FORM 3

AMENDED REPORT ☐

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

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
Duchesne City 3-30C4HZ

2. TYPE OF WORK
DRILL NEW WELL ■ REENTER P&A WELL ☐ DEEPEN WELL ☐

3. FIELD OR WILDCAT
ALTAMONT

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
EP ENERGY E&P COMPANY, L.P.

7. OPERATOR PHONE
713 997-5038

8. ADDRESS OF OPERATOR
1001 Louisiana, Houston, TX, 77002

9. OPERATOR E-MAIL
maria.gomez@epenergy.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
Fee

11. MINERAL OWNERSHIP
FEDERAL ☐ INDIAN ☐ STATE ☐ FEE ■

12. SURFACE OWNERSHIP
FEDERAL ☐ INDIAN ☐ STATE ☐ FEE ■

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
Duchesne City

14. SURFACE OWNER PHONE (if box 12 = 'fee')
435-738-2464

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
500 East Main 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 ☐ (Submit Commingling Application) NO ■

19. SLANT
VERTICAL ☐ DIRECTIONAL ☐ HORIZONTAL ■

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1920 FSL 263 FWL	NWSW	30	3.0 S	4.0 W	U
Top of Uppermost Producing Zone	1920 FSL 660 FWL	NWSW	30	3.0 S	4.0 W	U
At Total Depth	1866 FSL 660 FEL	NESE	30	3.0 S	4.0 W	U

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
263

23. NUMBER OF ACRES IN DRILLING UNIT
640

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
3500

26. PROPOSED DEPTH
MD: 12601 TVD: 8629

27. ELEVATION - GROUND LEVEL
5384

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 - 800	54.5	J-55 LT&C	8.8	Class G	1000	1.15	15.8
Surf	12.25	9.625	0 - 3300	40.0	N-80 LT&C	9.5	35/65 Poz	439	3.16	11.0
							Premium Lite High Strength	191	1.33	14.2
I1	8.75	7	0 - 8736	29.0	P-110 LT&C	10.5	Premium Lite High Strength	352	2.31	12.0
							Premium Lite High Strength	91	1.91	12.5
L1	6.125	4.5	8536 - 12601	13.5	P-110 LT&C	12.0	50/50 Poz	383	1.61	13.5

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ✔ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ✔ COMPLETE DRILLING PLAN
- ✔ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ✔ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ✔ TOPOGRAPHICAL MAP

NAME Maria S. Gomez	**TITLE** Principal Regulatory Analyst	**PHONE** 713 997-5038
SIGNATURE	**DATE** 10/18/2012	**EMAIL** maria.gomez@epenergy.com

API NUMBER ASSIGNED 43013517930000 **APPROVAL**

CONFIDENTIAL
Returned Unapproved

Received: April 12, 2013

Duchesne City 3-30C4HZ
Sec. 30, T3S, R4W
DUCHESNE COUNTY, UT

EP ENERGY E&P COMPANY, L.P.

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers**

Formation	Depth
Green River (GRTN1)	4,221'
Mahogany Bench	5,102'
L. Green River	6,158'
Uteland Butte	8,369'
T.D. (Permit)	8,629' TVD / 12,601' MD

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

Substance	Formation	Depth
	Green River (GRTN1)	4,221'
	Mahogany Bench	5,102'
Oil	L. Green River	6,158'
Oil	Uteland Butte	8,369'

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

A 4.5" by 20.0" rotating head on structural pipe from surface to 800'. A 4.5" by 13 3/8" Smith Rotating Head and 5M Annular from 800' to 3,300' on Conductor. A 5M BOP stack, 5M Annular, and 5M kill lines and choke manifold used from 3,300' to 8,736' MD/ 8,468' TVD. A 10M BOE w/rotating head, 5M annular, blind rams & mud cross from 8,736' MD/ 8,468' TVD to TD. 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 nippled 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 1500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low lest and 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.

CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

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 monitoring systems with gas monitor 800' – TD.
B) Mud logger with gas monitor – 3,300' 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 de-silter, 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 will be based on: 25% excess over gauge hole in the liner section, 10% excess over gauge hole in the intermediate section, and 75% excess on the lead and 50% excess on the tail over gauge hole volume for the surface hole. Actual volumes pumped will be a minimum of the volumes stated above, however, actual hole size will be based on caliper logs in the liner and intermediate sections. Gauge hole will be used for the surface section.

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	Air	8.8 – 9.5
Intermediate	WBM	9.5 – 10.5
Production	WBM	10.5 – 12.0

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

CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program**:

   Logs:
   Mud Log: 3,300' - TD.
   Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from base of surface casing to TD.

7. **Abnormal Conditions:**

   Maximum anticipated bottomhole pressure calculated at 12,601' MD/ 8,629 TVD TD equals approximately 5,384 psi. This is calculated based on a 0.624 psi/foot gradient (12.0 ppg mud density at TD).

   Maximum anticipated surface pressure equals approximately 3,486 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 8,736 MD/ 8,468 TVD' = 6,774 psi.

   BOPE and casing design will be based on the lesser of the two MASPs which is 3,486 psi.

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

CONFIDENTIAL
Returned Unapproved

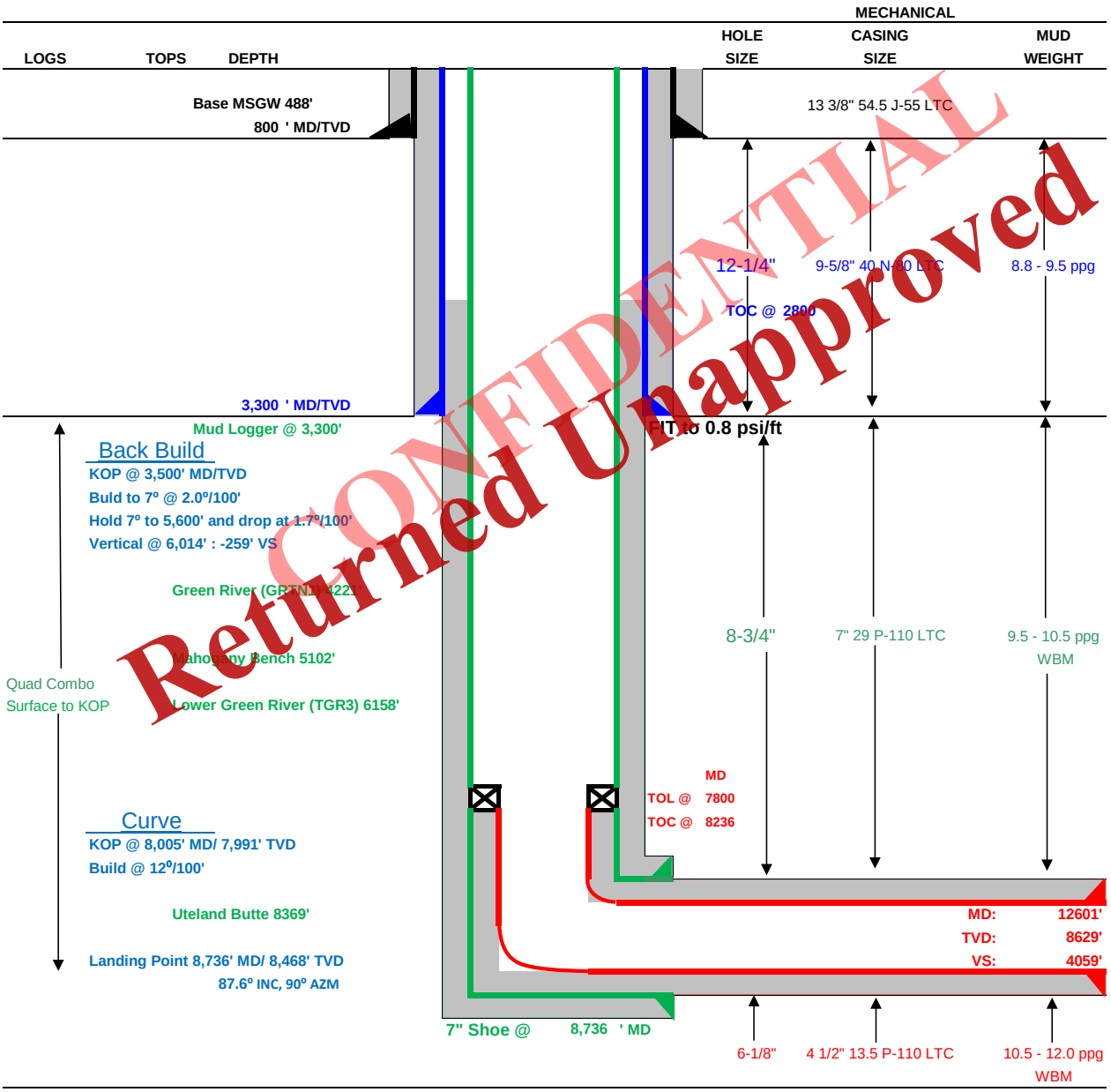
Received: October 18, 2012

EP ENERGY

Drilling Schematic

Company Name:	EP ENERGY	**Date:**	September 25, 2012
Well Name:	**Duchesne City 3-30C4HZ**	**TD:**	12,601 **MD** 8,629 **TVD**
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	**AFE #:**	
Surface Location:	Sec 30 T3S R4W 1920' FSL 263' FWL	**BHL:**	1886' FSL 660 FEL
Objective Zone(s):	Green River, Wasatch	**Elevation:**	5802'
Rig:	Precision 404	**Spud (est.):**	

BOPE Info: 5.0 x 13 3/8 rotating head from800' to 3,300' 11 5M BOP stack and 5M kill lines and choke manifold used from 3,300' to 8,736' 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 8,736' to TD



CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	800	54.5	J-55	LTC	2,730	1,140	1,399
SURFACE	9-5/8"	0	3300	40.00	N-80	LTC	3,090	5,750	820
INTERMEDIATE	7"	0	8736	29.00	P-110	LTC	11,220	8,530	797
PRODUCTION LINER	4 1/2"	8536	12601'	13.50	P-110	LTC	12,410	10,680	338

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		800	Class G + 3% CACL2	1000	100%	15.8 ppg	1.15
SURFACE	Lead	2,800	Boral Craig POZ 35%, Mountain G 65%, Bentonite Wyoming 8%, Silicate 5 lbm/sk, Pol-E Flake 0.125 lbm/sk, Kwik Seal 0.25 lb/sk	439	75%	11.0 ppg	3.16
	Tail	500	Halco-light premium+3 lb/sk Silicate+0.3% Econolite+1% Salt+0.25 lbm/sk Kol-Seal+0.24 lb/sk Kwik Seal+ HR-5	191	50%	14.2 ppg	1.33
INTERMEDIATE	Lead	4,936	Hallco-Light-Premium+4% Bentonite+0.4% Econolite+0.2% Halad322+3 lb/sk Silicalite Compacted+0.8% HR-5+ 0.125 lb/sk Poly-E-Flake	352	10%	12.0 ppg	2.31
	Tail	1,000	Hallco-Light-Premium+0.2% Econolite+ 0.3% Versaset+0.2% Halad322+0.8% HR-5+ 0.3% SuperCBL+ 0.125 lb/sk Poly-E-Flake	91	10%	12.5 ppg	1.91
PRODUCTION LINER		4,065	Halco- 50/50 Poz Premium Cement+20% SSA-1+0.3% Super CBL+ 0.3% Halad-344+0.3% Halad-413+ 0.2% SCR-100+ 0.125 lb/sk Poly-E-Flake + 3 lb/sk Silicat	383	25%	13.50	1.26

FLOAT EQUIPMENT & CENTRALIZERS	
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at 8,000'.
LINER	Float shoe, 1 joint, float collar. Thread lock all FE. Maker joints every 1000'.

PROJECT ENGINEER(S): Joe Cawthorn 713-997-5929

MANAGER: Tommy Gaydos

CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

EP ENERGY E&P COMPANY, L.P.

DUCHESNE CITY 3-30C4HZ

SECTION 30, T3S, R4W, U.S.B.&M.

PROCEED NORTH ON PAVED STATE HIGHWAY 87 FROM THE INTERSECTION OF HIGHWAY 87 WITH U.S. HIGHWAY 40 IN DUCHESNE, UTAH APPROXIMATELY 2.08 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL EAST ON PAVED COUNTY ROAD 0.20 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL SOUTH 0.17 MILES ON CITY-COUNTY ROAD TO THE BEGINNING OF THE ACCESS ROAD;

TURN LEFT ONTO ACCESS ROAD FOR 0.04 MILES TO THE PROPOSED LOCATION;

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 2.49 MILES.

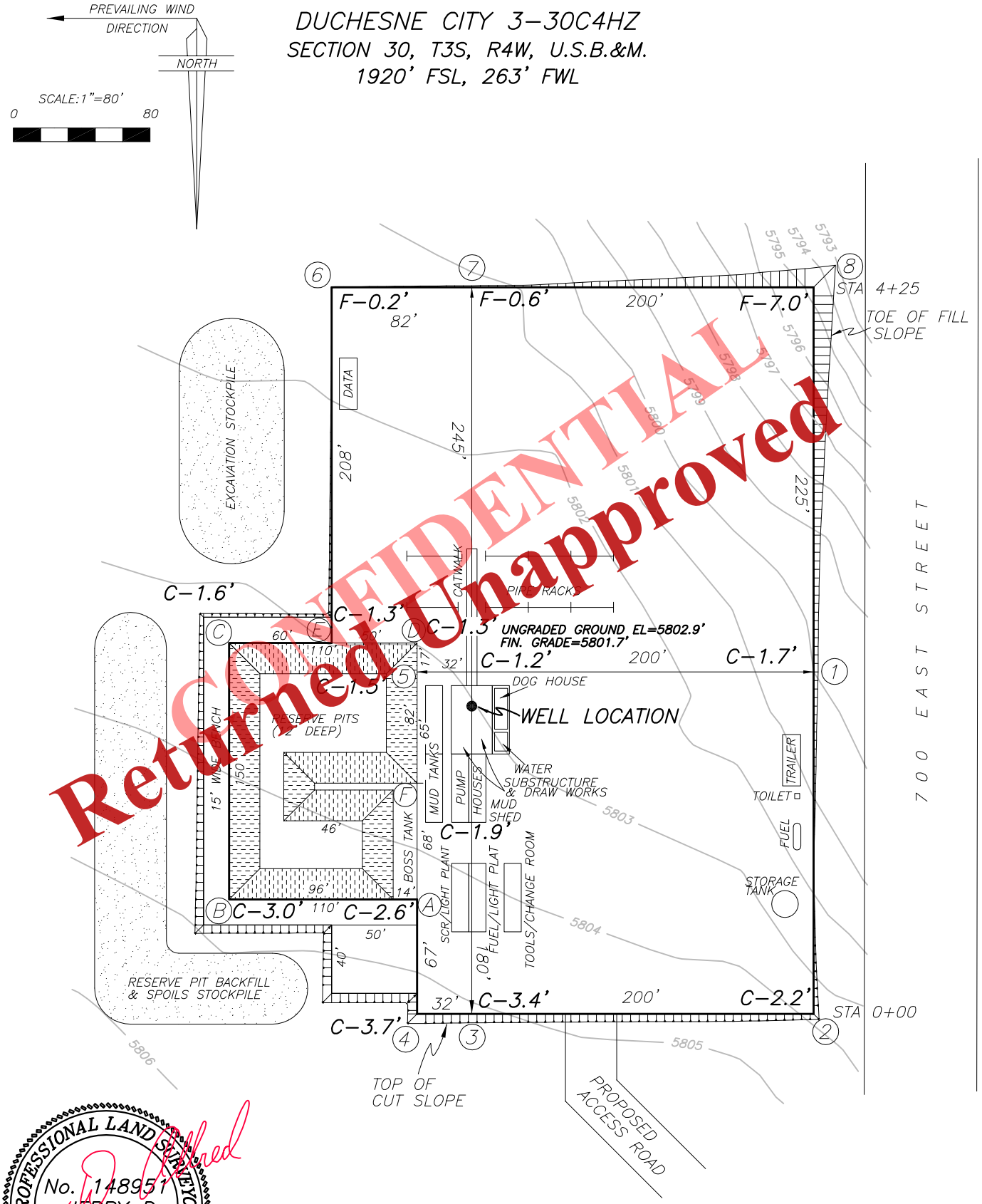
CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

EP ENERGY E & P COMPANY, L.P.

FIGURE #1

LOCATION LAYOUT FOR
DUCHESNE CITY 3-30C4HZ
SECTION 30, T3S, R4W, U.S.B.&M.
1920' FSL, 263' FWL



CONFIDENTIAL
Returned Unapproved

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
3 AUG '12
STATE OF UTAH

Jerry D. Allred

3 AUG 2012 01-128-311

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

Received: October 18, 2012

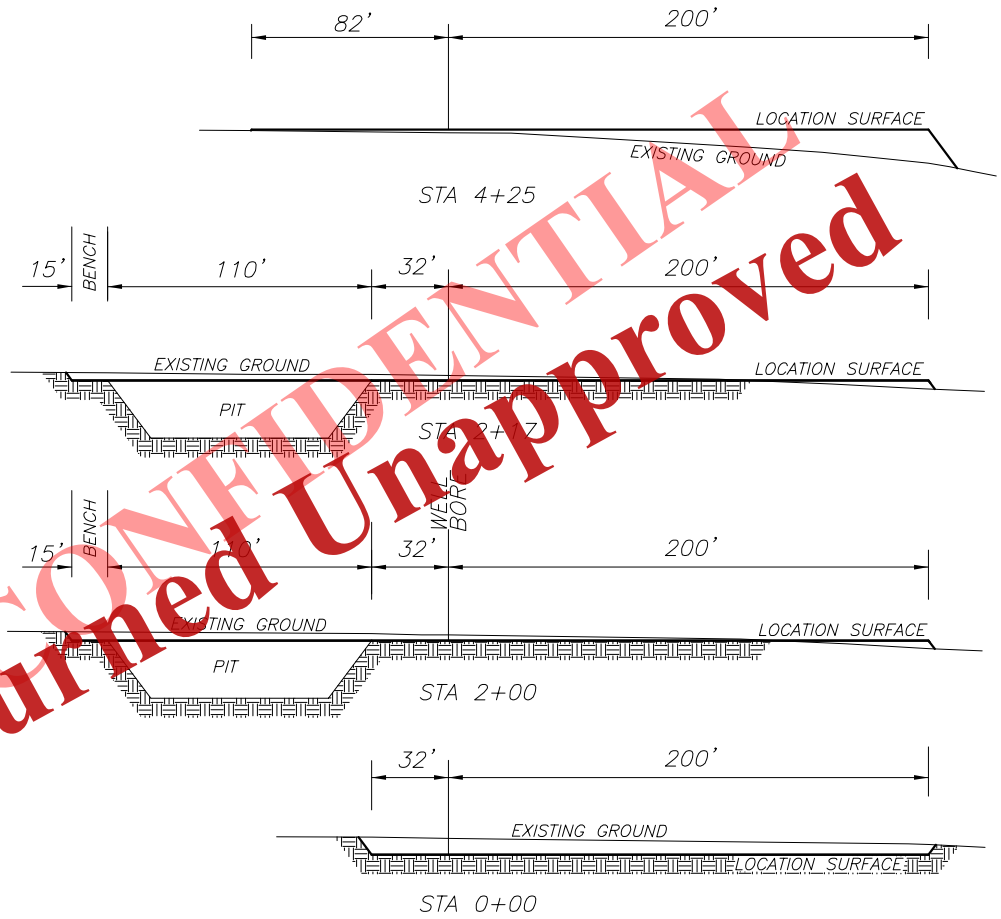
EP ENERGY E & P COMPANY, L.P.

FIGURE #2

LOCATION LAYOUT FOR
DUCHESNE CITY 3-30C4HZ
SECTION 30, T3S, R4W, U.S.B.&M.
1920' FSL, 263' FWL

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

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



CONFIDENTIAL
Returned Unapproved

APPROXIMATE QUANTITIES

TOTAL CUT (INCLUDING PIT) = 10,756 CU. YDS.

PIT CUT	=	4572 CU. YDS.
TOPSOIL STRIPPING: (6")	=	2565 CU. YDS.
REMAINING LOCATION CUT	=	3619 CU. YDS

TOTAL FILL = 3378 CU. YDS.

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

ACCESS ROAD GRAVEL=65 CU. YDS.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
3 AUG '12
STATE OF UTAH

Jerry D. Allred

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

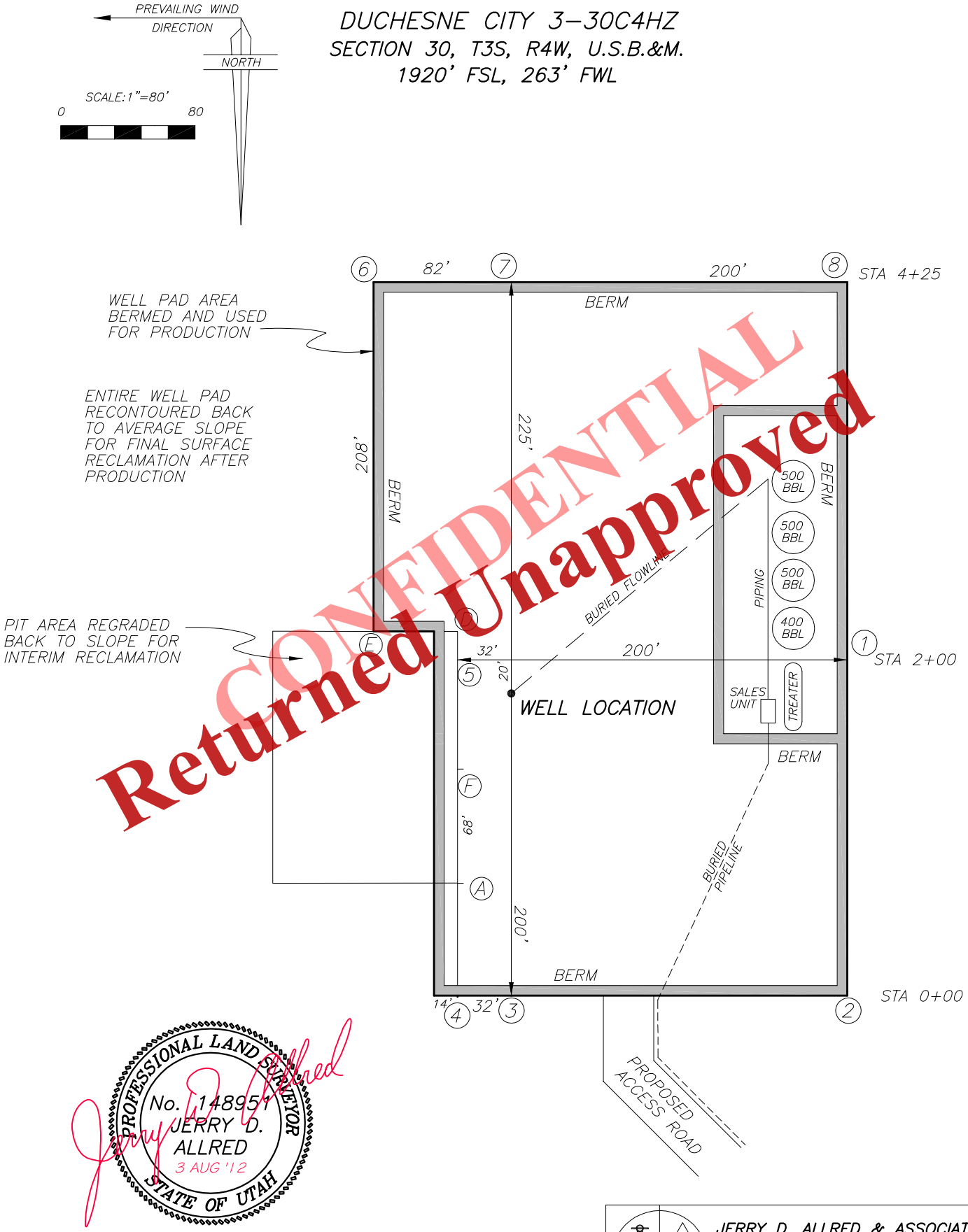
3 AUG 2012 01-128-311

Received: October 18, 2012

EP ENERGY E & P COMPANY, L.P.

FIGURE #3

LOCATION LAYOUT FOR
DUCHESNE CITY 3-30C4HZ
SECTION 30, T3S, R4W, U.S.B.&M.
1920' FSL, 263' FWL



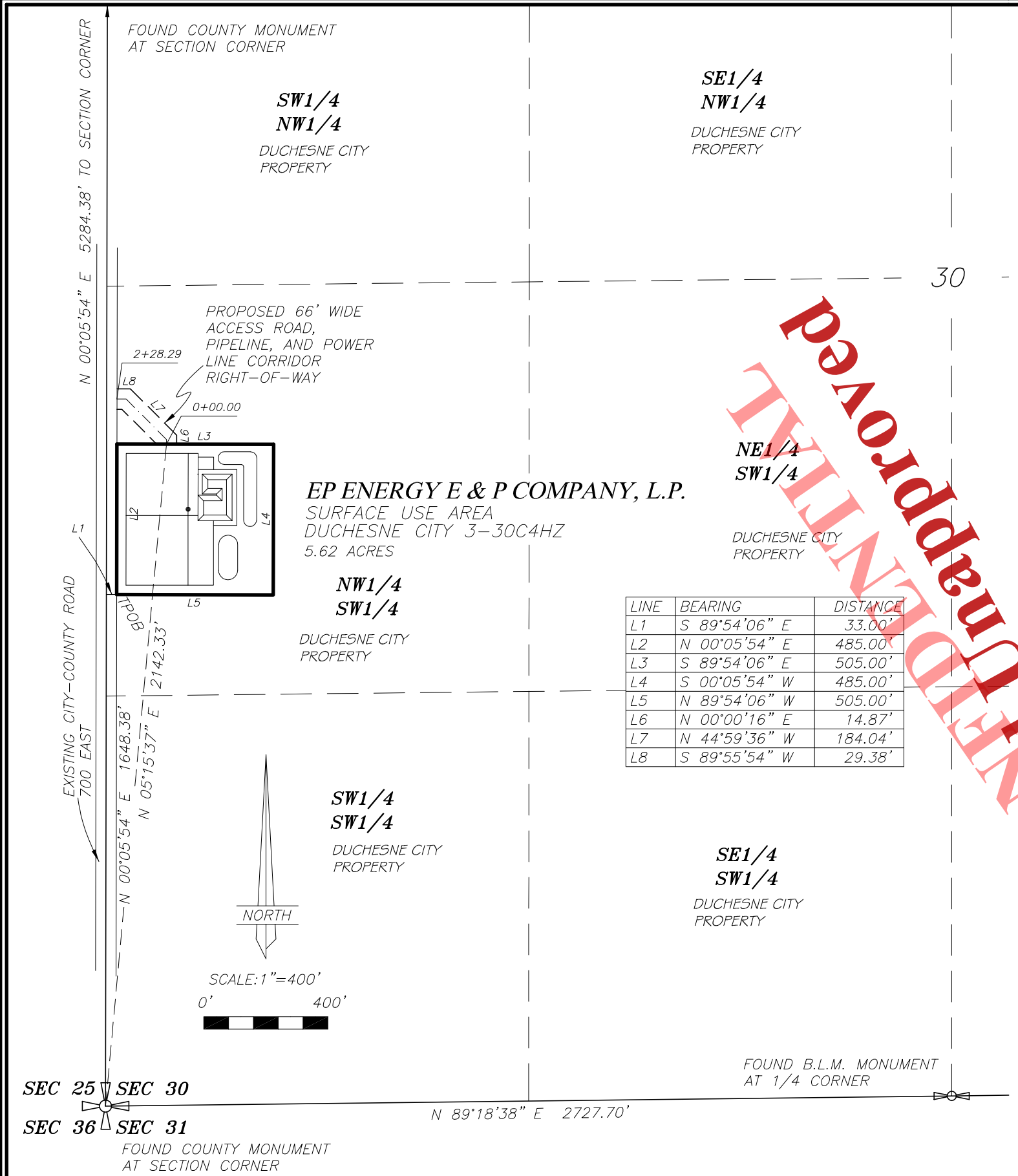
CONFIDENTIAL
Returned Unapproved

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

3 AUG 2012 01-128-311

Received: October 18, 2012

Received: October 18, 2012



LINE	BEARING	DISTANCE
L1	S 89°54'06" E	33.00'
L2	N 00°05'54" E	485.00'
L3	S 89°54'06" E	505.00'
L4	S 00°05'54" W	485.00'
L5	N 89°54'06" W	505.00'
L6	N 00°00'16" E	14.87'
L7	N 44°59'36" W	184.04'
L8	S 89°55'54" W	29.38'

CONFIDENTIAL
Unapproved
Returned

LOCATION USE AREA, ACCESS ROAD, PIPELINE, AND POWER LINE
CORRIDOR RIGHT-OF-WAY SURVEY FOR

EP ENERGY E&P COMPANY, L.P.

DUCHESNE CITY 3-30C4HZ

NW¼SW¼, SECTION 30, TOWNSHIP 3 SOUTH, RANGE 4 WEST, U.S.B.&M.
DUCHESNE COUNTY, UTAH

USE AREA BOUNDARY DESCRIPTION

Commencing at the Southwest Corner of Section 30, Township 3 South, Range 4 West of the Uintah Special Base and Meridian;
Thence North 00°05'54" East 1648.38 feet along the West line of said Section;
Thence South 89°54'06" East 33.00 feet to the TRUE POINT OF BEGINNING;
Thence North 00°05'54" East 485.00 feet;
Thence South 89°54'06" East 505.00 feet;
Thence South 00°05'54" West 485.00 feet;
Thence North 89°54'06" West 505.00 feet to the TRUE POINT OF BEGINNING, containing 5.62 acres.

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

A 66 feet wide access road, pipeline, and power line right-of-way over portions of Section 30, 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 Southwest Corner of Section 30, Township 3 South, Range 4 West of the Uintah Special Base and Meridian;
Thence North 05°15'37" East 2142.33 feet to the TRUE POINT OF BEGINNING, said point being on the North line of the EP Energy E&P Co. Duchesne City 3-30C4HZ well location surface use area boundary;;
Thence North 00°00'16" East 14.87 feet;
Thence North 44°59'36" West 184.04 feet;
Thence South 89°55'54" West 29.38 feet to the East line of the existing city-county street. Said right-of-way being 228.29 feet in length with the sidelines being shortened or elongated to intersect said use area boundary and said east road 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, pipeline, and power line 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.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
3 AUG '12
STATE OF UTAH

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

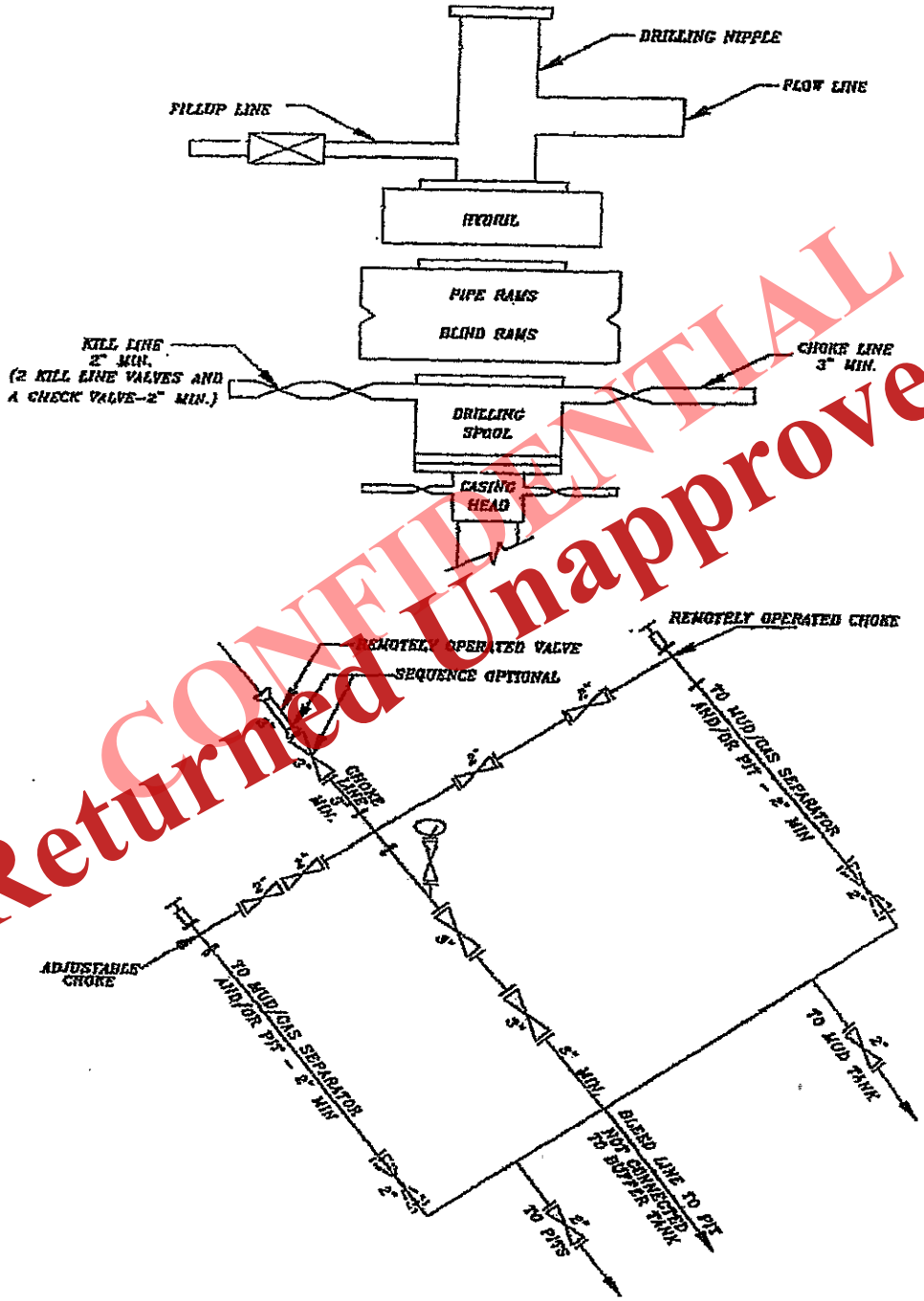
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE CONTROL MONUMENT LOCATED AT LAT. 40°10'43.26237"N AND LONG. 110°23'52.06157"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

3 AUG 2012 01-128-311

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

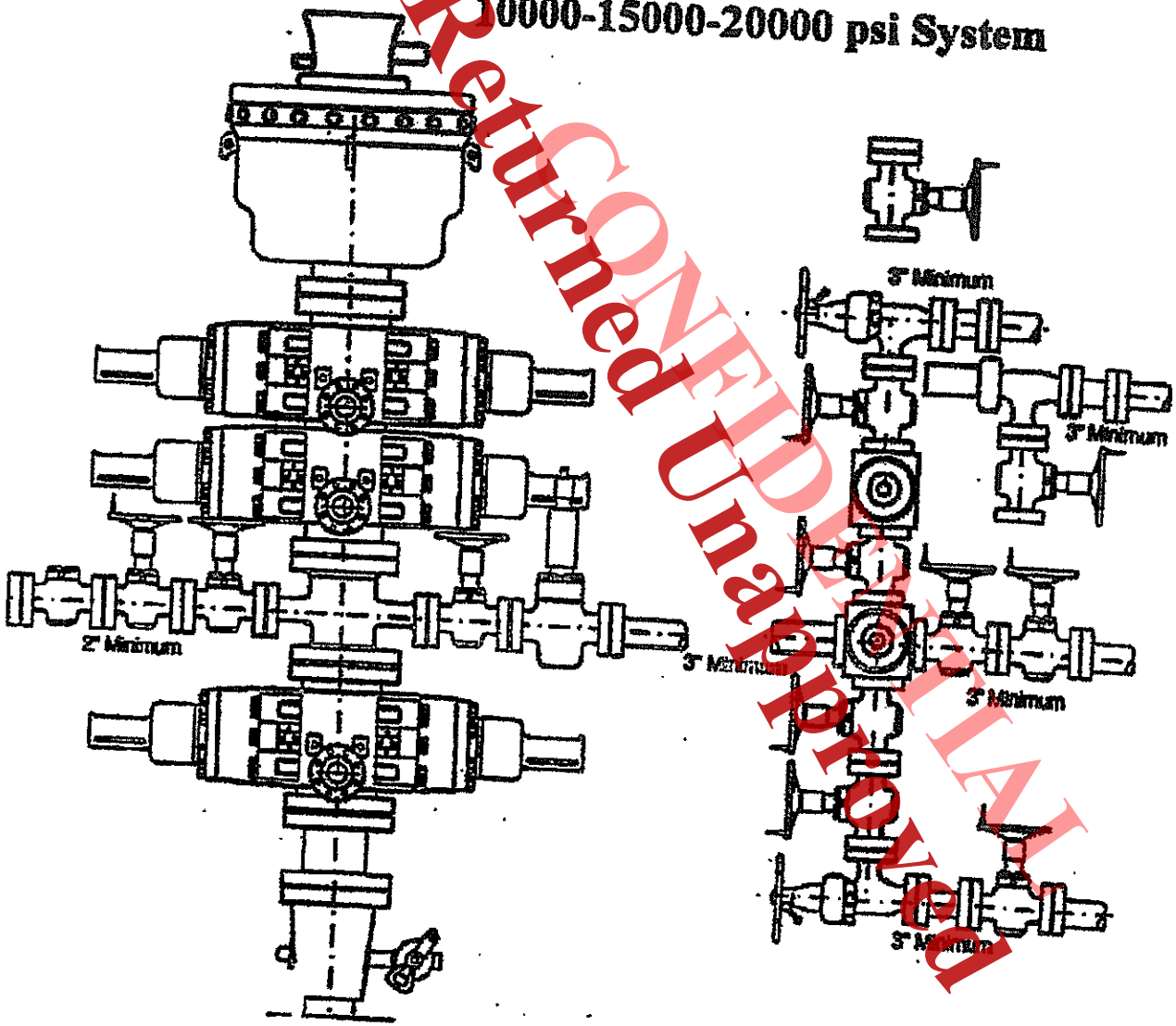
5M BOP STACK and CHOKE MANIFOLD SYSTEM



CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

10000-15000-20000 psi System



CONFIDENTIAL
Returned Unapproved

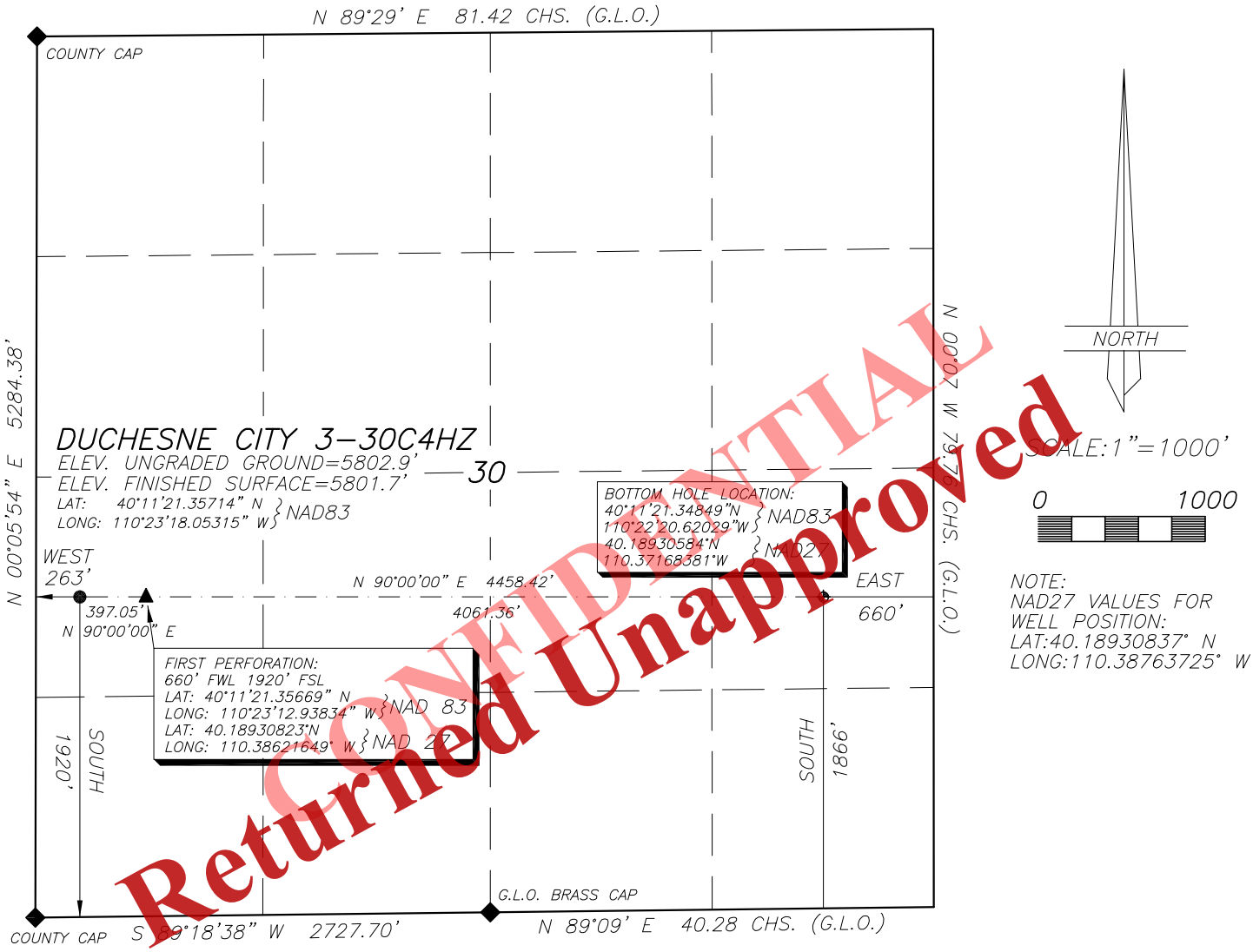
Received: October 18, 2012

EP ENERGY E & P COMPANY, L.P.

WELL LOCATION

DUCHESNE CITY 3–30C4HZ

LOCATED IN THE NW¼ OF THE SW¼ OF SECTION 30, T3S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH



NOTE:
NAD27 VALUES FOR WELL POSITION:
LAT:40.18930837° N
LONG:110.38763725° W

CONFIDENTIAL
Returned Unapproved

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 CONTROL MONUMENT LOCATED AT LAT. 40°10'43.26237"N AND LONG. 110°23'52.06157"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.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
13 AUG '12
STATE OF UTAH

Jerry D. Allred

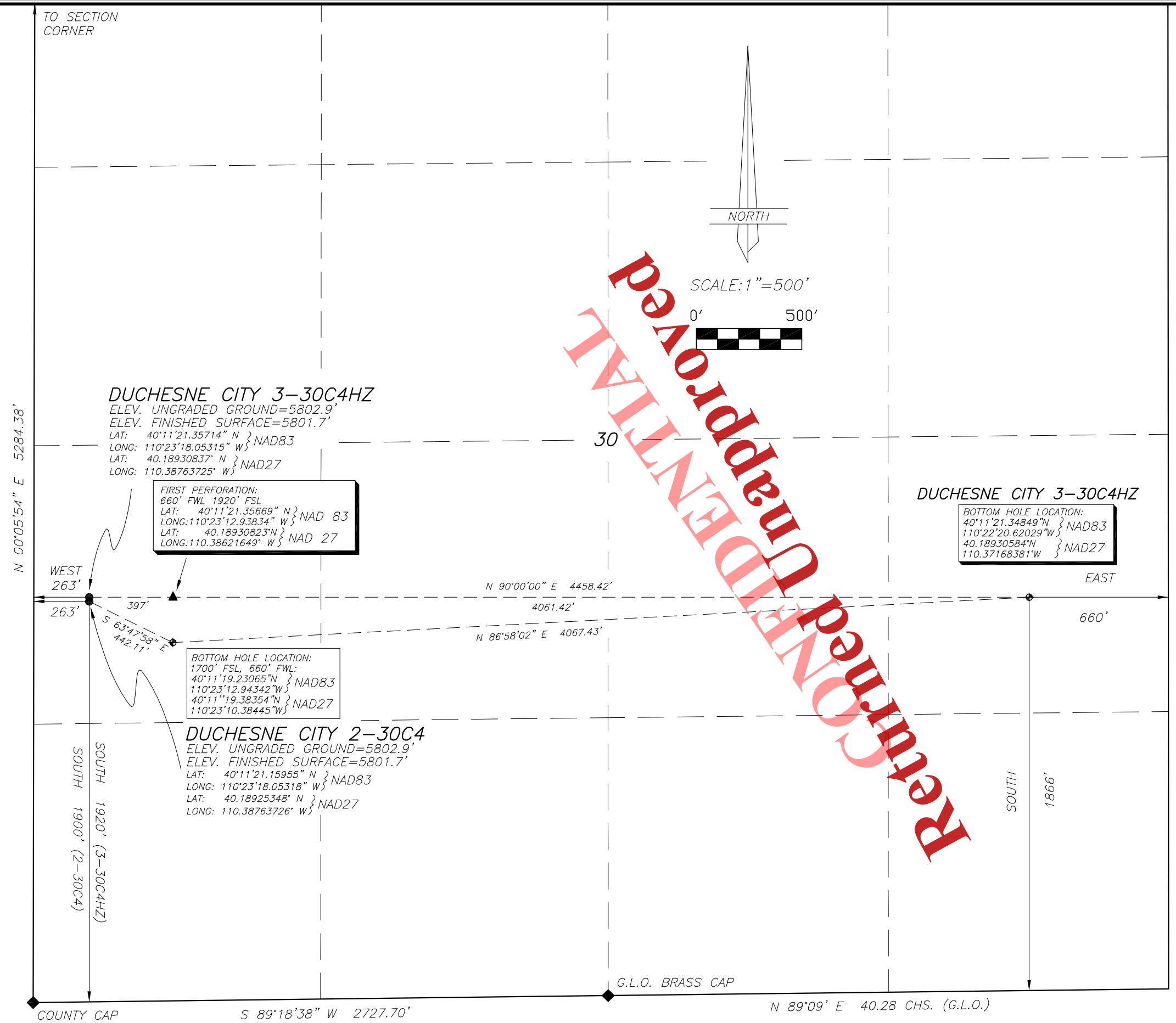
JERRY D. ALLRED, PROFESSIONAL LAND SURVEYOR, CERTIFICATE NO. 148951 (UTAH)

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

REV 19 SEP 2012
3 AUG 2012 01–128–311

Received: October 18, 2012

Received: October 18, 2012



CONFIDENTIAL
Unapproved
Redlined

SUPPLEMENTAL PLAT FOR WELL LOCATIONS

EP ENERGY E & P COMPANY, L.P.

DUCHESNE CITY 2-30C4 AND DUCHESNE CITY 3-30C4HZ

LOCATED IN THE NW¼ OF THE SW¼ OF SECTION 30, T3S, R4W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

LEGEND AND NOTES

◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

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 CONTROL MONUMENT LOCATED AT LAT. 40°10'43.26237"N AND LONG. 110°23'52.06157"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

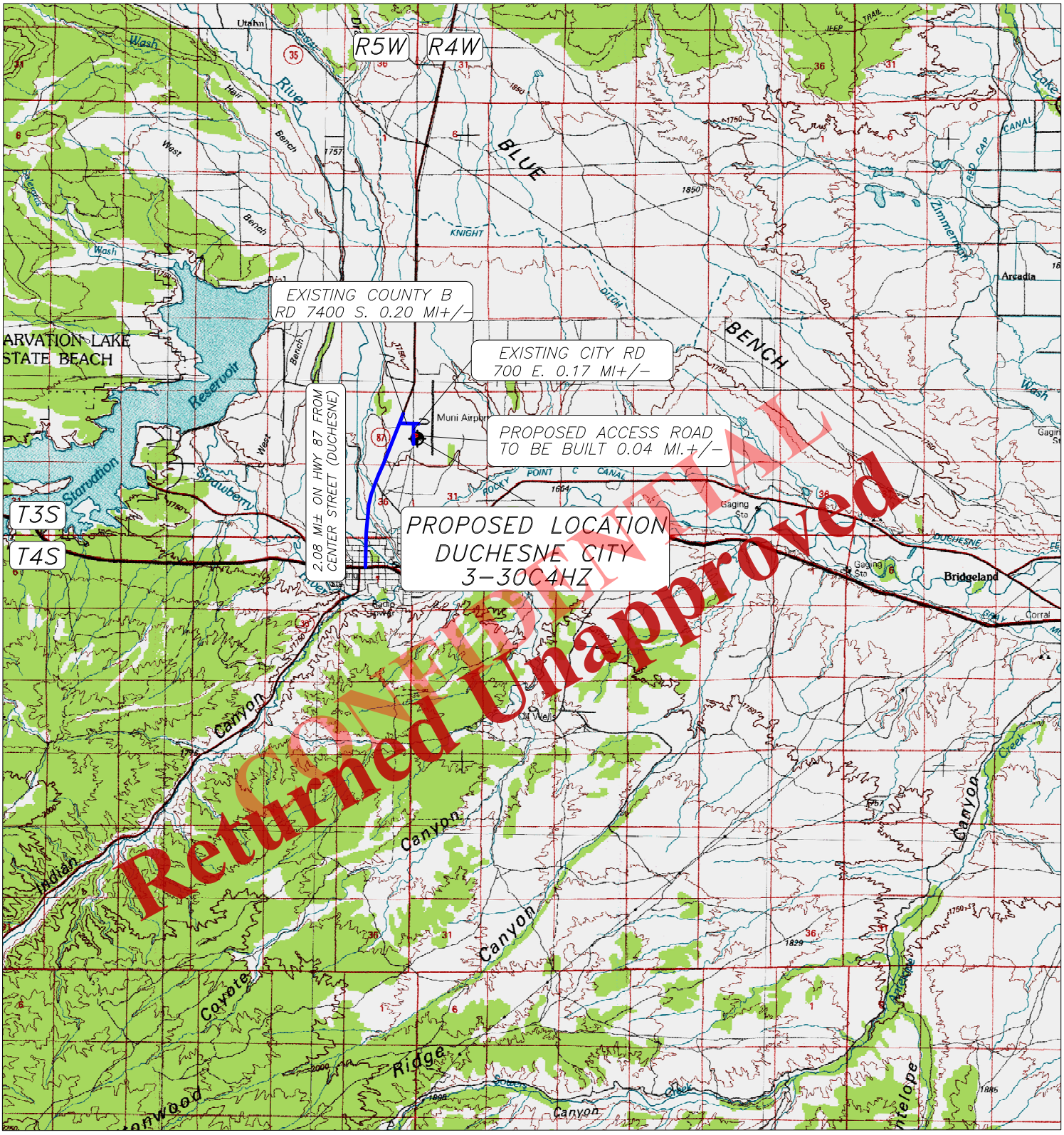
I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME, OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
26 SEP '12
STATE OF UTAH

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

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

26 SEP 2012 01-128-311



LEGEND:

PROPOSED WELL LOCATION

01-128-311

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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

NORTH

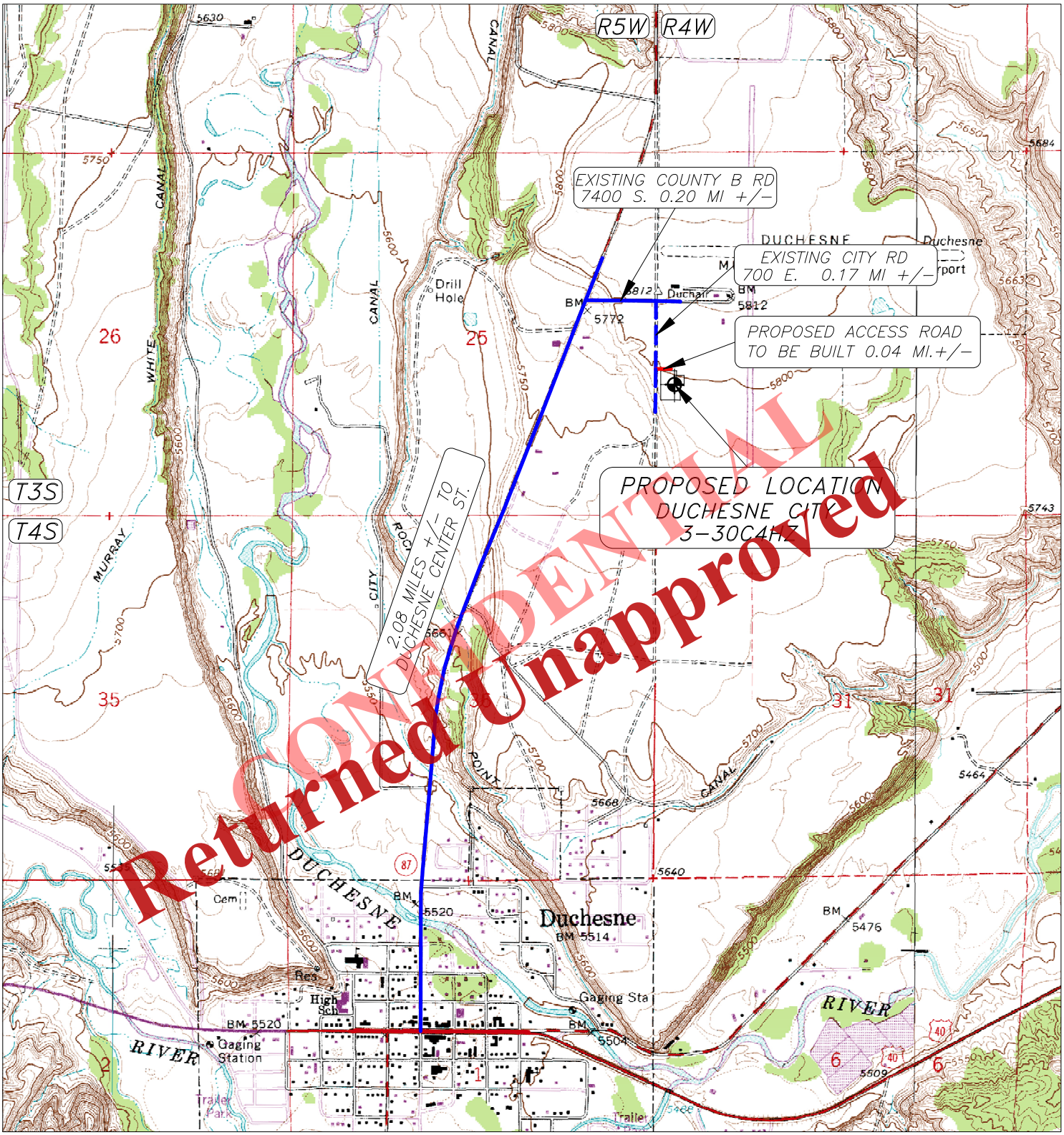
EP ENERGY E & P COMPANY, L.P.

DUCHESNE CITY 3-30C4HZ
SECTION 30, T3S, R4W, U.S.B.&M.
1920' FSL 263' FWL

TOPOGRAPHIC MAP "A"

SCALE; 1"=10,000'
3 AUG 2012

Received: October 18, 2012



LEGEND:

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

01-128-311

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

NORTH

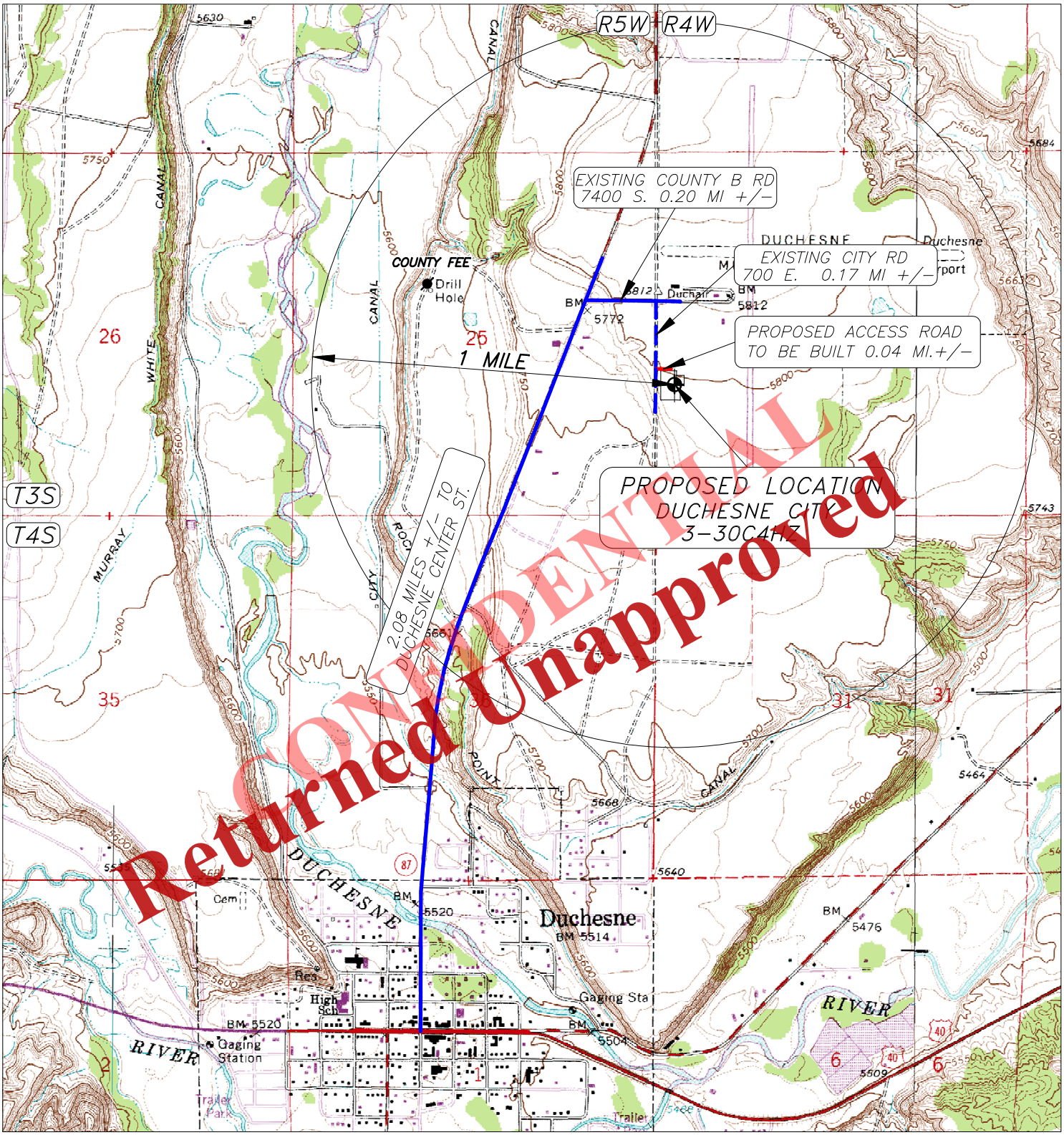
EP ENERGY E & P COMPANY, L.P.

DUCHESNE CITY 3-30C4HZ
SECTION 30, T3S, R4W, U.S.B.&M.
1920' FSL 263' FWL

TOPOGRAPHIC MAP "B"

SCALE; 1"=2000'
3 AUG 2012

Received: October 18, 2012



LEGEND:

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

01-128-311

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

NORTH

EP ENERGY E & P COMPANY, L.P.

DUCHESNE CITY 3-30C4HZ
SECTION 30, T3S, R4W, U.S.B.&M.
1920' FSL 263' FWL

TOPOGRAPHIC MAP "C"

SCALE; 1"=2000'
3 AUG 2012

Received: October 18, 2012

EP Energy

Field: Duchesne Co, UT
Site: Duchesne City 3-30C4HZ
Well: 3-30C4HZ
Wellpath: OH
Plan: Plan #3

Azimuths to True North
Magnetic North: 11.32°

Magnetic Field
Strength: 52234nT
Dip Angle: 65.82°
Date: 8/7/2012
Model: IGRF2010

CONFIDENTIAL
Returned Unapproved

FIELD DETAILS

Duchesne Co, UT

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

Duchesne City 3-30C4HZ
Sec. 30-T3S-R4W
1920' FSL & 263' FWL

Site Centre Latitude: 40°11'21.357N
Longitude: 110°23'12.938W

Ground Level: 5795.00
Positional Uncertainty: 0.00
Convergence: 0.71

WELLPATH DETAILS

OH

Rig:
Ref. Datum: SITE 5815.00ft

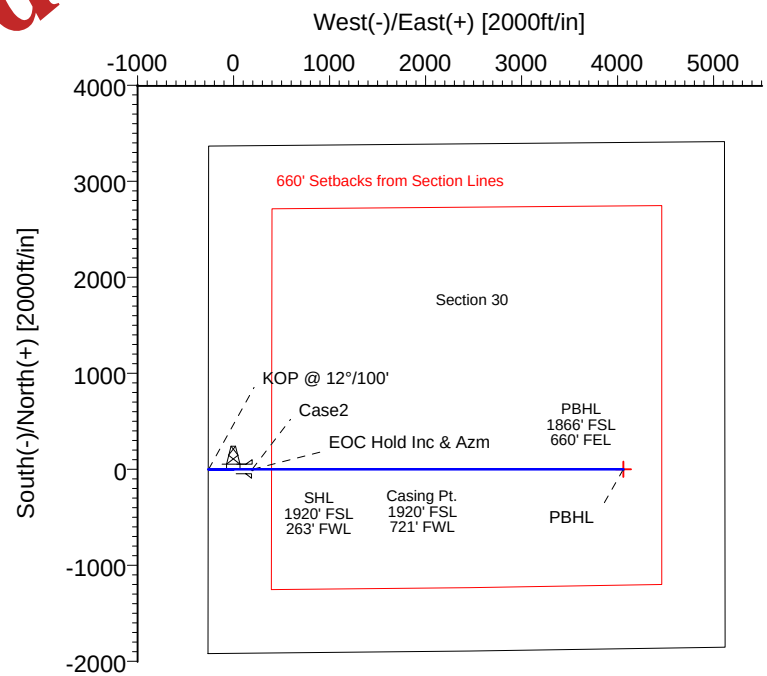
V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
90.01	0.00	0.00	0.00

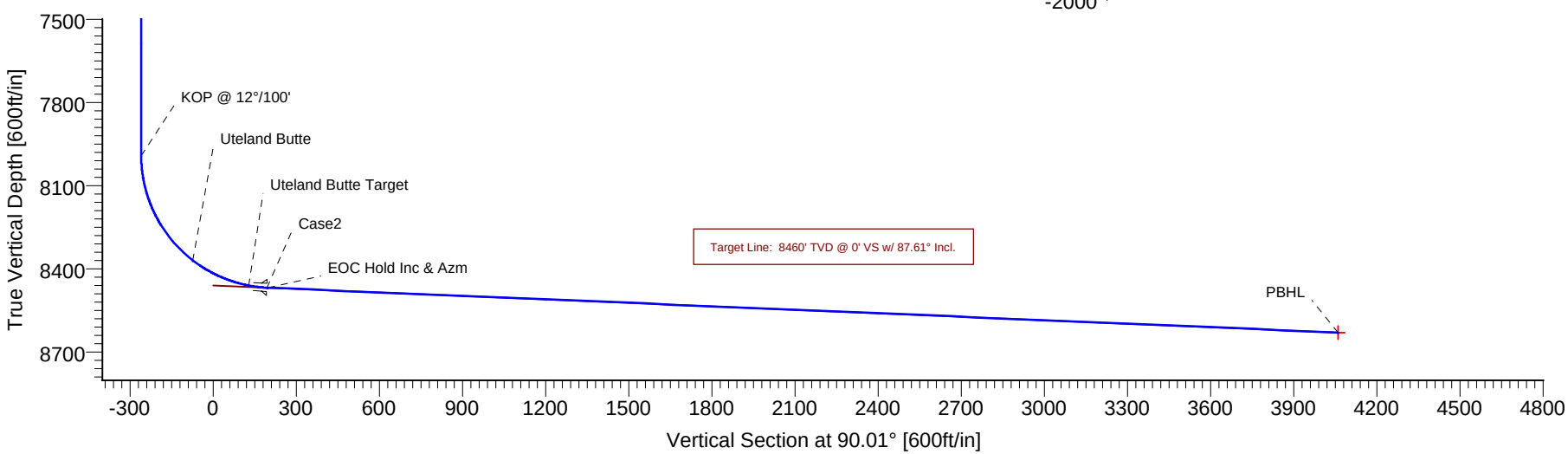
TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8646.00	-0.58	4059.96	7239664.68	1955425.82	40°11'21.348N	110°22'20.620W	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	
3	3850.00	7.00	270.00	3849.13	0.00	-21.35	2.00	270.00	-21.35	
4	5600.00	7.00	270.00	5586.09	0.00	-234.63	0.00	0.00	-234.63	
5	6014.95	0.00	0.00	6000.00	0.00	-259.94	1.69	180.00	-259.94	
6	8005.95	0.00	0.00	7991.00	0.00	-259.94	0.00	0.00	-259.94	
7	8736.00	87.61	90.01	8468.05	-0.06	197.59	12.00	90.01	197.59	
8	12601.75	87.61	90.01	8629.45	-0.58	4059.96	0.00	0.00	4059.96	PBHL





Ryan Energy Technologies
19510 Oil Center Blvd
Houston, TX 77073
Ph: 281-443-1414
Fx: 281-443-1676

RYAN DIRECTIONAL SERVICES
A NABORS COMPANY

Plan: Plan #3 (3-30C4HZ/OH)
Created By: Erik De La Fe Date: 9/28/2012
Checked: _____ Date: _____
Reviewed: _____ Date: _____
Approved: _____ Date: _____

Received: October 18, 2012

EP ENERGY

Ryan Directional Services
Planning Report

RYAN DIRECTIONAL SERVICES
A NABORS COMPANY

Company:	EP Energy	**Date:** 9/28/2012	**Time:** 09:50:32	**Page:**	1
Field:	Duchesne Co, UT	**Co-ordinate(NE) Reference:**	Site: Duchesne City 3-30C4HZ, True North		
Site:	Duchesne City 3-30C4HZ	**Vertical (TVD) Reference:**	SITE 5815.0		
Well:	3-30C4HZ	**Section (VS) Reference:**	Well (0.00N,0.00E,90.01Azi)		
Wellpath:	OH	**Plan:**	Plan #3		

Field: Duchesne Co, UT

Map System: US State Plane Coordinate System 1983 — **Map Zone:** Utah, Central Zone
Geo Datum: GRS 1980 — **Coordinate System:** Site Centre
Sys Datum: Mean Sea Level — **Geomagnetic Model:** IGRF2010

Site: Duchesne City 3-30C4HZ
Sec. 30-T3S-R4W
1920' FSL & 263' FWL

Site Position: — **Northing:** 7239614.74 ft — **Latitude:** 40 11 21.357 N
From: Geographic — **Easting:** 1951366.17 ft — **Longitude:** 110 23 12.938 W
Position Uncertainty: 0.00 ft — **North Reference:** True
Ground Level: 5795.00 ft — **Grid Convergence:** 0.71 deg

Well: 3-30C4HZ — **Slot Name:**

Well Position: +N/-S 0.00 ft — **Northing:** 7239614.74 ft — **Latitude:** 40 11 21.357 N
+E/-W 0.00 ft — **Easting :** 1951366.17 ft — **Longitude:** 110 23 12.938 W
Position Uncertainty: 0.00 ft

Wellpath: OH — **Drilled From:** Surface
Tie-on Depth: 0.00 ft
Current Datum: SITE — **Height** 5815.00 ft — **Above System Datum:** Mean Sea Level
Magnetic Data: 8/7/2012 — **Declination:** 11.32 deg
Field Strength: 52234 nT — **Mag Dip Angle:** 65.82 deg

Vertical Section:	**Depth From (TVD)** ft	**+N/-S** ft	**+E/-W** ft	**Direction** deg
	0.00	0.00	0.00	90.01

Plan: Plan #3 — **Date Composed:** 9/28/2012
Version: 1
Principal: Yes — **Tied-to:** From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3850.00	7.00	270.00	3849.13	0.00	-21.35	2.00	2.00	0.00	270.00	
5600.00	7.00	270.00	5586.09	0.00	-234.63	0.00	0.00	0.00	0.00	
6014.95	0.00	0.00	6000.00	0.00	-259.94	1.69	-1.69	21.69	180.00	
8005.95	0.00	0.00	7991.00	0.00	-259.94	0.00	0.00	0.00	0.00	
8736.00	87.61	90.01	8468.05	-0.06	197.59	12.00	12.00	12.33	90.01	
12601.75	87.61	90.01	8629.45	-0.58	4059.96	0.00	0.00	0.00	0.00	PBHL

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 2 : Start Build 2.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
3600.00	2.00	270.00	3599.98	0.00	-1.75	-1.75	2.00	2.00	0.00	0.00
3700.00	4.00	270.00	3699.84	0.00	-6.98	-6.98	2.00	2.00	0.00	0.00
3800.00	6.00	270.00	3799.45	0.00	-15.69	-15.69	2.00	2.00	0.00	0.00
3850.00	7.00	270.00	3849.13	0.00	-21.35	-21.35	2.00	2.00	0.00	0.00

CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

Company:	EP Energy	**Date:** 9/28/2012	**Time:** 09:50:32	**Page:**	2
Field:	Duchesne Co, UT	**Co-ordinate(NE) Reference:**	Site: Duchesne City 3-30C4HZ, True North		
Site:	Duchesne City 3-30C4HZ	**Vertical (TVD) Reference:**	SITE 5815.0		
Well:	3-30C4HZ	**Section (VS) Reference:**	Well (0.00N,0.00E,90.01Azi)		
Wellpath:	OH	**Plan:**	Plan #3		

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
3900.00	7.00	270.00	3898.76	0.00	-27.45	-27.45	0.00	0.00	0.00	0.00
4000.00	7.00	270.00	3998.01	0.00	-39.63	-39.63	0.00	0.00	0.00	0.00
4100.00	7.00	270.00	4097.27	0.00	-51.82	-51.82	0.00	0.00	0.00	0.00
4200.00	7.00	270.00	4196.52	0.00	-64.01	-64.01	0.00	0.00	0.00	0.00
4224.66	7.00	270.00	4221.00	0.00	-67.01	-67.01	0.00	0.00	0.00	0.00
4300.00	7.00	270.00	4295.78	0.00	-76.19	-76.19	0.00	0.00	0.00	0.00
4400.00	7.00	270.00	4395.03	0.00	-88.38	-88.38	0.00	0.00	0.00	0.00
4500.00	7.00	270.00	4494.28	0.00	-100.57	-100.57	0.00	0.00	0.00	0.00
4600.00	7.00	270.00	4593.54	0.00	-112.76	-112.76	0.00	0.00	0.00	0.00
4700.00	7.00	270.00	4692.79	0.00	-124.94	-124.94	0.00	0.00	0.00	0.00
4800.00	7.00	270.00	4792.05	0.00	-137.13	-137.13	0.00	0.00	0.00	0.00
4900.00	7.00	270.00	4891.30	0.00	-149.32	-149.32	0.00	0.00	0.00	0.00
5000.00	7.00	270.00	4990.56	0.00	-161.50	-161.50	0.00	0.00	0.00	0.00
5100.00	7.00	270.00	5089.81	0.00	-173.69	-173.69	0.00	0.00	0.00	0.00
5112.28	7.00	270.00	5102.00	0.00	-175.19	-175.19	0.00	0.00	0.00	0.00
5200.00	7.00	270.00	5189.07	0.00	-185.88	-185.88	0.00	0.00	0.00	0.00
5300.00	7.00	270.00	5288.32	0.00	-198.06	-198.06	0.00	0.00	0.00	0.00
5400.00	7.00	270.00	5387.58	0.00	-210.25	-210.25	0.00	0.00	0.00	0.00
5500.00	7.00	270.00	5486.83	0.00	-222.44	-222.44	0.00	0.00	0.00	0.00
5600.00	7.00	270.00	5586.09	0.00	-234.63	-234.63	0.00	0.00	0.00	0.00

Section 4 : Start DLS 1.69 TFO 180.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5700.00	5.31	270.00	5685.51	0.00	-245.35	-245.35	1.69	-1.69	0.00	180.00
5800.00	3.63	270.00	5785.20	0.00	-253.14	-253.14	1.69	-1.69	0.00	180.00
5900.00	1.94	270.00	5885.08	0.00	-258.00	-258.00	1.69	-1.69	0.00	180.00
6000.00	0.25	270.00	5985.05	0.00	-259.91	-259.91	1.69	-1.69	0.00	180.00
6014.95	0.00	0.00	6000.00	0.00	-259.94	-259.94	1.69	-1.69	0.00	180.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6100.00	0.00	0.00	6085.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
6172.95	0.00	0.00	6158.00	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
6200.00	0.00	0.00	6185.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
6300.00	0.00	0.00	6285.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
6400.00	0.00	0.00	6385.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
6500.00	0.00	0.00	6485.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
6600.00	0.00	0.00	6585.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
6700.00	0.00	0.00	6685.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
6800.00	0.00	0.00	6785.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
6900.00	0.00	0.00	6885.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
7000.00	0.00	0.00	6985.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
7100.00	0.00	0.00	7085.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
7200.00	0.00	0.00	7185.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
7300.00	0.00	0.00	7285.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
7400.00	0.00	0.00	7385.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
7500.00	0.00	0.00	7485.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
7600.00	0.00	0.00	7585.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
7700.00	0.00	0.00	7685.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
7800.00	0.00	0.00	7785.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
7900.00	0.00	0.00	7885.05	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00
8005.95	0.00	0.00	7991.00	0.00	-259.94	-259.94	0.00	0.00	0.00	0.00

Section 6 : Start DLS 12.00 TFO 90.01

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
8025.00	2.29	90.01	8010.05	0.00	-259.56	-259.56	12.00	12.00	0.00	0.00
8050.00	5.29	90.01	8034.99	0.00	-257.91	-257.91	12.00	12.00	0.00	0.00
8075.00	8.29	90.01	8059.81	0.00	-254.96	-254.96	12.00	12.00	0.00	0.00

CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

Company:	EP Energy	**Date:** 9/28/2012	**Time:** 09:50:32	**Page:**	3
Field:	Duchesne Co, UT	**Co-ordinate(NE) Reference:**	Site: Duchesne City 3-30C4HZ, True North		
Site:	Duchesne City 3-30C4HZ	**Vertical (TVD) Reference:**	SITE 5815.0		
Well:	3-30C4HZ	**Section (VS) Reference:**	Well (0.00N,0.00E,90.01Azi)		
Wellpath:	OH	**Plan:**	Plan #3		

Section 6 : Start DLS 12.00 TFO 90.01

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
8100.00	11.29	90.01	8084.45	0.00	-250.71	-250.71	12.00	12.00	0.00	0.00
8125.00	14.29	90.01	8108.82	0.00	-245.17	-245.17	12.00	12.00	0.00	0.00
8150.00	17.29	90.01	8132.88	0.00	-238.37	-238.37	12.00	12.00	0.00	0.00
8175.00	20.29	90.01	8156.54	0.00	-230.32	-230.32	12.00	12.00	0.00	0.00
8200.00	23.29	90.01	8179.76	-0.01	-221.05	-221.05	12.00	12.00	0.00	0.00
8225.00	26.29	90.01	8202.45	-0.01	-210.57	-210.57	12.00	12.00	0.00	0.00
8250.00	29.29	90.01	8224.56	-0.01	-198.91	-198.91	12.00	12.00	0.00	0.00
8275.00	32.29	90.01	8246.04	-0.01	-186.12	-186.12	12.00	12.00	0.00	0.00
8300.00	35.29	90.01	8266.81	-0.01	-172.22	-172.22	12.00	12.00	0.00	0.00
8325.00	38.29	90.01	8286.83	-0.01	-157.25	-157.25	12.00	12.00	0.00	0.00
8350.00	41.29	90.01	8306.04	-0.02	-141.25	-141.25	12.00	12.00	0.00	0.00
8375.00	44.29	90.01	8324.39	-0.02	-124.27	-124.27	12.00	12.00	0.00	0.00
8400.00	47.29	90.01	8341.82	-0.02	-106.36	-106.36	12.00	12.00	0.00	0.00
8425.00	50.29	90.01	8358.29	-0.02	-87.55	-87.55	12.00	12.00	0.00	0.00
8442.14	52.34	90.01	8369.00	-0.03	-74.18	-74.18	12.00	12.00	0.00	0.00
8450.00	53.29	90.01	8373.75	-0.03	-67.91	-67.91	12.00	12.00	0.00	0.00
8475.00	56.29	90.01	8388.17	-0.03	-47.49	-47.49	12.00	12.00	0.00	0.00
8500.00	59.29	90.01	8401.49	-0.03	-26.34	-26.34	12.00	12.00	0.00	0.00
8525.00	62.29	90.01	8413.69	-0.03	-4.52	-4.52	12.00	12.00	0.00	0.00
8550.00	65.29	90.01	8424.73	-0.04	17.90	17.90	12.00	12.00	0.00	0.00
8575.00	68.29	90.01	8434.59	-0.04	40.88	40.88	12.00	12.00	0.00	0.00
8600.00	71.29	90.01	8443.22	-0.04	64.34	64.34	12.00	12.00	0.00	0.00
8625.00	74.29	90.01	8450.62	-0.05	88.21	88.21	12.00	12.00	0.00	0.00
8650.00	77.29	90.01	8456.76	-0.05	112.45	112.45	12.00	12.00	0.00	0.00
8665.91	79.20	90.01	8460.00	-0.05	128.02	128.02	12.00	12.00	0.00	0.00
8675.00	80.29	90.01	8461.62	-0.05	136.97	136.97	12.00	12.00	0.00	0.00
8700.00	83.29	90.01	8465.19	-0.06	161.71	161.71	12.00	12.00	0.00	0.00
8725.00	86.29	90.01	8467.46	-0.06	186.60	186.60	12.00	12.00	0.00	0.00
8732.16	87.15	90.01	8467.87	-0.06	193.75	193.75	12.00	12.00	0.00	0.00
8736.00	87.61	90.01	8468.05	-0.06	197.59	197.59	12.00	12.00	0.00	0.00

Section 7 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
8800.00	87.61	90.01	8470.72	-0.07	261.53	261.53	0.00	0.00	0.00	0.00
8900.00	87.61	90.01	8474.90	-0.08	361.44	361.44	0.00	0.00	0.00	0.00
9000.00	87.61	90.01	8479.07	-0.10	461.35	461.35	0.00	0.00	0.00	0.00
9100.00	87.61	90.01	8483.25	-0.11	561.27	561.27	0.00	0.00	0.00	0.00
9200.00	87.61	90.01	8487.42	-0.12	661.18	661.18	0.00	0.00	0.00	0.00
9300.00	87.61	90.01	8491.60	-0.14	761.09	761.09	0.00	0.00	0.00	0.00
9400.00	87.61	90.01	8495.77	-0.15	861.00	861.00	0.00	0.00	0.00	0.00
9500.00	87.61	90.01	8499.95	-0.17	960.92	960.92	0.00	0.00	0.00	0.00
9600.00	87.61	90.01	8504.12	-0.18	1060.83	1060.83	0.00	0.00	0.00	0.00
9700.00	87.61	90.01	8508.30	-0.19	1160.74	1160.74	0.00	0.00	0.00	0.00
9800.00	87.61	90.01	8512.47	-0.21	1260.66	1260.66	0.00	0.00	0.00	0.00
9900.00	87.61	90.01	8516.65	-0.22	1360.57	1360.57	0.00	0.00	0.00	0.00
10000.00	87.61	90.01	8520.82	-0.23	1460.48	1460.48	0.00	0.00	0.00	0.00
10004.25	87.61	90.01	8521.00	-0.23	1464.73	1464.73	0.00	0.00	0.00	0.00
10100.00	87.61	90.01	8525.00	-0.25	1560.39	1560.39	0.00	0.00	0.00	0.00
10200.00	87.61	90.01	8529.17	-0.26	1660.31	1660.31	0.00	0.00	0.00	0.00
10300.00	87.61	90.01	8533.35	-0.27	1760.22	1760.22	0.00	0.00	0.00	0.00
10400.00	87.61	90.01	8537.52	-0.29	1860.13	1860.13	0.00	0.00	0.00	0.00
10500.00	87.61	90.01	8541.70	-0.30	1960.05	1960.05	0.00	0.00	0.00	0.00
10600.00	87.61	90.01	8545.87	-0.31	2059.96	2059.96	0.00	0.00	0.00	0.00
10700.00	87.61	90.01	8550.05	-0.33	2159.87	2159.87	0.00	0.00	0.00	0.00
10800.00	87.61	90.01	8554.22	-0.34	2259.78	2259.78	0.00	0.00	0.00	0.00
10900.00	87.61	90.01	8558.40	-0.35	2359.70	2359.70	0.00	0.00	0.00	0.00
11000.00	87.61	90.01	8562.57	-0.37	2459.61	2459.61	0.00	0.00	0.00	0.00
11100.00	87.61	90.01	8566.75	-0.38	2559.52	2559.52	0.00	0.00	0.00	0.00
11200.00	87.61	90.01	8570.92	-0.40	2659.44	2659.44	0.00	0.00	0.00	0.00
11300.00	87.61	90.01	8575.10	-0.41	2759.35	2759.35	0.00	0.00	0.00	0.00
11400.00	87.61	90.01	8579.27	-0.42	2859.26	2859.26	0.00	0.00	0.00	0.00
11500.00	87.61	90.01	8583.45	-0.44	2959.17	2959.17	0.00	0.00	0.00	0.00

CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

Company:	EP Energy	**Date:** 9/28/2012	**Time:** 09:50:32	**Page:**	4
Field:	Duchesne Co, UT	**Co-ordinate(NE) Reference:**	Site: Duchesne City 3-30C4HZ, True North		
Site:	Duchesne City 3-30C4HZ	**Vertical (TVD) Reference:**	SITE 5815.0		
Well:	3-30C4HZ	**Section (VS) Reference:**	Well (0.00N,0.00E,90.01Azi)		
Wellpath:	OH	**Plan:**	Plan #3		

Section 7 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
11600.00	87.61	90.01	8587.63	-0.45	3059.09	3059.09	0.00	0.00	0.00	0.00
11700.00	87.61	90.01	8591.80	-0.46	3159.00	3159.00	0.00	0.00	0.00	0.00
11800.00	87.61	90.01	8595.98	-0.48	3258.91	3258.91	0.00	0.00	0.00	0.00
11900.00	87.61	90.01	8600.15	-0.49	3358.82	3358.82	0.00	0.00	0.00	0.00
12000.00	87.61	90.01	8604.33	-0.50	3458.74	3458.74	0.00	0.00	0.00	0.00
12100.00	87.61	90.01	8608.50	-0.52	3558.65	3558.65	0.00	0.00	0.00	0.00
12200.00	87.61	90.01	8612.68	-0.53	3658.56	3658.56	0.00	0.00	0.00	0.00
12300.00	87.61	90.01	8616.85	-0.54	3758.48	3758.48	0.00	0.00	0.00	0.00
12400.00	87.61	90.01	8621.03	-0.56	3858.39	3858.39	0.00	0.00	0.00	0.00
12500.00	87.61	90.01	8625.20	-0.57	3958.30	3958.30	0.00	0.00	0.00	0.00
12601.75	87.61	90.01	8629.45	-0.58	4059.96	4059.96	0.00	0.00	0.00	0.00

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	2.00	270.00	3599.98	0.00	-1.75	-1.75	2.00	2.00	0.00	
3700.00	4.00	270.00	3699.84	0.00	-6.98	-6.98	2.00	2.00	0.00	
3800.00	6.00	270.00	3799.45	0.00	-15.69	-15.69	2.00	2.00	0.00	
3850.00	7.00	270.00	3849.13	0.00	-21.35	-21.35	2.00	2.00	0.00	
3900.00	7.00	270.00	3898.76	0.00	-27.45	-27.45	0.00	0.00	0.00	
4000.00	7.00	270.00	3998.01	0.00	-39.63	-39.63	0.00	0.00	0.00	
4100.00	7.00	270.00	4097.27	0.00	-51.82	-51.82	0.00	0.00	0.00	
4200.00	7.00	270.00	4196.52	0.00	-64.01	-64.01	0.00	0.00	0.00	
4224.66	7.00	270.00	4221.00	0.00	-67.01	-67.01	0.00	0.00	0.00	Green River GRNT1
4300.00	7.00	270.00	4295.78	0.00	-76.19	-76.19	0.00	0.00	0.00	
4400.00	7.00	270.00	4395.03	0.00	-88.38	-88.38	0.00	0.00	0.00	
4500.00	7.00	270.00	4494.28	0.00	-100.57	-100.57	0.00	0.00	0.00	
4600.00	7.00	270.00	4593.54	0.00	-112.76	-112.76	0.00	0.00	0.00	
4700.00	7.00	270.00	4692.79	0.00	-124.94	-124.94	0.00	0.00	0.00	
4800.00	7.00	270.00	4792.05	0.00	-137.13	-137.13	0.00	0.00	0.00	
4900.00	7.00	270.00	4891.30	0.00	-149.32	-149.32	0.00	0.00	0.00	
5000.00	7.00	270.00	4990.56	0.00	-161.50	-161.50	0.00	0.00	0.00	
5100.00	7.00	270.00	5089.81	0.00	-173.69	-173.69	0.00	0.00	0.00	
5112.28	7.00	270.00	5102.00	0.00	-175.19	-175.19	0.00	0.00	0.00	Mahogany Bench
5200.00	7.00	270.00	5189.07	0.00	-185.88	-185.88	0.00	0.00	0.00	
5300.00	7.00	270.00	5288.32	0.00	-198.06	-198.06	0.00	0.00	0.00	
5400.00	7.00	270.00	5387.58	0.00	-210.25	-210.25	0.00	0.00	0.00	
5500.00	7.00	270.00	5486.83	0.00	-222.44	-222.44	0.00	0.00	0.00	
5600.00	7.00	270.00	5586.09	0.00	-234.63	-234.63	0.00	0.00	0.00	
5700.00	5.31	270.00	5685.51	0.00	-245.35	-245.35	1.69	-1.69	0.00	
5800.00	3.63	270.00	5785.20	0.00	-253.14	-253.14	1.69	-1.69	0.00	
5900.00	1.94	270.00	5885.08	0.00	-258.00	-258.00	1.69	-1.69	0.00	
6000.00	0.25	270.00	5985.05	0.00	-259.91	-259.91	1.69	-1.69	0.00	
6014.95	0.00	0.00	6000.00	0.00	-259.94	-259.94	1.69	-1.69	0.00	
6100.00	0.00	0.00	6085.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
6172.95	0.00	0.00	6158.00	0.00	-259.94	-259.94	0.00	0.00	0.00	Lower Green River TGR3
6200.00	0.00	0.00	6185.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
6300.00	0.00	0.00	6285.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
6400.00	0.00	0.00	6385.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
6500.00	0.00	0.00	6485.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
6600.00	0.00	0.00	6585.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
6700.00	0.00	0.00	6685.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
6800.00	0.00	0.00	6785.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
6900.00	0.00	0.00	6885.05	0.00	-259.94	-259.94	0.00	0.00	0.00	

CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

Company:	EP Energy	**Date:** 9/28/2012	**Time:** 09:50:32	**Page:**	5
Field:	Duchesne Co, UT	**Co-ordinate(NE) Reference:**	Site: Duchesne City 3-30C4HZ, True North		
Site:	Duchesne City 3-30C4HZ	**Vertical (TVD) Reference:**	SITE 5815.0		
Well:	3-30C4HZ	**Section (VS) Reference:**	Well (0.00N,0.00E,90.01Azi)		
Wellpath:	OH	**Plan:**	Plan #3		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7000.00	0.00	0.00	6985.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
7100.00	0.00	0.00	7085.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
7200.00	0.00	0.00	7185.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
7300.00	0.00	0.00	7285.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
7400.00	0.00	0.00	7385.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
7500.00	0.00	0.00	7485.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
7600.00	0.00	0.00	7585.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
7700.00	0.00	0.00	7685.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
7800.00	0.00	0.00	7785.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
7900.00	0.00	0.00	7885.05	0.00	-259.94	-259.94	0.00	0.00	0.00	
8005.95	0.00	0.00	7991.00	0.00	-259.94	-259.94	0.00	0.00	0.00	KOP @ 12°/100'
8025.00	2.29	90.01	8010.05	0.00	-259.56	-259.56	12.00	12.00	0.00	
8050.00	5.29	90.01	8034.99	0.00	-257.91	-257.91	12.00	12.00	0.00	
8075.00	8.29	90.01	8059.81	0.00	-254.96	-254.96	12.00	12.00	0.00	
8100.00	11.29	90.01	8084.45	0.00	-250.71	-250.71	12.00	12.00	0.00	
8125.00	14.29	90.01	8108.82	0.00	-245.17	-245.17	12.00	12.00	0.00	
8150.00	17.29	90.01	8132.88	0.00	-238.37	-238.37	12.00	12.00	0.00	
8175.00	20.29	90.01	8156.54	0.00	-230.32	-230.32	12.00	12.00	0.00	
8200.00	23.29	90.01	8179.76	-0.01	-221.05	-221.05	12.00	12.00	0.00	
8225.00	26.29	90.01	8202.45	-0.01	-210.57	-210.57	12.00	12.00	0.00	
8250.00	29.29	90.01	8224.56	-0.01	-198.91	-198.91	12.00	12.00	0.00	
8275.00	32.29	90.01	8246.04	-0.01	-186.12	-186.12	12.00	12.00	0.00	
8300.00	35.29	90.01	8266.81	-0.01	-172.22	-172.22	12.00	12.00	0.00	
8325.00	38.29	90.01	8286.83	-0.01	-157.25	-157.25	12.00	12.00	0.00	
8350.00	41.29	90.01	8306.04	-0.02	-141.25	-141.25	12.00	12.00	0.00	
8375.00	44.29	90.01	8324.39	-0.02	-124.27	-124.27	12.00	12.00	0.00	
8400.00	47.29	90.01	8341.82	-0.02	-106.36	-106.36	12.00	12.00	0.00	
8425.00	50.29	90.01	8358.29	-0.02	-87.55	-87.55	12.00	12.00	0.00	
8442.14	52.34	90.01	8369.00	-0.03	-74.18	-74.18	12.00	12.00	0.00	Uteland Butte
8450.00	53.29	90.01	8373.75	-0.03	-67.91	-67.91	12.00	12.00	0.00	
8475.00	56.29	90.01	8388.17	-0.03	-47.49	-47.49	12.00	12.00	0.00	
8500.00	59.29	90.01	8401.49	-0.03	-26.34	-26.34	12.00	12.00	0.00	
8525.00	62.29	90.01	8413.69	-0.03	-4.52	-4.52	12.00	12.00	0.00	
8550.00	65.29	90.01	8424.73	-0.04	17.90	17.90	12.00	12.00	0.00	
8575.00	68.29	90.01	8434.59	-0.04	40.88	40.88	12.00	12.00	0.00	
8600.00	71.29	90.01	8443.22	-0.04	64.34	64.34	12.00	12.00	0.00	
8625.00	74.29	90.01	8450.62	-0.05	88.21	88.21	12.00	12.00	0.00	
8650.00	77.29	90.01	8456.76	-0.05	112.45	112.45	12.00	12.00	0.00	
8665.91	79.20	90.01	8460.00	-0.05	128.02	128.02	12.00	12.00	0.00	Uteland Butte Target
8675.00	80.29	90.01	8461.62	-0.05	136.97	136.97	12.00	12.00	0.00	
8700.00	83.29	90.01	8465.19	-0.06	161.71	161.71	12.00	12.00	0.00	
8725.00	86.29	90.01	8467.46	-0.06	186.60	186.60	12.00	12.00	0.00	
8732.16	87.15	90.01	8467.87	-0.06	193.75	193.75	12.00	12.00	0.00	Case2
8736.00	87.61	90.01	8468.05	-0.06	197.59	197.59	12.00	12.00	0.00	EOC Hold Inc & Azm
8800.00	87.61	90.01	8470.72	-0.07	261.53	261.53	0.00	0.00	0.00	
8900.00	87.61	90.01	8474.90	-0.08	361.44	361.44	0.00	0.00	0.00	
9000.00	87.61	90.01	8479.07	-0.10	461.35	461.35	0.00	0.00	0.00	
9100.00	87.61	90.01	8483.25	-0.11	561.27	561.27	0.00	0.00	0.00	
9200.00	87.61	90.01	8487.42	-0.12	661.18	661.18	0.00	0.00	0.00	
9300.00	87.61	90.01	8491.60	-0.14	761.09	761.09	0.00	0.00	0.00	
9400.00	87.61	90.01	8495.77	-0.15	861.00	861.00	0.00	0.00	0.00	
9500.00	87.61	90.01	8499.95	-0.17	960.92	960.92	0.00	0.00	0.00	
9600.00	87.61	90.01	8504.12	-0.18	1060.83	1060.83	0.00	0.00	0.00	
9700.00	87.61	90.01	8508.30	-0.19	1160.74	1160.74	0.00	0.00	0.00	

CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

Company:	EP Energy	**Date:** 9/28/2012	**Time:** 09:50:32	**Page:**	6
Field:	Duchesne Co, UT	**Co-ordinate(NE) Reference:**	Site: Duchesne City 3-30C4HZ, True North		
Site:	Duchesne City 3-30C4HZ	**Vertical (TVD) Reference:**	SITE 5815.0		
Well:	3-30C4HZ	**Section (VS) Reference:**	Well (0.00N,0.00E,90.01Azi)		
Wellpath:	OH	**Plan:**	Plan #3		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
9800.00	87.61	90.01	8512.47	-0.21	1260.66	1260.66	0.00	0.00	0.00	
9900.00	87.61	90.01	8516.65	-0.22	1360.57	1360.57	0.00	0.00	0.00	
10000.00	87.61	90.01	8520.82	-0.23	1460.48	1460.48	0.00	0.00	0.00	
10004.25	87.61	90.01	8521.00	-0.23	1464.73	1464.73	0.00	0.00	0.00	Base Uteland Butte
10100.00	87.61	90.01	8525.00	-0.25	1560.39	1560.39	0.00	0.00	0.00	
10200.00	87.61	90.01	8529.17	-0.26	1660.31	1660.31	0.00	0.00	0.00	
10300.00	87.61	90.01	8533.35	-0.27	1760.22	1760.22	0.00	0.00	0.00	
10400.00	87.61	90.01	8537.52	-0.29	1860.13	1860.13	0.00	0.00	0.00	
10500.00	87.61	90.01	8541.70	-0.30	1960.05	1960.05	0.00	0.00	0.00	
10600.00	87.61	90.01	8545.87	-0.31	2059.96	2059.96	0.00	0.00	0.00	
10700.00	87.61	90.01	8550.05	-0.33	2159.87	2159.87	0.00	0.00	0.00	
10800.00	87.61	90.01	8554.22	-0.34	2259.78	2259.78	0.00	0.00	0.00	
10900.00	87.61	90.01	8558.40	-0.35	2359.70	2359.70	0.00	0.00	0.00	
11000.00	87.61	90.01	8562.57	-0.37	2459.61	2459.61	0.00	0.00	0.00	
11100.00	87.61	90.01	8566.75	-0.38	2559.52	2559.52	0.00	0.00	0.00	
11200.00	87.61	90.01	8570.92	-0.40	2659.44	2659.44	0.00	0.00	0.00	
11300.00	87.61	90.01	8575.10	-0.41	2759.35	2759.35	0.00	0.00	0.00	
11400.00	87.61	90.01	8579.27	-0.42	2859.26	2859.26	0.00	0.00	0.00	
11500.00	87.61	90.01	8583.45	-0.44	2959.17	2959.17	0.00	0.00	0.00	
11600.00	87.61	90.01	8587.63	-0.45	3059.09	3059.09	0.00	0.00	0.00	
11700.00	87.61	90.01	8591.80	-0.46	3159.00	3159.00	0.00	0.00	0.00	
11800.00	87.61	90.01	8595.98	-0.48	3258.91	3258.91	0.00	0.00	0.00	
11900.00	87.61	90.01	8600.15	-0.49	3358.82	3358.82	0.00	0.00	0.00	
12000.00	87.61	90.01	8604.33	-0.50	3458.74	3458.74	0.00	0.00	0.00	
12100.00	87.61	90.01	8608.50	-0.52	3558.65	3558.65	0.00	0.00	0.00	
12200.00	87.61	90.01	8612.68	-0.53	3658.56	3658.56	0.00	0.00	0.00	
12300.00	87.61	90.01	8616.85	-0.54	3758.48	3758.48	0.00	0.00	0.00	
12400.00	87.61	90.01	8621.03	-0.56	3858.39	3858.39	0.00	0.00	0.00	
12500.00	87.61	90.01	8625.20	-0.57	3958.30	3958.30	0.00	0.00	0.00	
12601.75	87.61	90.01	8629.45	-0.58	4059.96	4059.96	0.00	0.00	0.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ----> Deg Min Sec	<--- Longitude ---> Deg Min Sec
PBHL			8629.45	-0.58	4059.96	7239664.68	1955425.82	40 11 21.348 N	110 22 20.620 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
8732.16	8467.87	0.000	0.000	Case2

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4224.66	4221.00	Green River GRNT1		0.00	0.00
5112.28	5102.00	Mahogany Bench		0.00	0.00
6172.95	6158.00	Lower Green River TGR3		0.00	0.00
8442.14	8369.00	Uteland Butte		0.00	0.00
8665.91	8460.00	Uteland Butte Target		0.00	0.00
10004.25	8521.00	Base Uteland Butte		0.00	0.00

CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

Company:	EP Energy	**Date:** 9/28/2012	**Time:** 09:50:32	**Page:**	7
Field:	Duchesne Co, UT	**Co-ordinate(NE) Reference:**	Site: Duchesne City 3-30C4HZ, True North		
Site:	Duchesne City 3-30C4HZ	**Vertical (TVD) Reference:**	SITE 5815.0		
Well:	3-30C4HZ	**Section (VS) Reference:**	Well (0.00N,0.00E,90.01Azi)		
Wellpath:	OH	**Plan:**	Plan #3		

Annotation

MD ft	TVD ft	
8005.95	7991.00	KOP @ 12°/100'
8736.00	8468.05	EOC Hold Inc & Azm

CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

AFFIDAVIT OF SURFACE DAMAGE AGREEMENT

Michael J. Walcher personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Michael J. Walcher. I am a Sr. Staff Landman for EP Energy E&P Company, L.P., whose address is 1001 Louisiana St., Houston, Texas 77002 ("EP Energy").
2. EP Energy is the operator of the proposed Duchesne City 3-30C4HZ well (the "Well") to be located in the NW/4 SW/4 of Section 30, Township 3 South, Range 4 West, USM, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Duchesne City, whose address is 500 East Main Street, Duchesne, Utah 84021 (the "Surface Owner"). The Surface Owner's telephone number is (435) 738-2464.
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated September 17, 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.

FURTHER AFFIANT SAYETH NOT.

Michael J. Walcher

CONFIDENTIAL
Returned Unapproved

ACKNOWLEDGMENT

STATE OF TEXAS §
§
CITY AND COUNTY OF HARRIS §

Before me, a Notary Public, in and for this state, on this 24th day of September, 2012, personally appeared Michael J. Walcher, to me known to be the identical person who executed the within and foregoing instrument, 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.

Ginger M. Cearley
NOTARY PUBLIC

My Commission Expires:

GINGER M CEARLEY
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
AUG. 2, 2014

Received: October 18, 2012

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 .04 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 .04 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 place 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.

CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

9. Surface Reclamation Plans:

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

- Seed will be planted after September 15th, and prior to ground frost, or seed will be planted after the frost has left and before May 15th. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.

    1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
    2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
    3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.

- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.

    1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
    2. Landowner will be contacted for rehabilitation requirements.

10. Surface Ownership:

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

Other Information:

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

- **Operator and Contact Persons:**

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

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

Drilling
EP Energy E&P Company, L.P.
Joe Cawthorn – Drilling Engineer
1001 Louisiana, Rm 2523B
Houston, Texas 77002
713-997-5929 – office
832-465-2882 – Cell

CONFIDENTIAL
Returned Unapproved

Received: October 18, 2012

EP ENERGY

October 9, 2012

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

Re: Horizontal Drilling
Duchesne City 3-30C4 HZ Well
Surface: 1,920' FSL & 263' FWL, NWSW, 30-T3S-R4W, USM
Bottom Hole: 1,866' FSL & 660' FEL, NESE, 30-T3S-R4W, USM
Duchesne County, Utah

Dear Mr. Hill:

Concurrently with the filing of EP Energy E&P Company, L.P.'s ("EPE") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, which pertain to the Location and Siting of Wells.

- The well is being drilled in Section 30-T3S-R4W, Duchesne County, Utah, which is subject to that Order, Docket No 2012-013, Cause No. 139-90, dated May 9, 2012 ("Spacing Order") that establishes 640 acre sectional drilling units for the Green River-Wasatch formations. The Spacing Order further provides drilling up to four (4) producing Lower Green River-Wasatch wells, whether all vertical, all horizontal, or a combination of both in each drilling unit. The locating and siting requirements set forth in Order 139-84 and incorporated into the Spacing Order provide that permitted wells shall be no closer than 1,320 feet from an existing unit well drilled to, completed in, and producing from the Spaced Intervals and no closer than 660 feet from the drilling unit boundary.
- EPE is permitting this well as a horizontal well with a surface location on the same drilling pad as the Duchesne City 2-30C4 Well in order to minimize surface disturbance. Drilling both wells from the same drilling pad will result in some portions the wellbores being less than 1,320 feet from each other.
- EPE certifies that unless first obtaining an exception to the locating and siting requirements of the Spacing Order it will not perforate any part of

CONFIDENTIAL
Returned Unapproved

Michael J. Walcher, CPL
EP Energy
1001 Louisiana Street Houston, Texas 77002
PO Box 4660 Houston, Texas 77210-4660
tel 713.997.5476
michael.walcher@epenergy.com

Received: October 18, 2012

the wellbore of the Duchesne City 2-30C4 Well in the same stratigraphically equivalent interval that is perforated in the Duchesne City 3-30C4 HZ Well.

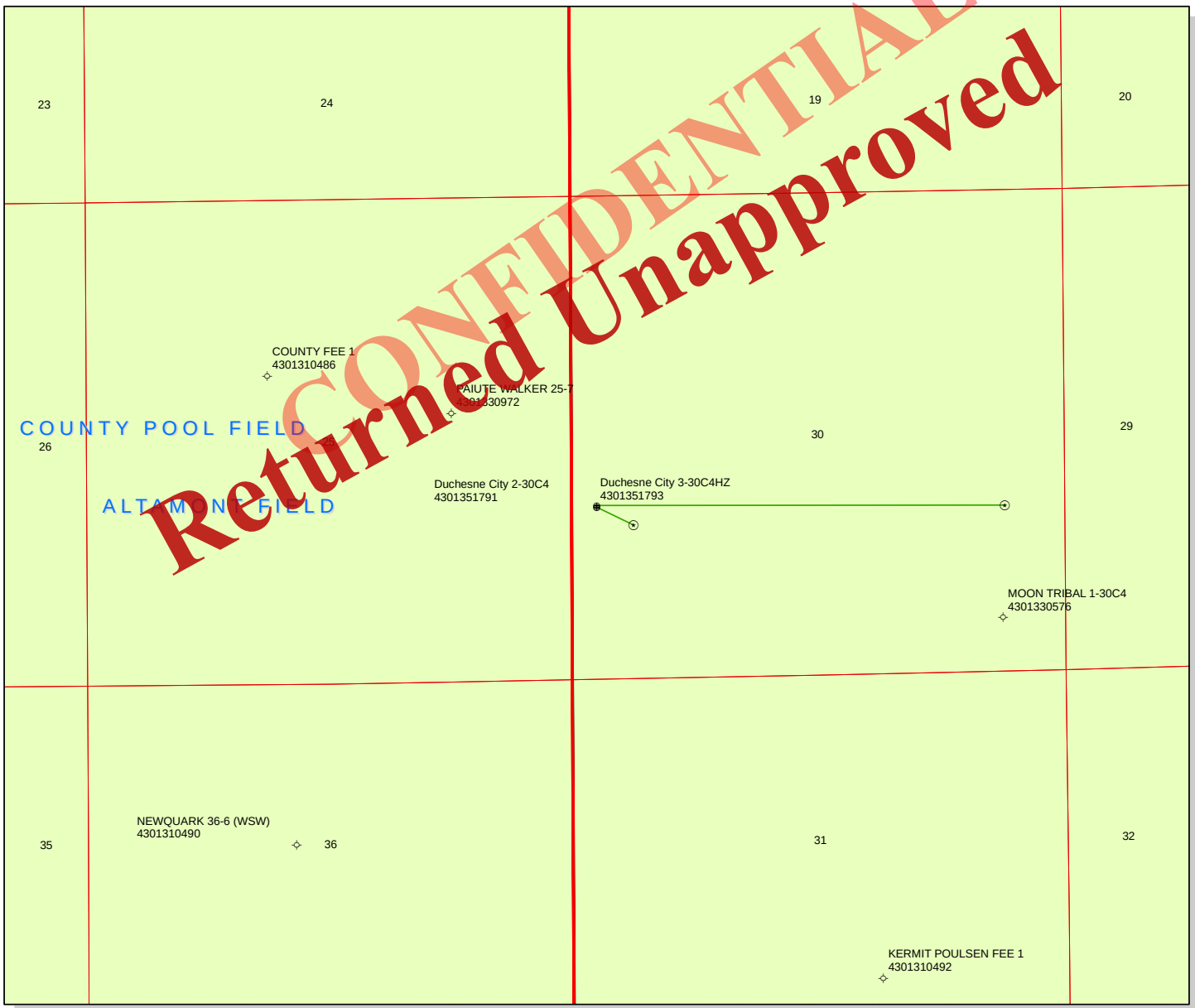
Regards,

Michael J. Walcher
Senior Staff Landman

CONFIDENTIAL
Returned Unapproved

Michael J. Walcher, CPL
EP Energy
1001 Louisiana Street Houston, Texas 77002
PO Box 4660 Houston, Texas 77210-4660
tel 713.997.5476
michael.walcher@epenergy.com

Received: October 18, 2012



CONFIDENTIAL
Returned Unapproved

API Number: 4301351793

Well Name: Duchesne City 3-30C4HZ

Township T03.0S Range R04.0W Section 30

Meridian: UBM

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

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields
STATUS
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

Wells Query
Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well
- Bottom Hole Location - OilGasDb

N

1,400 700 0 1,400 Feet

1:13,484

Received: October 19, 2012

Diana Mason <dianawhitney@utah.gov>

Fwd: Application For Permit to Drill Sent Back for Revisions

Dustin Doucet <dustindoucet@utah.gov> Thu, Apr 11, 2013 at 6:07 PM
To: Brad Hill <bradhill@utah.gov>, Diana Mason <dianawhitney@utah.gov>

FYI - this is one that was too close to a section line I've been holding onto.

-------- Forwarded message --------
From: **Gomez, Maria S** <Maria.Gomez@epenergy.com>
Date: Thu, Apr 11, 2013 at 5:35 PM
Subject: RE: Application For Permit to Drill Sent Back for Revisions
To: "hmacdonald@utah.gov" <hmacdonald@utah.gov>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>
Cc: "dustindoucet@utah.gov" <dustindoucet@utah.gov>

I need to cancel this application.

Thanks,

Maria S. Gomez

Principal Regulatory Analyst
maria.gomez@epenergy.com
713-997-5038 Office
832-683-0361 Cell

CONFIDENTIAL
Returned Unapproved

----Original Message----
From: hmacdonald@utah.gov [mailto:hmacdonald@utah.gov]
Sent: Monday, February 04, 2013 3:28 PM
To: Gomez, Maria S
Cc: hmacdonald@utah.gov; dustindoucet@utah.gov
Subject: Application For Permit to Drill Sent Back for Revisions

APD Number: 7012
Well Name: Duchesne City 3-30C4HZ
Operator: EP ENERGY E&P COMPANY, L.P.
Marie,

Your wellbore is closer than 660' to the drilling unit boundary. There wasn't an exception to the Board Order included in the APD. You did have a horizonatal letter addressing the 1320' setback from other wells but nothing on the 660' issue. I did see on the plat it mentioned first perf at 660' FWL, but I think you need to write up how you won't violate the Boards Order and specifically state you won't perf or complete anything closer than 660' if that's your plan. According to your dx survey plan the intermediate casing is set at 460' FWL, not sure if you wanted this 660' but in any case you need to make statement to address exception to the Board Order. Give me a call if you have questions.

Dustin

--
Dustin K. Doucet
Petroleum Engineer
Division of Oil, Gas and Mining
1594 West North Temple, Ste 1210
Salt Lake City, Utah 84116

Received: April 12, 2013

801.538.5281 (ofc)
801.359.3940 (fax)

web: www.ogm.utah.gov

CONFIDENTIAL
Returned Unapproved

Received: April 12, 2013

GARY R. HERBERT
Governor

GREGORY S. BELL
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

April 12, 2013

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 Duchesne City 3-30C4HZ well, API 43013517930000 that was submitted October 18, 2012 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

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING