45'36" W 2647.09'

SEC 14
SEC 23
SEC 24
SEC 13

FOUND FEDERAL MONUMENT AT SECTION CORNER

PROPOSED ROAD
PROPOSED PIPELINE
KUSHMAUL PROPERTY LOT 23-4

PROPOSED 40' WIDE PIPELINE RIGHT-OF-WAY

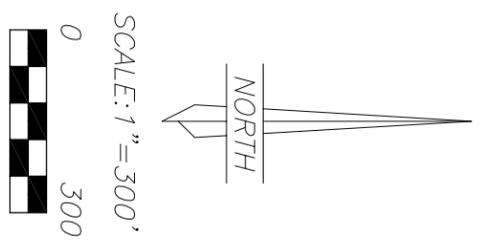
KUSHMAUL PROPERTY LOT 23-5

1762.07'
S 45°33'44" W

NE1/4
NE1/4
NE1/4

KUSHMAUL PROPERTY LOT 23-12
KUSHMAUL PROPERTY LOT 23-13

FOUND FEDERAL MONUMENT AT SECTION CORNER



EP ENERGY E & P CO, L.P.
SURFACE USE AREA
KUSHMAUL 3-23C4
6.33 ACRES

LINE	BEARING	DISTANCE
L1	S89°58'23"W	525.00'
L2	N00°01'37"W	525.00'
L3	N89°58'23"E	525.00'
L4	S00°01'37"E	525.00'
L5	N89°58'37"W	15.12'
L6	N00°01'57"E	1239.01'
L7	N00°01'57"E	7.01'
L8	N16°13'26"W	55.37'

LAFEEEN INVESTMENT PROPERTY LOT 23-20

SE1/4
NE1/4

N 00°06'43" W 2612.40'

N 37°11'57" W 1424.98'

FOUND COUNTY MONUMENT AT QUARTER CORNER

LOCATION USE AREA AND PIPELINE
RIGHT-OF-WAY SURVEY FOR
EP ENERGY E&P COMPANY, L.P.
KUSHMAUL 3-23C4
SECTIONS 14 AND 23, T3S, R4W, U.S.B.&M.
DUCHESSNE COUNTY, UTAH

USE AREA BOUNDARY DESCRIPTION

Commencing at the East Quarter Corner of Section 23, Township 3 South, Range 4 West of the Uintah Special Base and Meridian;
Thence North 31°11'57" West 1424.98 feet to the TRUE POINT OF BEGINNING;
Thence South 89°58'23" West 525.00 feet;
Thence North 00°01'37" West 525.00 feet;
Thence North 89°58'23" East 525.00 feet;
Thence South 00°01'37" East 525.00 feet to the TRUE POINT OF BEGINNING, containing 6.33 acres.

PIPELINE RIGHT-OF-WAY DESCRIPTION

A 40 feet wide pipeline right-of-way over portions of Sections 14 and 23, Township 3 South, Range 4 West of the Uintah Special Base and Meridian, the centerline of said right-of-way being further described as follows:
Commencing at the Northeast Corner of Section 23, Township 3 South, Range 4 West of the Uintah Special Base and Meridian;
Thence South 45°33'44" West 1762.07 feet to the TRUE POINT OF BEGINNING;
Thence North 89°58'37" West 15.12 feet;
Thence North 00°01'57" East 1239.01 feet to a point on the south line of the Southeast Quarter of Section 14, Township 3 South, Range 4 West of the Uintah Special Base and Meridian which bears North 89°45'36" West 1272.57 feet from the Southeast corner of said Section 14;
Thence North 00°01'57" East 7.01 feet;
Thence North 16°13'26" West 55.37 feet to an existing pipeline. Said right-of-way being 1316.51 feet in length with the side lines being shortened or elongated to intersect said use area boundary and existing pipeline.

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 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, REGISTERED LAND SURVEYOR,
CERTIFICATE NO. 148951 (UTAH)

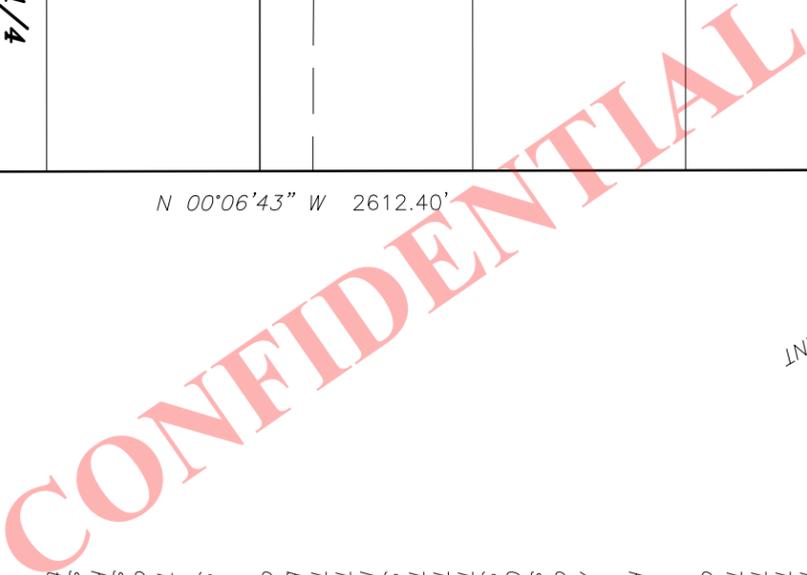
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

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

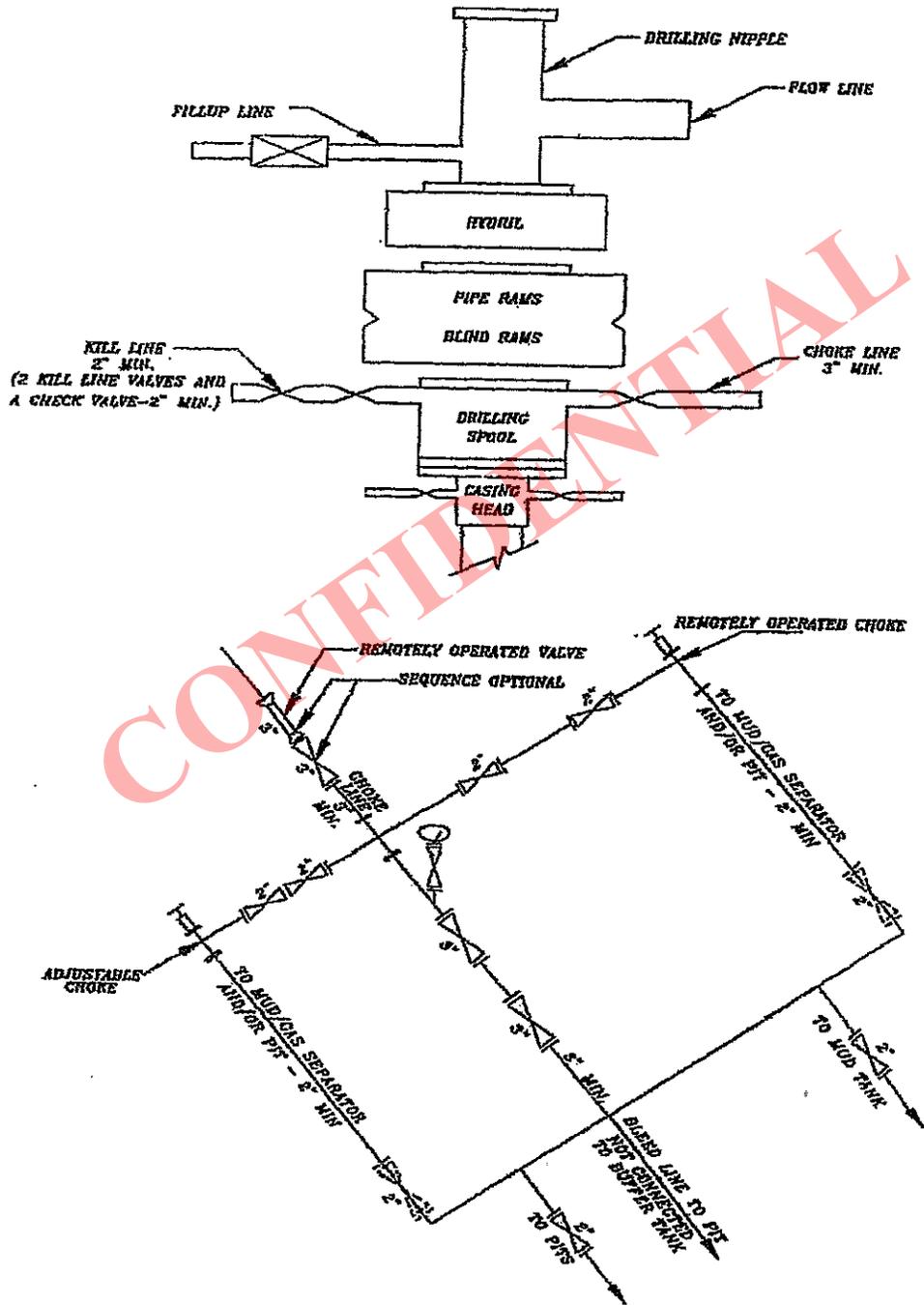
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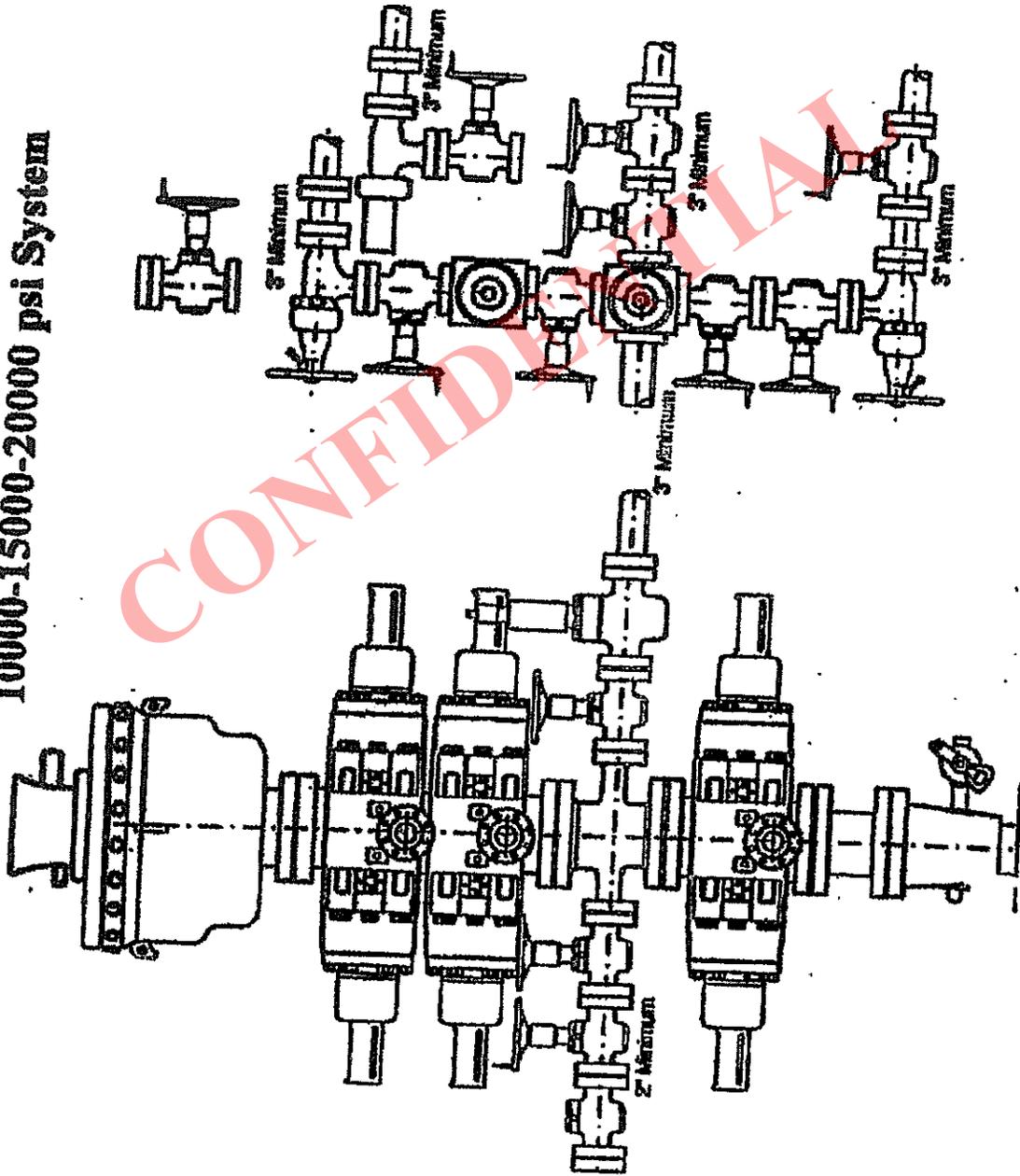
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESSNE, UTAH 84021
(435) 738-5352



5M BOP STACK and CHOKE MANIFOLD SYSTEM



10000-15000-20000 psi System

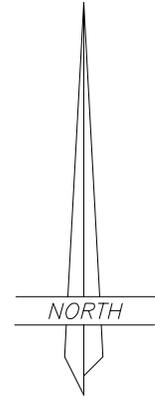
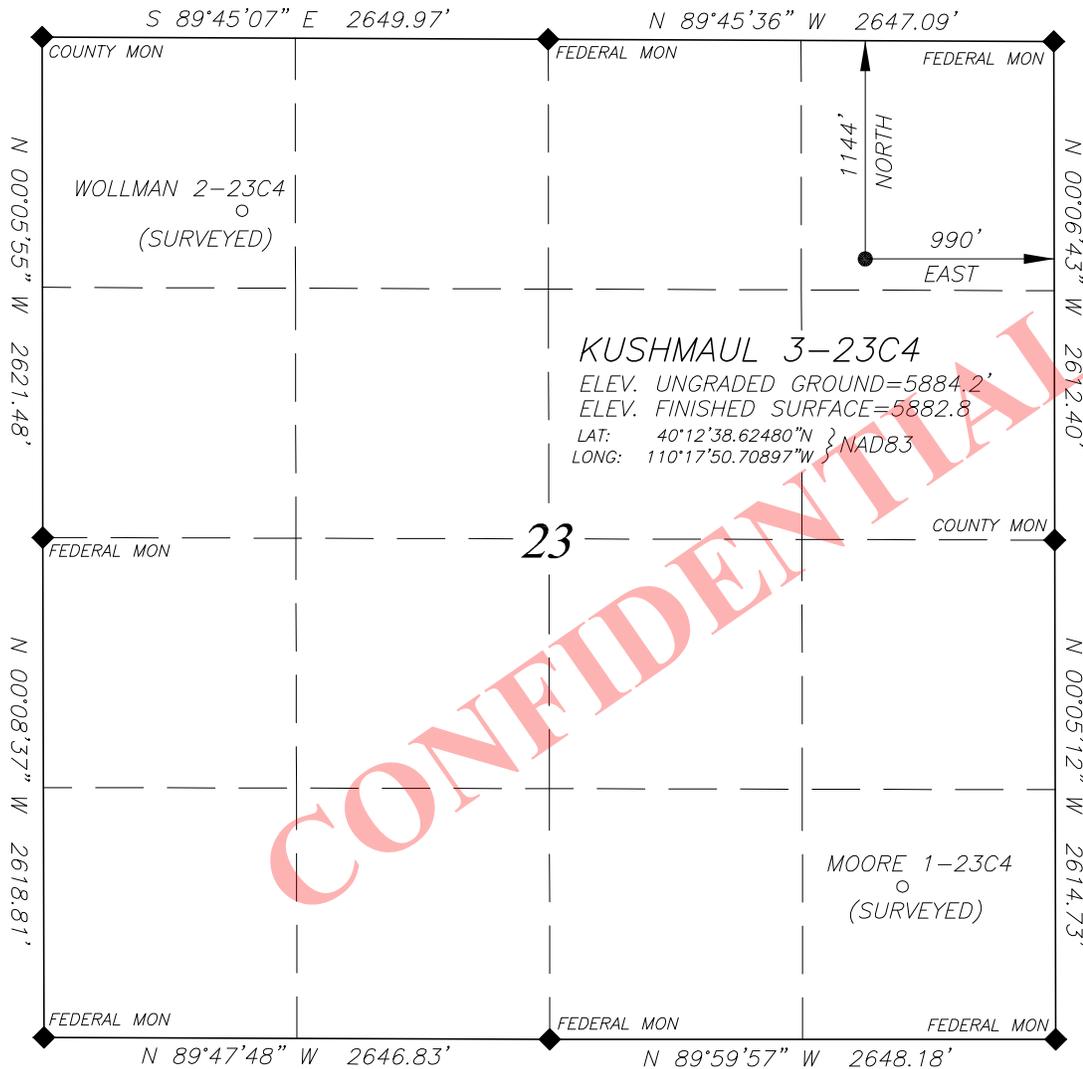


EP ENERGY E & P COMPANY, L.P.

WELL LOCATION

KUSHMAUL 3-23C4

LOCATED IN THE NE¹/₄ OF THE NE¹/₄ OF SECTION 23, T3S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH



SCALE: 1" = 1000'



NOTE:
 NAD27 VALUES FOR WELL POSITION:
 LAT: 40.210771392° N
 LONG: 110.296708953° 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

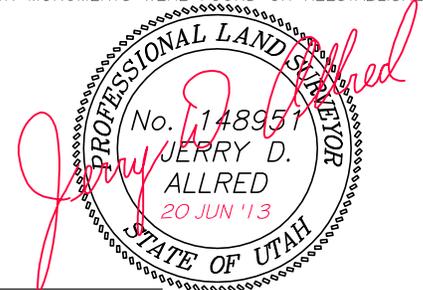
◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

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

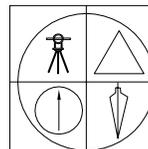
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BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM



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

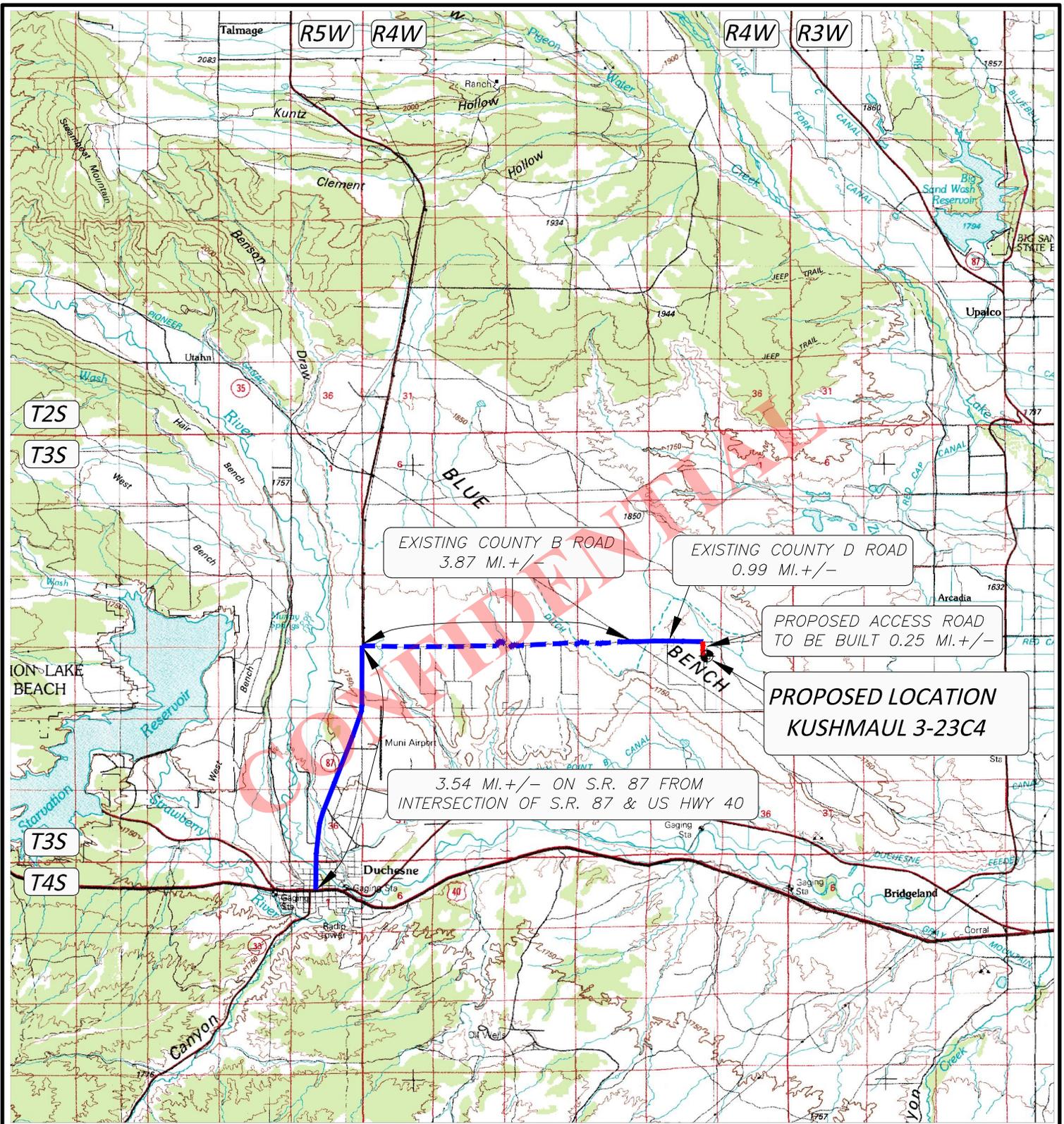


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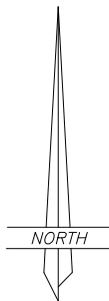
LEGEND:

PROPOSED WELL LOCATION

01-128-409

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(435) 738-5352



EP ENERGY E & P COMPANY, L.P.

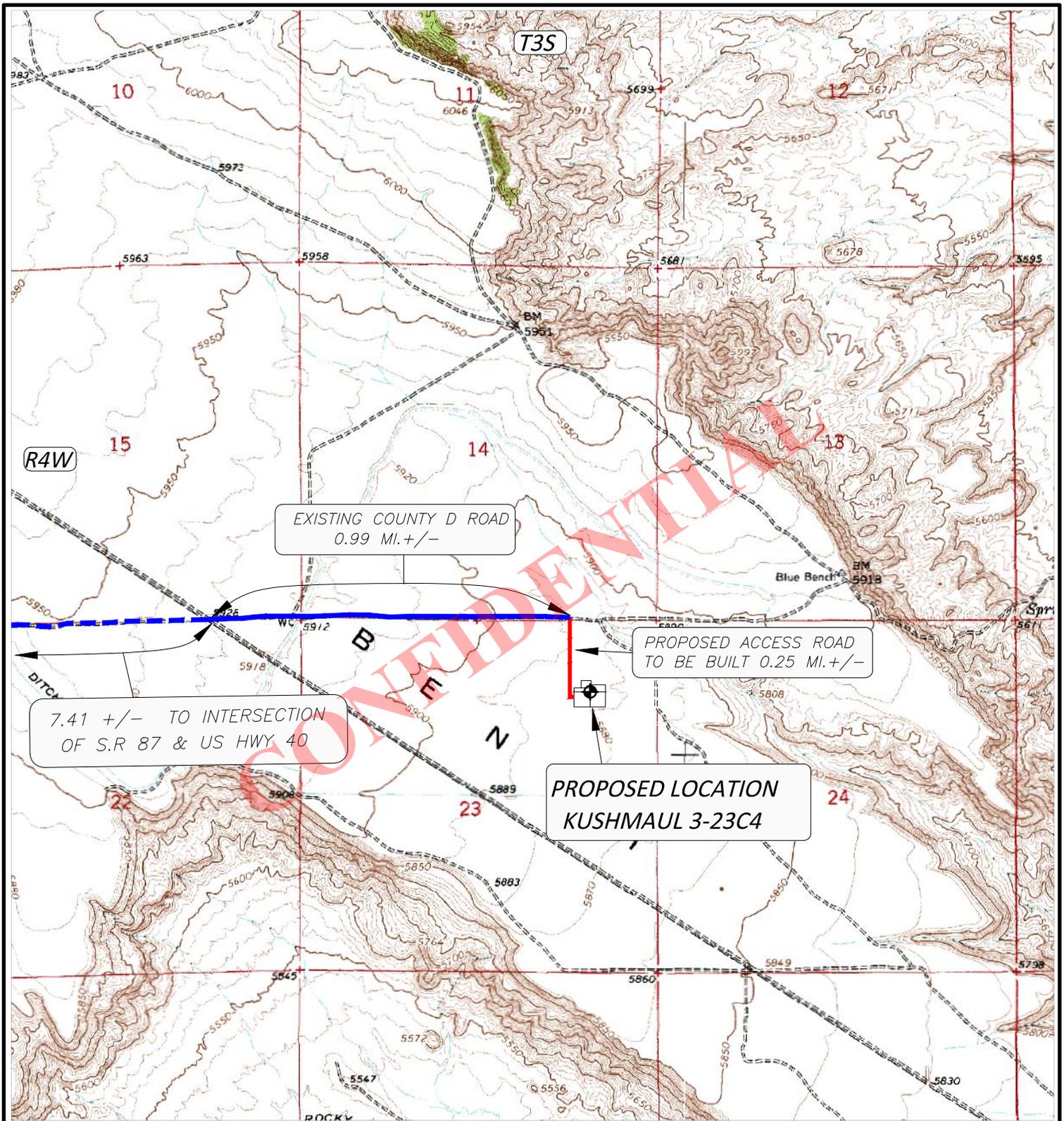
KUSHMAUL 3-23C4
SECTION 23, T3S, R4W, U.S.B.&M.

1144' FNL 990' FEL

TOPOGRAPHIC MAP "A"

SCALE; 1"=10,000'
12 JUN 2013

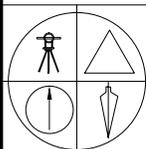
Received: October 13, 2013



LEGEND:

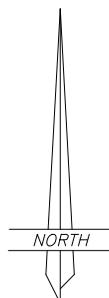
-  PROPOSED WELL LOCATION
-  PROPOSED ACCESS ROAD
-  EXISTING GRAVEL ROAD
-  EXISTING DIRT ROAD

01-128-409



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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



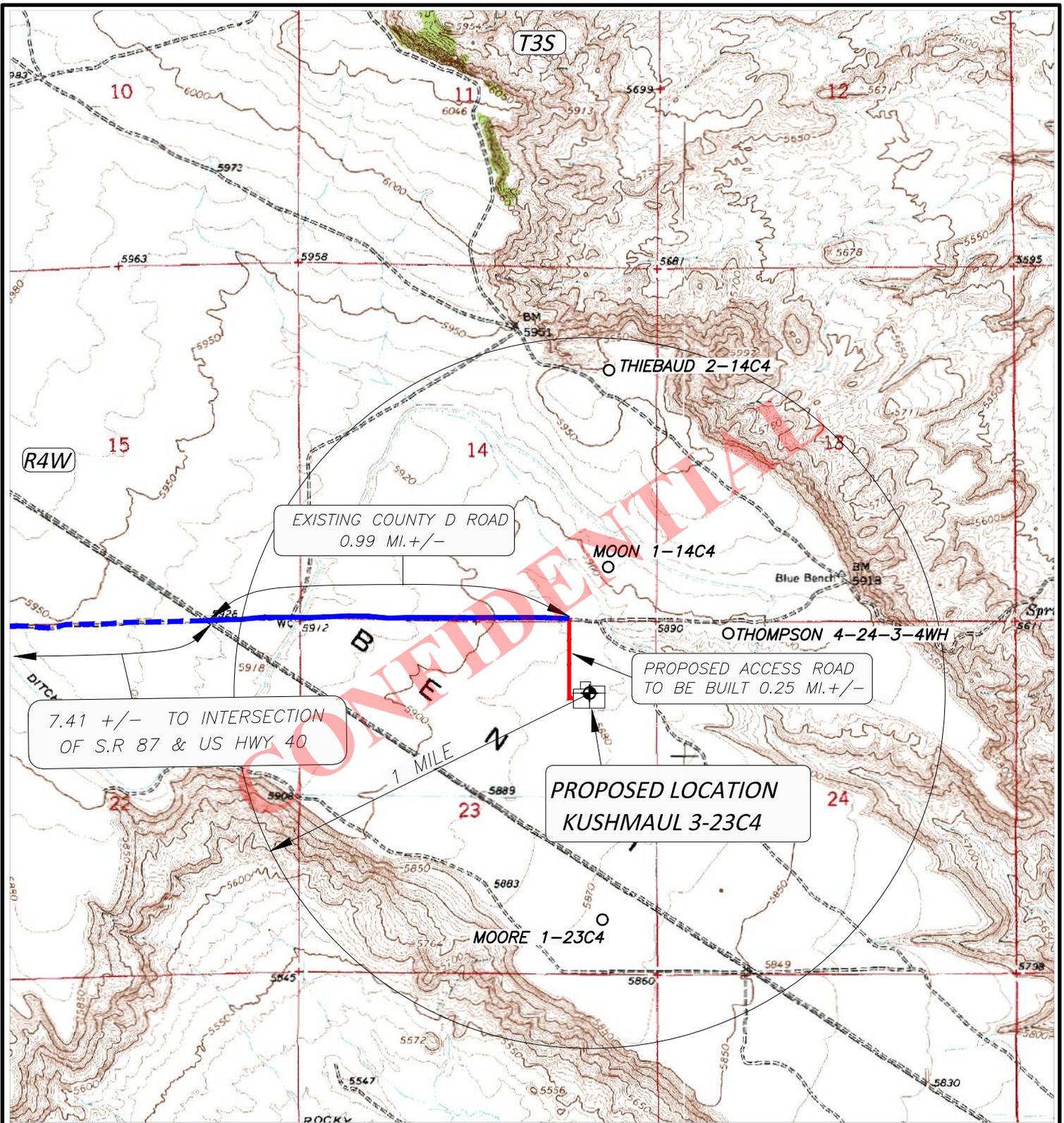
EP ENERGY E & P COMPANY, L.P.

KUSHMAUL 3-23C4
SECTION 23, T3S, R4W, U.S.B.&M.
1144' FNL 990' FEL

TOPOGRAPHIC MAP "B"

SCALE; 1"=2000'
12 JUN 2013

Received: October 13, 2013

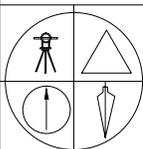


LEGEND:

◆ PROPOSED WELL LOCATION

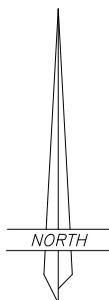
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01-128-409



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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



EP ENERGY E & P COMPANY, L.P.

KUSHMAUL 3-23C4
SECTION 23, T3S, R4W, U.S.B.&M.
1144' FNL 990' FEL

TOPOGRAPHIC MAP "C"

SCALE; 1"=2000'
12 JUN 2013

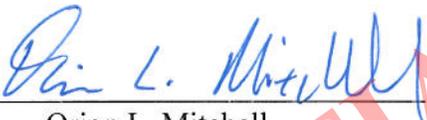
Received: October 13, 2013

AFFIDAVIT OF DAMAGE SETTLEMENT AND RELEASE

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 Kushmaul 3-23C4 well (“the Well”) to be located in the NE/4 of the NE/4 of Section 23, Township 3 South, Range 4 West, U.S.B. &M., Duchesne County, Utah (the “Drillsite Location”). The surface owner of the Drillsite Location is Ronald J. Kushmaul, whose mailing address is 1206 North 15th Street, Coeur d’ Alene, Idaho 83814-5706 and whose telephone number is 208-699-9272 (the “Surface Owner”).
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated September 12, 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.

FURTHER AFFIANT SAYETH NOT.

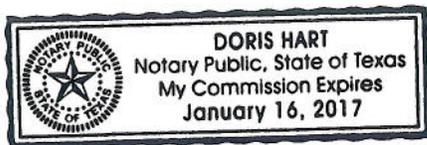


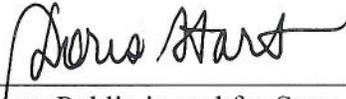
 Orion L. Mitchell

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 .25 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 .25 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:

Ronald J. Kushmaul
1206 North 15th Street
Coeur d' Alene, Idaho 83814-5706
208-699-9272

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:

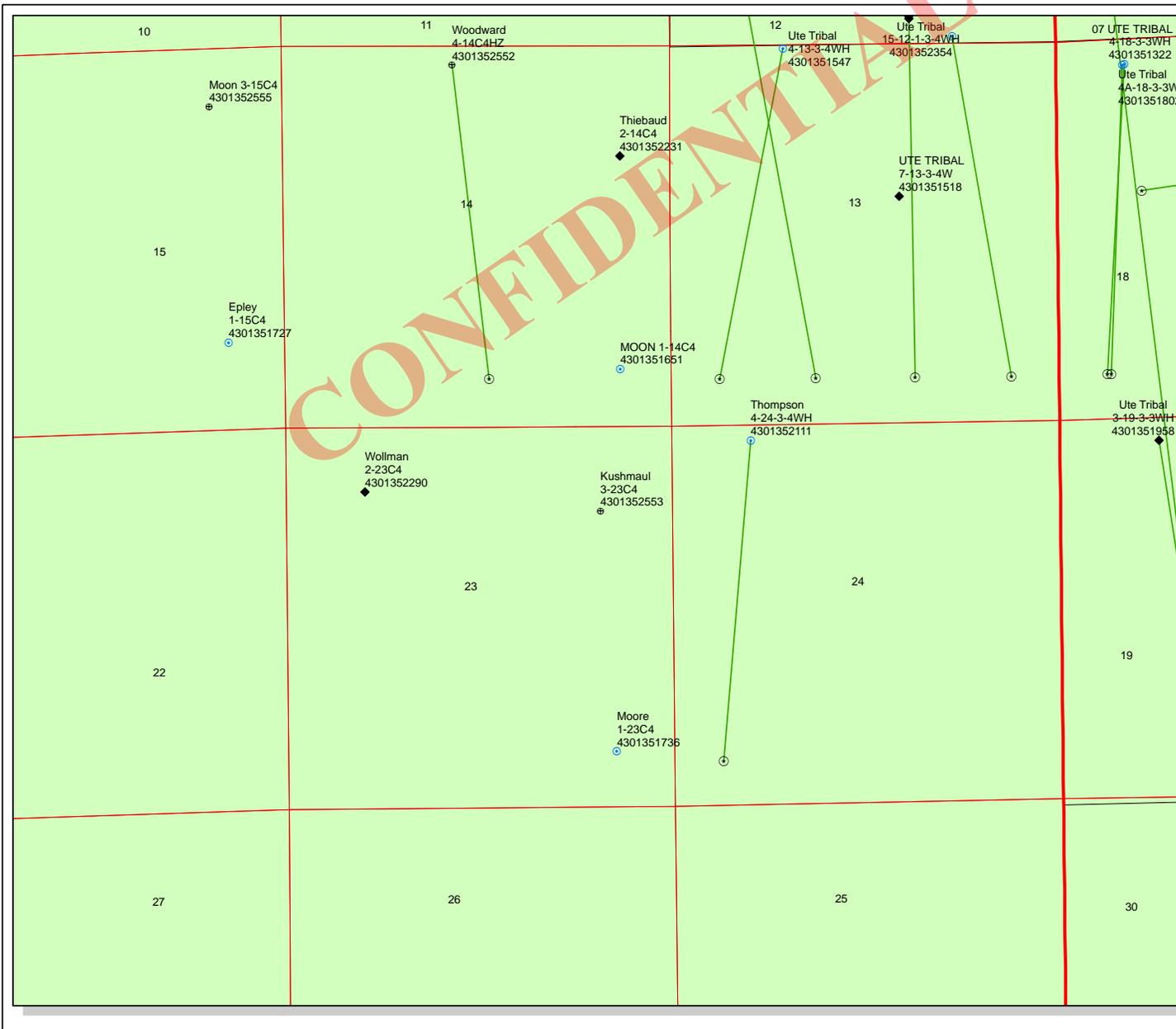
EP Energy E&P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

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



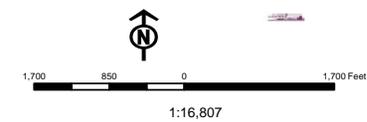
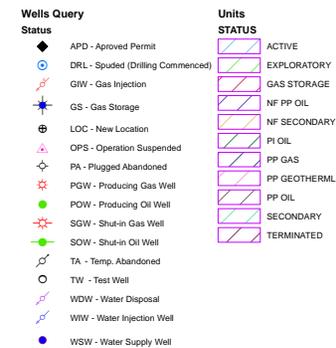
API Number: 4301352553

Well Name: Kushmaul 3-23C4

Township: T03.0S Range: R04.0W Section: 23 Meridian: U

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

Map Prepared: 10/15/2013
Map Produced by Diana Mason





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: Kushmaul 3-23C4
API Well Number: 43013525530000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 12/17/2013

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 2000' 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

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: Kushmaul 3-23C4
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002		9. API NUMBER: 43013525530000
PHONE NUMBER: 713 997-5038 Ext		9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1144 FNL 0990 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 23 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 checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/19/2014	<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 well into the Wasatch. Please see attached for details.

**Approved by the
Utah Division of
Oil, Gas and Mining**
May 13, 2014

Date: _____

By: DeKQ

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 5/12/2014	

Kushmaul 3-23C4

Initial Completion

API # : 43-0135-2553-0000

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 ~11084' – 11393' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~120000 # of Power Prop 20/40. Total clean water volume is 113552 gals. |
| Stage #2 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10718' – 11054' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~120000 # of Power Prop 20/40. Total clean water volume is 113006 gals. |
| Stage #3 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10346' – 10684' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~120000 # of TLC 30/50. Total clean water volume is 140051 gals. |
| Stage #4 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~10036' – 10325' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~120000 # of TLC 30/50. Total clean water volume is 138589 gals. |
| Stage #5 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9743' – 10005' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~120000 # of TLC 30/50. Total clean water volume is 138151 gals. |

Stage #6 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9438' – 9708' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~120000 # of TLC 30/50. Total clean water volume is 136696 gals.

Stage #7 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~9129' – 9401' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~120000 # of TLC 30/50. Total clean water volume is 136235 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	11,084	11,393	309	NA	23	69	17	Power Prop 20/40	120,000	388	3,000	5,000	113,552	124,321
Stage #2	10,718	11,054	336	11,064	23	69	17	Power Prop 20/40	120,000	357	3,000	5,000	113,006	123,775
Stage #3	10,346	10,684	338	10,694	23	69	17	TLC 30/50	120,000	355	3,000	5,000	140,051	150,783
Stage #4	10,036	10,325	289	10,335	23	69	17	TLC 30/50	120,000	415	3,000	5,000	138,589	149,320
Stage #5	9,743	10,005	262	10,015	23	69	17	TLC 30/50	120,000	458	3,000	5,000	138,151	148,883
Stage #6	9,438	9,708	270	9,718	23	69	17	TLC 30/50	120,000	444	3,000	5,000	136,696	147,428
Stage #7	9,129	9,401	272	9,411	23	69	17	TLC 30/50	120,000	441	3,000	5,000	136,235	146,967
Average per Stage			297		23	69	17		120,000	408	3,000	5,000	130,897	141,640
Totals per Well			2,076		161	483	119		840,000		21,000	35,000	916,280	991,478

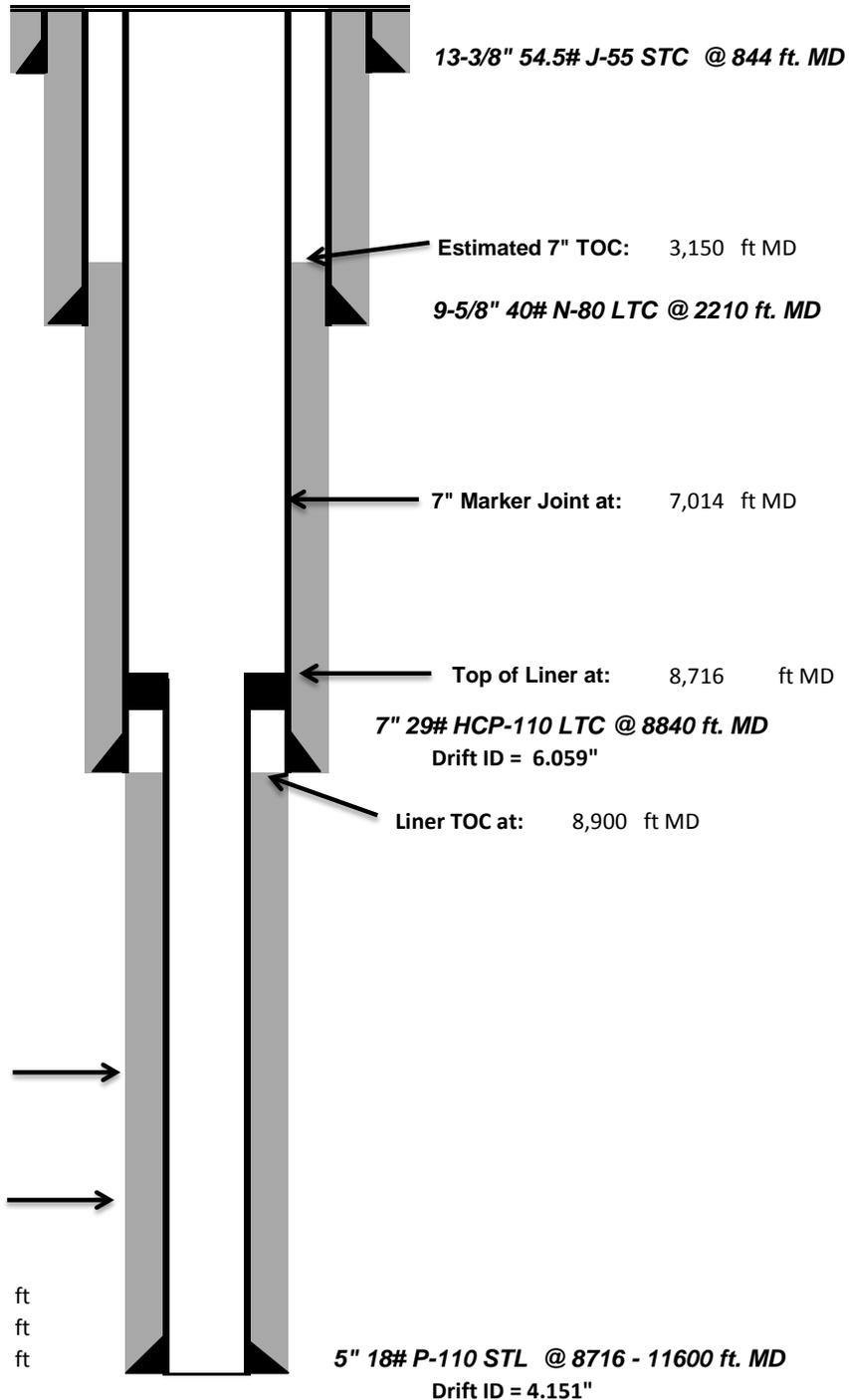


Pre-Completion Wellbore Schematic

Well Name: **Kushmaul 3-23C4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, Utah**
 Surface Location: **Lat: 40° 12' 38.625" N Long: 110° 17' 50.709" W**
 Producing Zone(s): **Wasatch**

Last Updated: **5/12/2014**
 By: **Mohammad Siddiqui**
 TD: **11598**
 API: **43-0135-2553-0000**
 AFE: **161143**

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



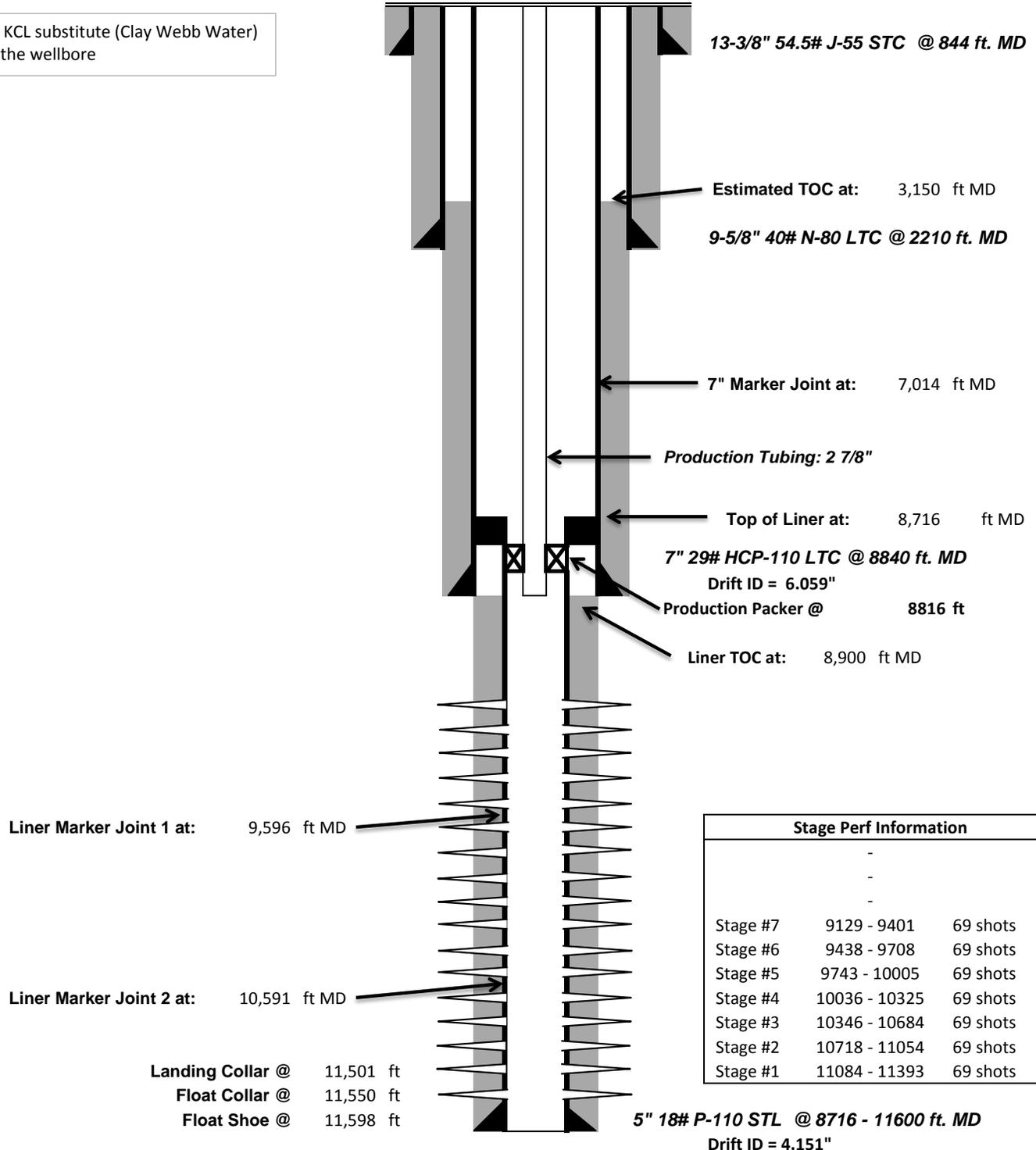


Post-Completion Wellbore Schematic

Well Name: **Kushmaul 3-23C4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, Utah**
 Surface Location: **Lat: 40° 12' 38.625" N Long: 110° 17' 50.709" W**
 Producing Zone(s): **Wasatch**

Last Updated: **5/12/2014**
 By: **Mohammad Siddiqui**
 TD: **11598**
 API: **43-0135-2553-0000**
 AFE: **161143**

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



Stage Perf Information		
-	-	-
-	-	-
-	-	-
Stage #7	9129 - 9401	69 shots
Stage #6	9438 - 9708	69 shots
Stage #5	9743 - 10005	69 shots
Stage #4	10036 - 10325	69 shots
Stage #3	10346 - 10684	69 shots
Stage #2	10718 - 11054	69 shots
Stage #1	11084 - 11393	69 shots

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

AMENDED REPORT FORM 8
(highlight changes)

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

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED: _____ ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL):
18. TOTAL DEPTH: MD _____ TVD _____	19. PLUG BACK T.D.: MD _____ TVD _____	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)		23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

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

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

25. TUBING RECORD

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

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS: All logs are submitted to UDOGM by vendor.	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
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Attachment to Well Completion Report**Form 8 Dated June 23, 2014****Well Name: Kushmaul 3-23C4****Items #27 and #28 Continued**

27. Perforation Record

Interval (Top/Bottom – MD)	Size	No. of Holes	Perf. Status
9743'-10005'	.43	69	Open
9438'-9708'	.43	69	Open
9129'-9401'	.43	69	Open

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

Depth Interval	Amount and Type of Material
10036'-10325'	5000 gal acid, 3000# 100 mesh, 119680# 30/50 TLC
9743'-10005'	5000 gal acid, 3000# 100 mesh, 120680# 30/50 TLC
9438'-9708'	5000 gal acid, 3000# 100 mesh, 120800# 30/50 TLC
9129'-9401'	5000 gal acid, 3000# 100 mesh, 118880# 30/50 TLC

Company: EP Energy
 Well: Kushmaul 3-23C4
 Location: Duchesne, UT
 Rig: Precision 404

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

Calculation Method
 Proposed Azimuth
 Depth Reference
 Tie Into:

Minimum Curvature
 0.00
 KB
 Gyro/MWD



Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
Tie In	0.00	0.00	0.00										
1	100.000	0.194	305.077	100.00	100.00	0.10	0.14	0.10	0.17	305.08	0.19	0.19	305.08
2	200.000	0.163	258.060	100.00	200.00	0.17	0.42	0.17	0.45	291.64	0.15	-0.03	-47.02
3	300.000	0.392	311.603	100.00	300.00	0.36	0.81	0.36	0.89	294.10	0.32	0.23	53.54
4	400.000	0.479	275.061	100.00	400.00	0.63	1.48	0.63	1.61	292.91	0.29	0.09	-36.54
5	500.000	0.204	288.863	100.00	499.99	0.72	2.07	0.72	2.19	289.23	0.29	-0.28	13.80
6	600.000	0.075	191.646	100.00	599.99	0.71	2.25	0.71	2.36	287.62	0.23	-0.13	-97.22
7	700.000	0.443	161.151	100.00	699.99	0.28	2.14	0.28	2.16	277.59	0.38	0.37	-30.50
8	800.000	0.400	189.007	100.00	799.99	-0.43	2.07	0.43	2.11	258.36	0.21	-0.04	27.86
9	900.000	0.652	190.391	100.00	899.99	-1.33	2.23	1.33	2.59	239.13	0.25	0.25	1.38
10	1000.000	0.601	202.065	100.00	999.98	-2.38	2.52	2.38	3.47	226.74	0.14	-0.05	11.67
11	1100.000	0.519	209.130	100.00	1099.97	-3.26	2.94	3.26	4.39	222.09	0.11	-0.08	7.07
12	1200.000	0.769	189.545	100.00	1199.97	-4.31	3.27	4.31	5.42	217.19	0.33	0.25	-19.59
13	1300.000	0.831	207.145	100.00	1299.96	-5.62	3.72	5.62	6.74	213.47	0.25	0.06	17.60
14	1400.000	0.855	187.226	100.00	1399.95	-7.01	4.14	7.01	8.14	210.58	0.29	0.02	-19.92
15	1500.000	0.986	213.637	100.00	1499.94	-8.46	4.71	8.46	9.69	209.10	0.44	0.13	26.41
16	1600.000	0.82	205.30	100.00	1599.92	-9.83	5.49	9.83	11.26	209.21	0.21	-0.17	-8.33
17	1700.000	0.92	212.71	100.00	1699.91	-11.15	6.23	11.15	12.77	209.21	0.15	0.10	7.41
18	1800.000	1.12	225.52	100.00	1799.90	-12.51	7.37	12.51	14.52	210.49	0.31	0.21	12.81
19	1900.000	1.19	237.67	100.00	1899.88	-13.76	8.95	13.76	16.41	213.04	0.26	0.07	12.15
20	2000.000	1.13	240.44	100.00	1999.85	-14.80	10.68	14.80	18.25	215.82	0.09	-0.07	2.77
21	2100.000	1.04	248.79	100.00	2099.84	-15.61	12.38	15.61	19.92	218.41	0.18	-0.09	8.35
22	2167.000	1.28	234.72	67.00	2166.82	-16.26	13.56	16.26	21.17	219.81	0.56	0.37	-21.00
23	2297.000	1.03	250.89	130.00	2296.80	-17.49	15.85	17.49	23.60	222.19	0.32	-0.20	12.44
24	2390.000	1.06	228.63	93.00	2389.78	-18.33	17.29	18.33	25.19	223.32	0.43	0.03	-23.94
25	2484.000	0.45	104.39	94.00	2483.78	-19.00	17.58	19.00	25.88	222.78	1.45	-0.65	-132.17
26	2578.000	2.17	79.42	94.00	2577.75	-18.76	15.47	18.76	24.32	219.51	1.89	1.83	-26.56
27	2671.000	4.60	81.41	93.00	2670.58	-17.88	10.05	17.88	20.51	209.35	2.62	2.61	2.14
28	2764.000	4.87	83.01	93.00	2763.26	-16.84	2.45	16.84	17.02	188.27	0.32	0.29	1.72
29	2857.000	4.28	83.21	93.00	2855.97	-15.95	4.92	15.95	16.69	162.87	0.63	-0.63	0.22
30	2950.000	4.08	79.29	93.00	2948.72	-14.93	11.61	14.93	18.91	142.12	0.37	-0.22	-4.22
31	3043.000	3.46	85.89	93.00	3041.52	-14.11	17.66	14.11	22.61	128.62	0.81	-0.67	7.10
32	3136.000	3.10	84.58	93.00	3134.36	-13.67	22.97	13.67	26.73	120.77	0.40	-0.39	-1.41
33	3229.000	2.81	83.39	93.00	3227.24	-13.17	27.73	13.17	30.70	115.41	0.32	-0.31	-1.28
34	3322.000	3.69	76.54	93.00	3320.09	-12.21	32.91	12.21	35.10	110.36	1.03	0.95	-7.37
35	3416.000	3.86	74.35	94.00	3413.89	-10.66	38.90	10.66	40.33	105.32	0.24	0.18	-2.33

Company: EP Energy
 Well: Kushmaul 3-23C4
 Location: Duchesne, UT
 Rig: Precision 404

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

Calculation Method
 Proposed Azimuth
 Depth Reference
 Tie Into:

Minimum Curvature
 0.00
 KB
 Gyro/MWD



Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth				
36	3509.00	3.47	76.49	93.00	3506.70	-9.15	S	44.65	E	45.58	101.59	0.44	-0.42	2.30
37	3602.00	3.11	69.15	93.00	3599.54	-7.60	S	49.74	E	50.32	98.69	0.60	-0.39	-7.89
38	3695.00	2.71	75.51	93.00	3692.42	-6.15	S	54.23	E	54.58	96.47	0.55	-0.43	6.84
39	3788.00	2.52	74.92	93.00	3785.33	-5.07	S	58.33	E	58.55	94.97	0.21	-0.20	-0.63
40	3881.00	2.16	70.34	93.00	3878.25	-3.95	S	61.96	E	62.08	93.65	0.44	-0.39	-4.92
41	3974.00	1.56	79.48	93.00	3971.20	-3.13	S	64.85	E	64.93	92.76	0.72	-0.65	9.83
42	4067.00	2.36	78.62	93.00	4064.14	-2.52	S	67.97	E	68.02	92.12	0.86	0.86	-0.92
43	4160.00	2.25	85.79	93.00	4157.07	-2.01	S	71.67	E	71.70	91.60	0.33	-0.12	7.71
44	4253.00	1.71	94.17	93.00	4250.01	-1.97	S	74.87	E	74.90	91.51	0.66	-0.58	9.01
45	4347.00	3.41	95.82	94.00	4343.92	-2.36	S	79.05	E	79.09	91.71	1.81	1.81	1.76
46	4440.00	2.93	106.16	93.00	4436.77	-3.30	S	84.09	E	84.15	92.25	0.80	-0.52	11.12
47	4533.00	2.69	110.88	93.00	4529.66	-4.74	S	88.41	E	88.54	93.07	0.36	-0.26	5.08
48	4626.00	2.17	121.65	93.00	4622.58	-6.44	S	91.95	E	92.17	94.01	0.74	-0.56	11.58
49	4719.00	1.95	144.40	93.00	4715.52	-8.65	S	94.37	E	94.77	95.24	0.90	-0.24	24.46
50	4812.00	1.78	137.25	93.00	4808.47	-11.00	S	96.27	E	96.90	96.52	0.31	-0.18	-7.69
51	4906.00	1.69	150.02	94.00	4902.43	-13.27	S	97.95	E	98.85	97.72	0.42	-0.10	13.59
52	4999.00	1.59	115.52	93.00	4995.39	-15.02	S	99.80	E	100.93	98.56	1.05	-0.11	-37.10
53	5092.00	1.29	138.71	93.00	5088.36	-16.36	S	101.66	E	102.97	99.14	0.70	-0.32	24.94
54	5185.00	1.67	139.57	93.00	5181.33	-18.18	S	103.23	E	104.82	99.99	0.41	0.41	0.92
55	5278.00	1.45	157.97	93.00	5274.30	-20.30	S	104.55	E	106.50	100.99	0.58	-0.24	19.78
56	5371.00	1.20	169.02	93.00	5367.27	-22.35	S	105.18	E	107.52	101.99	0.38	-0.27	11.88
57	5464.00	1.56	172.90	93.00	5460.25	-24.56	S	105.52	E	108.34	103.10	0.40	0.39	4.17
58	5557.00	1.85	190.35	93.00	5553.21	-27.29	S	105.40	E	108.88	104.52	0.64	0.31	18.76
59	5650.00	1.37	193.07	93.00	5646.17	-29.85	S	104.88	E	109.05	105.89	0.52	-0.52	2.92
60	5744.00	1.23	263.21	94.00	5740.15	-31.06	S	103.63	E	108.18	106.69	1.59	-0.15	74.62
61	5837.00	1.20	238.85	93.00	5833.13	-31.69	S	101.80	E	106.62	107.29	0.55	-0.03	-26.19
62	5930.00	1.27	220.20	93.00	5926.11	-32.98	S	100.30	E	105.59	108.20	0.44	0.08	-20.05
63	6023.00	1.62	204.47	93.00	6019.08	-34.96	S	99.09	E	105.08	109.43	0.57	0.38	-16.91
64	6116.00	2.28	206.62	93.00	6112.03	-37.81	S	97.72	E	104.78	111.15	0.71	0.71	2.31
65	6209.00	2.25	207.08	93.00	6204.95	-41.09	S	96.06	E	104.48	113.16	0.04	-0.03	0.49
66	6302.00	2.87	200.77	93.00	6297.86	-44.89	S	94.40	E	104.53	115.43	0.73	0.67	-6.78
67	6395.00	2.95	201.86	93.00	6390.74	-49.29	S	92.69	E	104.98	118.00	0.10	0.09	1.17
68	6489.00	1.66	191.87	94.00	6484.66	-52.87	S	91.51	E	105.68	120.02	1.43	-1.37	-10.63
69	6582.00	1.69	189.88	93.00	6577.62	-55.54	S	90.99	E	106.60	121.40	0.07	0.03	-2.14
70	6675.00	1.89	207.30	93.00	6670.58	-58.25	S	90.06	E	107.25	122.90	0.62	0.22	18.73
71	6768.00	2.40	191.91	93.00	6763.51	-61.52	S	88.95	E	108.15	124.67	0.82	0.55	-16.55
72	6861.00	2.56	192.36	93.00	6856.43	-65.45	S	88.10	E	109.76	126.61	0.17	0.17	0.48

Company: EP Energy
 Well: Kushmaul 3-23C4
 Location: Duchesne, UT
 Rig: Precision 404

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

Calculation Method
 Proposed Azimuth
 Depth Reference
 Tie Into:

Minimum Curvature
 0.00
 KB
 Gyro/MWD



Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')		
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth					
73	6954.00	1.23	215.41	93.00	6949.37	-68.30	68.30	S	87.08	E	110.67	128.11	1.62	-1.43	24.78
74	7047.00	0.96	202.56	93.00	7042.36	-69.83	69.83	S	86.20	E	110.94	129.01	0.39	-0.29	-13.82
75	7140.00	1.78	208.27	93.00	7135.33	-71.82	71.82	S	85.22	E	111.45	130.12	0.89	0.88	6.14
76	7233.00	2.23	211.83	93.00	7228.27	-74.63	74.63	S	83.58	E	112.05	131.76	0.50	0.48	3.83
77	7326.00	2.39	201.20	93.00	7321.20	-77.97	77.97	S	81.93	E	113.10	133.58	0.49	0.17	-11.43
78	7419.00	2.60	196.18	93.00	7414.11	-81.81	81.81	S	80.64	E	114.87	135.41	0.33	0.23	-5.40
79	7513.00	3.12	204.11	94.00	7507.99	-86.19	86.19	S	79.00	E	116.92	137.49	0.69	0.55	8.44
80	7606.00	2.66	207.12	93.00	7600.87	-90.42	90.42	S	76.98	E	118.75	139.59	0.52	-0.49	3.24
81	7699.00	1.40	232.64	93.00	7693.82	-93.03	93.03	S	75.09	E	119.56	141.09	1.64	-1.35	27.44
82	7792.00	1.91	232.17	93.00	7786.78	-94.67	94.67	S	72.97	E	119.53	142.38	0.55	0.55	-0.51
83	7885.00	2.11	214.84	93.00	7879.72	-97.03	97.03	S	70.77	E	120.09	143.90	0.68	0.22	-18.63
84	7979.00	2.24	210.46	94.00	7973.65	-100.03	100.03	S	68.85	E	121.43	145.46	0.22	0.14	-4.66
85	8072.00	2.57	210.17	93.00	8066.57	-103.40	103.40	S	66.88	E	123.14	147.11	0.36	0.35	-0.31
86	8165.00	2.15	177.93	93.00	8159.49	-106.95	106.95	S	65.89	E	125.62	148.36	1.47	-0.45	-34.67
87	8258.00	0.94	241.95	93.00	8252.46	-109.05	109.05	S	65.28	E	127.10	149.09	2.08	-1.30	68.84
88	8351.00	2.14	237.43	93.00	8345.43	-110.34	110.34	S	63.14	E	127.13	150.22	1.30	1.29	-4.86
89	8444.00	2.28	233.39	93.00	8438.36	-112.38	112.38	S	60.20	E	127.49	151.82	0.23	0.15	-4.34
90	8535.00	1.10	221.22	91.00	8529.32	-114.12	114.12	S	58.17	E	128.09	152.99	1.35	-1.30	-13.37
91	8630.00	1.15	185.39	95.00	8624.30	-115.75	115.75	S	57.48	E	129.24	153.59	0.73	0.05	-37.72
92	8723.00	1.36	167.51	93.00	8717.28	-117.76	117.76	S	57.63	E	131.10	153.92	0.48	0.23	-19.23
93	8793.00	1.73	152.43	70.00	8787.25	-119.51	119.51	S	58.30	E	132.97	154.00	0.78	0.53	-21.54
94	8900.00	1.79	158.35	107.00	8894.20	-122.49	122.49	S	59.66	E	136.25	154.03	0.18	0.05	5.53
95	9000.00	2.00	165.08	100.00	8994.15	-125.62	125.62	S	60.68	E	139.51	154.22	0.30	0.21	6.73
96	9100.00	1.98	182.64	100.00	9094.09	-129.03	129.03	S	61.05	E	142.75	154.68	0.61	-0.01	17.56
97	9200.00	1.98	177.37	100.00	9194.03	-132.48	132.48	S	61.05	E	145.87	155.26	0.18	-0.01	-5.27
98	9300.00	2.06	164.88	100.00	9293.97	-135.94	135.94	S	61.60	E	149.25	155.62	0.45	0.09	-12.48
99	9400.00	2.15	169.52	100.00	9393.90	-139.52	139.52	S	62.41	E	152.84	155.90	0.19	0.09	4.64
100	9500.00	2.51	172.00	100.00	9493.82	-143.53	143.53	S	63.06	E	156.77	156.28	0.38	0.37	2.48
101	9600.00	2.76	173.19	100.00	9593.71	-148.09	148.09	S	63.65	E	161.19	156.74	0.25	0.24	1.19
102	9700.00	2.80	167.56	100.00	9693.60	-152.87	152.87	S	64.46	E	165.90	157.14	0.28	0.05	-5.63
103	9800.00	2.77	170.77	100.00	9793.48	-157.64	157.64	S	65.37	E	170.66	157.48	0.16	-0.03	3.21
104	9900.00	2.68	173.16	100.00	9893.36	-162.35	162.35	S	66.04	E	175.27	157.86	0.15	-0.10	2.39
105	10000.00	2.59	174.42	100.00	9993.26	-166.92	166.92	S	66.54	E	179.69	158.27	0.10	-0.09	1.26
106	10100.00	2.35	177.93	100.00	10093.17	-171.21	171.21	S	66.83	E	183.79	158.68	0.28	-0.24	3.51
107	10200.00	2.52	174.57	100.00	10193.08	-175.44	175.44	S	67.11	E	187.84	159.07	0.22	0.17	-3.35
108	10300.00	2.80	174.96	100.00	10292.97	-180.07	180.07	S	67.54	E	192.32	159.44	0.28	0.28	0.39
109	10400.00	3.04	175.03	100.00	10392.84	-185.15	185.15	S	67.98	E	197.23	159.84	0.24	0.24	0.07

