

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>		<b>1. WELL NAME and NUMBER</b> Moon 2-31C4
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		<b>3. FIELD OR WILDCAT</b> ALTAMONT
<b>4. TYPE OF WELL</b> Oil Well      Coalbed Methane Well: NO		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>
<b>6. NAME OF OPERATOR</b> EP ENERGY E&P COMPANY, L.P.		<b>7. OPERATOR PHONE</b> 713 997-5038
<b>8. ADDRESS OF OPERATOR</b> 1001 Louisiana, Houston, TX, 77002		<b>9. OPERATOR E-MAIL</b> maria.gomez@epenergy.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> Fee	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Kenneth Alton Moon		<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 435-738-2526
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> HC 64 Box 102, Duchesne, UT 84021		<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>	<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>	<b>19. SLANT</b> 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	715 FSL 776 FEL	SESE	31	3.0 S	4.0 W	U
Top of Uppermost Producing Zone	715 FSL 776 FEL	SESE	31	3.0 S	4.0 W	U
At Total Depth	715 FSL 776 FEL	SESE	31	3.0 S	4.0 W	U

<b>21. COUNTY</b> DUCHEсне	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 715	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640
<b>27. ELEVATION - GROUND LEVEL</b> 5467	<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completion)</b> 1500	<b>26. PROPOSED DEPTH</b> MD: 10500 TVD: 10500
	<b>28. BOND NUMBER</b> 400JU0708	<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Duchesne City

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	13.375	0 - 900	54.5	J-55 ST&C	8.6	Class G	758	1.15	15.8
SURF	12.25	9.625	0 - 1300	40.0	N-80 LT&C	0.0	Type V	103	3.18	11.0
							Class G	195	1.3	14.3
I1	8.75	7	0 - 10500	17.0	P-110 LT&C	10.6	Class G	707	1.91	12.5
							Class G	1024	1.43	13.5

**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

<b>NAME</b> Maria S. Gomez	<b>TITLE</b> Principal Regulatory Analyst	<b>PHONE</b> 713 997-5038
<b>SIGNATURE</b>	<b>DATE</b> 03/04/2014	<b>EMAIL</b> maria.gomez@epenergy.com
<b>API NUMBER ASSIGNED</b> 43013528780000		<b>APPROVAL</b>

**Received: August 21, 2014**

**Moon 2-31C4  
Sec. 31, 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)	3,284' TVD
Green River (GRTN1)	3,884' TVD
Mahogany Bench	4,584' TVD
L. Green River	5,434' TVD
Wasatch	7,334' TVD
T.D. (Permit)	10,500' MD/TVD

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River (GRRV)	3,284' MD/TVD
	Green River (GRTN1)	3,884' MD/TVD
	Mahogany Bench	4,584' MD/TVD
Oil	L. Green River	5,434' MD/VD
Oil	Wasatch	7,334' MD/TVD

**3. Pressure Control Equipment: (Schematic Attached)**

A Diverter Stack w/ Rotating Head from 600' MD/TVD to 1,300' MD/TVD on Conductor. A 10M BOP stack w/ rotating head, spacer spool, 5M annular, flex rams, blind rams & single w/ flex rams from 1,300' MD/TVD to TD (10,500' 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. 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 a rotating head, spacer spool, 5M annular, flex rams, blind rams & single w/ flex rams from surface shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested 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 1,300' - TD
- B) Mud logger with gas monitor – 1,300' to TD
- C) Choke manifold with one manual and one hydraulic operated choke
- D) Full opening floor valve with drill pipe thread
- E) Upper and lower Kelly cock
- F) Shaker, de-sander and centrifuge

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

Please refer to the attached Wellbore Diagram.

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

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

Cement design calculations for production hole will be based on minimum 15% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. A minimum of 50% excess over gauge volume will be pumped on surface casing.

**5. Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	Air	
Production	WBM	9.0 – 10.6

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: 1,300' MD/TVD – TD

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

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,500' TVD equals approximately 5,788 psi. This is calculated based on a 0.5512 psi/ft gradient (10.6 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 3,478 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

BOPE and casing design will be based on the MASP which is 3,478 psi.

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

**Returned Unapproved**



**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	1300	40.00	N-80	LTC	5,750	3,090	737
PRODUCTION	5-1/2"	0	10500	17.00	P-110EC	LTC	12,090	8,840	445

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	800	EXTENDACEM SYSTEM: Type V Cement + 5 lbm/sk Silicalite Compacted + 0.25 lbm/sk Kwik Seal + 0.125 lbm/sk Poly-E-Flake + 8% Bentonite + 0.3% D-AIR 5000	103	75%	11.0 ppg	3.18
	Tail	500	HALCEM SYSTEM: Class G Cement + 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.3% D-AIR 5000	195	50%	14.3 ppg	1.30
PRODUCTION	Lead	4,700	EXTENDACEM SYSTEM: Class G Cement + 6% Bentonite + 0.2% Econolite + 0.3% Versaset + 0.8% HR-5 + 0.3% Super CBL + 0.2% Halad-322 + 0.125 lb/sk Pol-E-Flake	707	15%	12.5 ppg	1.91
	Tail	5,000	EXPANDACEM SYSTEM: Class G Cement + 2% Bentonite + 0.3% Super CBL + 0.3% FWCA + 1 lb/sk Granule Type 1/4 + 3 lb/sk Silicalite Compacted + 0.75% Halad-322	1024	15%	13.5 ppg	1.43

**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, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
PRODUCTION	Float shoe, 2 joints, float collar. Thread lock all FE. Maker joints @ 8900', 7300' and 5400'.

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

MANAGER: Bob Dodd

EL PASO E&P COMPANY, L.P.  
MOON 2-31C4  
SECTION 31, T3S, R4W, U.S.B.&M.

PROCEED EAST ON PAVED STATE HIGHWAY 40 FROM THE INTERSECTION OF HIGHWAY 87 WITH U.S. HIGHWAY 40 IN DUCHESNE, UTAH APPROXIMATELY 0.38 MILES TO AN INTERSECTION;

TURN LEFT AND TRAVEL EASTERLY AND THEN NORTHEASTERLY 1.40 MILES ON EXISTING COUNTY ROAD TO THE BEGINNING OF THE ACCESS ROAD;

TURN RIGHT ONTO THE ACCESS ROAD AND THE PROPOSED WELL LOCATION 0.03 MILES;

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 1.81 MILES.

**CONFIDENTIAL**  
**Returned Unapproved**

# EL PASO E & P COMPANY, L.P.

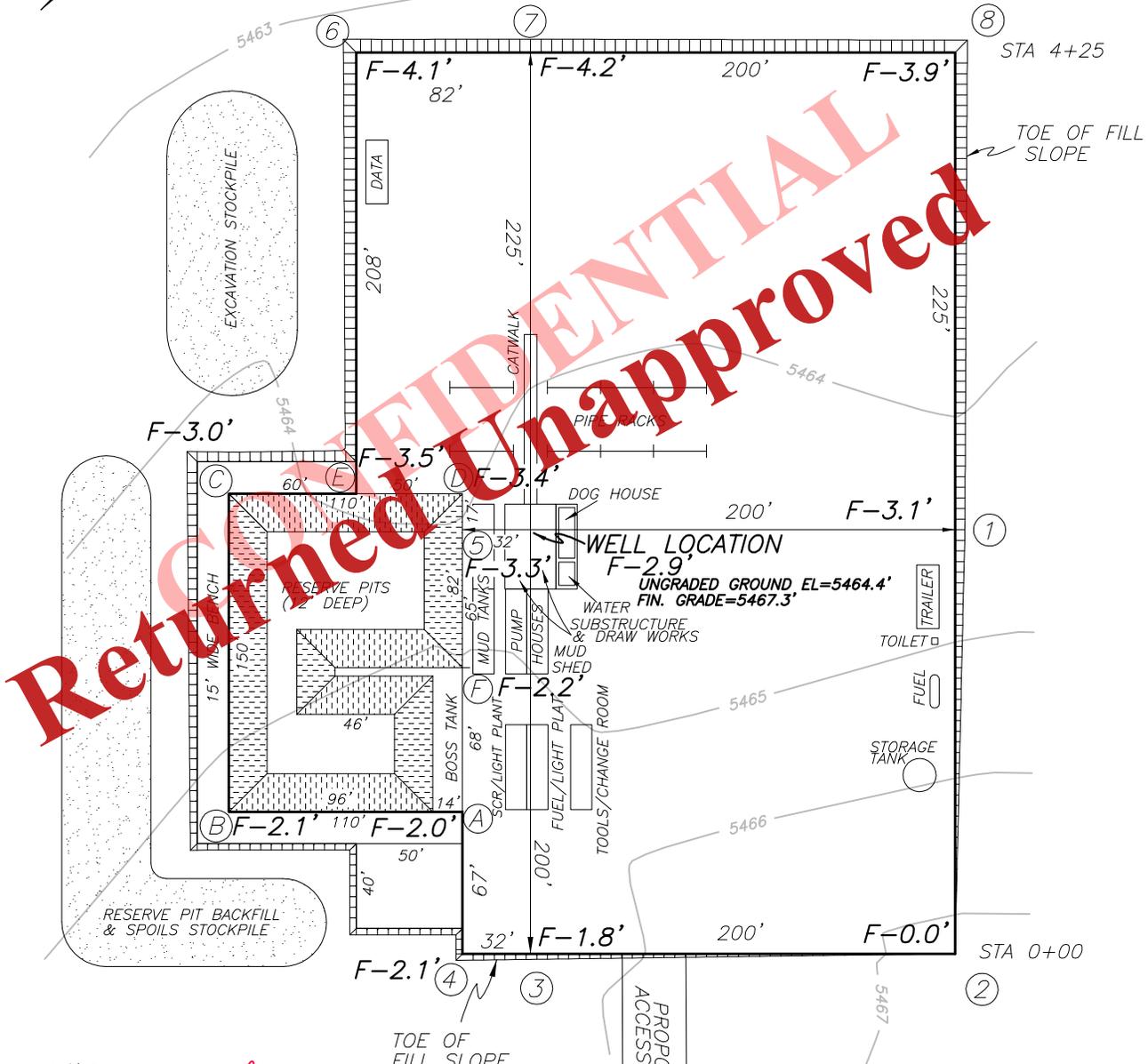
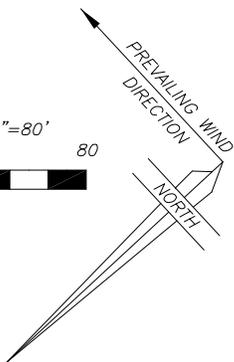
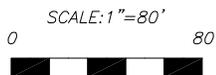
LOCATION LAYOUT FOR

MOON 2-31C4

SECTION 31, T3S, R4W, U.S.B.&M.

699' FSL, 740' FEL

FIGURE #1



Confidential  
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Jerry D. Allred



	<b>JERRY D. ALLRED &amp; ASSOCIATES</b> SURVEYING CONSULTANTS 1235 NORTH 700 EAST--P.O. BOX 975 DUCHESNE, UTAH 84021 (435) 738-5352
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# EL PASO E & P COMPANY, L.P.

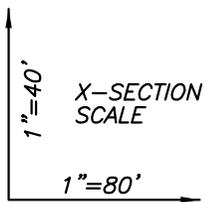
FIGURE #2

LOCATION LAYOUT FOR

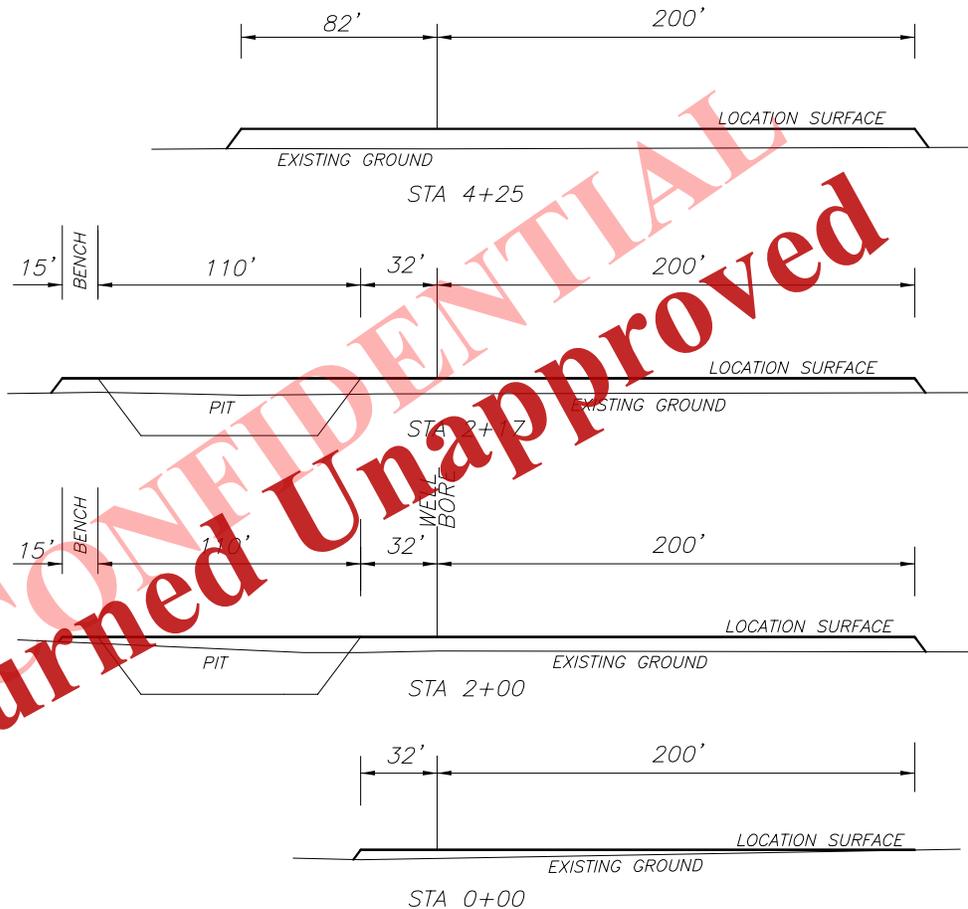
MOON 2-31C4

SECTION 31, T3S, R4W, U.S.B.&M.

699' FSL, 740' FEL



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



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APPROXIMATE QUANTITIES

TOTAL CUT (INCLUDING PIT) = 5778 CU. YDS.

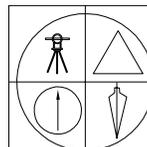
PIT CUT = 3200 CU. YDS.  
 TOPSOIL STRIPPING: (6") = 2578 CU. YDS.  
 REMAINING LOCATION CUT = 0 CU. YDS

TOTAL FILL = 12,300 CU. YDS.

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

ACCESS ROAD GRAVEL=44 CU. YDS.

ACCESS ROAD FILL=262 CU. YDS.



JERRY D. ALLRED & ASSOCIATES  
 SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
 DUCHESNE, UTAH 84021  
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21 MAY 2012

01-128-298

Received: August 20, 2014

# EL PASO E & P COMPANY, L.P.

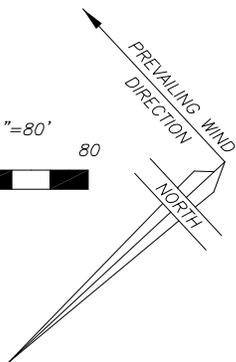
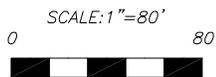
LOCATION LAYOUT FOR

MOON 2-31C4

SECTION 31, T3S, R4W, U.S.B.&M.

699' FSL, 740' FEL

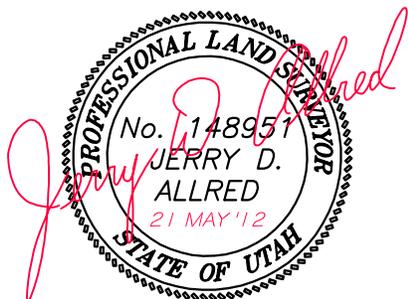
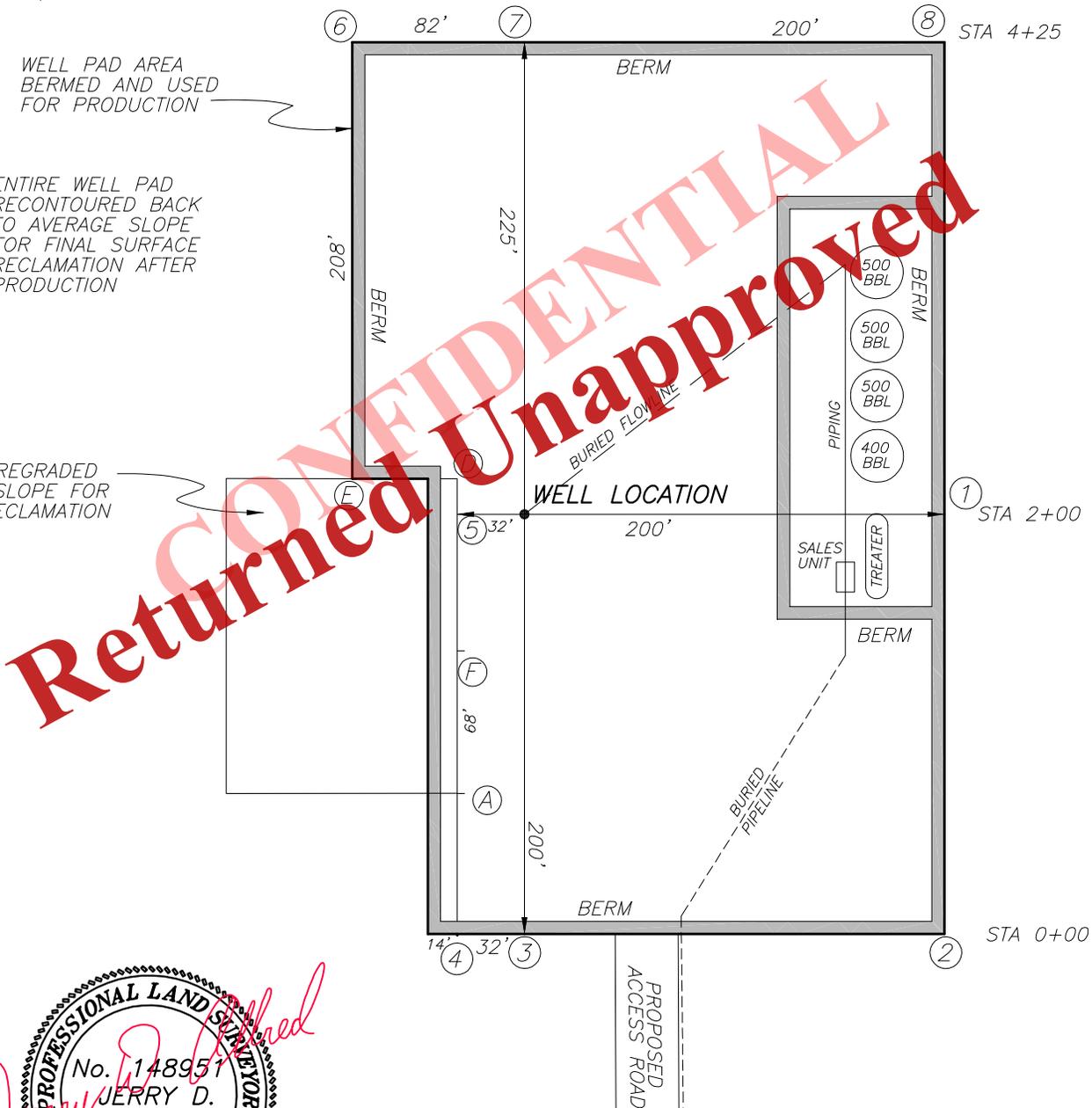
FIGURE #3



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

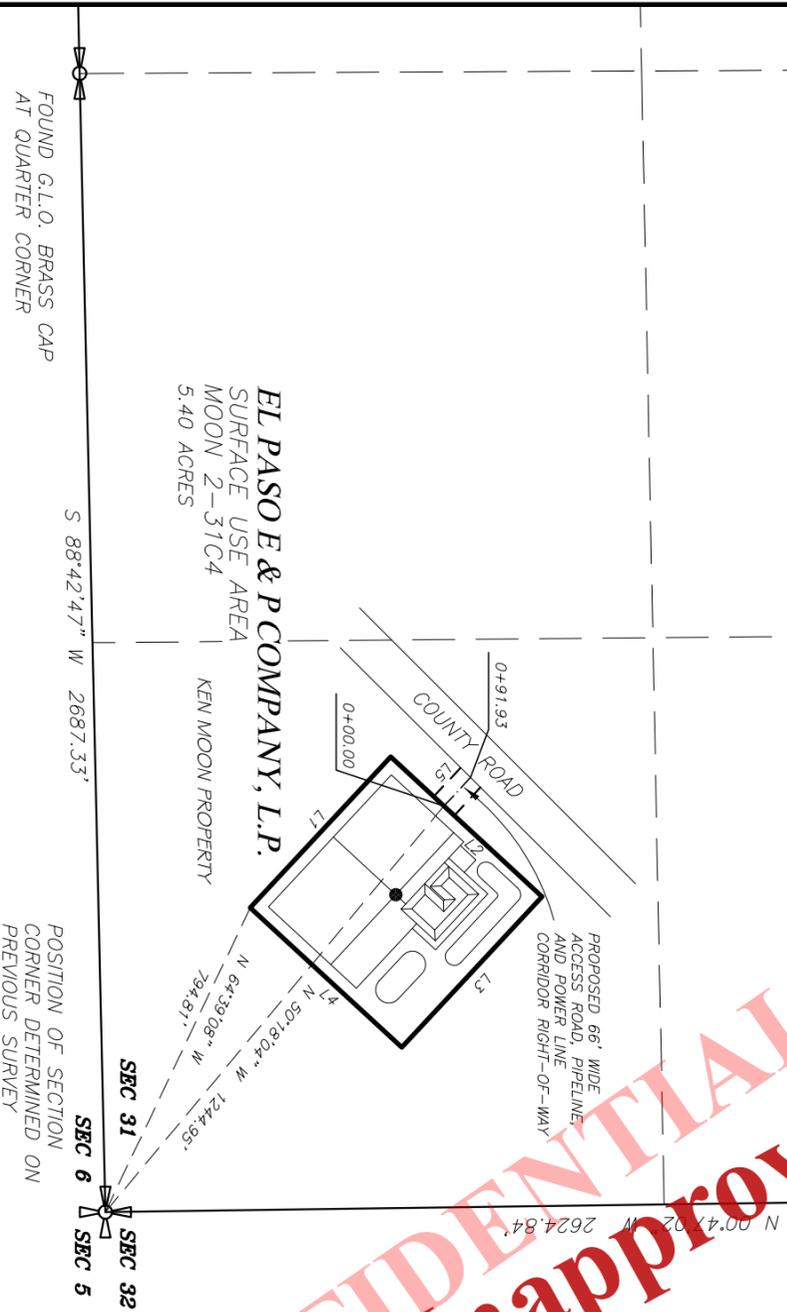
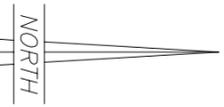


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SURVEYING CONSULTANTS  
1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESNE, UTAH 84021  
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31  
FOUND G.L.O. BRASS CAP  
AT QUARTER CORNER

LINE	BEARING	DISTANCE
L1	N 47°10'05" W	485.00'
L2	N 42°49'55" E	485.00'
L3	S 47°10'05" E	485.00'
L4	S 42°49'55" W	485.00'
L5	N 47°10'05" W	91.93'

SCALE: 1"=400'



EL PASO E & P COMPANY, L.P.  
SURFACE USE AREA  
MOON 2-31C4  
5.40 ACRES

POSITION OF SECTION  
CORNER DETERMINED ON  
PREVIOUS SURVEY

FOUND G.L.O. BRASS CAP  
AT QUARTER CORNER

LOCATION USE AREA AND ACCESS ROAD, POWER LINE, AND PIPELINE  
CORRIDOR RIGHT-OF-WAY SURVEY FOR  
**EL PASO E&P COMPANY, L.P.**  
SECTION 31, T3S, R4W, U.S.B.&M.  
DUCHESNE COUNTY, UTAH  
MOON 2-31C4

USE AREA BOUNDARY

Commencing at the Southeast Corner of Section 31, Township 3 South, Range 4 West of the Uintah Special Base and Meridian:  
Thence North 64°39'08" West 794.81 feet to the TRUE POINT OF BEGINNING;  
Thence North 47°10'05" West 485.00 feet;  
Thence North 42°49'55" East 485.00 feet;  
Thence South 47°10'05" East 485.00 feet;  
Thence South 42°49'55" West 485.00 feet to the TRUE POINT OF BEGINNING, containing 5.40 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 31, 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 Southeast Corner of said Section 31:  
Thence North 50°18'04" West 1244.95 feet to the TRUE POINT OF BEGINNING, said point being on the West line of the El Paso E&P Co. Moon 2-31C4 well location surface use area boundary;  
Thence North 47°10'05" West 91.93 feet to the East right-of-way line of a County Road. Said right-of-way being 91.93 feet in length with the sidelines being shortened or elongated to intersect said use area boundary and said road right-of-way line.

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.

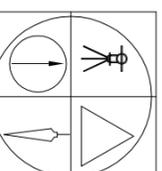
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

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, Professional Land Surveyor,  
Certificate 148951 (Utah)

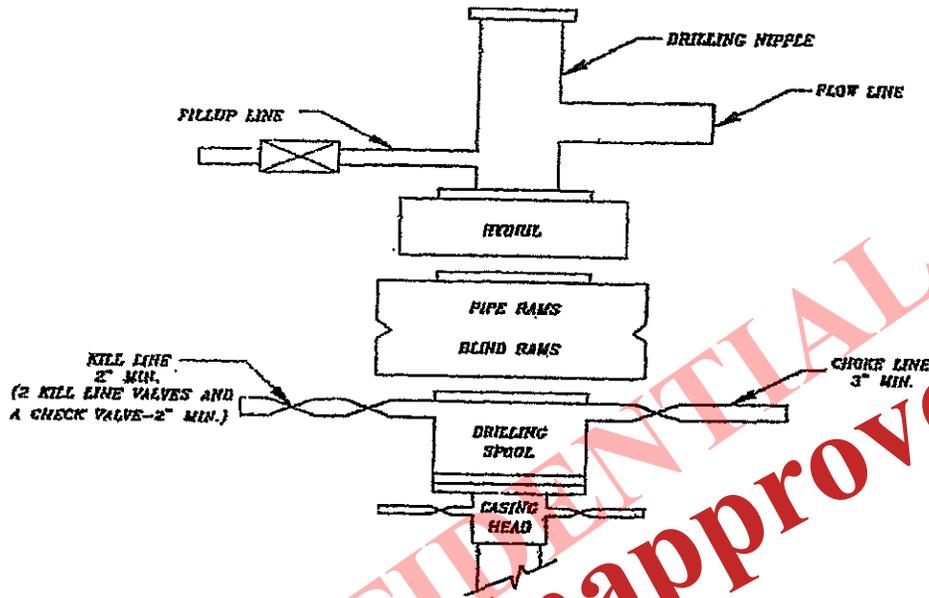


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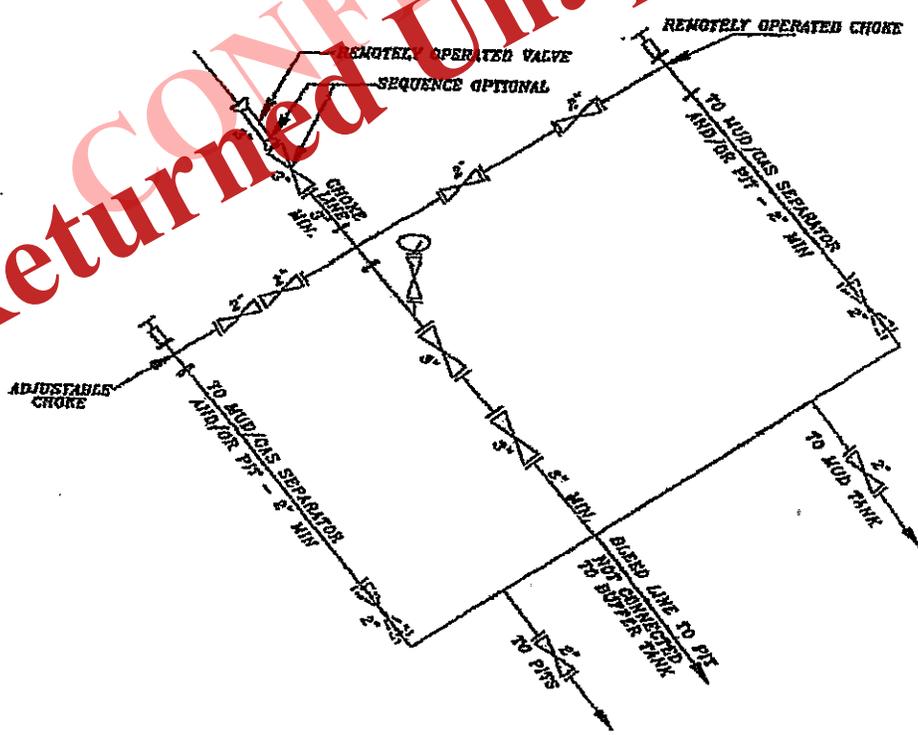


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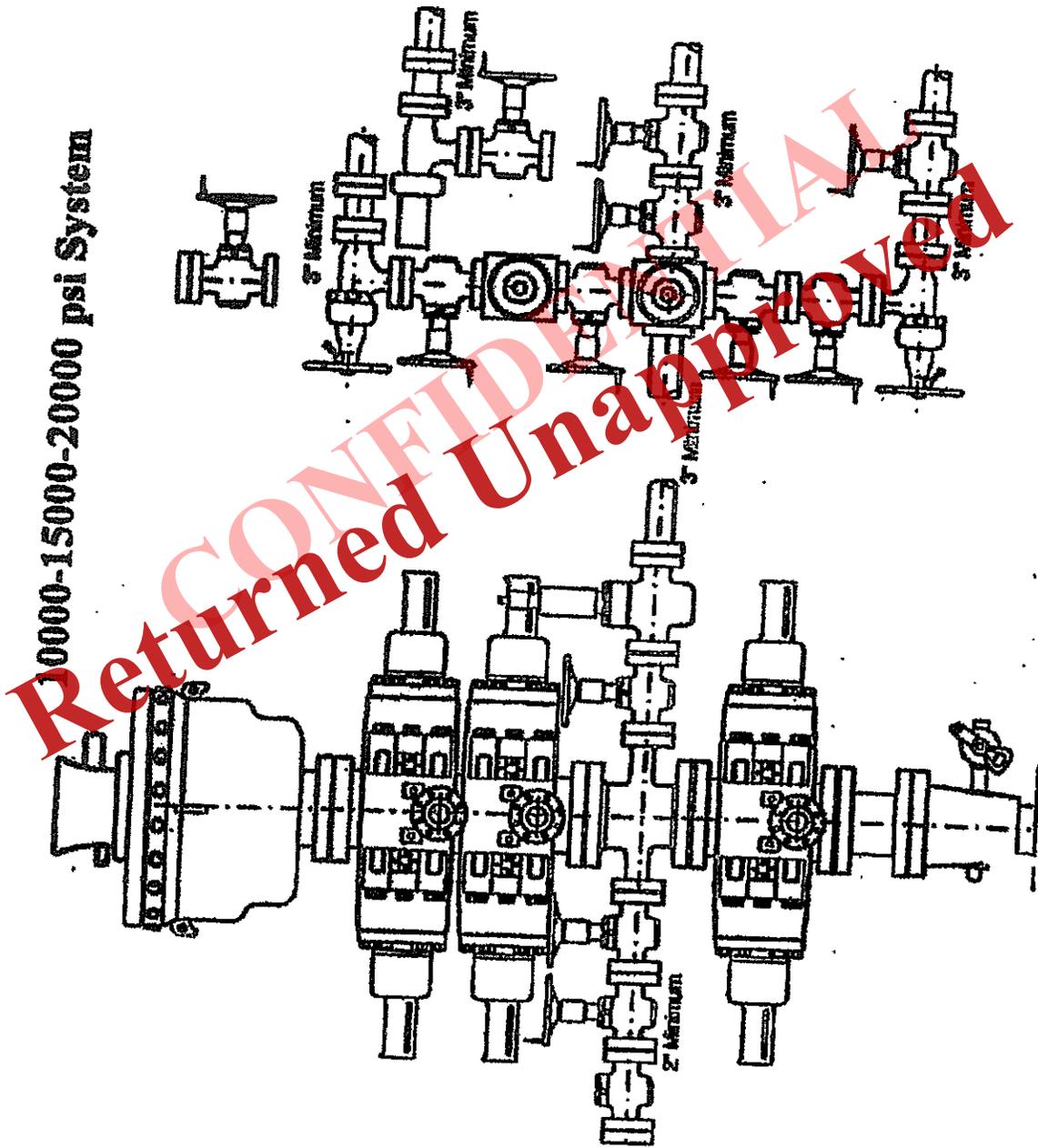
# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



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10000-15000-20000 psi System

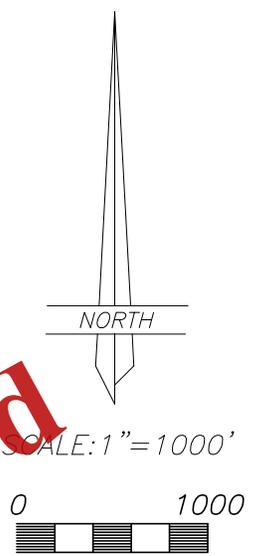
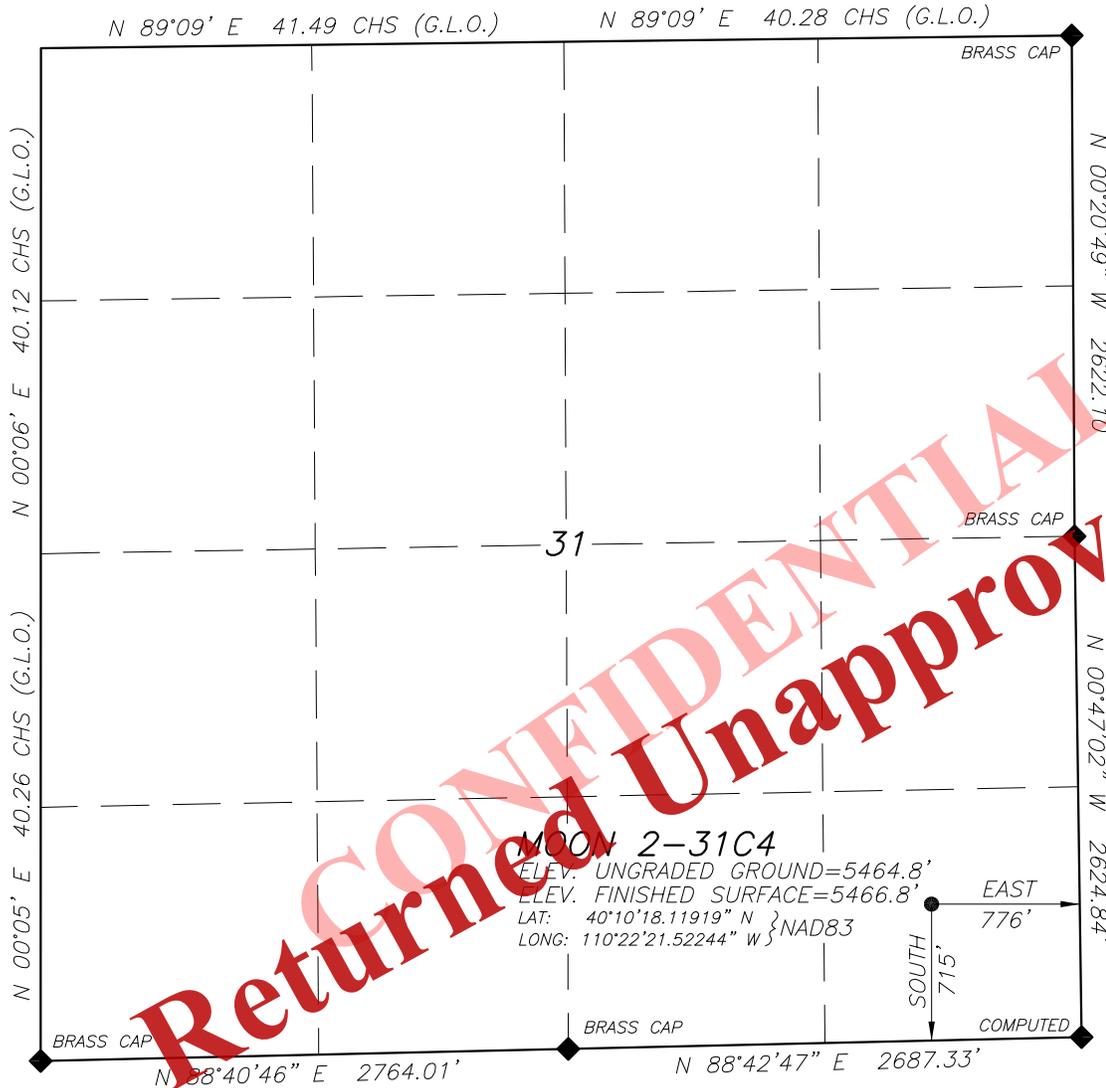


# EP ENERGY E&P COMPANY, L.P.

WELL LOCATION

MOON 2-31C4

LOCATED IN THE SE¼ OF THE SE¼ OF SECTION 31, T3S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH



NOTE:  
 NAD27 VALUES FOR  
 WELL POSITION:  
 LAT: 40.17174173° N  
 LONG: 110.37193455° W

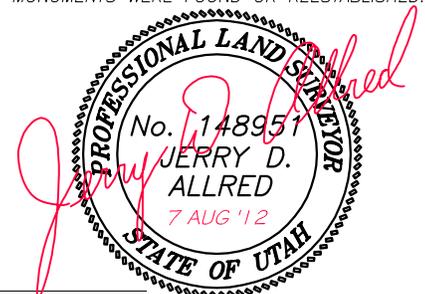
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**LEGEND AND NOTES**

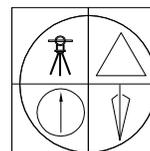
- ◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY
- THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP
- THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT
- THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT 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
- BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM

**SURVEYOR'S CERTIFICATE**

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



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

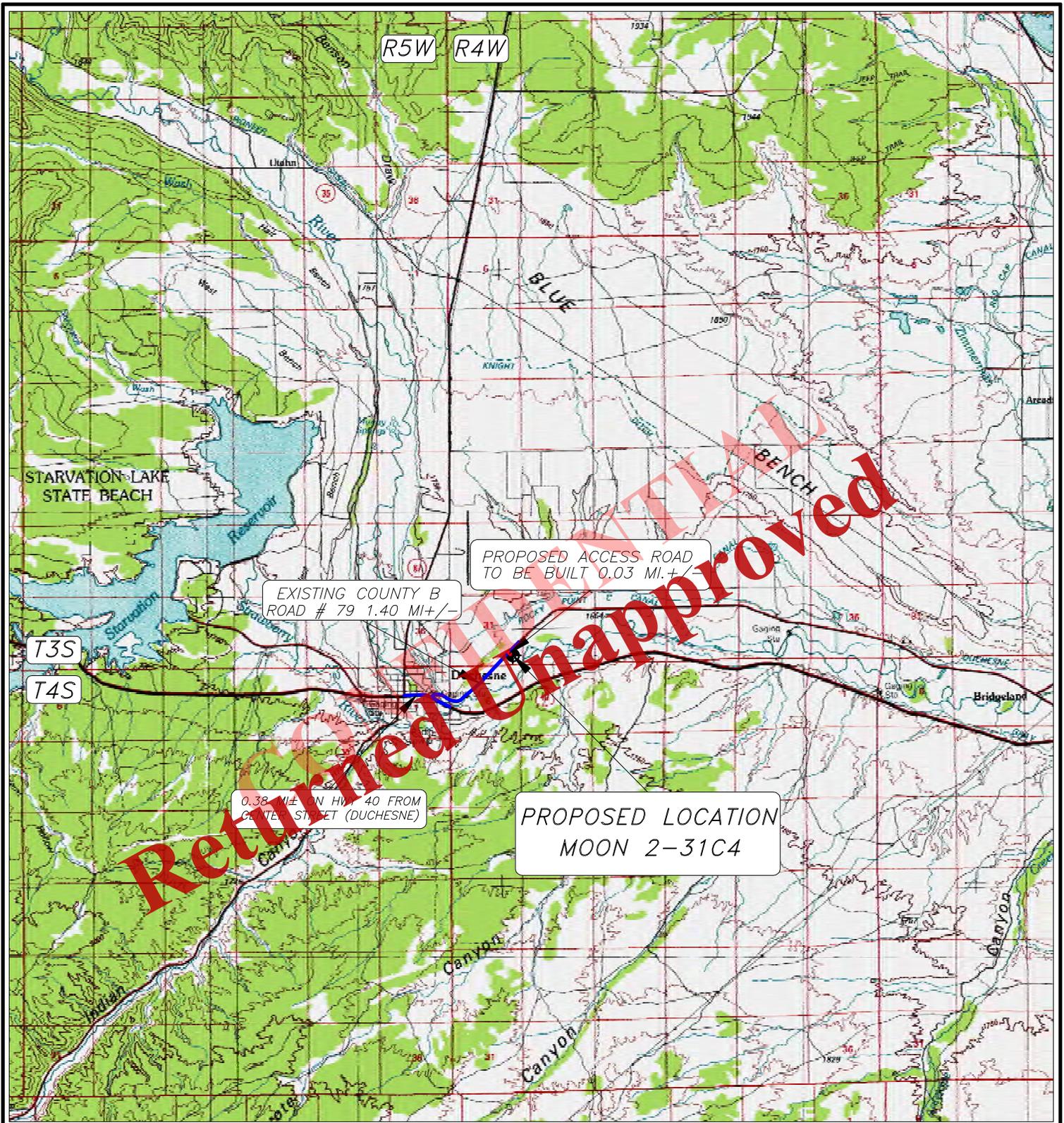


**JERRY D. ALLRED & ASSOCIATES**  
 SURVEYING CONSULTANTS

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REV 7 AUG 2012  
 18 MAY 2012 01-128-298

**Received: March 04, 2014**



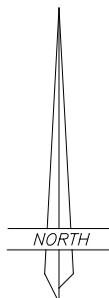
**LEGEND:**

◆ PROPOSED WELL LOCATION

01-128-298

**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.**

MOON 2-31C4

SECTION 31, T3S, R4W, U.S.B.&M.

715' FSL 776' FEL

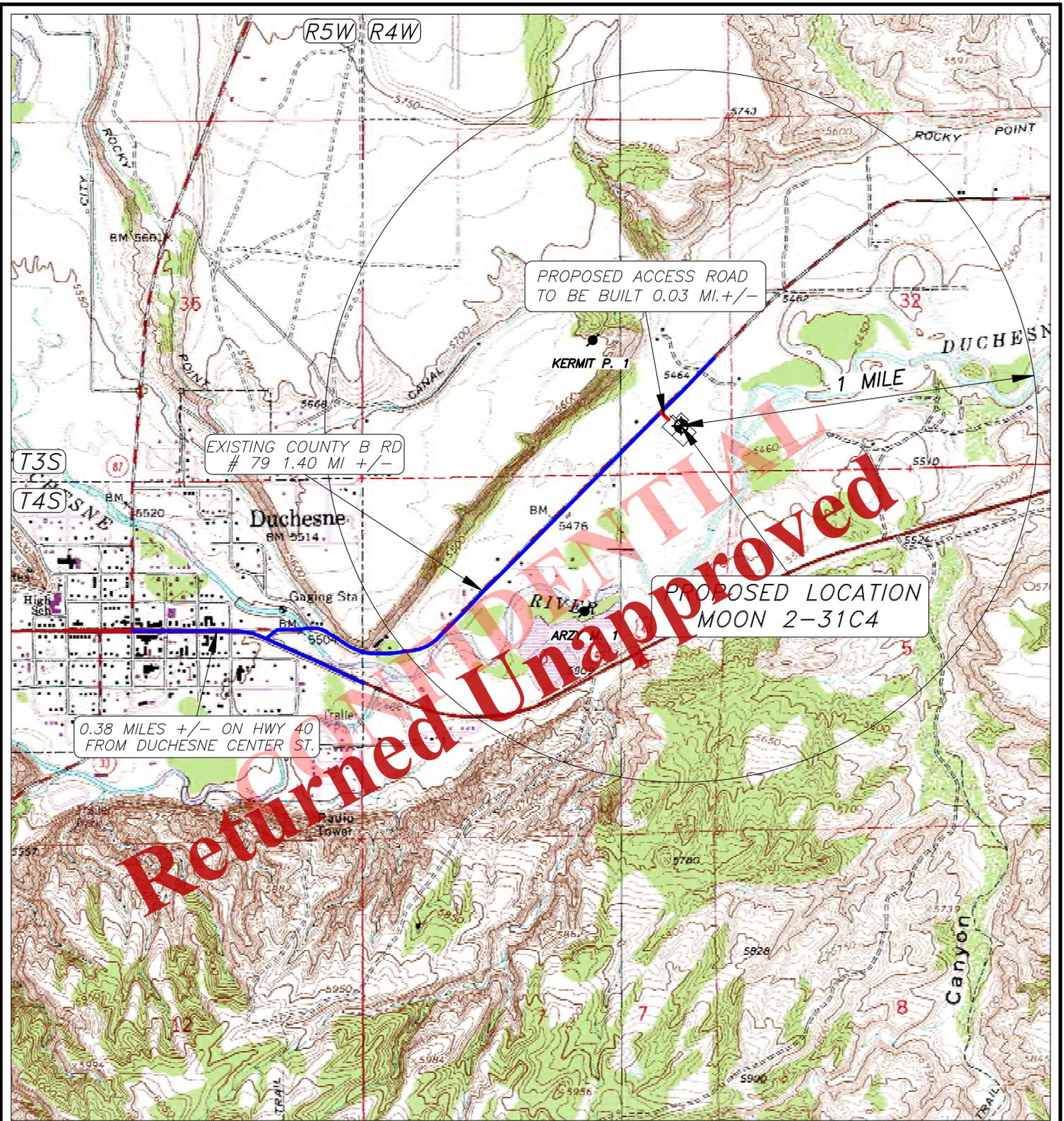
**TOPOGRAPHIC MAP "A"**

SCALE; 1"=10,000'

REV 8 AUG 2012

**Received: March 04, 2014**

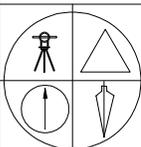




**LEGEND:**

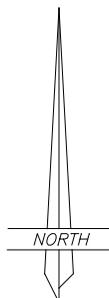
-  PROPOSED WELL LOCATION
-  OTHER WELLS AS LOCATED FROM SUPPLIED MAP

01-128-298



**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.**

MOON 2-31C4

SECTION 31, T3S, R4W, U.S.B.&M.

715' FSL 776' FEL

**TOPOGRAPHIC MAP "C"**

SCALE; 1"=2000'

REV 8 AUG 2012

**Received: March 04, 2014**

**AFFIDAVIT OF SURFACE DAMAGE AND RIGHT-OF-WAY AGREEMENTS**

Corie A. Mathews personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Corie A. Mathews. I am a Landman for EP Energy 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 Moon 2-31C4 well ("the Well") to be located in the SE/4 of the SE/4 of Section 31, Township 3 South, Range 4 West, USM, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite location is Kenneth Alton Moon, whose address is HC 64 Box 102, Duchesne, Utah 84021 and whose telephone number is (435) 738-2526 (the "Surface Owner").
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated October 23, 2012 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 October 23, 2012 for an access road, pipeline and power line corridor across the SE/4 of the SE/4 of Section 31, Township 3 South, Range 4 West, USM, Duchesne County, Utah.

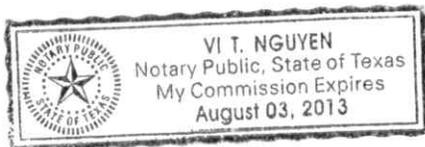
FURTHER AFFIANT SAYETH NOT.

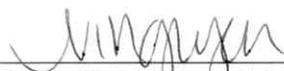
  
 \_\_\_\_\_  
 Corie A. Mathews

**ACKNOWLEDGMENT**

STATE OF TEXAS           §  
                                       §  
 COUNTY OF HARRIS       §

This instrument was acknowledged before me on this the 29th day of October, 2012 by Corie A. Mathews 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 .03 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 .03 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 1/2 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 15<sup>th</sup>, and prior to ground frost, or seed will be planted after the frost has left and before May 15<sup>th</sup>. 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:**

Kenneth Alton Moon  
HC 64 Box 102  
Duchesne, UT 84021  
435-738-2526

**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

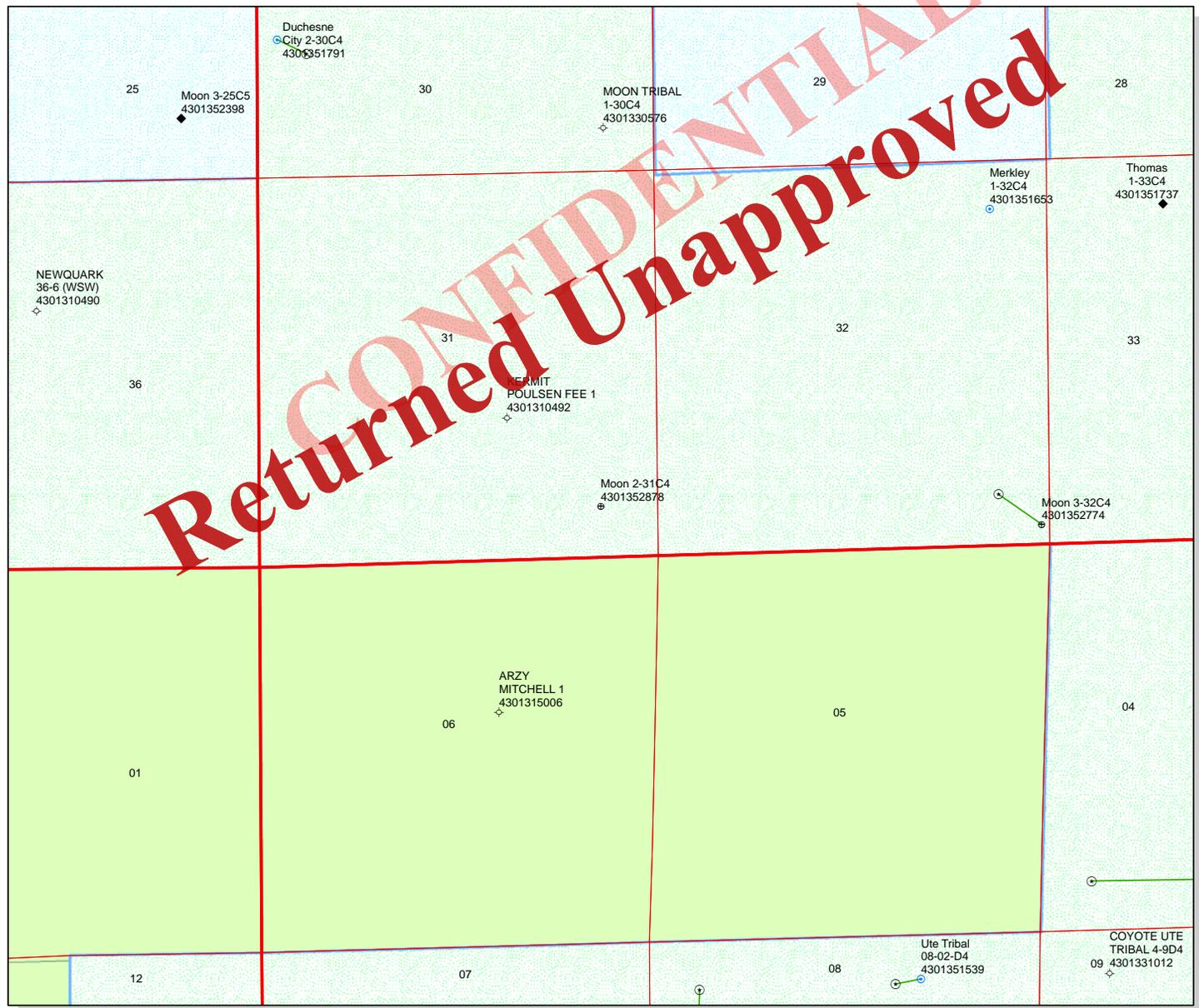
**Regarding This APD**

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

CONFIDENTIAL  
Returned Unapproved



**API Number: 4301352878**

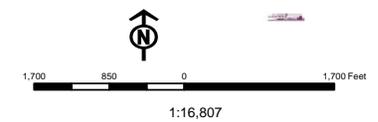
**Well Name: Moon 2-31C4**

Township: T03.0S Range: R04.0W Section: 31 Meridian: U

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

Map Prepared: 3/7/2014  
Map Produced by Diana Mason

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





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*

March 04, 2016

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

Re: Application for Permit to Drill - DUCHESNE County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the Moon 2-31C4 well, API 43013528780000 that was submitted March 04, 2014 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason  
Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah



