

August 31, 2006

Fluid Minerals Group  
Bureau of Land Management  
Vernal Field Office  
170 South 500 East  
Vernal, Utah 84078

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.  
**RBU 20-14E**

*Surface Location:* 1,821' FNL & 532' FEL, SE/4 NE/4, Section 15  
*Target Location:* 1,100' FNL & 100' FWL, NW/4 NW/4, Section 14  
10S, R19E, SLB&M, Uintah County, Utah

Dear Fluid Minerals Group:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and three copies of the Application for Permit to Drill (APD) for the above referenced BLM administered directional 20-acre in-field well. The location of the surface and target location as well as all points along the intended well bore path are not within 460 feet of the unit boundary or any uncommitted tracts. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats, layouts and photos of the proposed well site;

Exhibit "B" - Proposed location maps with access and utility corridors;

Exhibit "C" - Production site layout;

Exhibit "D" - Drilling Plan;

Exhibit "E" - Surface Use Plan;

Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Dominion's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Carla Christian of Dominion at 405-749-5263 if you have any questions or need additional information.

Sincerely,

*Don Hamilton*  
Don Hamilton  
Agent for Dominion

cc: Diana Whitney, Division of Oil, Gas and Mining  
Carla Christian, Dominion  
Ken Secrest, Dominion

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DIV. OF OIL, GAS & MINING

FILE COPY

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. U-013792
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Dominion Exploration & Production, Inc.		7. If Unit or CA Agreement, Name and No. River Bend Unit
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134		8. Lease Name and Well No. RBU 20-14E
3b. Phone No. (include area code) 405-749-5263		9. API Well No. 43-047-38598
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 1,821' FNL & 532' FEL, SE/4 NE/4, Section 15, At proposed prod. zone 1,100' FNL & 100' FWL, NW/4 NW/4, Section 14,		10. Field and Pool, or Exploratory Natural Buttes
11. Sec., T. R. M. or Blk. and Survey or Area T10S, R19E, SLB&M		12. County or Parish Uintah
14. Distance in miles and direction from nearest town or post office* 10.55 miles southwest of Ouray, Utah		13. State UT
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 532'	16. No. of acres in lease 1,882.20 acres	17. Spacing Unit dedicated to this well 20 acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 19.94'	19. Proposed Depth 8,750' TVD (8,978' MD)	20. BLM/BIA Bond No. on file WY 3322
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,142' GR	22. Approximate date work will start* 03/01/2007	23. Estimated duration 14 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature <i>Don Hamilton</i>	Name (Printed/Typed) Don Hamilton	Date 08/31/2006
Title Agent for Dominion		
Applied by (Signature) <i>Bradley G. Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 09-25-06
Title Office	ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

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Federal Approval of this  
Action is Necessary

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surf

BHL

6058964

606077x

44227054

44229284

39.949745

39.951727

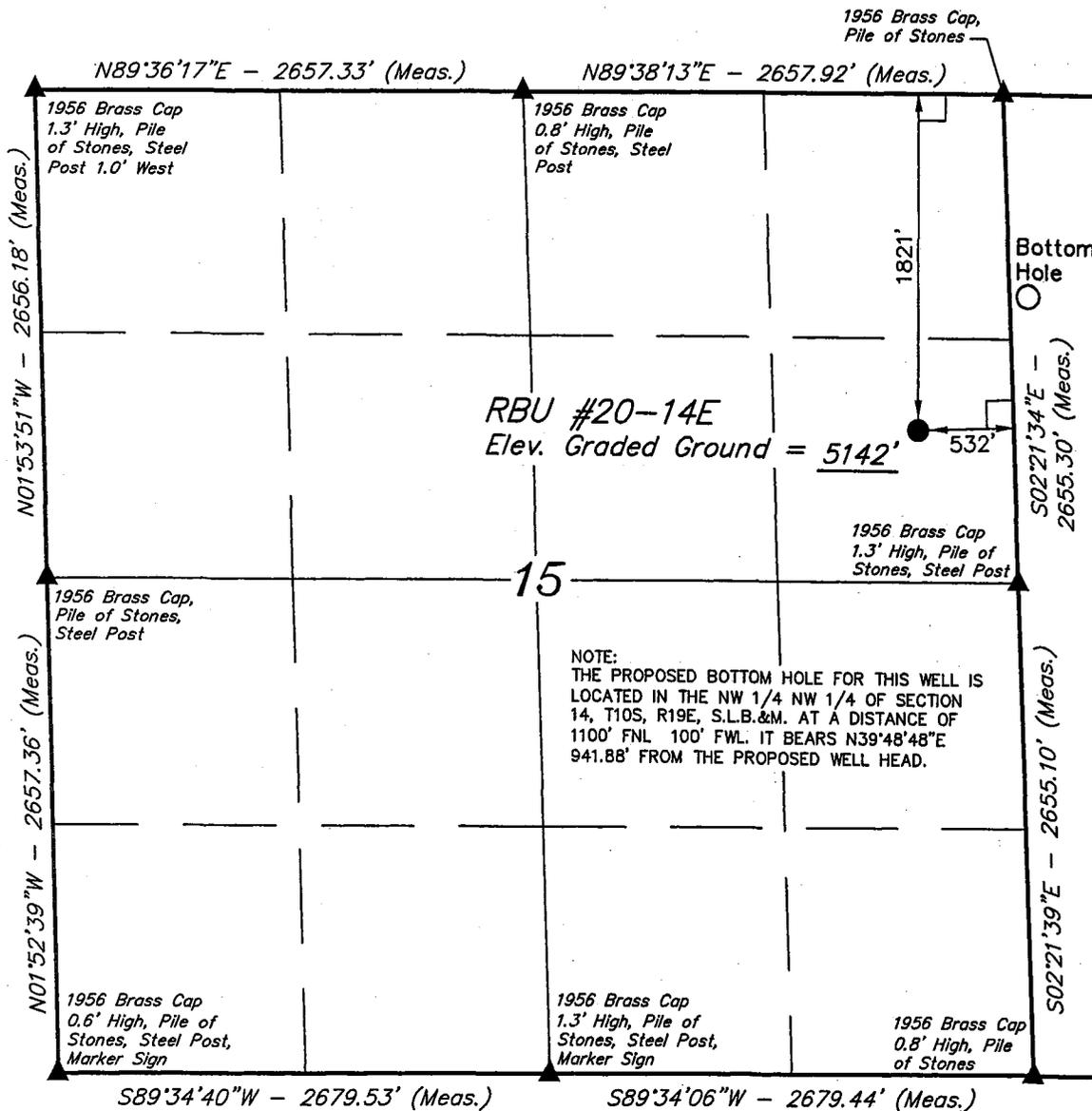
-109.760374

-109.758218

T10S, R19E, S.L.B.&M.

DOMINION EXPLR. & PROD., INC.

Well location, RBU #20-14E, located as shown in the SE 1/4 NE 1/4 of Section 15, T10S, R19E, S.L.B.&M., Uintah County, Utah.



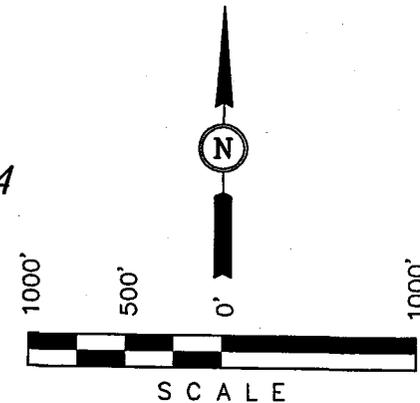
**BASIS OF ELEVATION**

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M., TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.

**BASIS OF BEARINGS**

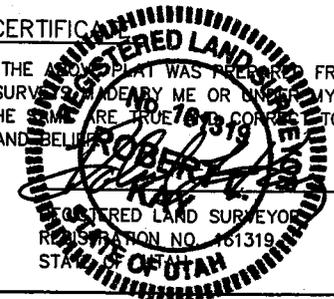
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

Sec. 14



**CERTIFICATION**

THIS IS TO CERTIFY THAT THE ABOVE IS A TRUE AND CORRECT COPY OF THE ORIGINAL SURVEY FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
 LATITUDE = 39°56'59.03" (39.949731)  
 LONGITUDE = 109°45'40.54" (109.761261)  
 (NAD 27)  
 LATITUDE = 39°56'59.16" (39.949767)  
 LONGITUDE = 109°45'38.03" (109.760564)

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 06-30-06	DATE DRAWN: 07-10-06
PARTY B.B. T.A. P.M.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE DOMINION EXPLR. & PROD., INC.	

# DRILLING PLAN

## APPROVAL OF OPERATIONS

### Attachment for Permit to Drill

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 20-14E  
SHL: 1821' FNL & 532' FEL Section 15-10S-19E  
BHL: 1100' FNL & 100' FWL Section 14-10S-19E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,250'
Uteland Limestone	4,620'
Wasatch	4,780'
Chapita Wells	5,710'
Uteland Buttes	6,960'
Mesaverde	7,850'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,250'	Oil
Uteland Limestone	4,620'	Oil
Wasatch	4,780'	Gas
Chapita Wells	5,710'	Gas
Uteland Buttes	6,960'	Gas
Mesaverde	7,850'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,325'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,750'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed.

The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

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## DRILLING PLAN

### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' - 500'	8.4	Air foam mist, no pressure control
500' - 3,325'	8.6	Fresh water, rotating head and diverter
3,325' - 8,750'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H<sub>2</sub>S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this well will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

##### a. Surface Cement:

- Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.

##### b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 3,325'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	390	0'-2,825'	10.5 ppg	4.14 CFS	923 CF	1,615 CF
Tail	254	2,825'-3,325'	15.6 ppg	1.2 CFS	174 CF	305 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 4.14 cf/sack      Slurry weight: 10.5 #/gal.  
Water requirement: 26.07 gal/sack  
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.  
Slurry yield: 1.20 cf/sack      Slurry weight: 15.6 #/gal.  
Pump Time: 1 hr. 5 min. @ 110 °F.  
Compressives @ 110 °F: 2,500 psi after 24 hours

##### c. Production Casing Cement:

- Drill 7-7/8" hole to 8,750'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	90	3,980'-4,780'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	790	4,780'-8,750'	13.0 ppg	1.75 CFS	688 CF	1376 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.12 cf/sack      Slurry weight: 11.60 #/gal.  
Water requirement: 17.71 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
Slurry yield: 1.75 cf/sack      Slurry weight: 13.00 #/gal.  
Water requirement: 9.09 gal/sack  
Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: March 1, 2007  
Duration: 14 Days

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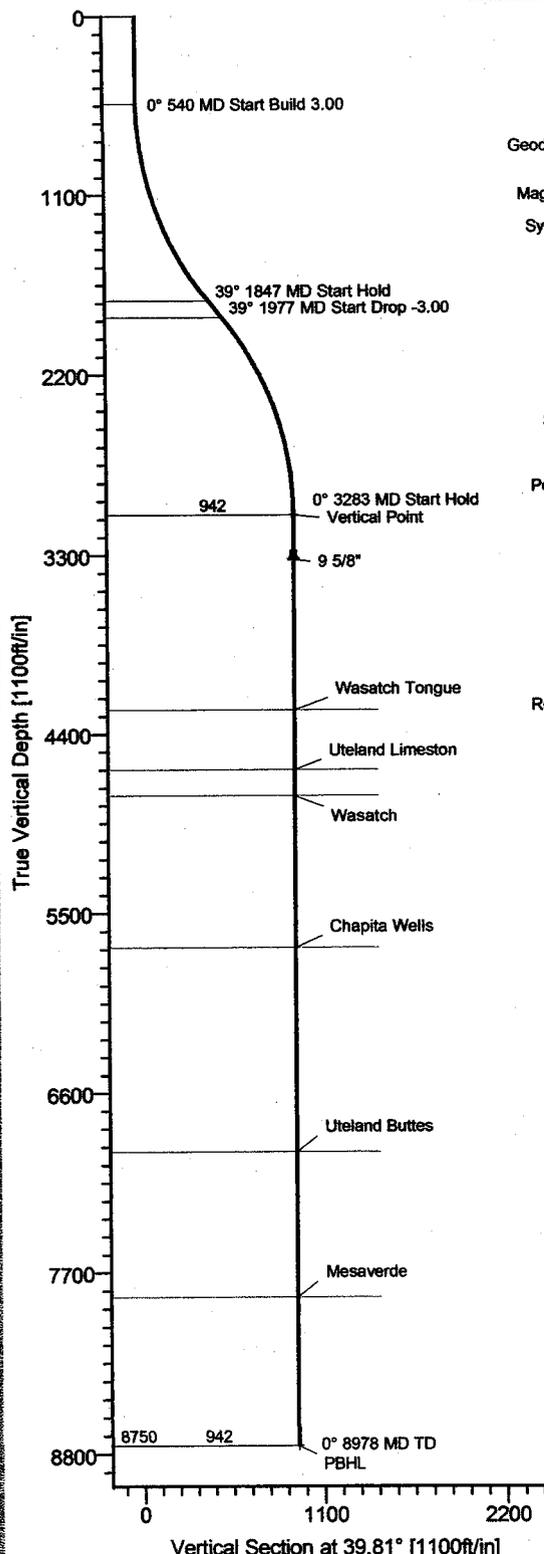
### Dominion Exploration & Production

Field: Uintah County, Utah  
 Site: RBU #20-14E  
 Well: RBU #20-14E  
 Wellpath: Original Hole  
 Plan: Plan #1



Azimuths to Grid North  
 True North: -1.54°  
 Magnetic North: 9.97°

Magnetic Field  
 Strength: 52896nT  
 Dip Angle: 66.03°  
 Date: 8/24/2006  
 Model: igr2005



#### FIELD DETAILS

Uintah County, Utah  
 Utah - Natural Buttes  
 USA

Geodetic System: US State Plane Coordinate System 1983  
 Ellipsoid: GRS 1980  
 Zone: Utah, Central Zone  
 Magnetic Model: igr2005  
 System Datum: Mean Sea Level  
 Local North: Grid North

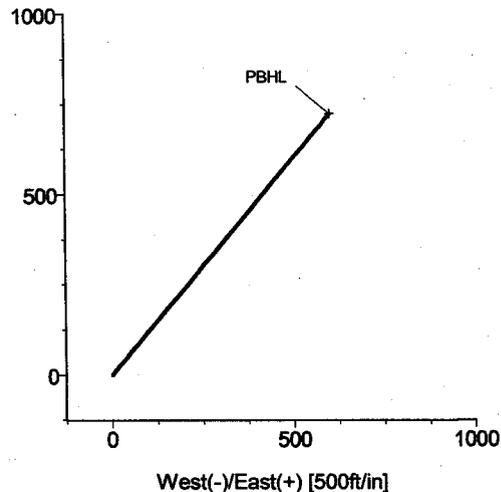
#### SITE DETAILS

RBU #20-14E  
 Uintah/Utah  
 Section 15: 10S- 19E  
 Site Centre Latitude: 39°56'59.030N  
 Longitude: 109°05'40.540W  
 Ground Level: 5142.00  
 Positional Uncertainty: 0.00  
 Convergence: 1.54

#### WELLPATH DETAILS

Original Hole

Rig Ref. Datum:	SITE	5160.00ft	
V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
39.81°	0.00	0.00	0.00



#### WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
RBU #20-14E	0.00	0.00	7159494.24	2314672.71	39°56'59.030N	109°05'40.540W	N/A

#### TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Vertical Point	3055.00	723.49	603.07	Point
PBHL	8750.00	723.49	603.07	Point

#### FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	4250.00	4478.44	Wasatch Tongue
2	4620.00	4848.44	Uteland Limestone
3	4780.00	5008.44	Wasatch
4	5710.00	5938.44	Chapita Wells
5	6960.00	7188.44	Uteland Buttes
6	7850.00	8078.44	Mesaverde

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	39.81	0.00	0.00	0.00	0.00	0.00	0.00	
2	540.00	0.00	39.81	540.00	0.00	0.00	0.00	39.81	0.00	
3	1846.67	39.20	39.81	1747.09	330.16	275.21	3.00	39.81	429.82	
4	1976.77	39.20	39.81	1847.91	393.33	327.86	0.00	0.00	512.05	
5	3283.43	0.00	39.81	3055.00	723.49	603.07	3.00	180.00	941.88	
6	3283.44	0.00	39.81	3055.00	723.49	603.07	0.00	0.00	941.88	Vertical Point
7	8978.44	0.00	39.81	8750.00	723.49	603.07	0.00	39.81	941.88	PBHL

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



Plan: Plan #1 (RBU #20-14E/Original Hole)  
 Created By: Charlotte Sims Date: 8/24/2006  
 Checked: \_\_\_\_\_ Date: \_\_\_\_\_  
 Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_  
 Approved: \_\_\_\_\_ Date: \_\_\_\_\_

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# Ryan Energy Technologies

## Planning Report



<b>Company:</b> Dominion Exploration & Product <b>Field:</b> Uintah County, Utah <b>Site:</b> RBU #20-14E <b>Well:</b> RBU #20-14E <b>Wellpath:</b> Original Hole	<b>Date:</b> 8/24/2006 <b>Co-ordinate(NE) Reference:</b> Well: RBU #20-14E, Grid North <b>Vertical (TVD) Reference:</b> SITE 5160.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,39.81Azi) <b>Plan:</b> Plan #1
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<b>Field:</b> Uintah County, Utah Utah - Natural Buttes USA <b>Map System:</b> US State Plane Coordinate System 1983 <b>Geo Datum:</b> GRS 1980 <b>Sys Datum:</b> Mean Sea Level	<b>Map Zone:</b> Utah, Central Zone <b>Coordinate System:</b> Well Centre <b>Geomagnetic Model:</b> igrf2005
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<b>Site:</b> RBU #20-14E Uintah/Utah Section 15: 10S- 19E <b>Site Position:</b> <b>From:</b> Geographic <b>Position Uncertainty:</b> 0.00 ft <b>Ground Level:</b> 5142.00 ft	<b>Northing:</b> 7159494.24 ft <b>Easting:</b> 2314672.71 ft <b>Latitude:</b> 39 56 59.030 N <b>Longitude:</b> 109 5 40.540 W <b>North Reference:</b> Grid <b>Grid Convergence:</b> 1.541 deg
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<b>Well:</b> RBU #20-14E <b>Well Position:</b> +N/-S 0.00 ft <b>Position Uncertainty:</b> 0.00 ft	<b>Slot Name:</b> <b>Well Position:</b> +N/-S 0.00 ft <b>Position Uncertainty:</b> 0.00 ft
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<b>Wellpath:</b> Original Hole <b>Current Datum:</b> SITE <b>Magnetic Data:</b> 8/24/2006 <b>Field Strength:</b> 52896 nT <b>Vertical Section:</b> Depth From (TVD) ft	<b>Drilled From:</b> Surface <b>Tie-on Depth:</b> 0.00 ft <b>Above System Datum:</b> Mean Sea Level <b>Declination:</b> 11.506 deg <b>Mag Dip Angle:</b> 66.035 deg <b>+E/-W</b> Direction deg
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0.00	0.00	0.00	39.81
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<b>Plan:</b> Plan #1 <b>Principal:</b> Yes	<b>Date Composed:</b> 8/24/2006 <b>Version:</b> 1 <b>Tied-to:</b> From Surface
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**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	39.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
100.00	0.00	39.81	100.00	0.00	0.00	0.00	0.00	0.00	0.00	39.813
200.00	0.00	39.81	200.00	0.00	0.00	0.00	0.00	0.00	0.00	39.813
300.00	0.00	39.81	300.00	0.00	0.00	0.00	0.00	0.00	0.00	39.813
400.00	0.00	39.81	400.00	0.00	0.00	0.00	0.00	0.00	0.00	39.813
500.00	0.00	39.81	500.00	0.00	0.00	0.00	0.00	0.00	0.00	39.813
540.00	0.00	39.81	540.00	0.00	0.00	0.00	0.00	0.00	0.00	39.813

**Section 2 : Start Build 3.00**

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
600.00	1.80	39.81	599.99	0.72	0.60	0.94	3.00	3.00	0.00	0.000
700.00	4.80	39.81	699.81	5.15	4.29	6.70	3.00	3.00	0.00	0.000
800.00	7.80	39.81	799.20	13.57	11.31	17.67	3.00	3.00	0.00	0.000
900.00	10.80	39.81	897.87	25.99	21.66	33.83	3.00	3.00	0.00	0.000
1000.00	13.80	39.81	995.57	42.35	35.30	55.13	3.00	3.00	0.00	0.000
1100.00	16.80	39.81	1092.01	62.61	52.19	81.51	3.00	3.00	0.00	0.000
1200.00	19.80	39.81	1186.94	86.73	72.29	112.91	3.00	3.00	0.00	0.000
1300.00	22.80	39.81	1280.10	114.63	95.55	149.23	3.00	3.00	0.00	0.000
1400.00	25.80	39.81	1371.23	146.24	121.90	190.38	3.00	3.00	0.00	0.000
1500.00	28.80	39.81	1460.08	181.46	151.26	236.24	3.00	3.00	0.00	0.000
1600.00	31.80	39.81	1546.41	220.21	183.56	286.68	3.00	3.00	0.00	0.000
1700.00	34.80	39.81	1629.98	262.38	218.71	341.58	3.00	3.00	0.00	0.000
1800.00	37.80	39.81	1710.57	307.85	256.61	400.77	3.00	3.00	0.00	0.000
1846.67	39.20	39.81	1747.09	330.16	275.21	429.82	3.00	3.00	0.00	0.000



# Ryan Energy Technologies

## Planning Report



Company: Dominion Exploration & Product  
 Field: Uintah County, Utah  
 Site: RBU #20-14E  
 Well: RBU #20-14E  
 Wellpath: Original Hole

Date: 8/24/2006 Time: 14:42:57 Page: 2  
 Co-ordinate(NE) Reference: Well: RBU #20-14E, Grid North  
 Vertical (TVD) Reference: SITE 5160.0  
 Section (VS) Reference: Well (0.00N,0.00E,39.81Azi)  
 Plan: Plan #1

**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
1900.00	39.20	39.81	1788.42	356.06	296.79	463.53	0.00	0.00	0.00	180.000
1976.77	39.20	39.81	1847.91	393.33	327.86	512.05	0.00	0.00	0.00	180.000

**Section 4 : Start Drop -3.00**

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
2000.00	38.50	39.81	1866.00	404.52	337.19	526.63	3.00	-3.00	0.00	180.000
2100.00	35.50	39.81	1945.85	450.75	375.72	586.80	3.00	-3.00	0.00	180.000
2200.00	32.50	39.81	2028.74	493.70	411.53	642.72	3.00	-3.00	0.00	180.000
2300.00	29.50	39.81	2114.45	533.26	444.50	694.22	3.00	-3.00	0.00	180.000
2400.00	26.50	39.81	2202.73	569.32	474.56	741.17	3.00	-3.00	0.00	-180.000
2500.00	23.50	39.81	2293.35	601.78	501.62	783.43	3.00	-3.00	0.00	-180.000
2600.00	20.50	39.81	2386.05	630.56	525.61	820.89	3.00	-3.00	0.00	180.000
2700.00	17.50	39.81	2480.59	655.57	546.45	853.45	3.00	-3.00	0.00	180.000
2800.00	14.50	39.81	2576.71	676.74	564.10	881.02	3.00	-3.00	0.00	180.000
2900.00	11.50	39.81	2674.13	694.02	578.51	903.52	3.00	-3.00	0.00	180.000
3000.00	8.50	39.81	2772.60	707.36	589.63	920.88	3.00	-3.00	0.00	-180.000
3100.00	5.50	39.81	2871.84	716.73	597.43	933.07	3.00	-3.00	0.00	180.000
3200.00	2.50	39.81	2971.59	722.09	601.90	940.05	3.00	-3.00	0.00	180.000
3283.43	0.00	39.81	3055.00	723.49	603.07	941.88	3.00	-3.00	0.00	-180.000

**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
3283.44	0.00	39.81	3055.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813

**Section 6 : 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
3300.00	0.00	39.81	3071.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3400.00	0.00	39.81	3171.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3500.00	0.00	39.81	3271.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3553.44	0.00	39.81	3325.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3600.00	0.00	39.81	3371.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3700.00	0.00	39.81	3471.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3800.00	0.00	39.81	3571.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3900.00	0.00	39.81	3671.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4000.00	0.00	39.81	3771.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4100.00	0.00	39.81	3871.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4200.00	0.00	39.81	3971.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4300.00	0.00	39.81	4071.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4400.00	0.00	39.81	4171.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4478.44	0.00	39.81	4250.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4500.00	0.00	39.81	4271.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4600.00	0.00	39.81	4371.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4700.00	0.00	39.81	4471.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4800.00	0.00	39.81	4571.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4848.44	0.00	39.81	4620.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4900.00	0.00	39.81	4671.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5000.00	0.00	39.81	4771.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5008.44	0.00	39.81	4780.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5100.00	0.00	39.81	4871.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5200.00	0.00	39.81	4971.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5300.00	0.00	39.81	5071.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5400.00	0.00	39.81	5171.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5500.00	0.00	39.81	5271.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5600.00	0.00	39.81	5371.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5700.00	0.00	39.81	5471.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5800.00	0.00	39.81	5571.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5900.00	0.00	39.81	5671.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5938.44	0.00	39.81	5710.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813



# Ryan Energy Technologies Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU #20-14E  
**Well:** RBU #20-14E  
**Wellpath:** Original Hole

**Date:** 8/24/2006      **Time:** 14:42:57      **Page:** 3  
**Co-ordinate(NE) Reference:** Well: RBU #20-14E, Grid North  
**Vertical (TVD) Reference:** SITE 5160.0  
**Section (VS) Reference:** Well (0.00N,0.00E,39.81Azi)  
**Plan:** Plan #1

**Section 6 : 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
6000.00	0.00	39.81	5771.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6100.00	0.00	39.81	5871.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6200.00	0.00	39.81	5971.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6300.00	0.00	39.81	6071.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6400.00	0.00	39.81	6171.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6500.00	0.00	39.81	6271.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6600.00	0.00	39.81	6371.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6700.00	0.00	39.81	6471.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6800.00	0.00	39.81	6571.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6900.00	0.00	39.81	6671.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7000.00	0.00	39.81	6771.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7100.00	0.00	39.81	6871.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7188.44	0.00	39.81	6960.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7200.00	0.00	39.81	6971.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7300.00	0.00	39.81	7071.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7400.00	0.00	39.81	7171.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7500.00	0.00	39.81	7271.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7600.00	0.00	39.81	7371.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7700.00	0.00	39.81	7471.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7800.00	0.00	39.81	7571.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7900.00	0.00	39.81	7671.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8000.00	0.00	39.81	7771.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8078.44	0.00	39.81	7850.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8100.00	0.00	39.81	7871.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8200.00	0.00	39.81	7971.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8300.00	0.00	39.81	8071.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8400.00	0.00	39.81	8171.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8500.00	0.00	39.81	8271.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8600.00	0.00	39.81	8371.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8700.00	0.00	39.81	8471.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8800.00	0.00	39.81	8571.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8900.00	0.00	39.81	8671.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8978.44	0.00	39.81	8750.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813

**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
0.00	0.00	39.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	39.81	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	39.81	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	39.81	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	39.81	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	39.81	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
540.00	0.00	39.81	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	1.80	39.81	599.99	0.72	0.60	0.94	3.00	3.00	0.00	
700.00	4.80	39.81	699.81	5.15	4.29	6.70	3.00	3.00	0.00	
800.00	7.80	39.81	799.20	13.57	11.31	17.67	3.00	3.00	0.00	
900.00	10.80	39.81	897.87	25.99	21.66	33.83	3.00	3.00	0.00	
1000.00	13.80	39.81	995.57	42.35	35.30	55.13	3.00	3.00	0.00	
1100.00	16.80	39.81	1092.01	62.61	52.19	81.51	3.00	3.00	0.00	
1200.00	19.80	39.81	1186.94	86.73	72.29	112.91	3.00	3.00	0.00	
1300.00	22.80	39.81	1280.10	114.63	95.55	149.23	3.00	3.00	0.00	
1400.00	25.80	39.81	1371.23	146.24	121.90	190.38	3.00	3.00	0.00	
1500.00	28.80	39.81	1460.08	181.46	151.26	236.24	3.00	3.00	0.00	
1600.00	31.80	39.81	1546.41	220.21	183.56	286.68	3.00	3.00	0.00	
1700.00	34.80	39.81	1629.98	262.38	218.71	341.58	3.00	3.00	0.00	
1800.00	37.80	39.81	1710.57	307.85	256.61	400.77	3.00	3.00	0.00	
1846.67	39.20	39.81	1747.09	330.16	275.21	429.82	3.00	3.00	0.00	
1900.00	39.20	39.81	1788.42	356.06	296.79	463.53	0.00	0.00	0.00	



# Ryan Energy Technologies Planning Report



<b>Company:</b> Dominion Exploration & Product	<b>Date:</b> 8/24/2006	<b>Time:</b> 14:42:57	<b>Page:</b> 4
<b>Field:</b> Uintah County, Utah	<b>Co-ordinate(NE) Reference:</b> Well: RBU #20-14E, Grid North		
<b>Site:</b> RBU #20-14E	<b>Vertical (TVD) Reference:</b> SITE 5160.0		
<b>Well:</b> RBU #20-14E	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,39.81Azi)		
<b>Wellpath:</b> Original Hole	<b>Plan:</b> Plan #1		

**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
1976.77	39.20	39.81	1847.91	393.33	327.86	512.05	0.00	0.00	0.00	
2000.00	38.50	39.81	1866.00	404.52	337.19	526.63	3.00	-3.00	0.00	
2100.00	35.50	39.81	1945.85	450.75	375.72	586.80	3.00	-3.00	0.00	
2200.00	32.50	39.81	2028.74	493.70	411.53	642.72	3.00	-3.00	0.00	
2300.00	29.50	39.81	2114.45	533.26	444.50	694.22	3.00	-3.00	0.00	
2400.00	26.50	39.81	2202.73	569.32	474.56	741.17	3.00	-3.00	0.00	
2500.00	23.50	39.81	2293.35	601.78	501.62	783.43	3.00	-3.00	0.00	
2600.00	20.50	39.81	2386.05	630.56	525.61	820.89	3.00	-3.00	0.00	
2700.00	17.50	39.81	2480.59	655.57	546.45	853.45	3.00	-3.00	0.00	
2800.00	14.50	39.81	2576.71	676.74	564.10	881.02	3.00	-3.00	0.00	
2900.00	11.50	39.81	2674.13	694.02	578.51	903.52	3.00	-3.00	0.00	
3000.00	8.50	39.81	2772.60	707.36	589.63	920.88	3.00	-3.00	0.00	
3100.00	5.50	39.81	2871.84	716.73	597.43	933.07	3.00	-3.00	0.00	
3200.00	2.50	39.81	2971.59	722.09	601.90	940.05	3.00	-3.00	0.00	
3283.43	0.00	39.81	3055.00	723.49	603.07	941.88	3.00	-3.00	0.00	Vertical Point
3283.44	0.00	39.81	3055.00	723.49	603.07	941.88	0.00	0.00	0.00	
3300.00	0.00	39.81	3071.56	723.49	603.07	941.88	0.00	0.00	0.00	
3400.00	0.00	39.81	3171.56	723.49	603.07	941.88	0.00	0.00	0.00	
3500.00	0.00	39.81	3271.56	723.49	603.07	941.88	0.00	0.00	0.00	
3553.44	0.00	39.81	3325.00	723.49	603.07	941.88	0.00	0.00	0.00	9 5/8"
3600.00	0.00	39.81	3371.56	723.49	603.07	941.88	0.00	0.00	0.00	
3700.00	0.00	39.81	3471.56	723.49	603.07	941.88	0.00	0.00	0.00	
3800.00	0.00	39.81	3571.56	723.49	603.07	941.88	0.00	0.00	0.00	
3900.00	0.00	39.81	3671.56	723.49	603.07	941.88	0.00	0.00	0.00	
4000.00	0.00	39.81	3771.56	723.49	603.07	941.88	0.00	0.00	0.00	
4100.00	0.00	39.81	3871.56	723.49	603.07	941.88	0.00	0.00	0.00	
4200.00	0.00	39.81	3971.56	723.49	603.07	941.88	0.00	0.00	0.00	
4300.00	0.00	39.81	4071.56	723.49	603.07	941.88	0.00	0.00	0.00	
4400.00	0.00	39.81	4171.56	723.49	603.07	941.88	0.00	0.00	0.00	
4478.44	0.00	39.81	4250.00	723.49	603.07	941.88	0.00	0.00	0.00	Wasatch Tongue
4500.00	0.00	39.81	4271.56	723.49	603.07	941.88	0.00	0.00	0.00	
4600.00	0.00	39.81	4371.56	723.49	603.07	941.88	0.00	0.00	0.00	
4700.00	0.00	39.81	4471.56	723.49	603.07	941.88	0.00	0.00	0.00	
4800.00	0.00	39.81	4571.56	723.49	603.07	941.88	0.00	0.00	0.00	
4848.44	0.00	39.81	4620.00	723.49	603.07	941.88	0.00	0.00	0.00	Uteland Limeston
4900.00	0.00	39.81	4671.56	723.49	603.07	941.88	0.00	0.00	0.00	
5000.00	0.00	39.81	4771.56	723.49	603.07	941.88	0.00	0.00	0.00	
5008.44	0.00	39.81	4780.00	723.49	603.07	941.88	0.00	0.00	0.00	Wasatch
5100.00	0.00	39.81	4871.56	723.49	603.07	941.88	0.00	0.00	0.00	
5200.00	0.00	39.81	4971.56	723.49	603.07	941.88	0.00	0.00	0.00	
5300.00	0.00	39.81	5071.56	723.49	603.07	941.88	0.00	0.00	0.00	
5400.00	0.00	39.81	5171.56	723.49	603.07	941.88	0.00	0.00	0.00	
5500.00	0.00	39.81	5271.56	723.49	603.07	941.88	0.00	0.00	0.00	
5600.00	0.00	39.81	5371.56	723.49	603.07	941.88	0.00	0.00	0.00	
5700.00	0.00	39.81	5471.56	723.49	603.07	941.88	0.00	0.00	0.00	
5800.00	0.00	39.81	5571.56	723.49	603.07	941.88	0.00	0.00	0.00	
5900.00	0.00	39.81	5671.56	723.49	603.07	941.88	0.00	0.00	0.00	
5938.44	0.00	39.81	5710.00	723.49	603.07	941.88	0.00	0.00	0.00	Chapita Wells
6000.00	0.00	39.81	5771.56	723.49	603.07	941.88	0.00	0.00	0.00	
6100.00	0.00	39.81	5871.56	723.49	603.07	941.88	0.00	0.00	0.00	
6200.00	0.00	39.81	5971.56	723.49	603.07	941.88	0.00	0.00	0.00	
6300.00	0.00	39.81	6071.56	723.49	603.07	941.88	0.00	0.00	0.00	
6400.00	0.00	39.81	6171.56	723.49	603.07	941.88	0.00	0.00	0.00	



# Ryan Energy Technologies Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU #20-14E  
**Well:** RBU #20-14E  
**Wellpath:** Original Hole

**Date:** 8/24/2006      **Time:** 14:42:57  
**Co-ordinate(NE) Reference:** Well: RBU #20-14E, Grid North  
**Vertical (TVD) Reference:** SITE 5160.0  
**Section (VS) Reference:** Well (0.00N,0.00E,39.81Azi)  
**Plan:** Plan #1

**Page:** 5

**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
6500.00	0.00	39.81	6271.56	723.49	603.07	941.88	0.00	0.00	0.00	
6600.00	0.00	39.81	6371.56	723.49	603.07	941.88	0.00	0.00	0.00	
6700.00	0.00	39.81	6471.56	723.49	603.07	941.88	0.00	0.00	0.00	
6800.00	0.00	39.81	6571.56	723.49	603.07	941.88	0.00	0.00	0.00	
6900.00	0.00	39.81	6671.56	723.49	603.07	941.88	0.00	0.00	0.00	
7000.00	0.00	39.81	6771.56	723.49	603.07	941.88	0.00	0.00	0.00	
7100.00	0.00	39.81	6871.56	723.49	603.07	941.88	0.00	0.00	0.00	
7188.44	0.00	39.81	6960.00	723.49	603.07	941.88	0.00	0.00	0.00	Uteland Buttes
7200.00	0.00	39.81	6971.56	723.49	603.07	941.88	0.00	0.00	0.00	
7300.00	0.00	39.81	7071.56	723.49	603.07	941.88	0.00	0.00	0.00	
7400.00	0.00	39.81	7171.56	723.49	603.07	941.88	0.00	0.00	0.00	
7500.00	0.00	39.81	7271.56	723.49	603.07	941.88	0.00	0.00	0.00	
7600.00	0.00	39.81	7371.56	723.49	603.07	941.88	0.00	0.00	0.00	
7700.00	0.00	39.81	7471.56	723.49	603.07	941.88	0.00	0.00	0.00	
7800.00	0.00	39.81	7571.56	723.49	603.07	941.88	0.00	0.00	0.00	
7900.00	0.00	39.81	7671.56	723.49	603.07	941.88	0.00	0.00	0.00	
8000.00	0.00	39.81	7771.56	723.49	603.07	941.88	0.00	0.00	0.00	
8078.44	0.00	39.81	7850.00	723.49	603.07	941.88	0.00	0.00	0.00	Mesaverde
8100.00	0.00	39.81	7871.56	723.49	603.07	941.88	0.00	0.00	0.00	
8200.00	0.00	39.81	7971.56	723.49	603.07	941.88	0.00	0.00	0.00	
8300.00	0.00	39.81	8071.56	723.49	603.07	941.88	0.00	0.00	0.00	
8400.00	0.00	39.81	8171.56	723.49	603.07	941.88	0.00	0.00	0.00	
8500.00	0.00	39.81	8271.56	723.49	603.07	941.88	0.00	0.00	0.00	
8600.00	0.00	39.81	8371.56	723.49	603.07	941.88	0.00	0.00	0.00	
8700.00	0.00	39.81	8471.56	723.49	603.07	941.88	0.00	0.00	0.00	
8800.00	0.00	39.81	8571.56	723.49	603.07	941.88	0.00	0.00	0.00	
8900.00	0.00	39.81	8671.56	723.49	603.07	941.88	0.00	0.00	0.00	
8978.44	0.00	39.81	8750.00	723.49	603.07	941.88	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
Vertical Point			3055.00	723.49	603.07	7160217.732315275.78		39 57 6.018 N	109 5 32.548 W
-Plan hit target									
PBHL			8750.00	723.49	603.07	7160217.732315275.78		39 57 6.018 N	109 5 32.548 W
-Plan hit target									

**Casing Points**

MD ft	TVD ft	Diameter in	Hole Size in	Name
3553.44	3325.00	9.625	12.250	9 5/8"

**Formations**

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4478.44	4250.00	Wasatch Tongue		0.00	0.00
4848.44	4620.00	Uteland Limeston		0.00	0.00
5008.44	4780.00	Wasatch		0.00	0.00
5938.44	5710.00	Chapita Wells		0.00	0.00
7188.44	6960.00	Uteland Buttes		0.00	0.00
8078.44	7850.00	Mesaverde		0.00	0.00



# Ryan Energy Technologies Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU #20-14E  
**Well:** RBU #20-14E  
**Wellpath:** Original Hole

**Date:** 8/24/2006      **Time:** 14:42:57      **Page:** 6  
**Co-ordinate(NE) Reference:** Well: RBU #20-14E, Grid North  
**Vertical (TVD) Reference:** SITE 5160.0  
**Section (VS) Reference:** Well (0.00N,0.00E,39.81Azi)  
**Plan:** Plan #1

### Annotation

MD	TVD
ft	ft

## SURFACE USE PLAN

### CONDITIONS OF APPROVAL

#### *Attachment for Permit to Drill*

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 20-14E  
SHL: 1821' FNL & 532' FEL Section 15-10S-19E  
BHL: 1100' FNL & 100' FWL Section 14-10S-19E  
Uintah County, UT

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

The BLM onsite inspection for the referenced well was conducted on Wednesday, August 9, 2006 at approximately 9:30 am. In attendance at the onsite inspection were the following individuals:

Karl Wright	Nat. Res. Prot. Spec.	Bureau of Land Management – Vernal
Brandon McDonald	Wildlife Biologist	Bureau of Land Management – Vernal
Ken Secrest	Field Foreman	Dominion E & P, Inc.
Brandon Bowthorpe	Surveyor	Uintah Engineering & Land Surveying
Billy McClure	Foreman	LaRose Construction
Randy Jackson	Foreman	Jackson Construction
Don Hamilton	Agent	Buys & Associates, Inc.

1. Existing Roads:

- a. No upgrades to existing roads and no new roads are proposed at this time since access will utilize the existing road to the existing well site.
- b. The proposed well site is located approximately 10.55 miles southwest of Ouray, UT.
- c. Directions to the proposed well site have been attached at the end of Exhibit B.
- d. The use of roads under State and County Road Department maintenance are necessary to access the River Bend Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.
- e. All existing roads will be maintained and kept in good repair during all phases of operation.
- e. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.
- f. Since no improvements are anticipated to any State, County, Tribal or BLM access roads no topsoil striping will occur.
- g. An off-lease federal right-of-way is not anticipated for the access road or utility corridor since both are located within the existing River Bend Unit boundary and both utilize entirely existing disturbance.

2. Planned Access Roads:

- a. The proposed well utilizes the existing wellsite RBU 8-15E however the rig will block the existing access requiring a 90' access to the proposed well.
- b. From the existing pipeline maintenance road an access is proposed trending southwest approximately 90' to the proposed well site. The access consists of entirely new disturbance and crosses no significant drainages.
- c. A road design plan is not anticipated at this time.
- d. The proposed access road will consist of a 24' travel surface within a 30' disturbed area across BLM lands.
- e. BLM approval to construct and utilize the proposed access road is requested with this application.
- f. A maximum grade of 10% will be maintained throughout the project.
- g. No turnouts are proposed since the access road is only 90' long and adequate site distance exists in all directions.
- h. No low water crossings and no culverts are anticipated. Adequate drainage structures will be incorporated into the road.
- i. No surfacing material will come from federal or Indian lands.
- j. No gates or cattle guards are anticipated at this time.
- k. Surface disturbance and vehicular travel will be limited to the approved location access road.
- l. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).
- m. The operator will be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells:

- a. Exhibit B has a map reflecting these wells within a one mile radius of the proposed well.

4. Location of Production Facilities:

- a. All permanent structures will be painted a flat, non-reflective Desert Brown or Carlsbad Canyon to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply

with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

- d. A tank battery will be constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- f. No new pipeline corridors are proposed at this time since gas transportation will utilize the existing pipeline network to the existing well site.
- g. **The existing pipeline will be upgrade to 10" or less, as needed, from the proposed well to the existing Tap 1 Facility to provide additional production transportation capacity from the proposed 20 acre in-field wells.**
- h. The upgraded gas pipeline will be a 10" or less steel surface line within a 20' wide utility corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction.
- i. Dominion intends on installing the upgraded pipeline on the surface by welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

- a. The location and type of water supply has been addressed as number 11 within the previous drilling plan information.

6. Source of Construction Material:

- a. The use of materials will conform to 43 CFR 3610.2-3.
- b. No construction materials will be removed from Ute Tribal or BLM lands.
- c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.

- b. Drill cuttings will be contained and buried on site.
- c. The reserve pit will be located outboard of the location and along the west side of the pad.
- d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.
- e. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.
- f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.
- g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.
- h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.
- i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.
- k. Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.
- l. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.
- m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

- a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.

9. Well Site Layout: (See Exhibit B)

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. Access to the well pad will be from the northeast.
- c. The pad and road designs are consistent with BLM specification
- d. A pre-construction meeting with responsible company representative, contractors and the BLM will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.
- e. The pad has been staked at its maximum size of 355' X 200'; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.
- f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.
- h. Diversion ditches will be constructed as shown around the well site to prevent surface waters from entering the well site area.
- i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.
- j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.
- k. Pits will remain fenced until site cleanup.
- l. The blooie line will be located at least 100 feet from the well head.
- m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

10. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

- a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.
- b. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.
- c. Following BLM published Best Management Practices the interim reclamation will be completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.
  - a. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.
  - b. The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and

reseeded at 12 lbs /acre with the following native grass seeds:

1. Crested Wheat Grass (4 lbs / acre)
  2. Needle and Thread Grass (4 lbs / acre)
  3. Rice Grass (4 lbs / acre)
- c. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.
- d. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- e. Prior to final abandonment of the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BLM. The BLM recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

- a. Surface Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.
- b. Mineral Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

12. Other Information:

- a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.
- b. Alden Hamblin has conducted a paleontological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Alden Hamblin.
- c. Our understanding of the results of the onsite inspection are:
  - a. No Threatened and Endangered flora and fauna species were found during the onsite inspection.
  - b. No drainage crossings that require additional State or Federal approval are being crossed.
  - c. A pipeline upgrade is proposed with this application.
  - d. A 90' new access road is required for this well.

13. Operator's Representative and Certification

<u>Title</u>	<u>Name</u>	<u>Office Phone</u>
Company Representative (Roosevelt)	Ken Secrest	1-435-722-4521
Company Representative (Oklahoma)	Carla Christian	1-405-749-5263
Agent for Dominion	Don Hamilton	1-435-637-4075

**Certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under Dominion's BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Signature: Don Hamilton Date: 8-31-06

DOMINION EXPLR. & PROD., INC.

RBU #20-14E

SECTION 15, T10S, R19E, S.L.B.&M.

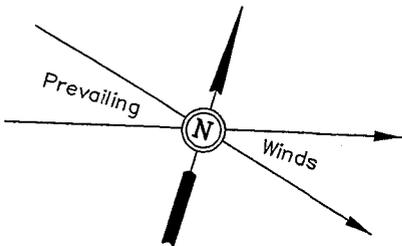
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 3.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 90' TO THE EXISTING #8-15E AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.1 MILES.

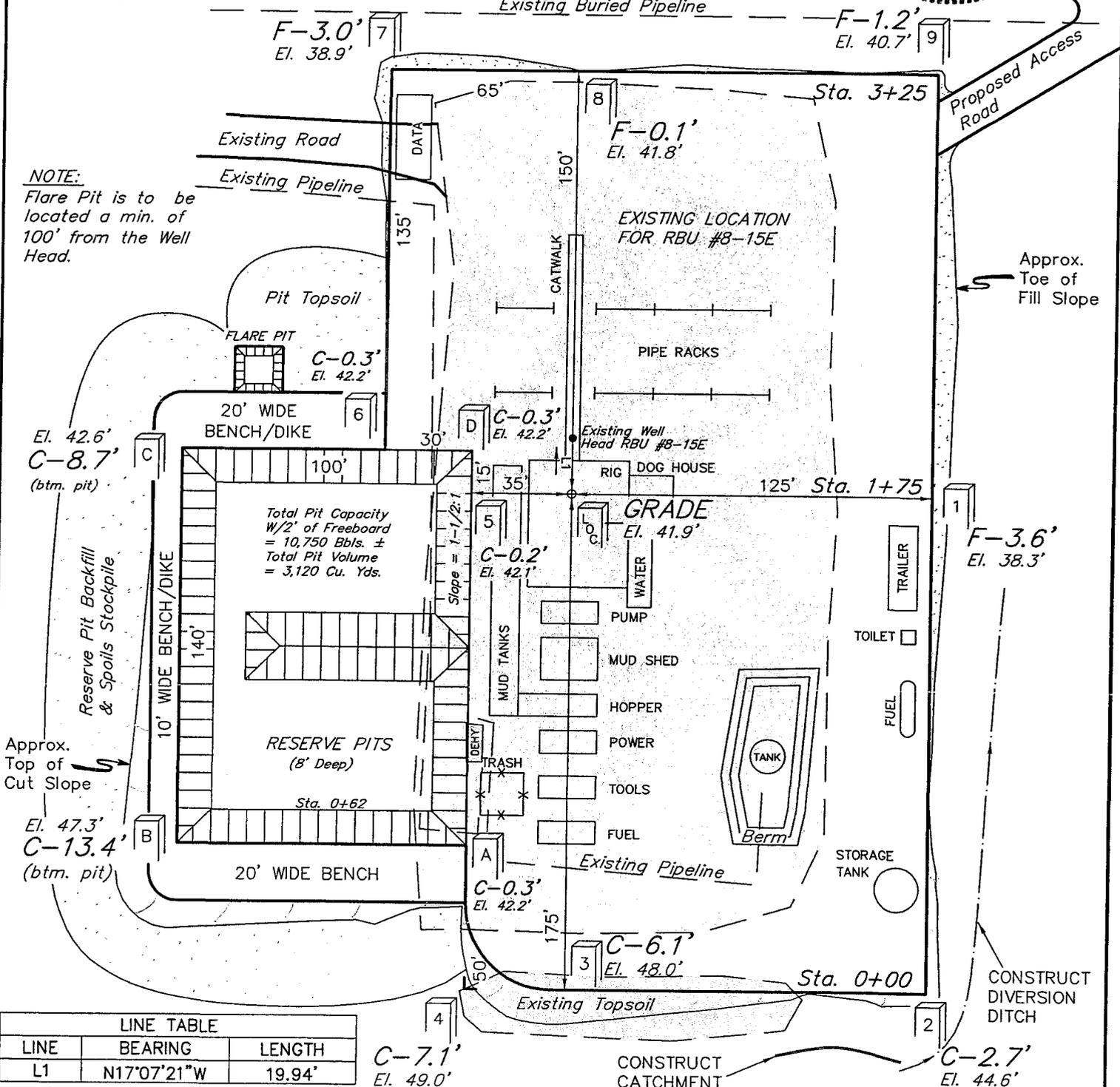
# DOMINION EXPLR. & PROD., INC.

## LOCATION LAYOUT FOR

RBU #20-14E  
SECTION 15, T10S, R19E, S.L.B.&M.  
1821' FNL 532' FEL



SCALE: 1" = 50'  
DATE: 07-10-06  
Drawn By: P.M.



**NOTE:**  
Flare Pit is to be located a min. of 100' from the Well Head.

Total Pit Capacity  
W/2' of Freeboard  
= 10,750 Bbls. ±  
Total Pit Volume  
= 3,120 Cu. Yds.

Approx. Top of Cut Slope

CONSTRUCT DIVERSION DITCH

CONSTRUCT CATCHMENT BASIN

LINE TABLE		
LINE	BEARING	LENGTH
L1	N17°07'21"W	19.94'

**NOTES:**  
FINISHED GRADE ELEV. AT LOC. STAKE = 5141.9'

**DOMINION EXPLR. & PROD., INC.**

**TYPICAL CROSS SECTIONS FOR**

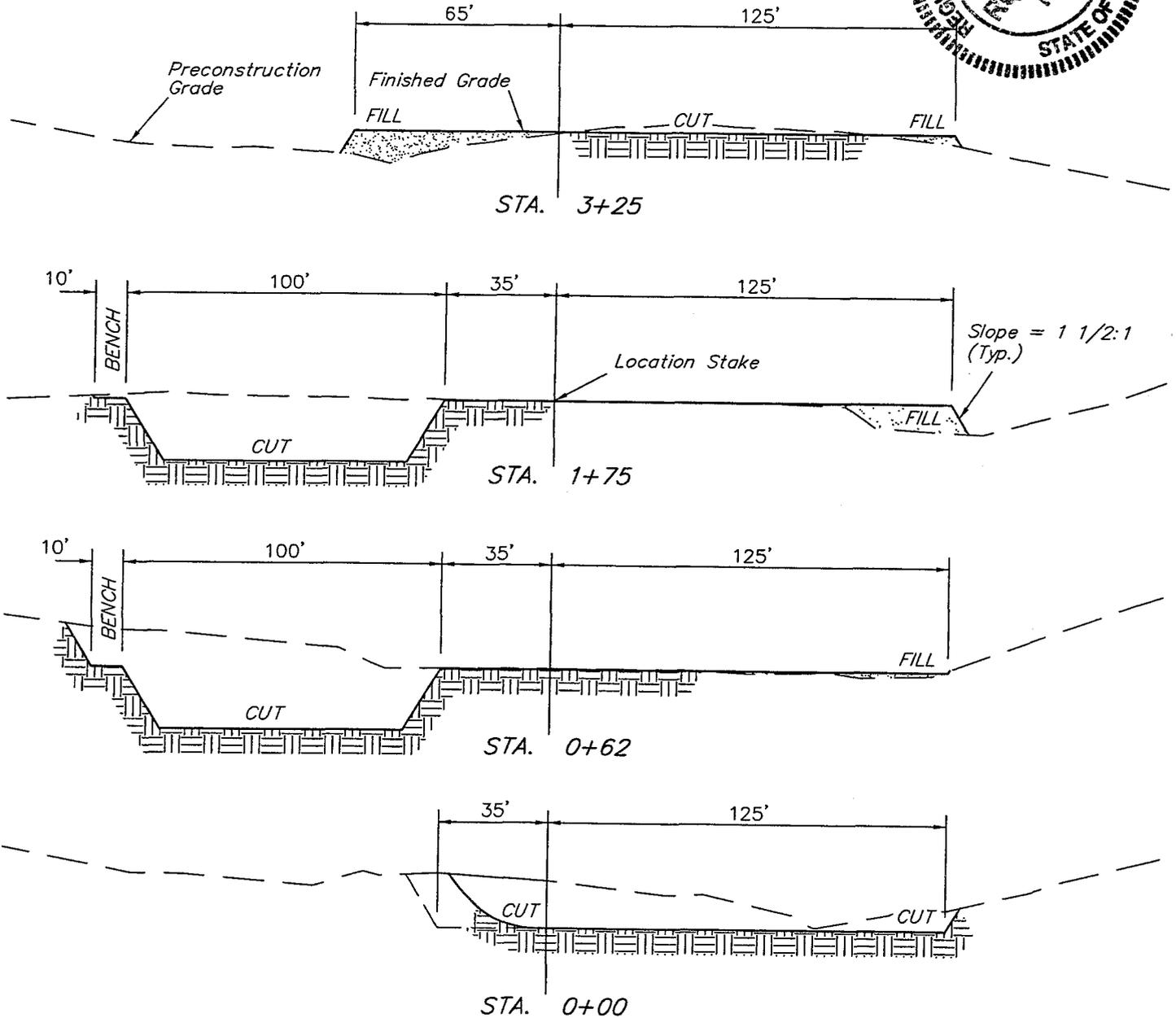
**RBU #20-14E**

**SECTION 15, T10S, R19E, S.L.B.&M.**

**1821' FNL 532' FEL**

1" = 20'  
X-Section Scale  
1" = 50'

DATE: 07-10-06  
Drawn By: P.M.



\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

**APPROXIMATE YARDAGES**

CUT	
(6") Topsoil Stripping	= 730 Cu. Yds.
(New Construction Only)	
Remaining Location	= 4,720 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 5,450 CU.YDS.</b>
<b>FILL</b>	<b>= 1,330 CU.YDS.</b>

EXCESS MATERIAL	= 4,120 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,290 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 1,830 Cu. Yds.

# DOMINION EXPLR. & PROD., INC.

RBU #20-14E

LOCATED IN UTAH COUNTY, UTAH  
SECTION 15, T10S, R19E, S.L.B.&M.

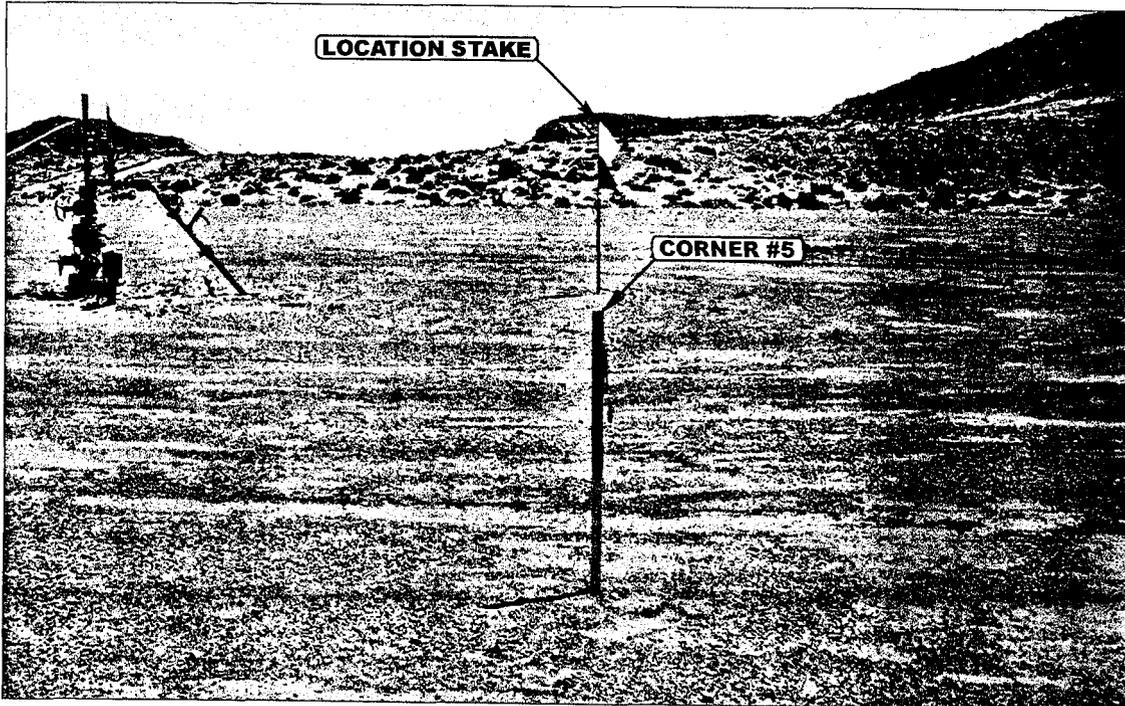


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

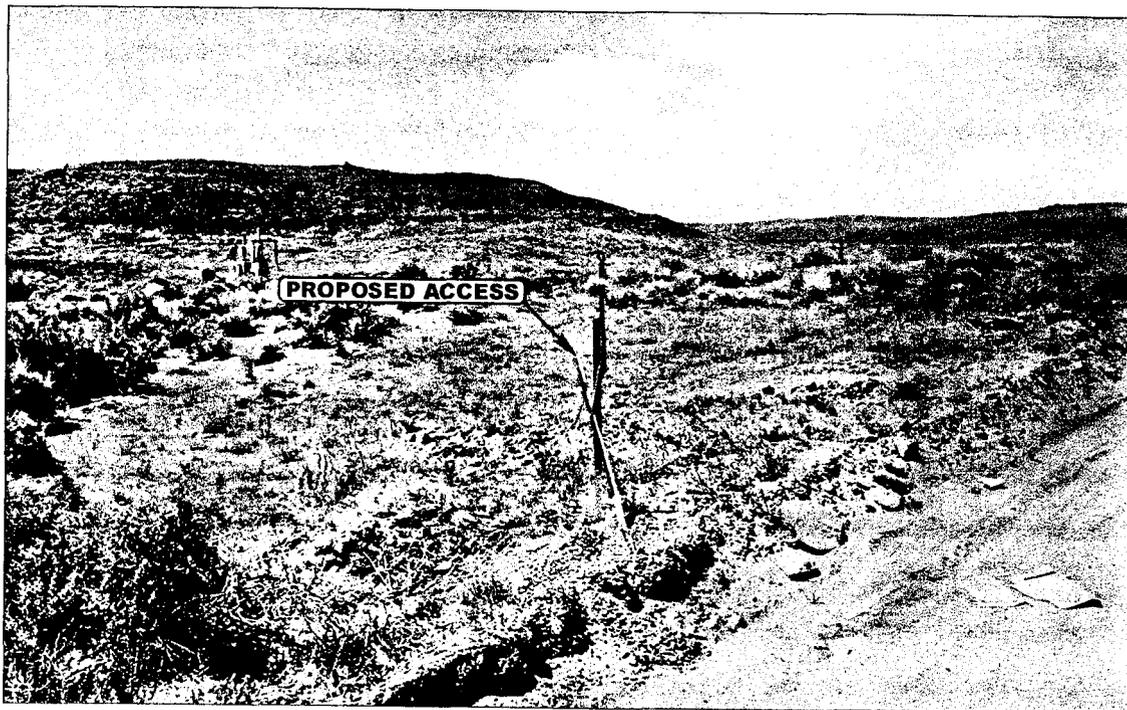


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

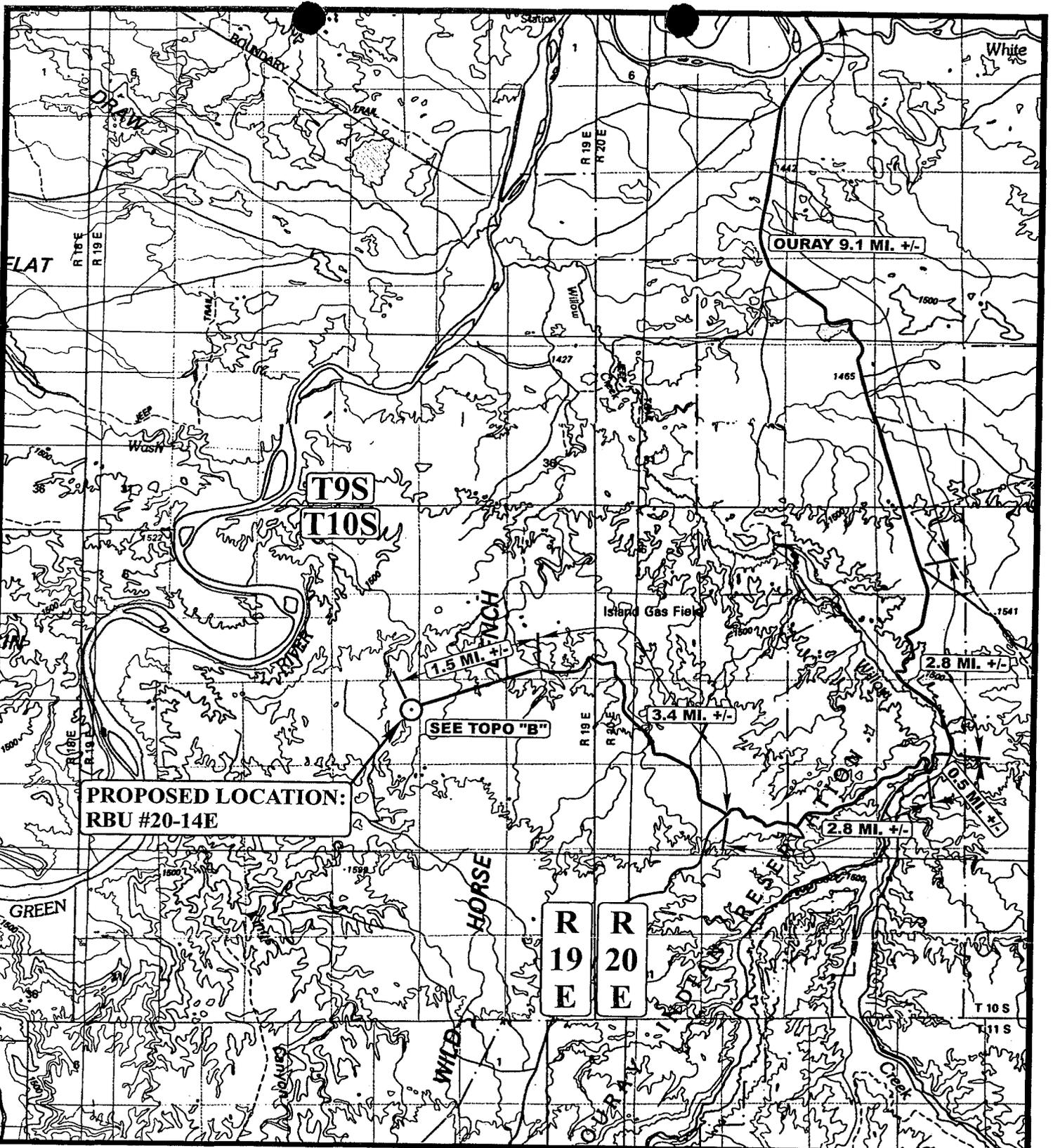
07 07 06  
MONTH DAY YEAR

PHOTO

TAKEN BY: B.B.

DRAWN BY: B.C.

REVISED: 00-00-00



**PROPOSED LOCATION:  
RBU #20-14E**

**LEGEND:**  
 ○ PROPOSED LOCATION

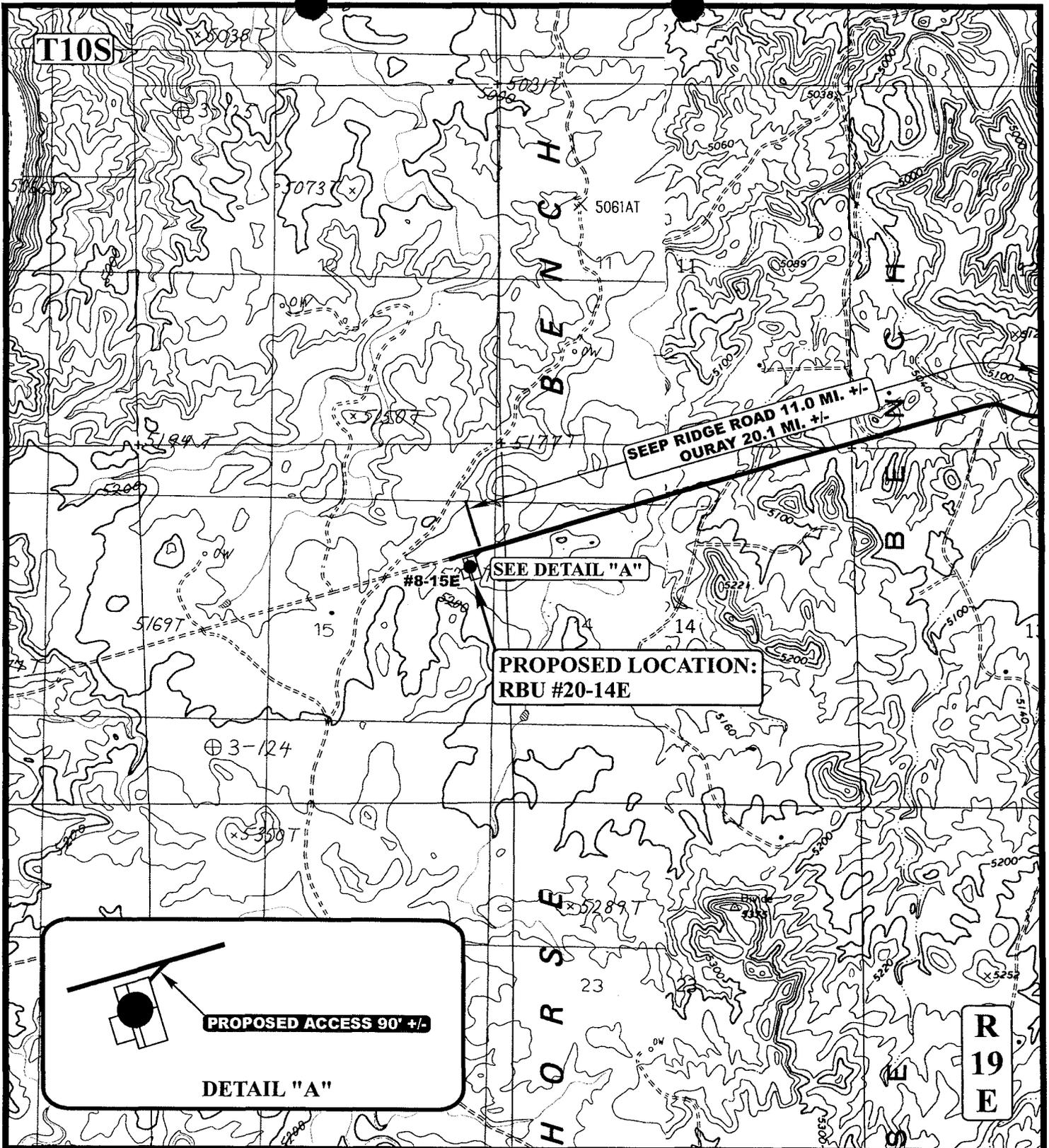
**DOMINION EXPLR. & PROD., INC.**  
 RBU #20-14E  
 SECTION 15, T10S, R19E, S.L.B.&M.  
 1821' FNL 532' FEL



**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP**  
 07 07 06  
 MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: B.C. REVISED: 00-00-00





**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD

**DOMINION EXPLR. & PROD., INC.**

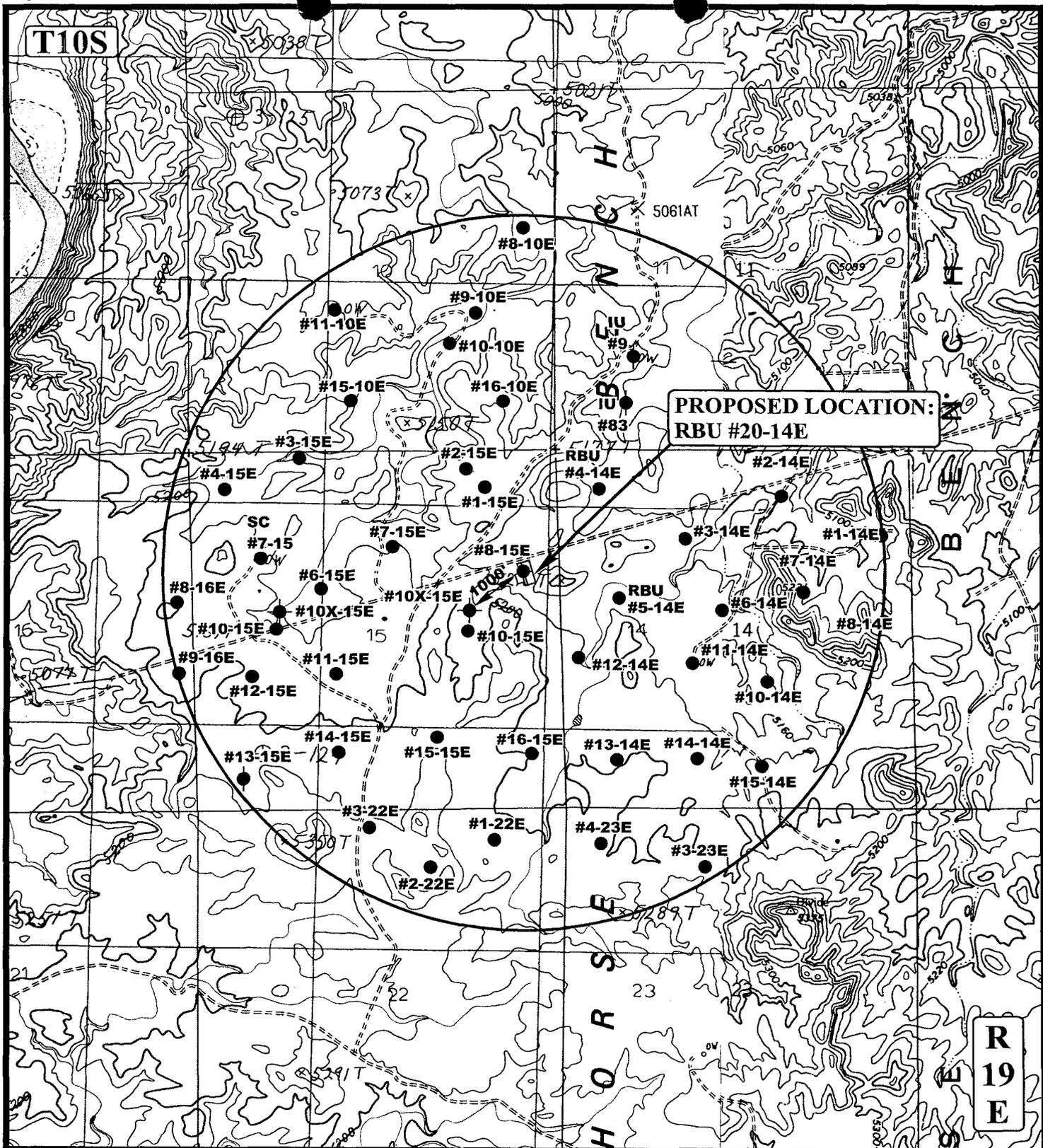
**RBU #20-14E**  
**SECTION 15, T10S, R19E, S.L.B.&M.**  
**1821' FNL 532' FEL**

**U&L S** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



<b>TOPOGRAPHIC</b>	<b>07</b>	<b>07</b>	<b>06</b>
<b>MAP</b>	MONTH	DAY	YEAR
SCALE: 1" = 2000'	DRAWN BY: B.C.		REVISED: 00-00-00

**B**  
TOPO



**PROPOSED LOCATION:  
RBU #20-14E**

**LEGEND:**

- ∅ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ∅ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

**DOMINION EXPLR. & PROD., INC.**

**RBU #20-14E  
SECTION 15, T10S, R19E, S.L.B.&M.  
1821' FNL 532' FEL**

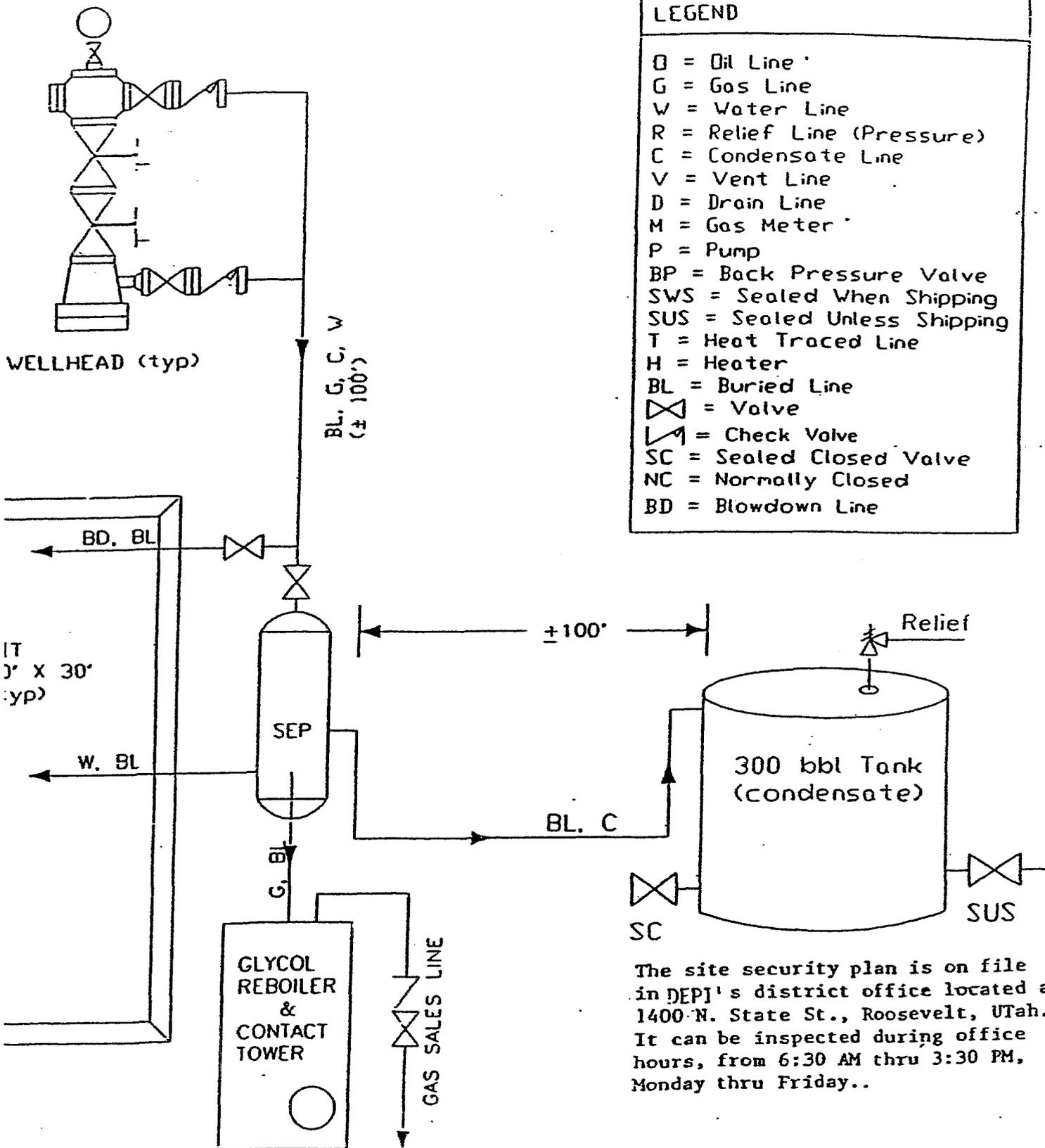


**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP** 07/07/06  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00



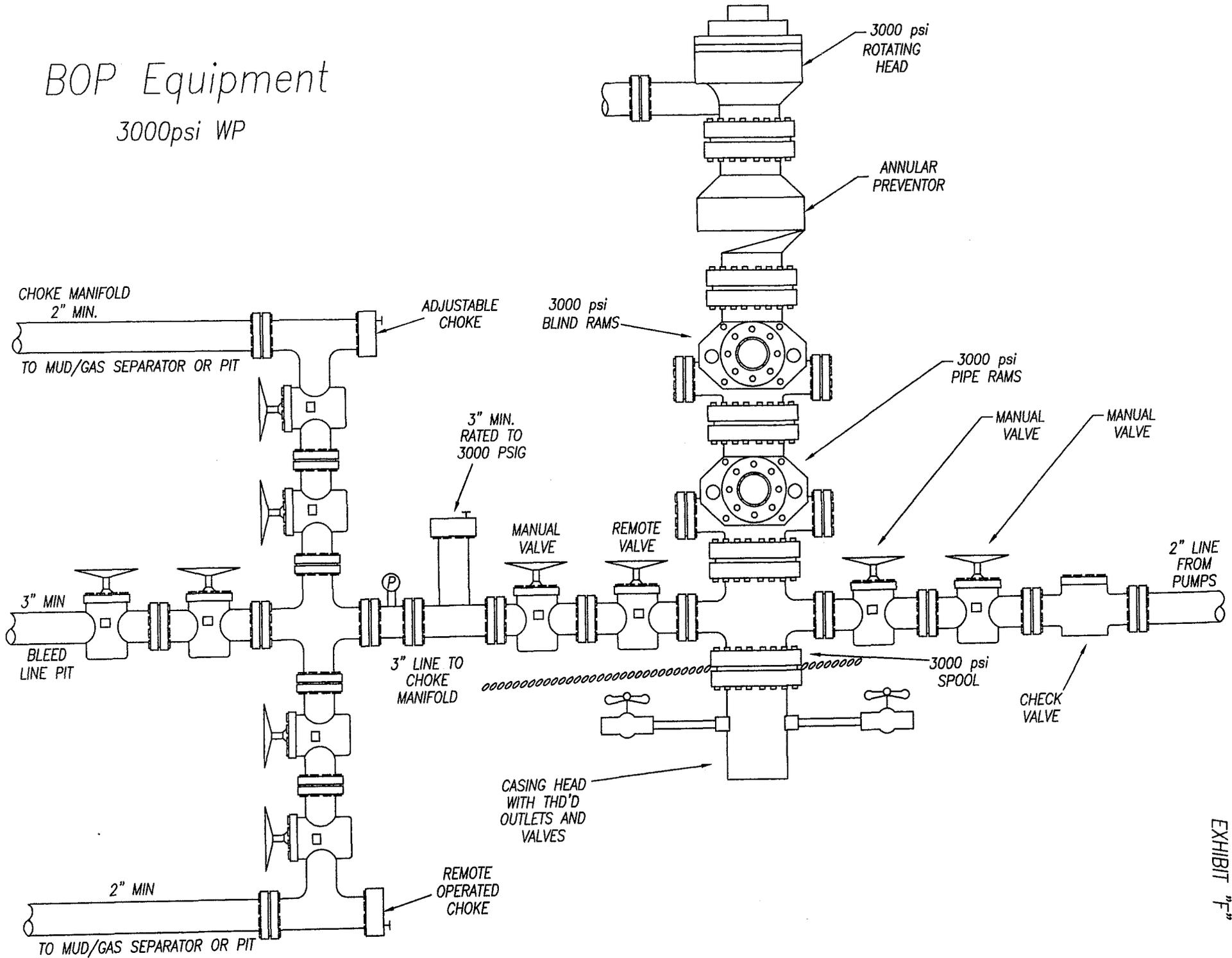


LEGEND	
□	= Oil Line
G	= Gas Line
W	= Water Line
R	= Relief Line (Pressure)
C	= Condensate Line
V	= Vent Line
D	= Drain Line
M	= Gas Meter
P	= Pump
BP	= Back Pressure Valve
SWS	= Sealed When Shipping
SUS	= Sealed Unless Shipping
T	= Heat Traced Line
H	= Heater
BL	= Buried Line
⊗	= Valve
↗	= Check Valve
SC	= Sealed Closed Valve
NC	= Normally Closed
BD	= Blowdown Line

The site security plan is on file in DEPI's district office located at 1400 N. State St., Roosevelt, Utah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..

# BOP Equipment

3000psi WP



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 09/05/2006

API NO. ASSIGNED: 43-047-38598
--------------------------------

WELL NAME: RBU 20-14E  
 OPERATOR: DOMINION EXPL & PROD ( N1095 )  
 CONTACT: DON HAMILTON

PHONE NUMBER: 405-749-5263

PROPOSED LOCATION:

see 14

SENE 15 100S 190E  
 SURFACE: 1821 FNL 0532 FEL  
 BOTTOM: 1100 FNL 0100 FWL  
 COUNTY: UINTAH  
 LATITUDE: 39.94975 LONGITUDE: -109.7604  
 UTM SURF EASTINGS: 605896 NORTHINGS: 4422705  
 FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
<b>Tech Review</b>	<b>Initials</b>	<b>Date</b>
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: U-013792  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

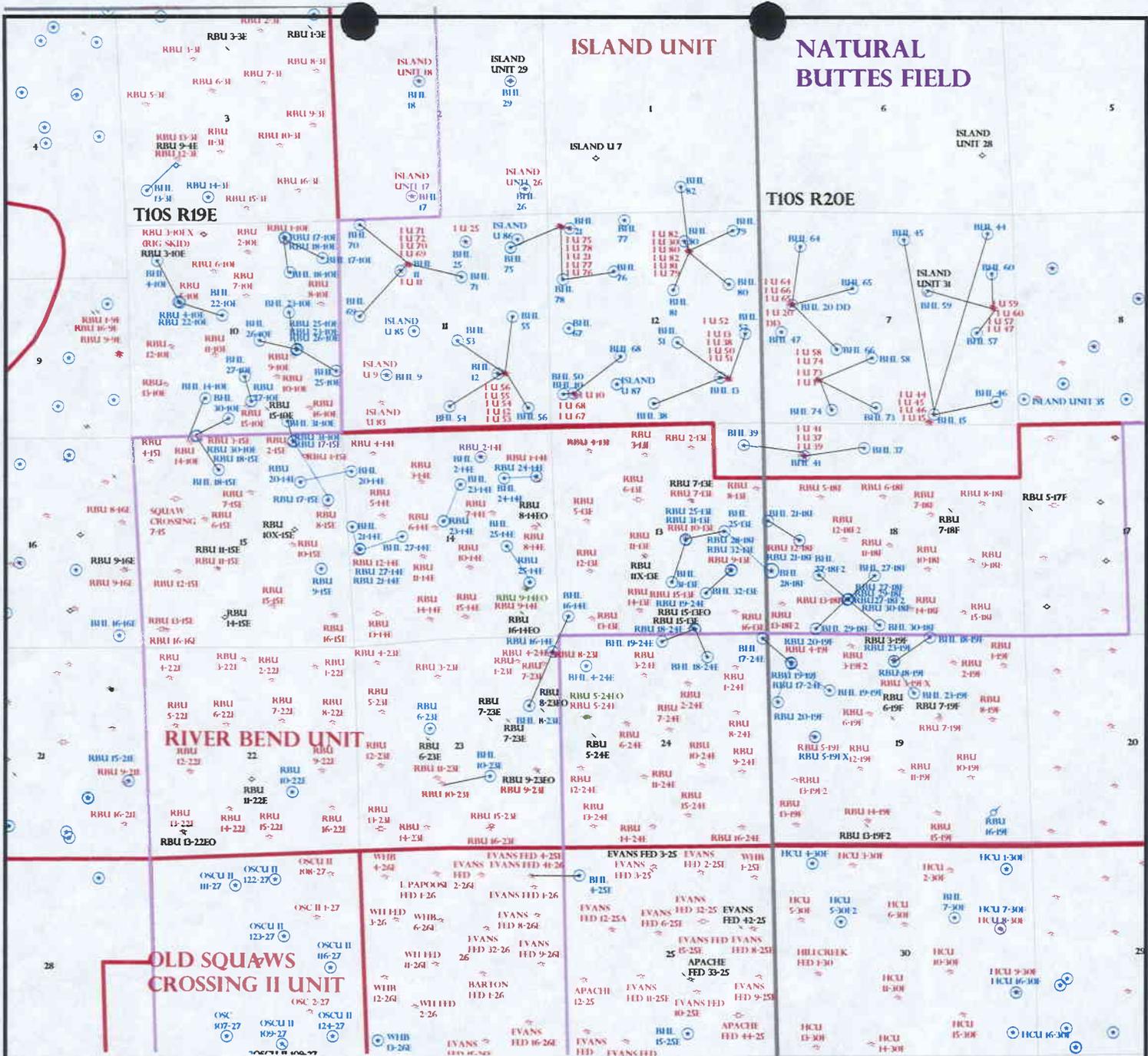
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WY 3322 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-10447 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: RIVER BEND
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 254-01  
Eff Date: 8-18-06  
Siting: Surfords R649-3-11
- R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: 1- Lease Approved



OPERATOR: DOMINION EXPL & PROD (N1095)

SEC: 10,13,14,15 T.10S R. 19E

FIELD: NATURAL BUTTES (630)

COUNTY: Uintah

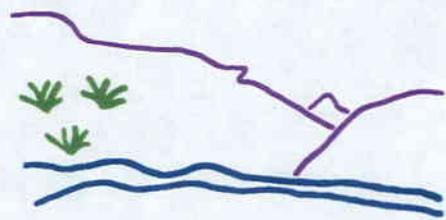
SPACING: R649-3-11 / DIRECTIONAL DRILLING

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

- Unit Status**
- EXPLORATORY
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PENDING
  - PI OIL
  - PP GAS
  - PP GEOTHERML
  - PP OIL
  - SECONDARY
  - TERMINATED

**Wells Status**

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- X TEMP. ABANDONED
- TEST WELL
- ▲ WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 31-AUGUST-2006

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

September 19, 2006

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development River Bend Unit Uintah County,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the River Bend Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ MesaVerde)		
43-047-38582	RBU 17-10E Sec 10 T10S R19E 0477 FNL 1390 FEL BHL Sec 10 T10S R19E 1000 FNL 0465 FEL	
43-047-38584	RBU 27-10E Sec 10 T10S R19E 0723 FSL 2350 FEL BHL Sec 10 T10S R19E 1350 FSL 2500 FEL	
43-047-38585	RBU 26-10E Sec 10 T10S R19E 1995 FSL 1184 FEL BHL Sec 10 T10S R19E 2250 FSL 2100 FEL	
43-047-38586	RBU 25-10E Sec 10 T10S R19E 2013 FSL 1160 FEL BHL Sec 10 T10S R19E 1450 FSL 0200 FEL	
43-047-38587	RBU 23-10E Sec 10 T10S R19E 2007 FSL 1168 FEL BHL Sec 10 T10S R19E 2350 FNL 1350 FEL	
43-047-38588	RBU 22-10E Sec 10 T10S R19E 2064 FNL 1241 FWL BHL Sec 10 T10S R19E 2400 FNL 2300 FWL	
43-047-38543	RBU 28-18F Sec 13 T10S R19E 1640 FSL 0901 FEL BHL Sec 18 T20S R20E 1600 FSL 0100 FWL	
43-047-38544	RBU 18-24E Sec 13 T10S R19E 0143 FSL 1844 FEL	

BHL Sec 24 T10S R19E 0550 FNL 1550 FEL

Page 2

43-047-38545 RBU 19-24E Sec 13 T10S R19E 0159 FSL 1855 FEL  
BHL Sec 24 T10S R19E 0150 FNL 2550 FWL

43-047-38546 RBU 25-13E Sec 13 T10S R19E 2418 FSL 2023 FEL  
BHL Sec 13 T10S R19E 2700 FNL 1050 FEL

43-047-38547 RBU 31-13E Sec 13 T10S R19E 2433 FSL 2036 FEL  
BHL Sec 13 T10S R19E 1350 FSL 2400 FEL

43-047-38589 RBU 21-14E Sec 14 T10S R19E 2240 FSL 0210 FWL  
BHL Sec 14 T10S R19E 2500 FNL 0050 FWL

43-047-38590 RBU 27-14E Sec 14 T10S R19E 2230 FSL 0209 FWL  
BHL Sec 14 T10S R19E 2550 FSL 1300 FWL

43-047-38592 RBU 24-14E Sec 14 T10S R19E 1257 FNL 0432 FEL  
BHL Sec 14 T10S R19E 1300 FNL 1250 FEL

43-047-38593 RBU 23-14E Sec 14 T10S R19E 2375 FNL 2360 FWL  
BHL Sec 14 T10S R19E 1450 FNL 2350 FEL

43-047-38595 RBU 31-10E Sec 15 T10S R19E 0305 FNL 1324 FEL  
BHL Sec 10 T10S R19E 0200 FSL 1450 FEL

43-047-38596 RBU 17-15E Sec 15 T10S R19E 0320 FNL 1324 FEL  
BHL Sec 15 T10S R19E 1350 FNL 1200 FEL

43-047-38597 RBU 18-15E Sec 15 T10S R19E 0125 FNL 1570 FWL  
BHL Sec 15 T10S R19E 1000 FNL 2100 FWL

43-047-38598 RBU 20-14E Sec 15 T10S R19E 1821 FNL 0532 FEL  
BHL Sec 14 T10S R19E 1100 FNL 0100 FWL

43-047-38554 RBU 21-18F Sec 18 T10S R20E 2379 FSL 0834 FWL  
BHL Sec 18 T10S R20E 2450 FNL 0050 FWL

43-047-38555 RBU 27-18F Sec 18 T10S R20E 0902 FSL 2032 FWL  
BHL Sec 18 T10S R20E 1500 FSL 2700 FWL

43-047-38556 RBU 27-18F2 Sec 18 T10S R20E 0888 FSL 2005 FWL  
BHL Sec 18 T10S R20E 1500 FSL 1300 FWL

43-047-38557 RBU 30-18F Sec 18 T10S R20E 0897 FSL 2023 FWL  
BHL Sec 18 T10S R20E 0250 FSL 2800 FWL

43-047-38558 RBU 29-18F Sec 18 T10S R20E 0884 FSL 1996 FWL  
BHL Sec 18 T10S R20E 0150 FSL 1200 FWL

43-047-28549 RBU 17-24E Sec 19 T10S R20E 0703 FNL 0546 FWL  
BHL Sec 24 T10S R19E 0100 FNL 0150 FEL

43-047-38550 RBU 18-19F Sec 19 T10S R20E 0650 FNL 3147 FWL  
BHL Sec 19 T10S R20E 0050 FNL 2400 FEL

Page 3

43-047-38551 RBU 19-19F Sec 19 T10S R20E 0730 FNL 0558 FWL  
BHL Sec 19 T10S R20E 1400 FNL 1500 FWL

43-047-38552 RBU 20-19F Sec 19 T10S R20E 0721 FNL 0554 FWL  
BHL Sec 19 T10S R20E 1700 FNL 0200 FWL

43-047-38553 RBU 23-19F Sec 19 T10S R20E 0654 FNL 3156 FWL  
BHL Sec 19 T10S R20E 1450 FNL 2850 FEL

43-047-38548 RBU 32-13E Sec 13 T10S R19E 1624 FSL 0913 FEL  
BHL Sec 13 T10S R19E 1050 FSL 1550 FEL

43-047-38583 RBU 18-10E Sec 10 T10S R19E 0471 FNL 1409 FEL  
BHL Sec 10 T10S R19E 1350 FNL 1300 FEL

43-047-38591 RBU 25-14E Sec 14 T10S R19E 1380 FSL 0721 FEL  
BHL Sec 14 T10S R19E 2300 FSL 1250 FEL

43-047-38594 RBU 30-10E Sec 15 T10S R19E 0123 FNL 1590 FWL  
BHL Sec 10 T10S R19E 0300 FSL 2400 FWL

Our records indicate the RBU 25-10E is closer than 460 feet from the River Bend Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – River Bend Unit  
Division of Oil Gas and Mining



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

September 25, 2006

Dominion Exploration & Production, Inc.  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

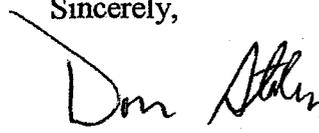
Re: RBU 20-14E Well, Surface Location 1821' FNL, 532' FEL, SE NE, Sec. 15,  
T. 10 South, R. 19 East, Bottom Location 1100' FNL, 100' FWL, NW NW,  
Sec. 14, T. 10 South, R. 19 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38598.

Sincerely,

  
for Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

*SUBMIT IN TRIPLICATE - Other Instructions on reverse side*

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
 Dominion Exploration & Production, Inc.

3a. Address                      Suite 600  
 14000 Quail Springs Parkway, OKC, OK 73134

3b. Phone No. (include area code)  
 (405) 749-1300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1,821' FNL & 532' FEL, SE NE, Section 15-10S-19E  
 1,100' FNL & 100' FWL, NW NW, Section 14-10S-19E

5. Lease Serial No.  
 U-013792

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
 River Bend Unit

8. Well Name and No.  
 RBU 20-14E

9. API Well No.  
 43-047-38598

10. Field and Pool, or Exploratory Area  
 Natural Buttes

11. County or Parish, State  
 Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Plan
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please find attached a new drilling plan. Previous plan submitted with APD showed formation tops at TVD, the corrected plan shows measured depth.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED  
NOV 07 2006  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)                      Keri Pfeifer                      Title                      Associate Regulatory Specialist

Signature                      *Keri Pfeifer*                      Date                      10/31/06

THIS STATE FORTIFIED FOR NATIONAL DEFENSE

Approved by                      \_\_\_\_\_                      Title                      \_\_\_\_\_                      Date                      \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office                      \_\_\_\_\_

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### Attachment for Permit to Drill

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 20-14E  
SHL: 1821' FNL & 532' FEL Section 15-10S-19E  
BHL: 1100' FNL & 100' FWL Section 14-10S-19E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,478'
Uteland Limestone	4,848'
Wasatch	5,008'
Chapita Wells	5,938'
Uteland Buttes	7,188'
Mesaverde	8,078'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,478'	Oil
Uteland Limestone	4,848'	Oil
Wasatch	5,008'	Gas
Chapita Wells	5,938'	Gas
Uteland Buttes	7,188'	Gas
Mesaverde	8,078'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,553'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,978'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

## DRILLING PLAN

### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' – 500'	8.4	Air foam mist, no pressure control
500' – 3,553'	8.6	Fresh water, rotating head and diverter
3,553' – 8,978'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H<sub>2</sub>S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

##### a. Surface Cement:

- Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.

##### b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 3,553'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u> <u>Volume</u>	<u>Cement</u> <u>Volume</u>
Lead	420	0'-3,053'	10.5 ppg	4.14 CFS	994 CF	1,740 CF
Tail	254	3,053'-3,553'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 4.14 cf/sack                      Slurry weight: 10.5 #/gal.  
Water requirement: 26.07 gal/sack  
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.  
Slurry yield: 1.20 cf/sack                      Slurry weight: 15.6 #/gal.  
Pump Time: 1 hr. 5 min. @ 110 °F.  
Compressives @ 110 °F: 2,500 psi after 24 hours

##### c. Production Casing Cement:

- Drill 7-7/8" hole to 8,978'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u> <u>Volume</u>	<u>Cement</u> <u>Volume</u>
Lead	90	4,208'-5,008'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	790	5,008'-8,978'	13.0 ppg	1.75 CFS	688 CF	1379 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.12 cf/sack                      Slurry weight: 11.60 #/gal.  
Water requirement: 17.71 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
Slurry yield: 1.75 cf/sack                      Slurry weight: 13.00 #/gal.  
Water requirement: 9.09 gal/sack  
Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: March 1, 2007  
Duration: 14 Days

# RECEIVED

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SEP 05 2006

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. U-013792
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Dominion Exploration & Production, Inc.		7. If Unit or CA Agreement, Name and No. River Bend Unit
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134	3b. Phone No. (include area code) 405-749-5263	8. Lease Name and Well No. RBU 20-14E
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 1,821' FNL & 532' FEL, SE/4 NE/4, Section 15, At proposed prod. zone 1,100' FNL & 100' FWL, NW/4 NW/4, Section 14,		9. API Well No. 43,047,38598
14. Distance in miles and direction from nearest town or post office* 10.55 miles southwest of Ouray, Utah		10. Field and Pool, or Exploratory Natural Buttes
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 532'	16. No. of acres in lease 1,882.20 acres	11. Sec., T. R. M. or Blk. and Survey or Area T10S, R19E, SLB&M
17. Spacing Unit dedicated to this well 20 acres	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 19.94'	12. County or Parish Uintah
19. Proposed Depth 8,750' TVD (8,978' MD)	20. BLM/BIA Bond No. on file WY 3322	13. State UT
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,142' GR	22. Approximate date work will start* 03/01/2007	23. Estimated duration 14 days

**24. Attachments**

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature <i>Don Hamilton</i>	Name (Printed/Typed) Don Hamilton	Date 08/31/2006
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Title  
Agent for Dominion

Approved by (Signature) <i>Jerry Kavcicka</i>	Name (Printed/Typed) JERRY KAVCICKA	Date 10-22-2006
--	--	--------------------

Title  
Assistant Field Manager  
Lands & Mineral Resources

Office  
VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

# RECEIVED

JAN 16 2007

CONFIDENTIAL

**NOTICE OF APPROVAL**

**CONDITIONS OF APPROVAL ATTACHED**

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

<b>Company:</b> Dominion Exploration & Production	<b>Location:</b> SENE, Sec 15, T10S, R19E
<b>Well No:</b> RBU 20-14E	<b>Lease No:</b> UTU-013792
<b>API No:</b> 43-047-38598	<b>Agreement:</b> River Bend Unit

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	James Ashley	Office: 435-781-4470	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chuck MacDonald	Office: 435-781-4486	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
<b>After hours contact number:</b> (435) 781-4513		<b>FAX:</b> (435) 781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

- |   |  |
|---|--|
| Location Construction<br>(Notify Karl Wright)               | - Forty-Eight (48) hours prior to construction of location and access roads  |
| Location Completion<br>(Notify Karl Wright)                 | - Prior to moving on the drilling rig.   |
| Spud Notice<br>(Notify PE)                                  | - Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify Jamie Sparger SPT)     | - Twenty-Four (24) hours prior to running casing and cementing all casing strings.   |
| BOP & Related Equipment Tests<br>(Notify Jamie Sparger SPT) | - Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(Notify PE)                      | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

Surface Conditions of Approval or monitoring are listed in the Surface Use Plan of the APDs.

- For well RBU 20-14E, the operator agrees to coordinate with Questar where the pipeline will cross the Questar pipeline. Dominion will bury under the Questar pipeline or ramp over the line as agreed upon.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee will submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods.

The interim seed mix for reclamation will be:

Hy-crest Crested Wheat grass	<i>Agropyron cristatum</i>	4 lbs per acre
Indian rice grass	<i>Orazopsis hymenoides</i>	4 lbs per acre
Needle and Thread grass	<i>Stipa comata</i>	4 lbs per acre

- If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil re-spread over the surface; and, the surface re-vegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

## **DOWNHOLE CONDITIONS OF APPROVAL**

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- A Cement Bond Log (CBL) shall be run from the TD to the top of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office for review.
- The top of the production casing cement shall extend a minimum of 200 feet above the intermediate casing shoe.
- Variance granted:
- Eighty foot long blooie line approved

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
- Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.
- All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.
- BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
- All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- The lessee/operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, etc.) to Peter Sokolosky or another geologist of the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
- No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.
- Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30

days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, shall the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and / or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
1. DJJ
2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

7/1/2007

<b>FROM: (Old Operator):</b> N1095-Dominion Exploration & Production, Inc 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134  Phone: 1 (405) 749-1300	<b>TO: ( New Operator):</b> N2615-XTO Energy Inc 810 Houston St Fort Worth, TX 76102  Phone: 1 (817) 870-2800
--	--

CA No.		Unit:		RIVER BEND				
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/6/2007
- a. Is the new operator registered in the State of Utah: Business Number: 5655506-0143
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: \_\_\_\_\_
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: \_\_\_\_\_
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 9/27/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/27/2007
- Bond information entered in RBDMS on: 9/27/2007
- Fee/State wells attached to bond in RBDMS on: 9/27/2007
- Injection Projects to new operator in RBDMS on: 9/27/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB000138
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762
- b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

**COMMENTS:**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER:
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>SEE ATTACHED</b>
2. NAME OF OPERATOR: <b>XTO Energy Inc. N2615</b>		9. API NUMBER: <b>SEE ATTACHED</b>
3. ADDRESS OF OPERATOR: 810 Houston Street CITY <b>Fort Worth</b> STATE <b>TX</b> ZIP <b>76102</b>		10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>SEE ATTACHED</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc. **N1095**  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

**James D. Abercrombie** (405) 749-1300  
James D. Abercrombie  
Sr. Vice President, General Manager - Western Business Unit

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) <u>Edwin S. Ryan, Jr.</u>	TITLE <u>Sr. Vice President - Land Administration</u>
SIGNATURE <u><i>Edwin S. Ryan, Jr.</i></u>	DATE <u>7/31/2007</u>

(This space for State use only)

**APPROVED** 9127107  
**Earlene Russell**  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**  
**AUG 06 2007**  
DIV. OF OIL, GAS & MINING

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

**Request to Transfer Application or Permit to Drill**

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	SEE ATTACHED LIST
API number:	
Location:	Qtr-Qtr:                      Section:                      Township                      Range
Company that filed original application:	DOMINION E&P
Date original permit was issued:	
Company that permit was issued to:	DOMINION E&P

Check one	Desired Action:
<input type="checkbox"/>	Transfer pending (unapproved) Application for Permit to Drill to new operator
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		✓
If so, has the surface agreement been updated?		
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		✓
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		✓
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		✓
Has the approved source of water for drilling changed?		✓
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		✓
Is bonding still in place, which covers this proposed well? Bond No. <u>104312762</u>	✓	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) HOLLY C. PERKINS Title REGULATORY COMPLIANCE TECH  
 Signature *Holly C. Perkins* Date 08/27/2007  
 Representing (company name) XTO ENERGY INC.

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

AUG 30 2007

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well_name	qtr_qtr	sec	tpw	rng	lease_num	entity	Lease	well	stat
4304736202	RBU 2-20E	NWNE	20	100S	190E	U-03505		Federal	GW	APD
4304736203	RBU 15-20E	SWSE	20	100S	190E	U-03505		Federal	GW	APD
4304736204	RBU 10-20E	NWSE	20	100S	190E	U-03505		Federal	GW	APD
4304736205	RBU 14-21E	SESW	21	100S	190E	U-013766		Federal	GW	APD
4304736295	RBU 10-21E	NWSE	21	100S	190E	U-013766		Federal	GW	APD
4304736426	RBU 7-9E	NWSE	09	100S	190E	U-03505		Federal	GW	APD
4304736430	RBU 16-20E	SESE	20	100S	190E	U-03505		Federal	GW	APD
4304736431	RBU 13-21E	SESE	20	100S	190E	U-013766		Federal	GW	APD
4304736606	RBU 14-11F	SESW	11	100S	200E	U-7206		Federal	GW	APD
4304737032	RBU 1-4E	NENE	04	100S	190E	U-013792		Federal	GW	APD
4304737423	RBU 2-21F	SWSE	16	100S	200E	U-013793-A		Federal	OW	APD
4304737569	RBU 14-15F	SESW	15	100S	200E	U-7206		Federal	OW	APD
4304737648	RBU 6-4E	SWNE	04	100S	190E	U-013792		Federal	GW	APD
4304737649	RBU 12-17E	NWSW	17	100S	190E	U-03505		Federal	GW	APD
4304737650	RBU 13-17E	SWSW	17	100S	190E	U-03505		Federal	GW	APD
4304737651	RBU 6-23E	SENW	23	100S	190E	U-013766		Federal	GW	APD
4304737652	RBU 7-16F	SWNE	16	100S	200E	U-7206		Federal	GW	APD
4304737748	RBU 14-16F	SWSE	16	100S	200E	U-7206		Federal	GW	APD
4304738341	RBU 15-21E	SWSE	21	100S	190E	U 013766		Federal	GW	APD
4304738544	RBU 18-24E	SWSE	13	100S	190E	U 013794		Federal	GW	APD
4304738545	RBU 19-24E	SWSE	13	100S	190E	U 013794		Federal	GW	APD
4304738546	RBU 25-13E	NWSE	13	100S	190E	U-013765		Federal	GW	APD
4304738547	RBU 31-13E	NWSE	13	100S	190E	U-013765		Federal	GW	APD
4304738549	RBU 17-24E	NWNW	19	100S	200E	U-013794		Federal	GW	APD
4304738550	RBU 18-19F	NENW	19	100S	200E	U 013769-A		Federal	GW	APD
4304738551	RBU 19-19F	NWNW	19	100S	200E	U 013769-A		Federal	GW	APD
4304738552	RBU 20-19F	NWNW	19	100S	200E	U 013769-A		Federal	GW	APD
4304738553	RBU 23-19F	NENW	19	100S	200E	U013769-A		Federal	GW	APD
4304738554	RBU 21-18F	NWSW	18	100S	200E	U013769-A		Federal	GW	APD
4304738582	RBU 17-10E	NWNE	10	100S	190E	U-013792		Federal	GW	APD
4304738583	RBU 18-10E	NWNE	10	100S	190E	U-013792		Federal	GW	APD
4304738584	RBU 27-10E	SWSE	10	100S	190E	U-013792		Federal	GW	APD
4304738585	RBU 26-10E	NESE	10	100S	190E	U-013792		Federal	GW	APD
4304738586	RBU 25-10E	NESE	10	100S	190E	U-013792		Federal	GW	APD
4304738587	RBU 23-10E	NESE	10	100S	190E	U-013792		Federal	GW	APD
4304738588	RBU 22-10E	SWNW	10	100S	190E	U-035316		Federal	GW	APD
4304738589	RBU 21-14E	NWSW	14	100S	190E	U-013792		Federal	GW	APD
4304738590	RBU 27-14E	NWSW	14	100S	190E	U-013792		Federal	GW	APD
4304738591	RBU 25-14E	NESE	14	100S	190E	U-013792		Federal	GW	APD
4304738592	RBU 24-14E	NENE	14	100S	190E	U-013792		Federal	GW	APD
4304738593	RBU 23-14E	SENW	14	100S	190E	U-013792		Federal	GW	APD
4304738594	RBU 30-10E	NENW	15	100S	190E	U-013792		Federal	GW	APD
4304738597	RBU 18-15E	NENW	15	100S	190E	U-013766		Federal	GW	APD
4304738598	RBU 20-14E	SENE	15	100S	190E	U-013792		Federal	GW	APD



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
3180  
UT-922

Dominion Exploration & Production, Inc.  
Attn: James D. Abercrombie  
14000 Quail Springs Parkway, #600  
Oklahoma City, OK 73134-2600

August 10, 2007

Re: River Bend Unit  
Uintah County, Utah

Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the River Bend Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the River Bend Unit Agreement.

Your statewide oil and gas bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

*/s/ Greg J. Noble*

Greg J. Noble  
Acting Chief, Branch of Fluid Minerals

Enclosure

RECEIVED  
AUG 16 2007  
DIV. OF OIL, GAS & MINING

RECEIVED  
SEP 10 2007

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
U-013792

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
N/A

7. UNIT or CA AGREEMENT NAME:  
River Bend Unit

8. WELL NAME and NUMBER:  
RBU 20-14E

9. API NUMBER:  
4304738598

10. FIELD AND POOL, OR WILDCAT:  
Natural Buttes

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
XTO Energy

3. ADDRESS OF OPERATOR:  
P.O. Box 1360 CITY Roosevelt STATE UT ZIP 84066

PHONE NUMBER:  
(435) 722-4521

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 1,821' FNL & 532' FEL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 14 10S 19E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

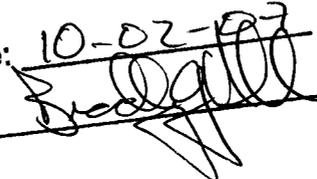
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Permit Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

XTO Energy hereby requests a one year extension of the state permit for the referenced well.

This is the first extension that has been requested.

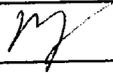
Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-02-07  
By: 

10-3-07  
Rm

NAME (PLEASE PRINT) Marnie Griffin

TITLE Agent for XTO Energy

SIGNATURE 

DATE 9/7/2007

(This space for State use only)

RECEIVED

SEP 10 2007

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738598  
Well Name: RBW 20-14E  
Location: 14-10S-19E 1,821' FNL & 532' FEL  
Company Permit Issued to: XTO Energy  
Date Original Permit Issued: 9/25/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

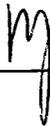
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

Signature



9/7/2007

Date

Title: Agent

Representing: XTO Energy

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator **XTO Energy, Inc.**

3a. Address  
**PO Box 1360; 978 North Crescent, Roosevelt, UT 84066**

3b. Phone No. (include area code)  
**435-722-4521**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1,821' FNL & 532' FEL, SE/4 NE/4, Section 15, T10S, R19E, SLB&M**

5. Lease Serial No.  
**U-013792**

6. If Indian, Allottee or Tribe Name  
**N/A**

7. If Unit or CA/Agreement, Name and/or No.  
**River Bend Unit**

8. Well Name and No.  
**RBU 20-14E**

9. API Well No.  
**4304738598**

10. Field and Pool, or Exploratory Area  
**Natural Buttes**

11. County or Parish, State  
**Uintah County, Utah**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other <u>Permit Extension</u>

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

XTO Energy hereby requests a one year extension of the federal permit for the referenced well that expires on 12-22-07.

This is the first extension that has been requested. The federal permit was formerly in the name of Dominion Exploration & Production, Inc.

14. I hereby certify that the foregoing is true and correct  
 Name (Printed/Typed)

**Don Hamilton**

Title **Agent for XTO Energy, Inc.**

Signature

*Don Hamilton*

Date

**10-10-2007**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

*[Signature]*

**Petroleum Engineer**

Date

**OCT 22 2007**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED**

**NOV 07 2007**

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED



# CONDITIONS OF APPROVAL

## XTO Energy, Inc.

### Notice of Intent APD Extension

**Lease:** UTU-013792  
**Well:** RBU 20-14E  
**Location:** SENE Sec 15-T10S-R19E

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 12/22/08.
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Ryan Angus of this office at (435) 781-4430

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS** **DOG M COPY**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
**U-013792**

6. If Indian, Allottee or Tribe Name  
**N/A**

7. If Unit or CA/Agreement, Name and/or No.  
**RIVER BEND UNIT**

8. Well Name and No.  
**RBU 20-14E**

9. API Well No.  
**43-047-38598**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**

11. County or Parish, State  
**UINTAH UTAH**

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**XTO Energy Inc.**

3a. Address  
**382 CR 3100 Aztec, NM 87410**

3b. Phone No. (include area code)  
**505-333-3100**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1821' FNL & 532' FEL SENE SEC 15-T10S-R19E**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy Inc., proposes to change the current drilling program per attached documents.

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

**RECEIVED  
OCT 14 2008  
DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed) **JENNIFER M. HEMBRY** Title **FILE CLERK**

Signature *Jennifer M. Hembry* Date **10/08/2008**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Office \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

**DOG M COPY**

# XTO ENERGY INC.

RBU 20-14E

APD Data

October 6, 2008

Location: 1821' FNL & 532' FEL, Sec. 15, T10S, R19E County: Uintah

State: Utah

Bottomhole Location: 1100' FNL & 100' FWL, Sec. 14, T10S, R19E

GREATEST PROJECTED TD: 8872' MD/ 8750' TVD

OBJECTIVE: Wasatch/Mesaverde

APPROX GR ELEV: 5142'

Est KB ELEV: 5156' (14' AGL)

## 1. MUD PROGRAM:

INTERVAL	0' to 2259'	2259' to 8872'
HOLE SIZE	12.25"	7.875"
MUD TYPE	FW/Spud Mud	KCl Based LSND / Gel Chemical
WEIGHT	8.80 ppg	8.6-9.2 ppg
VISCOSITY	NC	30-60 sec-qt <sup>-1</sup>
WATER LOSS	NC	8-15 cc/30 min

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes. The mud system will be monitored visually/manually.

## 2. CASING PROGRAM:

Surface Casing: 9.625" casing set at ±2259'MD/2200'TVD in a 12.25" hole filled with 8.8 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-2259'	2259'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.84

Production Casing: 5.5" casing set at ±8872'MD/8750'TVD in a 7.875" hole filled with 9.20 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-8872'	8872'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.90	2.34	2.31

Collapse and burst loads calculated at TVD with 0.1 psi/ft gas gradient back up.

## 3. WELLHEAD:

- A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread on bottom (or slip-on, weld-on) and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 5,000 psig WP, 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

## 4. CEMENT PROGRAM:

- A. Surface: 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at ±2259' in 12.25" hole.

### LEAD:

±223 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.0 ppg, 3.82 ft<sup>3</sup>/sk, 22.95 gal wtr/sx.

### TAIL:

350 sx Class G or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 15.6 ppg, 1.2 cuft/sx

*Total estimated slurry volume for the 9.625" surface casing is 1272.3 ft<sup>3</sup>. Slurry includes 75% excess of calculated open hole annular volume to 2259'.*

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±8872' in 7.875" hole.

LEAD:

±278 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.10 ft<sup>3</sup>/sk, 17.71 gal wtr/sx.

TAIL:

400 sx Class G or equivalent cement with poz, bonding additive, LCM, dispersant, & fluid loss mixed at 13.0 ppg, 1.49 cuft/sx, 9.09 gal/sx.

*Total estimated slurry volume for the 5.5" production casing is 1458.0 ft<sup>3</sup>. Slurry includes 15% excess of calculated open hole annular volume.*

*Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 15% or greater excess. The cement is designed to circulate on surface casing string. The production casing is designed for 1759' top of cement.*

5. LOGGING PROGRAM:

- A. Mud Logger: The mud logger will come on at intermediate casing point and will remain on the hole until TD. The mud will be logged in 10' intervals.
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (8872') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (8872') to 2259'. Run Gamma Ray to surface.

6. FORMATION TOPS:

Please see attached directional plan.

7. ANTICIPATED OIL, GAS, & WATER ZONES:

No change.

8. BOP EQUIPMENT:

Surface will utilize a 500 psi or greater diverter.

Production hole will be drilled with a 3000 psi BOP stack.

Minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double ram with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to stack working pressure if isolated by test plug or to 70% of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10% in 30 minutes

occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50% of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed:
- b. whenever any seal subject to test pressure is broken
- c. following related repairs: and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) shall be held open or the ball removed.

Annular preventers (if used) shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No.2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests. Pressure tests shall apply to all related well control equipment.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Test pressures for BOP equipment are as follows:

- Annular BOP -- 1500 psi
- Ram type BOP -- 3000 psi
- Kill line valves -- 3000 psi
- Choke line valves and choke manifold valves -- 3000 psi
- Chokes -- 3000 psi
- Casing, casinghead & weld -- 1500 psi
- Upper kelly cock and safety valve -- 3000 psi
- Dart valve -- 3000 psi

Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The BLM in Vernal, UT shall be notified, at least 24 hours prior to initiating the pressure test, in order to have a BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram.

- b. A choke line and a kill line are to be properly installed.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.
- e. See attached BOP & Choke manifold diagrams.

9. **COMPANY PERSONNEL:**

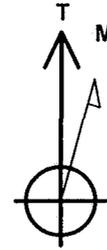
<b><u>Name</u></b>	<b><u>Title</u></b>	<b><u>Office Phone</u></b>	<b><u>Home Phone</u></b>
John Egelston	Drilling Engineer	505-333-3163	505-330-6902
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
Jeff Jackson	Project Geologist	817-885-2800	



# Well Name: RBU 20-14E

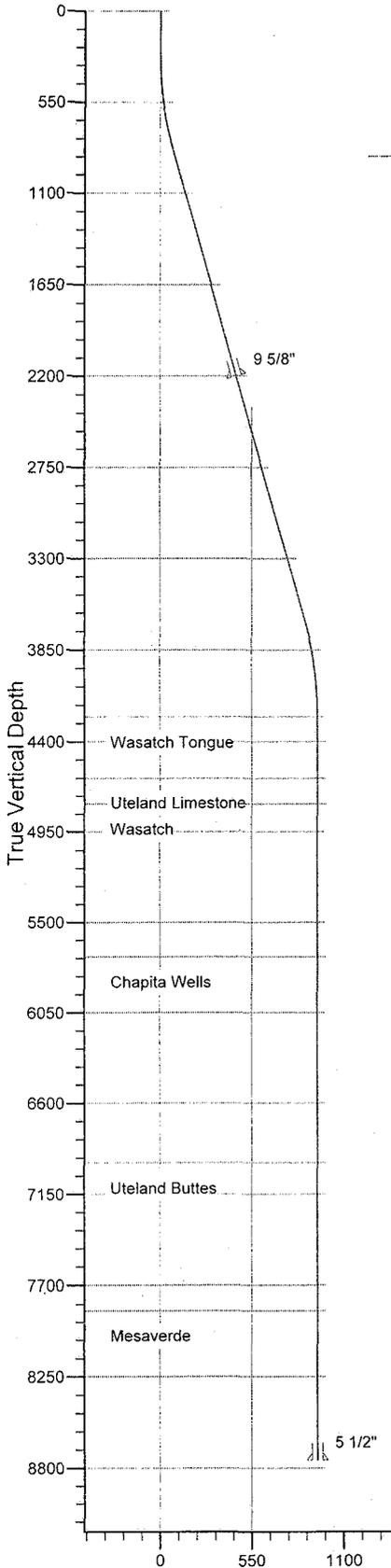
San Juan Division  
Drilling Department

Calculation Method: Minimum Curvature  
Geodetic Datum: North American Datum 1983  
Lat: 39° 56' 59.032 N  
Long: 109° 45' 40.540 W



Azimuths to True North  
Magnetic North: 11.51°

Magnetic Field  
Strength: 52556.6nT  
Dip Angle: 65.85°  
Date: 10/6/2008  
Model: IGRF200510



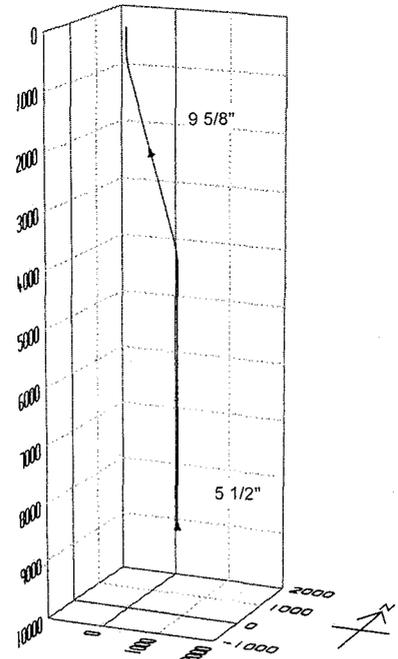
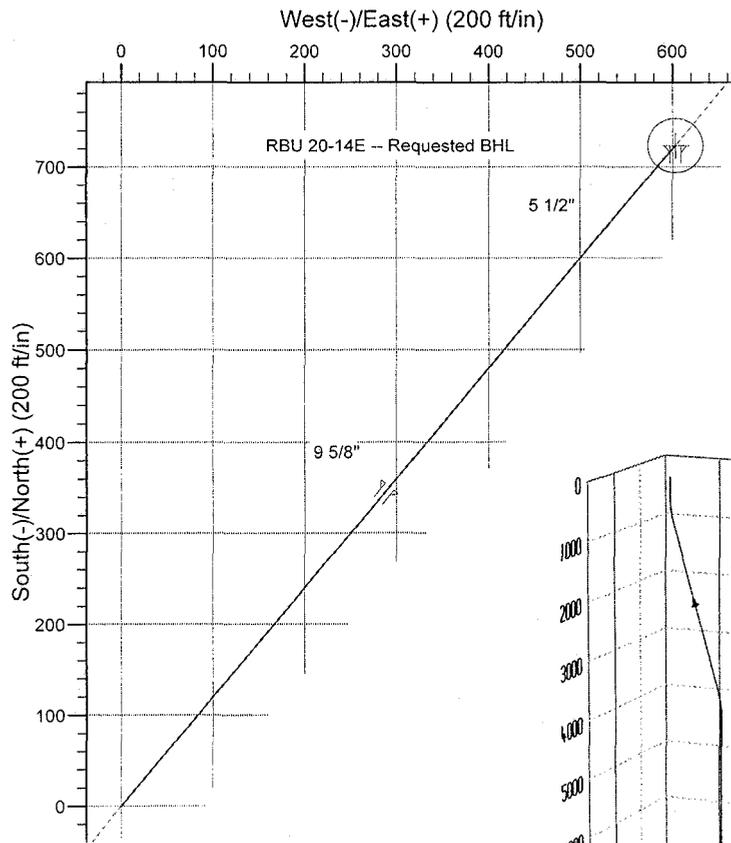
Vertical Section at 39.81°

### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4250.0	4372.4	Wasatch Tongue
4620.0	4742.4	Uteland Limestone
4780.0	4902.4	Wasatch
5710.0	5832.4	Chapita Wells
6960.0	7082.4	Uteland Buttes
7850.0	7972.4	Mesaverde

### CASING DETAILS

TVDP	MD	Name	Size
2200.0	2259.3	9 5/8"	9-5/8
8750.0	8872.4	5 1/2"	5-1/2



### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	819.4	15.58	39.81	813.0	53.9	44.9	3.00	39.81	70.2	
4	3803.0	15.58	39.81	3687.0	669.6	558.1	0.00	0.00	871.7	
5	4322.4	0.00	0.00	4200.0	723.5	603.1	3.00	180.00	941.9	RBU 20-14E -- Requested BHL
6	8872.4	0.00	0.00	8750.0	723.5	603.1	0.00	0.00	941.9	

# **XTO Energy**

**Natural Buttes Wells(NAD83)**

**RBU 20-14E**

**RBU 20-14E**

**RBU 20-14E**

**Plan: Sundry'd Wellbore**

## **Standard Planning Report**

**06 October, 2008**

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 20-14E  
**Well:** RBU 20-14E  
**Wellbore:** RBU 20-14E  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well RBU 20-14E  
**TVD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Natural Buttes Wells(NAD83), Vernal, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Utah Northern Zone		

<b>Site</b>	RBU 20-14E, T10S, R19E				
<b>Site Position:</b>		<b>Northing:</b>	3,145,946.74 ft	<b>Latitude:</b>	39° 56' 59.032 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,127,974.86 ft	<b>Longitude:</b>	109° 45' 40.540 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	1.15 °

<b>Well</b>	RBU 20-14E, S-Well to Wasatch/Mesaverde					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	3,145,946.74 ft	<b>Latitude:</b>	39° 56' 59.032 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,127,974.86 ft	<b>Longitude:</b>	109° 45' 40.540 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,142.0 ft	<b>Ground Level:</b>	5,142.0 ft

<b>Wellbore</b>	RBU 20-14E				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	10/6/2008	11.51	65.85	52,557

<b>Design</b>	Sundry'd Wellbore			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	39.81

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
819.4	15.58	39.81	813.0	53.9	44.9	3.00	3.00	0.00	39.81	
3,803.0	15.58	39.81	3,687.0	669.6	558.1	0.00	0.00	0.00	0.00	
4,322.4	0.00	0.00	4,200.0	723.5	603.1	3.00	-3.00	0.00	180.00	RBU 20-14E -- Reque
8,872.4	0.00	0.00	8,750.0	723.5	603.1	0.00	0.00	0.00	0.00	

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 20-14E  
**Well:** RBU 20-14E  
**Wellbore:** RBU 20-14E  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well RBU 20-14E  
**TVD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	3.00	39.81	400.0	2.0	1.7	2.6	3.00	3.00	0.00
500.0	6.00	39.81	499.6	8.0	6.7	10.5	3.00	3.00	0.00
600.0	9.00	39.81	598.8	18.1	15.1	23.5	3.00	3.00	0.00
700.0	12.00	39.81	697.1	32.1	26.7	41.7	3.00	3.00	0.00
800.0	15.00	39.81	794.3	50.0	41.7	65.1	3.00	3.00	0.00
819.4	15.58	39.81	813.0	53.9	44.9	70.2	3.00	3.00	0.00
900.0	15.58	39.81	890.7	70.5	58.8	91.8	0.00	0.00	0.00
1,000.0	15.58	39.81	987.0	91.2	76.0	118.7	0.00	0.00	0.00
1,100.0	15.58	39.81	1,083.3	111.8	93.2	145.6	0.00	0.00	0.00
1,200.0	15.58	39.81	1,179.6	132.5	110.4	172.4	0.00	0.00	0.00
1,300.0	15.58	39.81	1,276.0	153.1	127.6	199.3	0.00	0.00	0.00
1,400.0	15.58	39.81	1,372.3	173.7	144.8	226.2	0.00	0.00	0.00
1,500.0	15.58	39.81	1,468.6	194.4	162.0	253.0	0.00	0.00	0.00
1,600.0	15.58	39.81	1,564.9	215.0	179.2	279.9	0.00	0.00	0.00
1,700.0	15.58	39.81	1,661.3	235.6	196.4	306.7	0.00	0.00	0.00
1,800.0	15.58	39.81	1,757.6	256.3	213.6	333.6	0.00	0.00	0.00
1,900.0	15.58	39.81	1,853.9	276.9	230.8	360.5	0.00	0.00	0.00
2,000.0	15.58	39.81	1,950.2	297.5	248.0	387.3	0.00	0.00	0.00
2,100.0	15.58	39.81	2,046.6	318.2	265.2	414.2	0.00	0.00	0.00
2,200.0	15.58	39.81	2,142.9	338.8	282.4	441.1	0.00	0.00	0.00
2,259.3	15.58	39.81	2,200.0	351.0	292.6	457.0	0.00	0.00	0.00
<b>9 5/8"</b>									
2,300.0	15.58	39.81	2,239.2	359.4	299.6	467.9	0.00	0.00	0.00
2,400.0	15.58	39.81	2,335.5	380.1	316.8	494.8	0.00	0.00	0.00
2,500.0	15.58	39.81	2,431.8	400.7	334.0	521.7	0.00	0.00	0.00
2,600.0	15.58	39.81	2,528.2	421.3	351.2	548.5	0.00	0.00	0.00
2,700.0	15.58	39.81	2,624.5	442.0	368.4	575.4	0.00	0.00	0.00
2,800.0	15.58	39.81	2,720.8	462.6	385.6	602.2	0.00	0.00	0.00
2,900.0	15.58	39.81	2,817.1	483.2	402.8	629.1	0.00	0.00	0.00
3,000.0	15.58	39.81	2,913.5	503.9	420.0	656.0	0.00	0.00	0.00
3,100.0	15.58	39.81	3,009.8	524.5	437.2	682.8	0.00	0.00	0.00
3,200.0	15.58	39.81	3,106.1	545.1	454.4	709.7	0.00	0.00	0.00
3,300.0	15.58	39.81	3,202.4	565.8	471.6	736.6	0.00	0.00	0.00
3,400.0	15.58	39.81	3,298.8	586.4	488.8	763.4	0.00	0.00	0.00
3,500.0	15.58	39.81	3,395.1	607.0	506.0	790.3	0.00	0.00	0.00
3,600.0	15.58	39.81	3,491.4	627.7	523.2	817.1	0.00	0.00	0.00
3,700.0	15.58	39.81	3,587.7	648.3	540.4	844.0	0.00	0.00	0.00
3,803.0	15.58	39.81	3,687.0	669.6	558.1	871.7	0.00	0.00	0.00
3,900.0	12.67	39.81	3,781.0	687.8	573.3	895.4	3.00	-3.00	0.00
4,000.0	9.67	39.81	3,879.1	702.6	585.7	914.7	3.00	-3.00	0.00
4,100.0	6.67	39.81	3,978.1	713.6	594.8	928.9	3.00	-3.00	0.00
4,200.0	3.67	39.81	4,077.7	720.5	600.6	938.0	3.00	-3.00	0.00
4,300.0	0.67	39.81	4,177.6	723.4	603.0	941.7	3.00	-3.00	0.00
4,322.4	0.00	0.00	4,200.0	723.5	603.1	941.9	3.00	-3.00	0.00
<b>RBU 20-14E -- Requested BHL</b>									
4,372.4	0.00	0.00	4,250.0	723.5	603.1	941.9	0.00	0.00	0.00
<b>Wasatch Tongue</b>									
4,400.0	0.00	0.00	4,277.6	723.5	603.1	941.9	0.00	0.00	0.00
4,500.0	0.00	0.00	4,377.6	723.5	603.1	941.9	0.00	0.00	0.00

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 20-14E  
**Well:** RBU 20-14E  
**Wellbore:** RBU 20-14E  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well RBU 20-14E  
**TVD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,600.0	0.00	0.00	4,477.6	723.5	603.1	941.9	0.00	0.00	0.00
4,700.0	0.00	0.00	4,577.6	723.5	603.1	941.9	0.00	0.00	0.00
4,742.4	0.00	0.00	4,620.0	723.5	603.1	941.9	0.00	0.00	0.00
<b>Uteland Limestone</b>									
4,800.0	0.00	0.00	4,677.6	723.5	603.1	941.9	0.00	0.00	0.00
4,900.0	0.00	0.00	4,777.6	723.5	603.1	941.9	0.00	0.00	0.00
4,902.4	0.00	0.00	4,780.0	723.5	603.1	941.9	0.00	0.00	0.00
<b>Wasatch</b>									
5,000.0	0.00	0.00	4,877.6	723.5	603.1	941.9	0.00	0.00	0.00
5,100.0	0.00	0.00	4,977.6	723.5	603.1	941.9	0.00	0.00	0.00
5,200.0	0.00	0.00	5,077.6	723.5	603.1	941.9	0.00	0.00	0.00
5,300.0	0.00	0.00	5,177.6	723.5	603.1	941.9	0.00	0.00	0.00
5,400.0	0.00	0.00	5,277.6	723.5	603.1	941.9	0.00	0.00	0.00
5,500.0	0.00	0.00	5,377.6	723.5	603.1	941.9	0.00	0.00	0.00
5,600.0	0.00	0.00	5,477.6	723.5	603.1	941.9	0.00	0.00	0.00
5,700.0	0.00	0.00	5,577.6	723.5	603.1	941.9	0.00	0.00	0.00
5,800.0	0.00	0.00	5,677.6	723.5	603.1	941.9	0.00	0.00	0.00
5,832.4	0.00	0.00	5,710.0	723.5	603.1	941.9	0.00	0.00	0.00
<b>Chapita Wells</b>									
5,900.0	0.00	0.00	5,777.6	723.5	603.1	941.9	0.00	0.00	0.00
6,000.0	0.00	0.00	5,877.6	723.5	603.1	941.9	0.00	0.00	0.00
6,100.0	0.00	0.00	5,977.6	723.5	603.1	941.9	0.00	0.00	0.00
6,200.0	0.00	0.00	6,077.6	723.5	603.1	941.9	0.00	0.00	0.00
6,300.0	0.00	0.00	6,177.6	723.5	603.1	941.9	0.00	0.00	0.00
6,400.0	0.00	0.00	6,277.6	723.5	603.1	941.9	0.00	0.00	0.00
6,500.0	0.00	0.00	6,377.6	723.5	603.1	941.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,477.6	723.5	603.1	941.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,577.6	723.5	603.1	941.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,677.6	723.5	603.1	941.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,777.6	723.5	603.1	941.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,877.6	723.5	603.1	941.9	0.00	0.00	0.00
7,082.4	0.00	0.00	6,960.0	723.5	603.1	941.9	0.00	0.00	0.00
<b>Uteland Buttes</b>									
7,100.0	0.00	0.00	6,977.6	723.5	603.1	941.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,077.6	723.5	603.1	941.9	0.00	0.00	0.00
7,300.0	0.00	0.00	7,177.6	723.5	603.1	941.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,277.6	723.5	603.1	941.9	0.00	0.00	0.00
7,500.0	0.00	0.00	7,377.6	723.5	603.1	941.9	0.00	0.00	0.00
7,600.0	0.00	0.00	7,477.6	723.5	603.1	941.9	0.00	0.00	0.00
7,700.0	0.00	0.00	7,577.6	723.5	603.1	941.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,677.6	723.5	603.1	941.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,777.6	723.5	603.1	941.9	0.00	0.00	0.00
7,972.4	0.00	0.00	7,850.0	723.5	603.1	941.9	0.00	0.00	0.00
<b>Mesaverde</b>									
8,000.0	0.00	0.00	7,877.6	723.5	603.1	941.9	0.00	0.00	0.00
8,100.0	0.00	0.00	7,977.6	723.5	603.1	941.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,077.6	723.5	603.1	941.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,177.6	723.5	603.1	941.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,277.6	723.5	603.1	941.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,377.6	723.5	603.1	941.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,477.6	723.5	603.1	941.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,577.6	723.5	603.1	941.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,677.6	723.5	603.1	941.9	0.00	0.00	0.00

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 20-14E  
**Well:** RBU 20-14E  
**Wellbore:** RBU 20-14E  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well RBU 20-14E  
**TVD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,872.4	0.00	0.00	8,750.0	723.5	603.1	941.9	0.00	0.00	0.00
5 1/2"									

### Targets

#### Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
RBU 20-14E -- Request	0.00	0.00	4,200.0	723.5	603.1	3,146,682.16	2,128,563.33	39° 57' 6.180 N	109° 45' 32.797 W
- plan hits target									
- Circle (radius 30.0)									

### Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,259.3	2,200.0	9 5/8"	9-5/8	12-1/4
8,872.4	8,750.0	5 1/2"	5-1/2	7-7/8

### Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,372.4	4,250.0	Wasatch Tongue		0.00	
4,742.4	4,620.0	Uteland Limestone		0.00	
4,902.4	4,780.0	Wasatch		0.00	
5,832.4	5,710.0	Chapita Wells		0.00	
7,082.4	6,960.0	Uteland Buttes		0.00	
7,972.4	7,850.0	Mesaverde		0.00	

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		6. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-013792</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>N/A</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: <b>River Bend Unit</b>
		8. WELL NAME and NUMBER: <b>RBU 20-14E</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	2. NAME OF OPERATOR: <b>XTO Energy, Inc.</b>	9. API NUMBER: <b>4304738598</b>
3. ADDRESS OF OPERATOR: <b>P.O. Box 1360</b> CITY <b>Roosevelt</b> STATE <b>UT</b> ZIP <b>84066</b>	PHONE NUMBER: <b>(435) 722-4521</b>	10. FIELD AND POOL, OR WILDCAT: <b>Undesignated</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1,821' FNL &amp; 532' FEL</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>15 10S 19E S</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Permit Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

XTO Energy, Inc. hereby requests a one year extension of the state permit for the referenced well.  
This is the second extension that has been requested.

Approved by the  
Utah Division of  
Oil, Gas and Mining

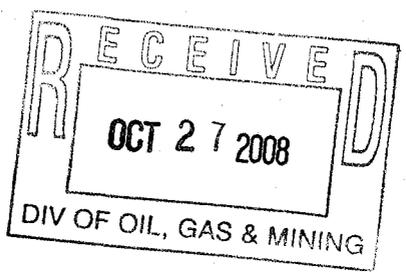
Date: 10/30/08  
By: D. Johnson

NAME (PLEASE PRINT) <u>Kendell Johnson</u>	TITLE <u>Agent for XTO Energy, Inc.</u>
SIGNATURE <u>Kendell Johnson</u>	DATE <u>9/22/2008</u>

(This space for State use only)

COPY SENT TO OPERATOR  
Date: 10.30.2008  
Initials: KS

(See Instructions on Reverse Side)



(5/2000)

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304738598  
**Well Name:** RBU 20-14E  
**Location:** 1,821' FNL & 532' FEL 15-10S-19E  
**Company Permit Issued to:** XTO Energy, Inc.  
**Date Original Permit Issued:** 9/25/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

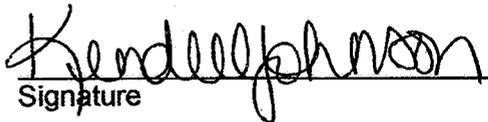
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

  
Signature

9/22/2008

Date

Title: Kendell Johnson

Representing: XTO Energy, Inc.

Spud

BLM - Vernal Field Office - Notification Form

Operator XTO Rig Name/# Pete Martin Air Rig Submitted By Rick Oman Phone Number 1-435-828-1456  
Well Name/Number RBU 20-14E  
Qtr/Qtr SENE Section 15 Township 10 South Range 19 East  
Lease Serial Number UTU-013792  
API Number 43-047-38598

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 12/15/2008 10:00 AM  PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time \_\_\_\_\_ AM  PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time \_\_\_\_\_ AM  PM

Remarks Thanks Rick.

\_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**DOGM COPY**

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>U-013792</b>
2. Name of Operator <b>XTO Energy Inc.</b>		6. If Indian, Allottee or Tribe Name <b>N/A</b>
3a. Address <b>382 CR 3100 Aztec, NM 87410</b>	3b. Phone No. (include area code) <b>505-333-3100</b>	7. If Unit or CA/Agreement, Name and/or No. <b>RIVER BEND UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1821' FNL &amp; 532' FEL SENE SEC 15-T10S-R19E</b>		8. Well Name and No. <b>REU 20-14E</b>
		9. API Well No. <b>43-047-38598</b>
		10. Field and Pool, or Exploratory Area <b>NATURAL BUTTES</b>
		11. County or Parish, State <b>UINTAH UTAH</b>

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SPUD</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

**XTO Energy Inc., spudded this well on 12/15/2008.**

**RECEIVED**

**DEC 15 2008**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>JENNIFER M. HEMERY</b>		Title <b>REGULATORY CLERK</b>
Signature <i>Jennifer M. Hemery</i>		Date <b>12/16/2008</b>
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>		
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**DOGM COPY**

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

FORM 6

**ENTITY ACTION FORM**

Operator: XTO ENERGY INC.  
Address: 382 CR 3100  
city AZTEC  
state NM zip 87410

Operator Account Number: N 2615

Phone Number: (505) 333-3100

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738598	RIVER BEND UNIT 20-14E		SENE	15	10S	19E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
AB	99999	7050	12/15/2008		12/30/08		
Comments: <u>MVRD = WSTMVD</u> <u>BHL = Sec 14 NWNW</u>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

JENNIFER M. HEMBRY

Name (Please Print)  
*Jennifer M. Hembry*  
Signature  
REGULATORY CLERK  
Title

12/16/2008  
Date

(5/2000)

**RECEIVED**

**DEC 15 2008**

DIV. OF OIL, GAS & MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>U-013792</b>
2. Name of Operator <b>XTO Energy Inc.</b>		6. If Indian, Allottee or Tribe Name <b>N/A</b>
3a. Address <b>382 CR 3100 Aztec, NM 87410</b>	3b. Phone No. (include area code) <b>505-333-3100</b>	7. If Unit or CA/Agreement, Name and/or No. <b>RIVER BEND UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1821' FNL &amp; 532' FEL SENE SEC 15-T10S-R19E</b>		8. Well Name and No. <b>RBU 20-14E</b>
		9. API Well No. <b>43-047-38598</b>
		10. Field and Pool, or Exploratory Area <b>NATURAL BUTTES</b>
		11. County or Parish, State <b>UINTAH UTAH</b>

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SPUD</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

**XTO Energy Inc., spudded this well on 12/15/2008.**

**RECEIVED  
DEC 22 2008  
DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>JENNIFER M. HEMBRY</b>		Title <b>REGULATORY CLERK</b>
Signature <i>Jennifer M. Hembry</i>		Date <b>12/16/2008</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-013792
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1821' FNL x 532' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 15 10S 19E S		8. WELL NAME and NUMBER: RBU 20-14E
PHONE NUMBER: (505) 333-3100		9. API NUMBER: 4304738598
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 12/31/2008	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>DECEMBER 08</u> <u>MONTHLY REPORT</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Attached is XTO Energy's monthly report for the period of 12/01/2008 thru 12/31/2008.

NAME (PLEASE PRINT) <u>JENNIFER M. HEMBRY</u>	TITLE <u>REGULATORY CLERK</u>
SIGNATURE <u>Jennifer M. Hembry</u>	DATE <u>1/5/2009</u>

(This space for State use only)

RECEIVED  
JAN 12 2009

**EXECUTIVE SUMMARY REPORT**

12/1/2008 - 12/31/2008  
Report run on 1/2/2009 at 4:32 PM

---

**Riverbend Unit 20-14E - Riverbend Unit 20-14E**

Section 15-10S-19E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well

Date First Report: 12/15/2008

Last Casing String: Casing Joints, 12/15/2008

Method of Production:

12/15/2008

MIRU Pete Martin Rat Hole Drilling. Spud Conductor @ 10:00 A.M. 12/15/2008.  
Drill 20" Conductor Hole to 64.0' KB. Ran 14" Conductor Pipe Set @ 64.0' KB.  
Cement To Surface w/ 2 1/2 Yards Redimix Cement. Drill And Set Rat And Mouse  
Hole For Frontier 6 Drilling Rig. RDMO.

=====  
===== Riverbend Unit 20-14E =====

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>			6. LEASE DESIGNATION AND SERIAL NUMBER: <b>U-013792</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>N/A</b>
			7. UNIT or CA AGREEMENT NAME: <b>RIVERBEND UNIT</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			8. WELL NAME and NUMBER: <b>RBU 20-14E</b>
2. NAME OF OPERATOR: <b>XTO ENERGY INC.</b>			9. API NUMBER: <b>4304738598</b>
3. ADDRESS OF OPERATOR: <b>382 CR 3100</b> CITY <b>AZTEC</b> STATE <b>NM</b> ZIP <b>87410</b>		PHONE NUMBER: <b>(505) 333-3100</b>	10. FIELD AND POOL, OR WLD CAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1821' FNL x 532' FEL</b>			COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 15 10S 19E S</b>			STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: <b>1/31/2009</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <b>January 08</b> <b>MONTHLY REPORT</b>

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

Attached is XTO Energy's monthly report for the period of 1/1/2009 thru 1/31/2009

NAME (PLEASE PRINT) <b>EDEN FINE</b>	TITLE <b>REGULATORY CLERK</b>
SIGNATURE	DATE <b>2/6/2009</b>

(This space for State use only)

**RECEIVED**  
**FEB 10 2009**  
**DIV. OF OIL, GAS & MINING**

**EXECUTIVE SUMMARY REPORT**

1/1/2009 - 1/31/2009  
Report run on 2/4/2009 at 4:07 PM

**Riverbend Unit 20-14E**

Section 15-10S-19E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well

Date First Report: 1/12/2009

Method of Production:

1/12/2009

MIRU

=====  
Riverbend Unit 20-14E  
=====

1/13/2009

Picked up Directional Tools - daily cost increase  
CO: Had to Replace # 1 Mud Pump, Main Bearing on Bull Wheel gone/ Took Top off of Pump House Cut Pump off of Skid & Lift out with Crane/Also had to rebuild Fluid Manifold//PC on 1/12/09 @ 1800 hrs & 0600 on 1/13/09 (No Leaks Structure & Cap Good) man

=====  
Riverbend Unit 20-14E  
=====

1/14/2009

CO: Drlg & Slide @ 500' Last Survey @ 393' (Survey's are 52' behind the bit) Inc 4.48\* - Azm 35.03// w/33 Vis - 9.6 Wt & 10.0 WL// An Avg of 54' per/hr ROP sence 2200 hr//PC @ 1800 hrs on 1/13/09 & 0600 hrs on 1/14/09 ( No Leaks Structure & Cap Good ) man

=====  
Riverbend Unit 20-14E  
=====

1/15/2009

direc drlg f/ 500 to 2016  
wt 9.7, vis 32, last survey @ 1955 13.81 deg, 38.81 az

=====  
Riverbend Unit 20-14E  
=====

1/16/2009

Drld f/2016' to 2326' KB. Drld 310' for 6 hrs @ 51.66 ft/hr. Circulate. Mud Wt. 9.5# Vis 33. TOOH. LD 8" Directional Tools. PU & Run 9 5/8" J-55 36# ST&C Csg. Landed 9 5/8 Csg @ 2295.21' KB. Cement w/Pro Petro Lead Cmt 170 bbls 250 sks, Tail Cmt 41 bbls 200 sks, Displace w/171 bbls, Cmt Returns 43 bbls. Cmt Stayed To Surface. ND Surface Stack. NU BOP's.  
Drld f/2016' to 2326' KB. Drld 310' for 6 hrs @ 51.66 ft/hr. Circulate. Mud Wt. 9.5# Vis 33. TOOH. LD 8" Directional Tools. PU & Run 9 5/8" J-55 36# ST&C Csg. Landed 9 5/8 Csg @ 2295.21' KB. Cement w/Pro Petro Lead Cmt 170 bbls 250 sks, Tail Cmt 41 bbls 200 sks, Displace w/171 bbls, Cmt Returns 43 bbls. Cmt Stayed To Surface. ND Surface Stack. NU BOP's.

=====  
Riverbend Unit 20-14E  
=====

1/17/2009

BOP Test 3000 psi. High 1500 psi Low. Install Wear Bushing. PU Directional Tools. TIH to 2206' KB. Drld Cmt & Float equipment f/2206' to 2326' KB. Drld Rotating & Sliding f/2326' to 2926' KB. Drld 600' for 12 hrs @ 50.00 ft/hr. Mud Wt. 9.4 Vis 43. Last Deviation Survey 2874' KB 15.39 Degrees 42.24 Az. Drilling Ahead f/2926' KB.  
BOP Test 3000 psi. High 1500 psi Low. Install Wear Bushing. PU Directional Tools. TIH to 2206' KB. Drld Cmt & Float equipment f/2206' to 2326' KB. Drld Rotating & Sliding f/2326' to 2926' KB. Drld 600' for 12 hrs @ 50.00 ft/hr. Mud Wt. 9.4 Vis 43. Last Deviation Survey 2874' KB 15.39 Degrees 42.24 Az. Drilling Ahead f/2926' KB.

=====  
Riverbend Unit 20-14E  
=====

1/18/2009

Drld Rotating & Sliding f/2926' to 3805' KB. Drld 879' for 23.50 hrs @ 37.40 ft/hr. Mud Wt. 9.4 Vis 40. Last Deviation Survey 3732' KB 14.68 Incl 42.14 Az. Drilling Ahead Rotating & Sliding f/3805' KB.  
Drld Rotating & Sliding f/2926' to 3805' KB. Drld 879' for 23.50 hrs @ 37.40 ft/hr. Mud Wt. 9.4 Vis 40. Last Deviation Survey 3732' KB 14.68 Incl 42.14 Az. Drilling Ahead Rotating & Sliding f/3805' KB.  
DWC: \$96,960.23 CWC: \$405,862.21

EXECUTIVE SUMMARY REPORT

1/1/2009 - 1/31/2009  
Report run on 2/4/2009 at 4:07 PM

1/19/2009 ----- Riverbend Unit 20-14E -----  
Drld Rotating & Sliding f/3805' to 4451' KB. Drld 646' for 14.50 hrs @ 44.55 ft/hr. Circulate. TOOH LD Directional Tools & Bit. PU Mud Motor & 7 7/8" Bit. TIH. Drill f/4451' to 4475' KB. Drld 24' for 1 hr @ 24.00 ft/hr. Total Drld 670' for 16.50 hrs @ 40.60 ft/hr. Mud Wt. 9.7 Vis 40. Last Deviation Survey 4398' KB 0.70 Incl 9.99 Az. Drilling Ahead f/4475' KB. Drld Rotating & Sliding f/3805' to 4451' KB. Drld 646' for 14.50 hrs @ 44.55 ft/hr. Circulate. TOOH LD Directional Tools & Bit. PU Mud Motor & 7 7/8" Bit. TIH. Drill f/4451' to 4475' KB. Drld 24' for 1 hr @ 24.00 ft/hr. Total Drld 670' for 16.50 hrs @ 40.60 ft/hr. Mud Wt. 9.7 Vis 40. Last Deviation Survey 4398' KB 0.70 Incl 9.99 Az. Drilling Ahead f/4475' KB.

1/20/2009 ----- Riverbend Unit 20-14E -----  
Drld f/4475' to 5650' KB. Drld 1175' for 23.00 hrs @ 51.08 ft/hr. Mud Wt. 9.7 Vis 34. Last Deviation Survey 4824' KB 1.50 Degrees. Drilling Ahead f/5650' KB. Drld f/4475' to 5650' KB. Drld 1175' for 23.00 hrs @ 51.08 ft/hr. Mud Wt. 9.7 Vis 34. Last Deviation Survey 4824' KB 1.50 Degrees. Drilling Ahead f/5650' KB.

1/21/2009 ----- Riverbend Unit 20-14E -----  
Drld f/5650' to 6487' KB. Drld 837' for 22.50 hrs @ 37.20 ft/hr. Mud Wt. 9.6 Vis 37. Last Deviation Survey 6313' KB 3.50 Degrees. Drilling Ahead f/6487' KB. Drld f/5650' to 6487' KB. Drld 837' for 22.50 hrs @ 37.20 ft/hr. Mud Wt. 9.6 Vis 37. Last Deviation Survey 6313' KB 3.50 Degrees. Drilling Ahead f/6487' KB.

1/22/2009 ----- Riverbend Unit 20-14E -----  
Drlg F/5650' - T/6487' Drlg 837' for 22.5 hrs @ 37.2 fph/ w/9.7 Wt - 37 Vis/ Last Survey @ 6313' KB 3.5 deg//CO: Drlg @ 6487' KB  
CO: Drlg @ 7091' w/ROP of 45+ fph (Avg per the last 3 hrs of Drlg time) Drlg 604' Last 24 hrs (Avg 25 fph) w/38 Vis - 9.6 Wt & 10.5 WL/Tripped Bit # 3 ROP Slowed way down, Bit was balled up, very little drag on Trip (Last Survey @ 6821' 2.25\*) //PC @ 1800 hrs on 1/21/09 & 0600 hrs on 1/22/09 ( No Leaks Structure & Cap Good ) man

1/23/2009 ----- Riverbend Unit 20-14E -----  
Drlg F/6487' - T/7091' Drlg 604' for 16.5 hrs @ 36.6 fph/ Tripped Bit #3 ROP Slowed way down, Bit was balled up very little drag on Trip// CO: Drlg @ 7091' KB  
CO: Drlg @ 7813' w/40 Vis - 9.8 Wt - 10.2 WL/ ROP Avg Last 24hrs 30.3 fph Tot. Ftg Drlg in 24hrs (722')/ Last Survey @ 6821' (2.25\*) Next Survey is @ 7900' (Survey's are 79' off Btm) 45' Kelly & 33' Mud Mtr//Had a good Drlg Break @ 7734' (415 units)//PC @ 1800hrs on 1/22/09 & 0600hrs on 1/23/09 ( No Leaks Structure & Cap Good ) man

1/24/2009 ----- Riverbend Unit 20-14E -----  
Drlg F/7091' - T/7813' Drlg 722' for 23.5 hrs @ 30.7 fph/ w/9.8 Wt - 40 Vis - 10.2 WL/ Last Survey @ 6821' 2.25 deg//CO: Drlg @ 7813' KB  
CO: Wash & Reaming to Btm Tag @ 8115' 28' of Fill (Drlg F/7813' - T/8143') Drlg 330' for 13.5 hrs @ 26.5 fph/ w/9.8 Wt - 39 Vis - 10.2 WL/ Last Survey @ 7860' 1.5 deg/ Tripped for Bit #5 & X/O Mud Mtr/ ROP Slowed way down to below 20' per/hr//PC @ 1800hrs on 1/23/09 & 0600hrs on 1/24/09 ( No Leaks Structure & Cap Good ) man

----- Riverbend Unit 20-14E -----

EXECUTIVE SUMMARY REPORT

1/1/2009 - 1/31/2009  
Report run on 2/4/2009 at 4:07 PM

1/25/2009 Washing & Reaming 28' of Fill to Btm/ 40 Vis - 9.9 Wt - 11 WL//Tripped for Bit # 5 & Just Getting back on Btm/ Tag @ 8115' Btm is 8143'/ Last Survey @ 7860' 1.5 deg//CO: Wash & Ream to Btm  
CO: Drlg @ 8864' w/45 Vis - 10.0 Wt - 10.2 WL/Drlg 721' in 23.50hrs with Avg of 30' per/hr/ Last Survey @ 7860' 1.5 deg//PC @ 1800hr on 1/24/09 & 0600 hrs on 1/25/09 ( No Leaks Structure & Cap Good) man

=====  
1/26/2009 Drlg F/8143' - T/8864' Drlg 721' for 23.5 hrs @ 30.6 fph/Vis 45 - Wt 10.0 - WL 10.2/Last Survey @ 7860' 1.5 deg//CO: Drlg @ 8864' KB  
CO: L/D DP & BHA to Run 5.5" Prod Csg/TD @ 0730hrs w/47 Vis - 10.0 Wt - 7.0 WL/Last Survey @ 8820' 2.00 deg (Dropped @ TD)//PC @ 1800hrs on 1/25/09 & 0600hrs on 1/26/09 ( No Leaks Structure & Cap Good ) man

=====  
1/27/2009 CO: Rig Down Prep to Move//Ran 199 Jts of 5.5" 17# L80 Prod Csg Set @ 8850' KB (Ret 7- Full Jts & 1- 22' er)//Cmt w/Pro Petro 250 sks of Lead & 660 sks of Tail (High Fill) of 65/35/6//PC @ 1800hrs on 1/26/09 & 0600hrs on 1/27/09 (No Leaks Structure & Cap Good) man

=====  
1/30/2009 Cont rpt for AFE # 717123 to D & C WA/MV fr/1-27-09 to 1-30-09. MIRU Perfolog WLU. RIH w/ 4.65"OD GR & tgd @ 8,740' FS. POH w/ tls. RIH w/GR/CCL/CBL logging tls. Tgd @ 8,740' FS. MIRU B&C Quick test. Run CBL under 750 psig fr/8,740' to 750'. Log indic gd cmt bond fr/8,740' to 1,430', fr cmt fr/1,430' to 1,240' & pr cmt fr/1,240' to top of cmt @ 1,000'. Bd csg. POH & LD logging tls. RDMO WLU. PT csg, WH & frac vlv to 2500 psig for 30" & 5000 psig for 10". Tst gd. Rlsd press. RDMO Quick Test. SWI. Susp rpts to further activity.

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>			5. LEASE DESIGNATION AND SERIAL NUMBER: <b>U-013792</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>N/A</b>
			7. UNIT or CA AGREEMENT NAME: <b>RIVERBEND UNIT</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			8. WELL NAME and NUMBER: <b>RBU 20-14E</b>
2. NAME OF OPERATOR: <b>XTO ENERGY INC.</b>			9. API NUMBER: <b>4304738598</b>
3. ADDRESS OF OPERATOR: <b>382 CR 3100</b> CITY <b>AZTEC</b> STATE <b>NM</b> ZIP <b>87410</b>		PHONE NUMBER: <b>(505) 333-3100</b>	10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1821' FNL x 532' FEL</b>			COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 15 10S 19E S</b>			STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: <b>1/31/2009</b>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>February 09</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<b>MONTHLY REPORT</b>

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

XTO Energy Inc. has nothing to report on this well for the period of 2/1/2009 thru 2/28/2009

NAME (PLEASE PRINT) <b>EDEN FINE</b>	TITLE <b>REGULATORY CLERK</b>
SIGNATURE	DATE <b>3/3/2009</b>

(This space for State use only)

**RECEIVED**  
**MAR 09 2009**

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APR 06 2009

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

FORM 9

REGULATORY COMPLIANCE

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
U-013792

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
N/A

7. UNIT or CA AGREEMENT NAME:  
RIVERBEND UNIT

8. WELL NAME and NUMBER:  
RBU 20-14E

9. API NUMBER:  
4304738598

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
XTO ENERGY INC.

3. ADDRESS OF OPERATOR:  
382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER:  
(505) 333-3100

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1821' FNL x 532' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 15 10S 19E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>March 09</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>MONTHLY REPORT</u>

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

XTO Energy Inc. has nothing to report on this well for the period of 3/1/2009 thru 3/31/2009

NAME (PLEASE PRINT) EDEN FINE

TITLE REGULATORY CLERK

SIGNATURE *[Signature]*

DATE 4/3/2009

(This space for State use only)

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APR 28 2009  
DIV. OF OIL, GAS & MINING

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>U-013792</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>N/A</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: <b>RIVERBEND UNIT</b>
2. NAME OF OPERATOR: <b>XTO ENERGY INC.</b>		8. WELL NAME and NUMBER: <b>RBU 20-14E</b>
3. ADDRESS OF OPERATOR: <b>382 CR 3100</b> CITY <b>AZTEC</b> STATE <b>NM</b> ZIP <b>87410</b>		9. API NUMBER: <b>4304738598</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1821' FNL x 532' FEL</b>		10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 15 10S 19E S</b>		COUNTY: <b>UINTAH</b>
		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <b>APRIL 09</b> <b>MONTHLY REPORT</b>

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

XTO Energy Inc. has nothing to report on this well for the period of 4/1/2009 thru 4/30/2009

NAME (PLEASE PRINT) <b>KELLY K. SMALL</b>	TITLE <b>REGULATORY COMPLIANCE TECH</b>
SIGNATURE <i>Kelly Small</i>	DATE <b>5/5/2009</b>

(This space for State use only)

**RECEIVED**  
**MAY 12 2009**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**DOGM COPY**  
FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>U-013792</b>
2. Name of Operator <b>XTO Energy Inc.</b>		6. If Indian, Allottee or Tribe Name <b>N/A</b>
3a. Address <b>382 CR 3100 Aztec, NM 87410</b>	3b. Phone No. (include area code) <b>505-333-3100</b>	7. If Unit or CA/Agreement, Name and/or No. <b>RIVERBEND UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1821' FNL &amp; 532' FEL SENE SEC 15-T10S-R19E</b> <b>1093' FNL &amp; 116' FWL NWNW SEC 14-T10S-R19E</b>		8. Well Name and No. <b>REU 20-14E</b>
		9. API Well No. <b>43-047-38598</b>
		10. Field and Pool, or Exploratory Area <b>NATURAL BUTTES</b> <b>WASATCH-MESAVERDE</b>
		11. County or Parish, State <b>UTAH</b> <span style="float: right;"><b>UTAH</b></span>

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>1ST DELIVERY</b>	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy Inc. first delivered this well to Questar Gas Management @ 1000 hours on Monday, 6/1/2009.

IFR 1.0 MMCFPD.

XTO Allocation Meter #RS1668RF.

**RECEIVED**

**JUN 01 2009**

**DIV OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>BARBARA A. NICOL</b>		Title <b>REGULATORY CLERK</b>
Signature <i>Barbara A. Nicol</i>		Date <b>6/2/2009</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**DOGM COPY**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

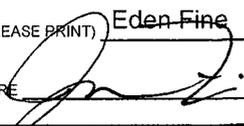
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-013792
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1821' FNL x 532' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 15 10S 19E S		8. WELL NAME and NUMBER: RBU 20-14E
PHONE NUMBER: (505) 333-3100		9. API NUMBER: 4304738598
		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
		COUNTY: UINTAH
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 5/31/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: <u>May 09</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<b>MONTHLY REPORT</b>

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

See attached for XTO Energy's report on this well for the period of 5/1/2009 thru 5/31/2009

NAME (PLEASE PRINT) <u>Eden Fine</u>	TITLE <u>REGULATORY COMPLIANCE TECH</u>
SIGNATURE 	DATE <u>6/2/2009</u>

(This space for State use only)

**RECEIVED**  
**JUN 08 2009**

**EXECUTIVE SUMMARY REPORT**

5/1/2009 - 5/31/2009  
Report run on 6/2/2009 at 2:01 PM

**Riverbend Unit 20-14E**

Section 15-10S-19E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well

Date First Report: 1/12/2009

Method of Production: Flowing

5/20/2009 SICIP 0 psig. MIRU Key Energy #6013. Observe & Bd well. ND frac vlv. NU BOP/Hydrill. PU & TIH w/4.75" bit, BRS, SN & 168 jts 2-3/8", 4.7#, L-80, EUE, 8rd tbg. Pmp 30 bbls 2% KCl wtr & flshd tbg. SWI & SDFN. 4265 BLWTR MIRU

=====  
5/21/2009 SITP 0 psig. SICIP 0 psig. RU pwr swvl . Estb circ w/trtd 2% KCl wtr. DO CBP @ 5500'. Contd TIH, tgd 65' sd @ 5955'. CO to CBP @ 6020'. DO CBP @ 6020'. Contd TIH w/tbg, tgd 45' sd @ 6275'. CO to CBP @ 6320'. DO CBP @ 6320'. Unable to circ w/2% wtr. Wtr loss is 55% of ppd vol. TOH to top perf @ 5600'. WO AFU. MIRU AFU. TIH w/tbg. TIH tgd 650' sd @ 7440'. CO to 7700'. Circ cln 1hrs. RD pwr swivel & AFU. TOH w/50 jts tbg. EOT @ 6100'. OWU to test tnk on 24/64" ck. Turn well over to flw tstrs. SDFN. 372 blwr & 4221 BLWTR. CO to 7700'

=====  
5/22/2009 FCP 500 psig on 32/64 ck. F. 0 BO, 98 BW, 12 hrs. TIH w/ 50 jt's tbg. RU pwr swvl . Estb circ w/AFU. DO sd @ 7700' to 8090'. DO CBP @ 8090'. Contd TIH, tgd 282' sd @ 8520'. CO to PBDT @ 8802' Circ well cln & RD pwr swivel. TOH w/9 jts 2-3/8" tbg. Ld prod tbg in hgr as follows: 259 jts 2-3/8", 4.7#, L-80 EUE, tbg, 2-3/8" SN & BRS w/WL entry guide. ND BOP. NU prod tree. SN @ 8502'. EOT @ 8503'. RU swb tls & RIH w/1.91" tbg broach to SN @ 8496'. WA/MV perms fr/5614-8665. PBDT @ 8802'. POH w/broach. No ti spots. Ld broach. RU pmp. Dropd ball & ppd off bit sub @ 2300 psig. KWO flwg @ 18:00 Flw well to test tnk on 64/64 ck 2 hrs. FTP 350 psig, SICIP 1475 psig. . Turned well over to flw testers LND TBG / KWO

=====  
5/23/2009 FTP 500, SICIP 1175 psig. F. 0 BO, 134 BW, FTP 500 - 950 psig, 18/64" ck. 24 hrs. 4559 BLWTR. Flow test  
DWC: \$2,450.00 CWC: \$1,886,560.70

Fluid Type	Fluid Summary			
	From Well	To Well	From Lease	To Lease
Completions Fluid	134	0	0	0

=====  
5/24/2009 FTP 950, SICIP 1100 psig. FTP 950-900 psig. F. 0 BO, 68 BLW, 0 BO. 18/64" ck. 24 hrs. 4491 BLWTR. Gas analysis 8% N2  
Flow test

=====  
5/25/2009 FTP 900 psig, SICIP 1075 psig. F. 0 BO, 56 BLW, FTP 900 - 850 psig. 18/64" ck. 24 hrs. 4435 BLWTR.  
Flow test

=====  
5/26/2009 Riverbend Unit 20-14E  
Flowing back to test tnk.. 18/64" ck. SICIP 1075 psig. FTP 850-825 psig. F. 23 BW, 0 BO. 12 hrs. 4412 BLWTR. SWI @ 5/26/2009 06:00 hrs. WAIT ON SURFACE EQUIPMENT. RDMOSU.  
RDMOSU

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff.Resvr.,  
 Other \_\_\_\_\_

2. Name of Operator  
**XTO Energy Inc.**  
 3. Address **382 CR 3100 Aztec, NM 87410** 3a. Phone No. (include area code) **505-333-3100**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **1,821' FNL & 532' FEL per HSM review**  
 At top prod. interval reported below  
 At total depth **1,093' FNL & 116' FWL NWNW SEC 14**

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JUN 09 2009**

**DIV OF OIL GAS & MINING**

14. Date Spudded **12/15/2008** 15. Date T.D. Reached **1/26/2009** 16. Date Completed  D & A  Ready to Prod. **6/1/2009**

18. Total Depth: MD **8,900'** TVD **8778** 19. Plug Back T.D.: MD **8,802'** TVD **8680** 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL/GR/CCL; CP/GR; DS; TDL/CN; RP-HRLA/GR; HRLA/GR; HRLA/CN/L**  
 22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run  No  Yes (Submit report)  
 Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No.of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14/A252A	36.75#	0	64'		63/Redimix		SURF	
12-1/4"	9.6/J-55	36#	0	2,295'		450/Prem		SURF	
7-7/8"	5.5/L-80	17#	0	8,850'		250/Hi Fill		1,000'	
"	"	"	"	"		660/G		"	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	8,503'							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH-MESAVERDE	5,614'	8,665'	5,614' - 8,665'	0.36"	239	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5,614' - 8,665'	A. w/10,100 gals of 7-1/2% NEFE HCL acid. Frac'd w/193,116 gals 55Q-70Q N2 foam gelled 2% KCl wtr + additives (Turquoise Foam Frac) carrying 246,819# 20/40 SLC sd & 143,297# 20/40 Ottawa sd.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/1/2009	6/2/2009	24	→	8	1,198	37			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
38/64"	816	1,005	→	8	1,198	37		PRODUCING	

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

28b. Production - Interval C

Y400 M000

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

TO BE SOLD

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	1,369
				MAHOGENY BENCH	2,176
				WASATCH TONGUE	4,398
				UTELAND LIMESTONE	4,766
				WASATCH	4,929
				CHAPITA WELLS	5,766
				UTELAND BUTTE	7,144
				MESAVERDE	7,986

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd)    
  Geologic Report    
  DST Report    
  Directional Survey  
 Sundry Notice for plugging and cement verification    
  Core Analysis    
  Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) BARBARA A. NICOL

Title REGULATORY CLERK

Signature Barbara A. Nicol

Date 6/4/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Y400 M000

**DIRECTIONAL SURVEY REPORT**

**XTO ENERGY**

**RBU 20 - 14E**

**UINTAH COUNTY, UT**

**PREPARED BY: Matt Loucks**

January 20, 2009

**XTO ENERGY**  
2700 Farmington Ave Bldg K, Suite 1  
Farmington , NM 87401

**Attn: Justin Niederhofer**

**RE: XTO ENERGY**  
**RBU 20-14E**  
**Uintah Co., UT**  
**RIG: Frontier 6**  
**FILENAME: 101008192-WY-WY**

**Dear Sir:**

**We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was ran.**

**SURVEY DATA**

- 1 - Original survey report and plot**
- 2 - Survey report copies and plots**

**We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (307) 265-3145.**

**Sincerely,**

**Matt Loucks**  
**MWD Coordinator**  
**PathFinder Energy Services**

**DIRECTIONAL SURVEY COMPANY REPORT:**

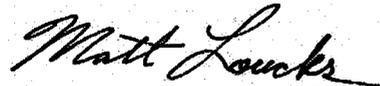
1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
  - A. Rich Lovelace
  - B. Mark Snyder
3. POSITION OF SAID PERSON(S): (A & B) SURVEYOR FIELD ENGINEER(s).
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 1-12-09 TO 1-18-09
5. STATE IN WHICH SURVEY WAS PERFORMED: ONSHORE, UTAH
6. LOCATION OF WELL: UINTAH CO., UT
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

XTO ENERGY

RBU 20-14E

Uintah Co., UT

RIG: Frontier 6
9. SURVEY CERTIFIED FROM: 160 TO 4,398 FEET MEASURED DEPTH.
10. THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 955.30 FEET ON A BEARING OF 40.39 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT PROJECTED MEASURED DEPTH OF 4,450 FEET ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



---

MATT LOUCKS  
MWD COORDINATOR

# PathFinder Energy Services, Inc.

## Survey Report

XTO ENERGY  
RBU 20-14E  
UINTAH COUNTY, UTAH  
Rig: FRONTIER 6  
PathFinder Office Supervisor: Rich Arnold  
PathFinder Field Engineers: Richard Lovelace  
Mark Snyder

Survey Horiz. Reference: WELLHEAD  
Ref Coordinates: LAT: 39.57.15.5700 N LON: 109.46.22.4400 W  
GRID Reference: NAD83 utah central Lambert  
Ref GRID Coord: X: 2124530.4140 Y: 7156760.6946  
North Aligned To: TRUE NORTH  
Total Magnetic Correction: 11.48° EAST TO TRUE  
Vertical Section Plane: 39.82  
Survey Vert. Reference: 25.00' Kelly Bushing To Ground  
Altitude: 5142.00' Ground To MSL

Survey Calculations by PathCalc v1.99 using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist (ft)	Dir (deg)	DLS (dg/100ft)
TIE-IN TO SURFACE.										
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00@	0.00	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
160.00	2.99	7.26	159.93	160.00	3.52	4.14 N	0.53 E	4.17@	7.26	1.87
212.00	3.61	2.96	211.84	52.00	5.97	7.12 N	0.78 E	7.16@	6.28	1.28
273.00	4.31	8.05	272.70	61.00	9.46	11.31 N	1.20 E	11.37@	6.08	1.28
332.00	4.13	25.19	331.54	59.00	13.40	15.43 N	2.42 E	15.61@	8.91	2.15
393.00	4.48	35.03	392.37	61.00	17.90	19.36 N	4.72 E	19.93@	13.70	1.34
455.00	5.98	46.28	454.11	62.00	23.52	23.58 N	8.45 E	25.05@	19.71	2.92
516.00	7.30	36.62	514.70	61.00	30.55	28.89 N	13.05 E	31.70@	24.32	2.83
576.00	8.53	43.74	574.13	60.00	38.79	35.16 N	18.40 E	39.69@	27.63	2.62
668.00	10.02	41.54	664.92	92.00	53.60	46.08 N	28.43 E	54.15@	31.67	1.66
759.00	11.17	41.54	754.37	91.00	70.32	58.61 N	39.53 E	70.69@	34.00	1.26
850.00	12.13	41.80	843.49	91.00	88.69	72.33 N	51.74 E	88.93@	35.58	1.06
911.00	12.75	41.27	903.06	61.00	101.82	82.17 N	60.46 E	102.01@	36.34	1.03
972.00	13.98	41.27	962.41	61.00	115.92	92.77 N	69.76 E	116.07@	36.94	2.02
1066.00	15.21	40.13	1053.37	94.00	139.60	110.73 N	85.19 E	139.71@	37.57	1.34
1162.00	14.33	39.17	1146.20	96.00	164.08	129.57 N	100.81 E	164.17@	37.89	0.95
1257.00	16.27	40.48	1237.83	95.00	189.14	148.81 N	116.88 E	189.22@	38.15	2.07
1352.00	17.41	40.84	1328.75	95.00	216.66	169.68 N	134.81 E	216.72@	38.47	1.21
1447.00	18.47	42.07	1419.13	95.00	245.91	191.61 N	154.19 E	245.94@	38.82	1.18
1511.00	18.82	42.86	1479.78	64.00	266.35	206.70 N	168.01 E	266.37@	39.10	0.67
1575.00	18.20	43.12	1540.46	64.00	286.63	221.56 N	181.86 E	286.64@	39.38	0.98
1638.00	17.24	42.86	1600.47	63.00	305.78	235.59 N	194.94 E	305.78@	39.61	1.53
1701.00	17.06	42.24	1660.67	63.00	324.33	249.27 N	207.50 E	324.33@	39.77	0.41
1765.00	16.71	41.89	1721.91	64.00	342.91	263.07 N	219.95 E	342.91@	39.90	0.57
1828.00	16.36	42.15	1782.31	63.00	360.82	276.39 N	231.96 E	360.83@	40.00	0.57

# PathFinder Energy Services, Inc.

## Survey Report

XTO ENERGY  
 RBU 20-14E  
 UINTAH COUNTY, UTAH  
 RIG:FRONTIER 6

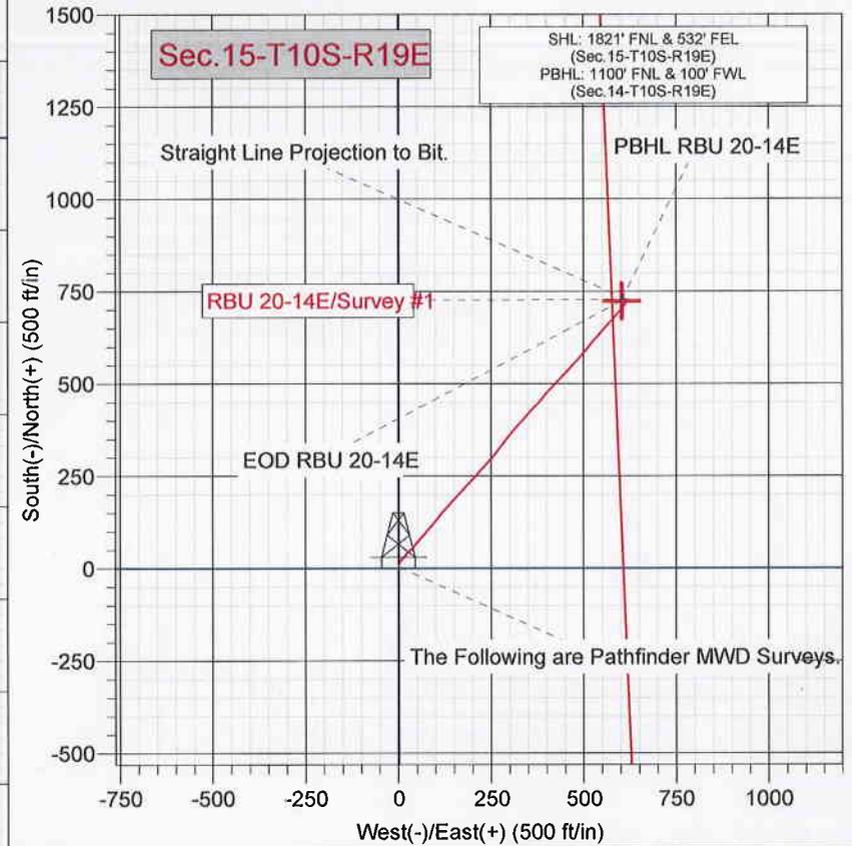
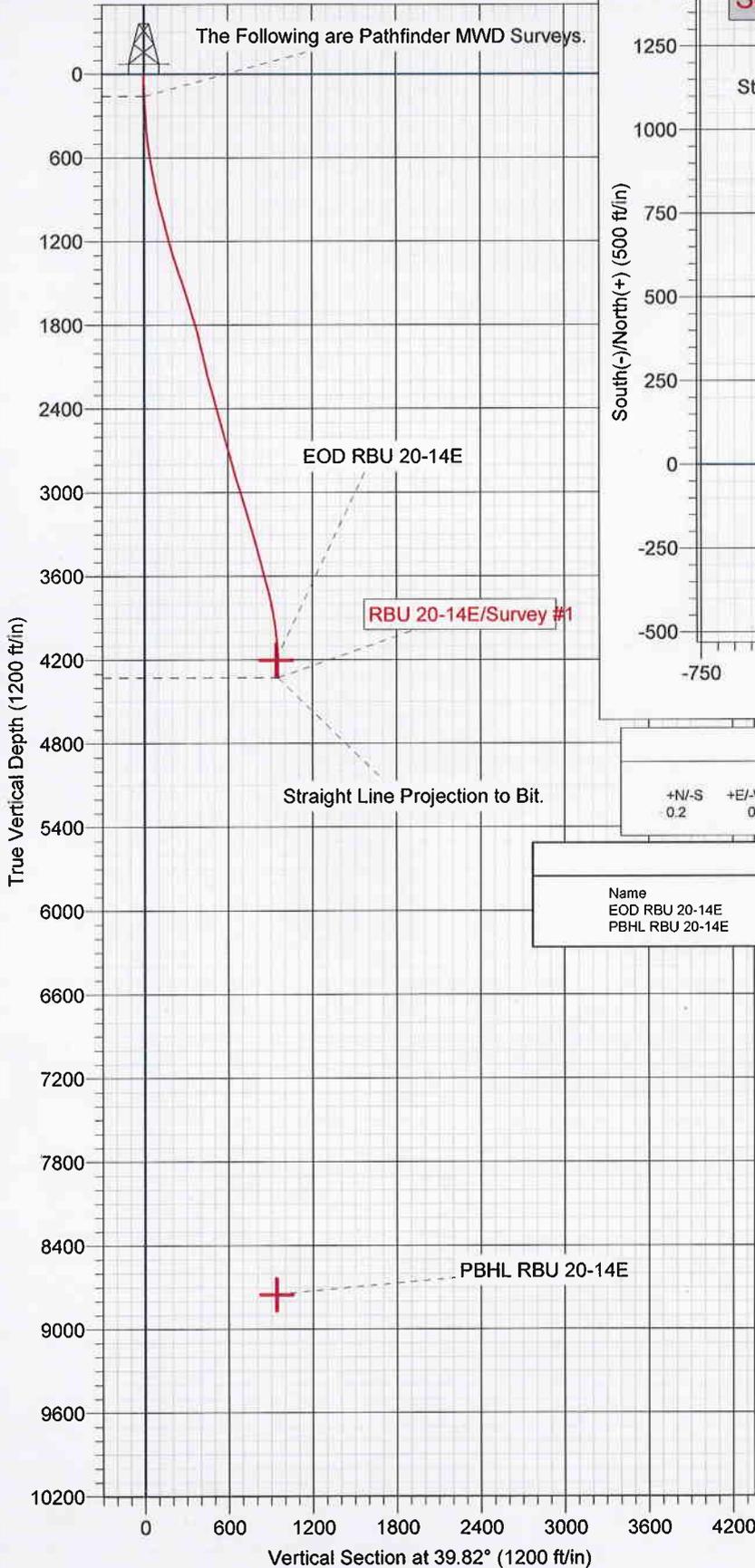
Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS (dg/100ft)
						(ft)	(ft)	(ft)	(deg)	
1892.00	14.86	40.22	1843.95	64.00	378.04	289.34 N	243.30 E	378.04@	40.06	2.48
1955.00	13.81	38.81	1904.98	63.00	393.63	301.37 N	253.23 E	393.64@	40.04	1.76
2019.00	13.01	39.17	1967.24	64.00	408.48	312.91 N	262.57 E	408.48@	40.00	1.26
2083.00	12.40	38.46	2029.67	64.00	422.55	323.87 N	271.39 E	422.55@	39.96	0.98
2147.00	12.93	37.41	2092.11	64.00	436.57	334.94 N	280.02 E	436.57@	39.90	0.90
2210.00	13.54	37.58	2153.44	63.00	450.98	346.38 N	288.80 E	450.98@	39.82	0.97
2273.00	14.51	39.43	2214.56	63.00	466.25	358.32 N	298.31 E	466.25@	39.78	1.70
2366.00	15.74	40.57	2304.34	93.00	490.51	376.91 N	313.91 E	490.51@	39.79	1.36
2429.00	15.12	40.04	2365.07	63.00	507.27	389.69 N	324.76 E	507.27@	39.81	1.01
2492.00	15.48	42.42	2425.84	63.00	523.89	402.19 N	335.71 E	523.89@	39.85	1.15
2556.00	15.74	42.68	2487.48	64.00	541.09	414.87 N	347.36 E	541.09@	39.94	0.42
2619.00	15.83	42.59	2548.10	63.00	558.21	427.48 N	358.97 E	558.21@	40.02	0.15
2683.00	15.56	42.15	2609.71	64.00	575.50	440.27 N	370.64 E	575.51@	40.09	0.46
2746.00	15.04	40.48	2670.48	63.00	592.12	452.75 N	381.61 E	592.13@	40.13	1.08
2810.00	14.77	41.10	2732.33	64.00	608.58	465.22 N	392.37 E	608.59@	40.14	0.49
2874.00	15.39	42.24	2794.12	64.00	625.22	477.65 N	403.44 E	625.23@	40.19	1.07
2938.00	16.36	41.54	2855.68	64.00	642.71	490.69 N	415.13 E	642.73@	40.23	1.54
3001.00	17.50	43.38	2915.95	63.00	661.04	504.21 N	427.52 E	661.06@	40.29	2.00
3064.00	17.41	43.82	2976.05	63.00	679.89	517.90 N	440.55 E	679.93@	40.39	0.25
3128.00	17.15	42.86	3037.16	64.00	698.87	531.72 N	453.59 E	698.91@	40.47	0.60
3224.00	16.97	42.68	3128.94	96.00	726.99	552.40 N	472.72 E	727.05@	40.56	0.20
3287.00	16.53	41.19	3189.26	63.00	745.14	565.90 N	484.85 E	745.20@	40.59	0.98
3350.00	15.74	39.43	3249.78	63.00	762.64	579.24 N	496.18 E	762.71@	40.58	1.47
3477.00	15.04	39.52	3372.23	127.00	796.34	605.26 N	517.61 E	796.41@	40.54	0.55
3541.00	14.86	40.48	3434.06	64.00	812.85	617.91 N	528.22 E	812.91@	40.53	0.48
3605.00	15.21	41.45	3495.87	64.00	829.45	630.44 N	539.11 E	829.52@	40.53	0.67
3668.00	15.21	42.07	3556.66	63.00	845.97	642.77 N	550.12 E	846.04@	40.56	0.26
3732.00	14.68	42.15	3618.50	64.00	862.46	655.02 N	561.18 E	862.54@	40.59	0.83
3826.00	13.98	42.68	3709.57	94.00	885.70	672.20 N	576.87 E	885.79@	40.64	0.76

# PathFinder Energy Services, Inc.

## Survey Report

XTO ENERGY  
 RBU 20-14E  
 UINTAH COUNTY, UTAH  
 RIG:FRONTIER 6

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL		Closure		DLS (dg/100ft)
						Rectangular (ft)	Offsets (ft)	Dist (ft)	Dir (deg)	
3890.00	12.66	41.36	3771.85	64.00	900.44	683.14 N	586.75 E	900.53@	40.66	2.12
3954.00	10.99	39.96	3834.49	64.00	913.55	693.08 N	595.30 E	913.65@	40.66	2.65
4018.00	9.41	38.20	3897.48	64.00	924.88	701.87 N	602.46 E	924.97@	40.64	2.52
4113.00	6.95	34.77	3991.50	95.00	938.37	712.70 N	610.54 E	938.45@	40.59	2.64
4177.00	5.19	31.43	4055.14	64.00	945.09	718.35 N	614.26 E	945.16@	40.53	2.80
4272.00	2.73	28.00	4149.91	95.00	951.56	724.01 N	617.56 E	951.62@	40.46	2.60
4336.00	1.32	22.47	4213.87	64.00	953.75	726.04 N	618.56 E	953.81@	40.43	2.22
4368.00	0.88	18.07	4245.86	32.00	954.33	726.62 N	618.77 E	954.38@	40.42	1.40
4398.00	0.70	9.99	4275.86	30.00	954.71	727.01 N	618.88 E	954.76@	40.41	0.70
STRAIGHT-LINE PROJECTION TO BIT.										
4450.00	0.70	9.99	4327.85	52.00	955.26	727.64 N	618.99 E	955.30@	40.39	0.00



WELL DETAILS: RBU 20-14E

+N/-S	+E/-W	Northing	Ground Level Easting	5142.0	Latitude	Longitude	Slot
-0.2	0.0	7156760.69	2124530.41	5142.0	39° 57' 15.570 N	109° 46' 22.440 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape Point
EOD RBU 20-14E	4200.0	723.5	603.1	39° 57' 22.718 N	109° 46' 14.695 W	Point
PBHL RBU 20-14E	8750.0	723.5	603.1	39° 57' 22.718 N	109° 46' 14.695 W	Point

ANNOTATIONS

TVD	MD	Annotation
0.0	0.0	Tie into Surface.
159.9	160.0	The Following are Pathfinder MWD Surveys.
4327.9	4450.0	Straight Line Projection to Bit.

Azimuths to True North  
 Magnetic North: 11.48°

Magnetic Field  
 Strength: 52533.8snT  
 Dip Angle: 65.85°  
 Date: 1/5/2009  
 Model: IGRF200510

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-013792
---	---

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
--	--

<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> RBU 20-14E
------------------------------------	---

<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047385980000
---	---

<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
--	--	--

<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1821 FNL 0532 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 15 Township: 10.0S Range: 19.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
---	---

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/8/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: PWOPL

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 XTO Energy Inc. has put this well on a plunger lift per the attached summary report.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 June 15, 2010

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/9/2010

EXECUTIVE SUMMARY REPORT

5/1/2010 - 6/9/2010  
Report run on 6/9/2010 at 10:48 AM

Riverbend Unit 20-14E

Section 15-10S-19E, Uintah, Utah, Roosevelt

5/24/2010 MIRU Production Logging Service SLU. SN @ 8502'. PU & RIH w/ 1.625" blind box tls. Tagged fill @ 8795'. POH & LD tls. PU & RIH w/ 1.908" tbg broach. Tls stopped just through well head. POH & LD tbg broach. PU & RIH w/ 1.908" wax knife. Tls stopped 17' FS. POH & LD wax knife. Pld sample from tls for anal. RDMO Production Logging Service. Will run condensate dwn tbg to clear wax. SDFN.

=====  
5/25/2010 MIRU Action Hot Oil Service. Ppd 40 Bbls condensate down tbg to remove paraffin. RDMO hot oiler.

=====  
5/26/2010 MIRU Wildcat Well Service SWU. BD tbg. PU & RIH w/ tbg broach. Measured to SN. No ti spots. Tls stuck in SN when attempted to POH. Sand line parted 100' above tls. RDMO Wildcat Well Service. Will get on rig list. Will flow well until then. Rpts suspended until further activity.

=====  
6/2/2010 MIRU Temples WS rig #1. EOT @ 8502'. WA/MV perfs fr/ 5614' - 8665'. PBSD @ 8802'. Bd well. Ppd dwn csg w/30 bbls TFW & KW. ND WH & NU BOP. TOH w/ 259 jts 2-3/8" 4.7#, N-80, EUE, 8rd tbg, 2-3/8" SN & 1/2 BRS. Tbg showed lt external sc BU fr/ 8146' to EOT @ 8803'. Smpl taken for analysis. Recd 150' of sd ln & swb tls w/ tbg broach in SN. LD swb tls w/ tbg broach. TIH w/ 2-3/8" mule shoe col, 2-3/8" SN & 30 jts 2-3/8" 4.7#, N-80, EUE, 8rd tbg. EOT @ 1000'. Leave csg flwg to sales. SDFN due to rig repairs.

=====  
6/3/2010 Bd well. Contd TIH w/ 229 jt 2-3/8" 4.7#, N-80, EUE, 8rd tbg. EOT @ 8502'. RU & RIH w/ XTO 1.901 tbg broach to SN. No ti spots. POH & LD broach. Drop SV & PT tbg to 1000 psig w/ 28 bbls TFW, 5" Tstd ok. RU & RIH w/ fishing tls on sd ln. Att to retrv SV w/ success. POH & LD fishing tl & SV. Ld tbg hgr. ND BOP & NU WH. Fin equ run: 2-3/8" mule shoe col, 2-3/8" SN & 259 jts 2-3/8" 4.7#, N-80, EUE, 8rd tbg. SN @ 8500'. EOT @ 8502'. WA perfs fr/ 5614' - 7829'. MV perfs fr/ 7966' - 8665'. PBSD @ 8802'. SWI & SDFN.

=====  
6/4/2010 RU & RIH w/swb tls. BFL @ 6600' FS. S, 1 BO, 50 BLW, 14 runs, 7 hrs. Smpl taken. Gray gas cut wtr, tr solids (sc flakes & corr fr/tbg ). FFL @ 6200' FS. (Did not drop BHBS). SICP 325 psig. SWI. RDMO Temples WS rig #1. Rpt suspnd, turn well over to prod dept & SWU. SDFWE.

=====  
6/7/2010 MIRU Wildcat Well Service SWU. SN @ 8500'. FL 7400' FS. Dropd new Ferguson BHBS w/ chck vlv & brush type plngr. Tried to cycle plngr to surf. Unsuccessful. PU & RIH w/ fish tls. POH & LD plngr & tls. S 0 BO, 6 BW. 2 runs, 2 hr. FFL 7400' FS. SITP 0 psig. SICP 400 psig. SDFN.

=====  
6/8/2010 SN @ 8500'. FL 7600' FS. BD tbg. S 0 BO, 5 BW. 4 runs, 3 hr. Dropd plngr. Cycled plngr to surf twice. KO well producing. FFL 7400' FS. SITP 330 psig. SICP 370 psig. RDMO Wildcat Well Service SWU. RWTP @ 3:30 p.m. 6/8/10. Final rpt. Test data to follow.

August 31, 2006

Fluid Minerals Group  
Bureau of Land Management  
Vernal Field Office  
170 South 500 East  
Vernal, Utah 84078

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.  
**RBU 20-14E**

*Surface Location:* 1,821' FNL & 532' FEL, SE/4 NE/4, Section 15  
*Target Location:* 1,100' FNL & 100' FWL, NW/4 NW/4, Section 14  
10S, R19E, SLB&M, Uintah County, Utah

Dear Fluid Minerals Group:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and three copies of the Application for Permit to Drill (APD) for the above referenced BLM administered directional 20-acre in-field well. The location of the surface and target location as well as all points along the intended well bore path are not within 460 feet of the unit boundary or any uncommitted tracts. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats, layouts and photos of the proposed well site;

Exhibit "B" - Proposed location maps with access and utility corridors;

Exhibit "C" - Production site layout;

Exhibit "D" - Drilling Plan;

Exhibit "E" - Surface Use Plan;

Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Dominion's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Carla Christian of Dominion at 405-749-5263 if you have any questions or need additional information.

Sincerely,

*Don Hamilton*  
Don Hamilton  
Agent for Dominion

cc: Diana Whitney, Division of Oil, Gas and Mining  
Carla Christian, Dominion  
Ken Secrest, Dominion

RECEIVED

SEP 05 2006

DIV. OF OIL, GAS & MINING

FILE COPY

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. U-013792
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Dominion Exploration & Production, Inc.		7. If Unit or CA Agreement, Name and No. River Bend Unit
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134		8. Lease Name and Well No. RBU 20-14E
3b. Phone No. (include area code) 405-749-5263		9. API Well No. 43-047-38598
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 1,821' FNL & 532' FEL, SE/4 NE/4, Section 15, At proposed prod. zone 1,100' FNL & 100' FWL, NW/4 NW/4, Section 14,		10. Field and Pool, or Exploratory Natural Buttes
11. Sec., T. R. M. or Blk. and Survey or Area T10S, R19E, SLB&M		12. County or Parish Uintah
14. Distance in miles and direction from nearest town or post office* 10.55 miles southwest of Ouray, Utah		13. State UT
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 532'	16. No. of acres in lease 1,882.20 acres	17. Spacing Unit dedicated to this well 20 acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 19.94'	19. Proposed Depth 8,750' TVD (8,978' MD)	20. BLM/BIA Bond No. on file WY 3322
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,142' GR	22. Approximate date work will start* 03/01/2007	23. Estimated duration 14 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature <i>Don Hamilton</i>	Name (Printed/Typed) Don Hamilton	Date 08/31/2006
Title Agent for Dominion		
Applied by (Signature) <i>Bradley G. Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 09-25-06
Title Office ENVIRONMENTAL MANAGER		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

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Federal Approval of this  
Action is Necessary

RECEIVED

SEP 05 2006

DIV. OF OIL, GAS & MINING

surf

BHL

6058964

44227054

39.949745

-109.760374

606077x

44229284

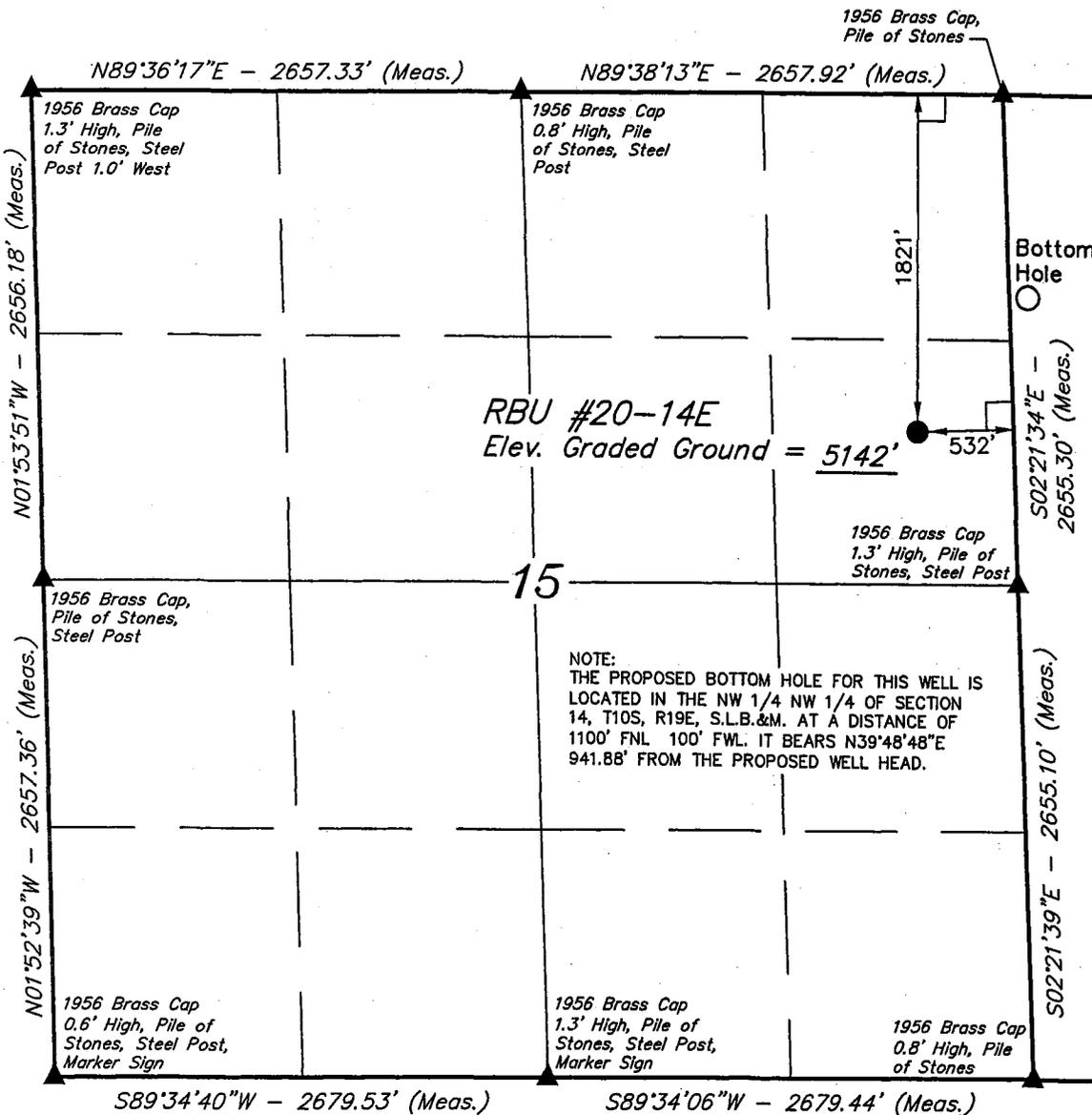
39.951727

-109.758218

T10S, R19E, S.L.B.&M.

DOMINION EXPLR. & PROD., INC.

Well location, RBU #20-14E, located as shown in the SE 1/4 NE 1/4 of Section 15, T10S, R19E, S.L.B.&M., Uintah County, Utah.



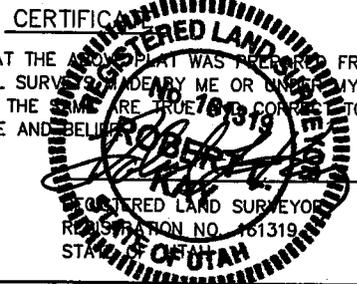
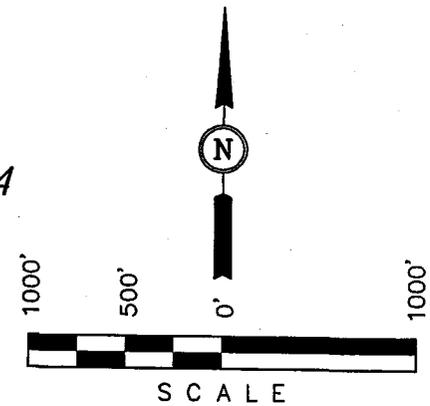
**BASIS OF ELEVATION**

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M., TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

Sec. 14



THIS IS TO CERTIFY THAT THE ABOVE IS A TRUE AND CORRECT COPY FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
 LATITUDE = 39°56'59.03" (39.949731)  
 LONGITUDE = 109°45'40.54" (109.761261)  
 (NAD 27)  
 LATITUDE = 39°56'59.16" (39.949767)  
 LONGITUDE = 109°45'38.03" (109.760564)

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 06-30-06	DATE DRAWN: 07-10-06
PARTY B.B. T.A. P.M.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE DOMINION EXPLR. & PROD., INC.	

# DRILLING PLAN

## APPROVAL OF OPERATIONS

### Attachment for Permit to Drill

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 20-14E  
SHL: 1821' FNL & 532' FEL Section 15-10S-19E  
BHL: 1100' FNL & 100' FWL Section 14-10S-19E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,250'
Uteland Limestone	4,620'
Wasatch	4,780'
Chapita Wells	5,710'
Uteland Buttes	6,960'
Mesaverde	7,850'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,250'	Oil
Uteland Limestone	4,620'	Oil
Wasatch	4,780'	Gas
Chapita Wells	5,710'	Gas
Uteland Buttes	6,960'	Gas
Mesaverde	7,850'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,325'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,750'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed.

The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

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## DRILLING PLAN

### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' - 500'	8.4	Air foam mist, no pressure control
500' - 3,325'	8.6	Fresh water, rotating head and diverter
3,325' - 8,750'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H<sub>2</sub>S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this well will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

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## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

##### a. Surface Cement:

- Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.

##### b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 3,325'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	390	0'-2,825'	10.5 ppg	4.14 CFS	923 CF	1,615 CF
Tail	254	2,825'-3,325'	15.6 ppg	1.2 CFS	174 CF	305 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 4.14 cf/sack      Slurry weight: 10.5 #/gal.  
Water requirement: 26.07 gal/sack  
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.  
Slurry yield: 1.20 cf/sack      Slurry weight: 15.6 #/gal.  
Pump Time: 1 hr. 5 min. @ 110 °F.  
Compressives @ 110 °F: 2,500 psi after 24 hours

##### c. Production Casing Cement:

- Drill 7-7/8" hole to 8,750'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	90	3,980'-4,780'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	790	4,780'-8,750'	13.0 ppg	1.75 CFS	688 CF	1376 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.12 cf/sack      Slurry weight: 11.60 #/gal.  
Water requirement: 17.71 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
Slurry yield: 1.75 cf/sack      Slurry weight: 13.00 #/gal.  
Water requirement: 9.09 gal/sack  
Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: March 1, 2007  
Duration: 14 Days

**CONFIDENTIAL**



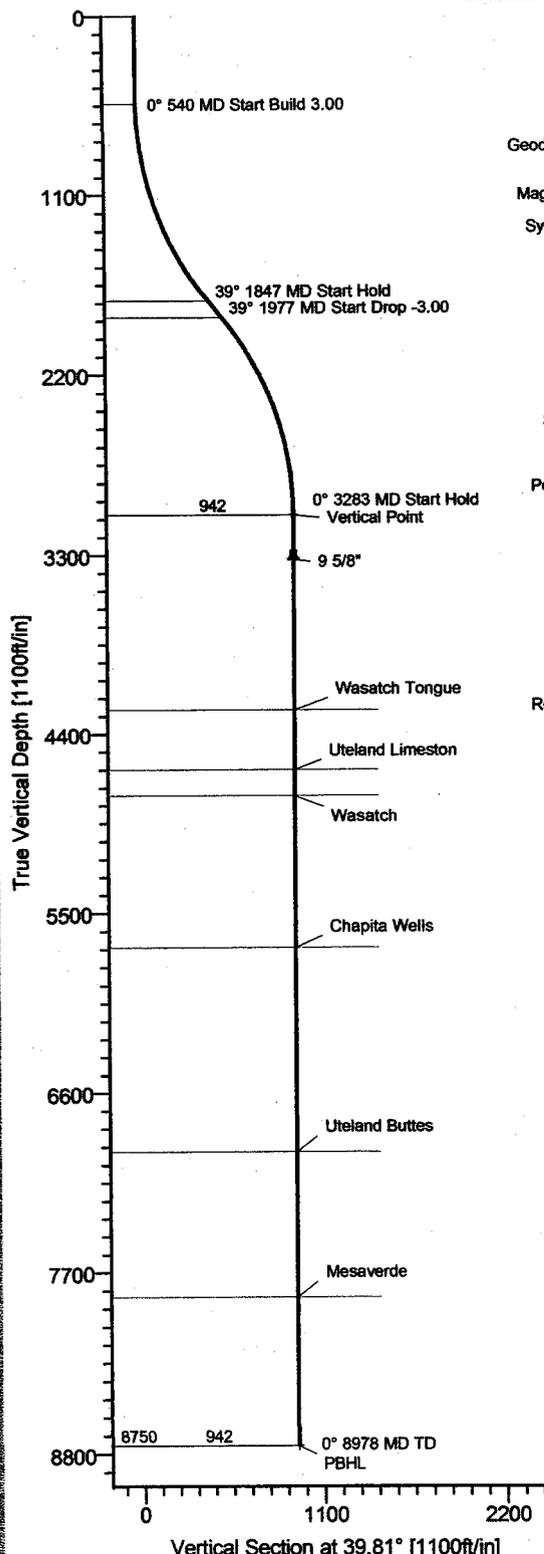
### Dominion Exploration & Production

Field: Uintah County, Utah  
 Site: RBU #20-14E  
 Well: RBU #20-14E  
 Wellpath: Original Hole  
 Plan: Plan #1



Azimuths to Grid North  
 True North: -1.54°  
 Magnetic North: 9.97°

Magnetic Field  
 Strength: 52896nT  
 Dip Angle: 66.03°  
 Date: 8/24/2006  
 Model: igr2005



#### FIELD DETAILS

Uintah County, Utah  
 Utah - Natural Buttes  
 USA

Geodetic System: US State Plane Coordinate System 1983  
 Ellipsoid: GRS 1980  
 Zone: Utah, Central Zone  
 Magnetic Model: igr2005  
 System Datum: Mean Sea Level  
 Local North: Grid North

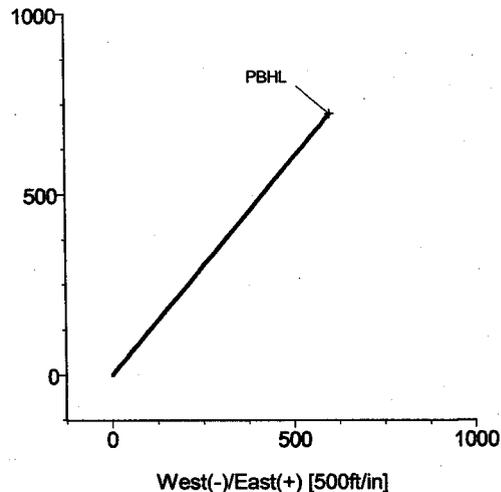
#### SITE DETAILS

RBU #20-14E  
 Uintah/Utah  
 Section 15: 10S- 19E  
 Site Centre Latitude: 39°56'59.030N  
 Longitude: 109°05'40.540W  
 Ground Level: 5142.00  
 Positional Uncertainty: 0.00  
 Convergence: 1.54

#### WELLPATH DETAILS

Original Hole

Rig Ref. Datum:	SITE	5160.00ft	
V.Section Angle	Origin +N-S	Origin +E-W	Starting From TVD
39.81°	0.00	0.00	0.00



#### WELL DETAILS

Name	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
RBU #20-14E	0.00	0.00	7159494.24	2314672.71	39°56'59.030N	109°05'40.540W	N/A

#### TARGET DETAILS

Name	TVD	+N-S	+E-W	Shape
Vertical Point	3055.00	723.49	603.07	Point
PBHL	8750.00	723.49	603.07	Point

#### FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	4250.00	4478.44	Wasatch Tongue
2	4620.00	4848.44	Uteland Limestone
3	4780.00	5008.44	Wasatch
4	5710.00	5938.44	Chapita Wells
5	6960.00	7188.44	Uteland Buttes
6	7850.00	8078.44	Mesaverde

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	39.81	0.00	0.00	0.00	0.00	0.00	0.00	
2	540.00	0.00	39.81	540.00	0.00	0.00	0.00	39.81	0.00	
3	1846.67	39.20	39.81	1747.09	330.16	275.21	3.00	39.81	429.82	
4	1976.77	39.20	39.81	1847.91	393.33	327.86	0.00	0.00	512.05	
5	3283.43	0.00	39.81	3055.00	723.49	603.07	3.00	180.00	941.88	
6	3283.44	0.00	39.81	3055.00	723.49	603.07	0.00	0.00	941.88	Vertical Point
7	8978.44	0.00	39.81	8750.00	723.49	603.07	0.00	39.81	941.88	PBHL

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



Plan: Plan #1 (RBU #20-14E/Original Hole)  
 Created By: Charlotte Sims Date: 8/24/2006  
 Checked: \_\_\_\_\_ Date: \_\_\_\_\_  
 Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_  
 Approved: \_\_\_\_\_ Date: \_\_\_\_\_

**CONFIDENTIAL**



# Ryan Energy Technologies Planning Report



<b>Company:</b> Dominion Exploration & Product <b>Field:</b> Uintah County, Utah <b>Site:</b> RBU #20-14E <b>Well:</b> RBU #20-14E <b>Wellpath:</b> Original Hole	<b>Date:</b> 8/24/2006 <b>Co-ordinate(NE) Reference:</b> Well: RBU #20-14E, Grid North <b>Vertical (TVD) Reference:</b> SITE 5160.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,39.81Azi) <b>Plan:</b> Plan #1
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<b>Field:</b> Uintah County, Utah Utah - Natural Buttes USA <b>Map System:</b> US State Plane Coordinate System 1983 <b>Geo Datum:</b> GRS 1980 <b>Sys Datum:</b> Mean Sea Level	<b>Map Zone:</b> Utah, Central Zone <b>Coordinate System:</b> Well Centre <b>Geomagnetic Model:</b> igrf2005
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<b>Site:</b> RBU #20-14E Uintah/Utah Section 15: 10S- 19E <b>Site Position:</b> <b>From:</b> Geographic <b>Position Uncertainty:</b> 0.00 ft <b>Ground Level:</b> 5142.00 ft	<b>Northing:</b> 7159494.24 ft <b>Easting:</b> 2314672.71 ft <b>Latitude:</b> 39 56 59.030 N <b>Longitude:</b> 109 5 40.540 W <b>North Reference:</b> Grid <b>Grid Convergence:</b> 1.541 deg
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<b>Well:</b> RBU #20-14E <b>Well Position:</b> +N/-S 0.00 ft <b>Position Uncertainty:</b> 0.00 ft	<b>Slot Name:</b> <b>Northing:</b> 7159494.24 ft <b>Easting:</b> 2314672.71 ft <b>Latitude:</b> 39 56 59.030 N <b>Longitude:</b> 109 5 40.540 W
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<b>Wellpath:</b> Original Hole <b>Current Datum:</b> SITE <b>Magnetic Data:</b> 8/24/2006 <b>Field Strength:</b> 52896 nT <b>Vertical Section:</b> Depth From (TVD) ft	<b>Drilled From:</b> Surface <b>Tie-on Depth:</b> 0.00 ft <b>Above System Datum:</b> Mean Sea Level <b>Declination:</b> 11.506 deg <b>Mag Dip Angle:</b> 66.035 deg <b>+E/-W</b> Direction deg
Height 5160.00 ft 0.00      0.00      0.00      39.81	

<b>Plan:</b> Plan #1 <b>Principal:</b> Yes	<b>Date Composed:</b> 8/24/2006 <b>Version:</b> 1 <b>Tied-to:</b> From Surface
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**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	39.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
100.00	0.00	39.81	100.00	0.00	0.00	0.00	0.00	0.00	0.00	39.813
200.00	0.00	39.81	200.00	0.00	0.00	0.00	0.00	0.00	0.00	39.813
300.00	0.00	39.81	300.00	0.00	0.00	0.00	0.00	0.00	0.00	39.813
400.00	0.00	39.81	400.00	0.00	0.00	0.00	0.00	0.00	0.00	39.813
500.00	0.00	39.81	500.00	0.00	0.00	0.00	0.00	0.00	0.00	39.813
540.00	0.00	39.81	540.00	0.00	0.00	0.00	0.00	0.00	0.00	39.813

**Section 2 : Start Build 3.00**

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
600.00	1.80	39.81	599.99	0.72	0.60	0.94	3.00	3.00	0.00	0.000
700.00	4.80	39.81	699.81	5.15	4.29	6.70	3.00	3.00	0.00	0.000
800.00	7.80	39.81	799.20	13.57	11.31	17.67	3.00	3.00	0.00	0.000
900.00	10.80	39.81	897.87	25.99	21.66	33.83	3.00	3.00	0.00	0.000
1000.00	13.80	39.81	995.57	42.35	35.30	55.13	3.00	3.00	0.00	0.000
1100.00	16.80	39.81	1092.01	62.61	52.19	81.51	3.00	3.00	0.00	0.000
1200.00	19.80	39.81	1186.94	86.73	72.29	112.91	3.00	3.00	0.00	0.000
1300.00	22.80	39.81	1280.10	114.63	95.55	149.23	3.00	3.00	0.00	0.000
1400.00	25.80	39.81	1371.23	146.24	121.90	190.38	3.00	3.00	0.00	0.000
1500.00	28.80	39.81	1460.08	181.46	151.26	236.24	3.00	3.00	0.00	0.000
1600.00	31.80	39.81	1546.41	220.21	183.56	286.68	3.00	3.00	0.00	0.000
1700.00	34.80	39.81	1629.98	262.38	218.71	341.58	3.00	3.00	0.00	0.000
1800.00	37.80	39.81	1710.57	307.85	256.61	400.77	3.00	3.00	0.00	0.000
1846.67	39.20	39.81	1747.09	330.16	275.21	429.82	3.00	3.00	0.00	0.000



# Ryan Energy Technologies

## Planning Report



Company: Dominion Exploration & Product  
 Field: Uintah County, Utah  
 Site: RBU #20-14E  
 Well: RBU #20-14E  
 Wellpath: Original Hole

Date: 8/24/2006 Time: 14:42:57 Page: 2  
 Co-ordinate(NE) Reference: Well: RBU #20-14E, Grid North  
 Vertical (TVD) Reference: SITE 5160.0  
 Section (VS) Reference: Well (0.00N,0.00E,39.81Azi)  
 Plan: Plan #1

**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
1900.00	39.20	39.81	1788.42	356.06	296.79	463.53	0.00	0.00	0.00	180.000
1976.77	39.20	39.81	1847.91	393.33	327.86	512.05	0.00	0.00	0.00	180.000

**Section 4 : Start Drop -3.00**

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
2000.00	38.50	39.81	1866.00	404.52	337.19	526.63	3.00	-3.00	0.00	180.000
2100.00	35.50	39.81	1945.85	450.75	375.72	586.80	3.00	-3.00	0.00	180.000
2200.00	32.50	39.81	2028.74	493.70	411.53	642.72	3.00	-3.00	0.00	180.000
2300.00	29.50	39.81	2114.45	533.26	444.50	694.22	3.00	-3.00	0.00	180.000
2400.00	26.50	39.81	2202.73	569.32	474.56	741.17	3.00	-3.00	0.00	-180.000
2500.00	23.50	39.81	2293.35	601.78	501.62	783.43	3.00	-3.00	0.00	-180.000
2600.00	20.50	39.81	2386.05	630.56	525.61	820.89	3.00	-3.00	0.00	180.000
2700.00	17.50	39.81	2480.59	655.57	546.45	853.45	3.00	-3.00	0.00	180.000
2800.00	14.50	39.81	2576.71	676.74	564.10	881.02	3.00	-3.00	0.00	180.000
2900.00	11.50	39.81	2674.13	694.02	578.51	903.52	3.00	-3.00	0.00	180.000
3000.00	8.50	39.81	2772.60	707.36	589.63	920.88	3.00	-3.00	0.00	-180.000
3100.00	5.50	39.81	2871.84	716.73	597.43	933.07	3.00	-3.00	0.00	180.000
3200.00	2.50	39.81	2971.59	722.09	601.90	940.05	3.00	-3.00	0.00	180.000
3283.43	0.00	39.81	3055.00	723.49	603.07	941.88	3.00	-3.00	0.00	-180.000

**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
3283.44	0.00	39.81	3055.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813

**Section 6 : 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
3300.00	0.00	39.81	3071.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3400.00	0.00	39.81	3171.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3500.00	0.00	39.81	3271.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3553.44	0.00	39.81	3325.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3600.00	0.00	39.81	3371.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3700.00	0.00	39.81	3471.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3800.00	0.00	39.81	3571.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
3900.00	0.00	39.81	3671.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4000.00	0.00	39.81	3771.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4100.00	0.00	39.81	3871.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4200.00	0.00	39.81	3971.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4300.00	0.00	39.81	4071.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4400.00	0.00	39.81	4171.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4478.44	0.00	39.81	4250.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4500.00	0.00	39.81	4271.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4600.00	0.00	39.81	4371.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4700.00	0.00	39.81	4471.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4800.00	0.00	39.81	4571.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4848.44	0.00	39.81	4620.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813
4900.00	0.00	39.81	4671.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5000.00	0.00	39.81	4771.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5008.44	0.00	39.81	4780.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5100.00	0.00	39.81	4871.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5200.00	0.00	39.81	4971.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5300.00	0.00	39.81	5071.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5400.00	0.00	39.81	5171.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5500.00	0.00	39.81	5271.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5600.00	0.00	39.81	5371.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5700.00	0.00	39.81	5471.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5800.00	0.00	39.81	5571.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5900.00	0.00	39.81	5671.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
5938.44	0.00	39.81	5710.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813



# Ryan Energy Technologies Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU #20-14E  
**Well:** RBU #20-14E  
**Wellpath:** Original Hole

**Date:** 8/24/2006 **Time:** 14:42:57 **Page:** 3  
**Co-ordinate(NE) Reference:** Well: RBU #20-14E, Grid North  
**Vertical (TVD) Reference:** SITE 5160.0  
**Section (VS) Reference:** Well (0.00N,0.00E,39.81Azi)  
**Plan:** Plan #1

**Section 6 : 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
6000.00	0.00	39.81	5771.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6100.00	0.00	39.81	5871.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6200.00	0.00	39.81	5971.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6300.00	0.00	39.81	6071.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6400.00	0.00	39.81	6171.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6500.00	0.00	39.81	6271.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6600.00	0.00	39.81	6371.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6700.00	0.00	39.81	6471.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6800.00	0.00	39.81	6571.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
6900.00	0.00	39.81	6671.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7000.00	0.00	39.81	6771.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7100.00	0.00	39.81	6871.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7188.44	0.00	39.81	6960.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7200.00	0.00	39.81	6971.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7300.00	0.00	39.81	7071.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7400.00	0.00	39.81	7171.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7500.00	0.00	39.81	7271.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7600.00	0.00	39.81	7371.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7700.00	0.00	39.81	7471.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7800.00	0.00	39.81	7571.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
7900.00	0.00	39.81	7671.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8000.00	0.00	39.81	7771.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8078.44	0.00	39.81	7850.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8100.00	0.00	39.81	7871.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8200.00	0.00	39.81	7971.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8300.00	0.00	39.81	8071.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8400.00	0.00	39.81	8171.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8500.00	0.00	39.81	8271.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8600.00	0.00	39.81	8371.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8700.00	0.00	39.81	8471.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8800.00	0.00	39.81	8571.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8900.00	0.00	39.81	8671.56	723.49	603.07	941.88	0.00	0.00	0.00	39.813
8978.44	0.00	39.81	8750.00	723.49	603.07	941.88	0.00	0.00	0.00	39.813

**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
0.00	0.00	39.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	39.81	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	39.81	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	39.81	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	39.81	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	39.81	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
540.00	0.00	39.81	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	1.80	39.81	599.99	0.72	0.60	0.94	3.00	3.00	0.00	
700.00	4.80	39.81	699.81	5.15	4.29	6.70	3.00	3.00	0.00	
800.00	7.80	39.81	799.20	13.57	11.31	17.67	3.00	3.00	0.00	
900.00	10.80	39.81	897.87	25.99	21.66	33.83	3.00	3.00	0.00	
1000.00	13.80	39.81	995.57	42.35	35.30	55.13	3.00	3.00	0.00	
1100.00	16.80	39.81	1092.01	62.61	52.19	81.51	3.00	3.00	0.00	
1200.00	19.80	39.81	1186.94	86.73	72.29	112.91	3.00	3.00	0.00	
1300.00	22.80	39.81	1280.10	114.63	95.55	149.23	3.00	3.00	0.00	
1400.00	25.80	39.81	1371.23	146.24	121.90	190.38	3.00	3.00	0.00	
1500.00	28.80	39.81	1460.08	181.46	151.26	236.24	3.00	3.00	0.00	
1600.00	31.80	39.81	1546.41	220.21	183.56	286.68	3.00	3.00	0.00	
1700.00	34.80	39.81	1629.98	262.38	218.71	341.58	3.00	3.00	0.00	
1800.00	37.80	39.81	1710.57	307.85	256.61	400.77	3.00	3.00	0.00	
1846.67	39.20	39.81	1747.09	330.16	275.21	429.82	3.00	3.00	0.00	
1900.00	39.20	39.81	1788.42	356.06	296.79	463.53	0.00	0.00	0.00	



# Ryan Energy Technologies Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU #20-14E  
**Well:** RBU #20-14E  
**Wellpath:** Original Hole

**Date:** 8/24/2006      **Time:** 14:42:57  
**Co-ordinate(NE) Reference:** Well: RBU #20-14E, Grid North  
**Vertical (TVD) Reference:** SITE 5160.0  
**Section (VS) Reference:** Well (0.00N,0.00E,39.81Azi)  
**Plan:** Plan #1

**Page:** 4

**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
1976.77	39.20	39.81	1847.91	393.33	327.86	512.05	0.00	0.00	0.00	
2000.00	38.50	39.81	1866.00	404.52	337.19	526.63	3.00	-3.00	0.00	
2100.00	35.50	39.81	1945.85	450.75	375.72	586.80	3.00	-3.00	0.00	
2200.00	32.50	39.81	2028.74	493.70	411.53	642.72	3.00	-3.00	0.00	
2300.00	29.50	39.81	2114.45	533.26	444.50	694.22	3.00	-3.00	0.00	
2400.00	26.50	39.81	2202.73	569.32	474.56	741.17	3.00	-3.00	0.00	
2500.00	23.50	39.81	2293.35	601.78	501.62	783.43	3.00	-3.00	0.00	
2600.00	20.50	39.81	2386.05	630.56	525.61	820.89	3.00	-3.00	0.00	
2700.00	17.50	39.81	2480.59	655.57	546.45	853.45	3.00	-3.00	0.00	
2800.00	14.50	39.81	2576.71	676.74	564.10	881.02	3.00	-3.00	0.00	
2900.00	11.50	39.81	2674.13	694.02	578.51	903.52	3.00	-3.00	0.00	
3000.00	8.50	39.81	2772.60	707.36	589.63	920.88	3.00	-3.00	0.00	
3100.00	5.50	39.81	2871.84	716.73	597.43	933.07	3.00	-3.00	0.00	
3200.00	2.50	39.81	2971.59	722.09	601.90	940.05	3.00	-3.00	0.00	
3283.43	0.00	39.81	3055.00	723.49	603.07	941.88	3.00	-3.00	0.00	Vertical Point
3283.44	0.00	39.81	3055.00	723.49	603.07	941.88	0.00	0.00	0.00	
3300.00	0.00	39.81	3071.56	723.49	603.07	941.88	0.00	0.00	0.00	
3400.00	0.00	39.81	3171.56	723.49	603.07	941.88	0.00	0.00	0.00	
3500.00	0.00	39.81	3271.56	723.49	603.07	941.88	0.00	0.00	0.00	
3553.44	0.00	39.81	3325.00	723.49	603.07	941.88	0.00	0.00	0.00	9 5/8"
3600.00	0.00	39.81	3371.56	723.49	603.07	941.88	0.00	0.00	0.00	
3700.00	0.00	39.81	3471.56	723.49	603.07	941.88	0.00	0.00	0.00	
3800.00	0.00	39.81	3571.56	723.49	603.07	941.88	0.00	0.00	0.00	
3900.00	0.00	39.81	3671.56	723.49	603.07	941.88	0.00	0.00	0.00	
4000.00	0.00	39.81	3771.56	723.49	603.07	941.88	0.00	0.00	0.00	
4100.00	0.00	39.81	3871.56	723.49	603.07	941.88	0.00	0.00	0.00	
4200.00	0.00	39.81	3971.56	723.49	603.07	941.88	0.00	0.00	0.00	
4300.00	0.00	39.81	4071.56	723.49	603.07	941.88	0.00	0.00	0.00	
4400.00	0.00	39.81	4171.56	723.49	603.07	941.88	0.00	0.00	0.00	
4478.44	0.00	39.81	4250.00	723.49	603.07	941.88	0.00	0.00	0.00	Wasatch Tongue
4500.00	0.00	39.81	4271.56	723.49	603.07	941.88	0.00	0.00	0.00	
4600.00	0.00	39.81	4371.56	723.49	603.07	941.88	0.00	0.00	0.00	
4700.00	0.00	39.81	4471.56	723.49	603.07	941.88	0.00	0.00	0.00	
4800.00	0.00	39.81	4571.56	723.49	603.07	941.88	0.00	0.00	0.00	
4848.44	0.00	39.81	4620.00	723.49	603.07	941.88	0.00	0.00	0.00	Uteland Limeston
4900.00	0.00	39.81	4671.56	723.49	603.07	941.88	0.00	0.00	0.00	
5000.00	0.00	39.81	4771.56	723.49	603.07	941.88	0.00	0.00	0.00	
5008.44	0.00	39.81	4780.00	723.49	603.07	941.88	0.00	0.00	0.00	Wasatch
5100.00	0.00	39.81	4871.56	723.49	603.07	941.88	0.00	0.00	0.00	
5200.00	0.00	39.81	4971.56	723.49	603.07	941.88	0.00	0.00	0.00	
5300.00	0.00	39.81	5071.56	723.49	603.07	941.88	0.00	0.00	0.00	
5400.00	0.00	39.81	5171.56	723.49	603.07	941.88	0.00	0.00	0.00	
5500.00	0.00	39.81	5271.56	723.49	603.07	941.88	0.00	0.00	0.00	
5600.00	0.00	39.81	5371.56	723.49	603.07	941.88	0.00	0.00	0.00	
5700.00	0.00	39.81	5471.56	723.49	603.07	941.88	0.00	0.00	0.00	
5800.00	0.00	39.81	5571.56	723.49	603.07	941.88	0.00	0.00	0.00	
5900.00	0.00	39.81	5671.56	723.49	603.07	941.88	0.00	0.00	0.00	
5938.44	0.00	39.81	5710.00	723.49	603.07	941.88	0.00	0.00	0.00	Chapita Wells
6000.00	0.00	39.81	5771.56	723.49	603.07	941.88	0.00	0.00	0.00	
6100.00	0.00	39.81	5871.56	723.49	603.07	941.88	0.00	0.00	0.00	
6200.00	0.00	39.81	5971.56	723.49	603.07	941.88	0.00	0.00	0.00	
6300.00	0.00	39.81	6071.56	723.49	603.07	941.88	0.00	0.00	0.00	
6400.00	0.00	39.81	6171.56	723.49	603.07	941.88	0.00	0.00	0.00	



# Ryan Energy Technologies Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU #20-14E  
**Well:** RBU #20-14E  
**Wellpath:** Original Hole

**Date:** 8/24/2006      **Time:** 14:42:57  
**Co-ordinate(NE) Reference:** Well: RBU #20-14E, Grid North  
**Vertical (TVD) Reference:** SITE 5160.0  
**Section (VS) Reference:** Well (0.00N,0.00E,39.81Azi)  
**Plan:** Plan #1

**Page:** 5

**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
6500.00	0.00	39.81	6271.56	723.49	603.07	941.88	0.00	0.00	0.00	
6600.00	0.00	39.81	6371.56	723.49	603.07	941.88	0.00	0.00	0.00	
6700.00	0.00	39.81	6471.56	723.49	603.07	941.88	0.00	0.00	0.00	
6800.00	0.00	39.81	6571.56	723.49	603.07	941.88	0.00	0.00	0.00	
6900.00	0.00	39.81	6671.56	723.49	603.07	941.88	0.00	0.00	0.00	
7000.00	0.00	39.81	6771.56	723.49	603.07	941.88	0.00	0.00	0.00	
7100.00	0.00	39.81	6871.56	723.49	603.07	941.88	0.00	0.00	0.00	
7188.44	0.00	39.81	6960.00	723.49	603.07	941.88	0.00	0.00	0.00	Uteland Buttes
7200.00	0.00	39.81	6971.56	723.49	603.07	941.88	0.00	0.00	0.00	
7300.00	0.00	39.81	7071.56	723.49	603.07	941.88	0.00	0.00	0.00	
7400.00	0.00	39.81	7171.56	723.49	603.07	941.88	0.00	0.00	0.00	
7500.00	0.00	39.81	7271.56	723.49	603.07	941.88	0.00	0.00	0.00	
7600.00	0.00	39.81	7371.56	723.49	603.07	941.88	0.00	0.00	0.00	
7700.00	0.00	39.81	7471.56	723.49	603.07	941.88	0.00	0.00	0.00	
7800.00	0.00	39.81	7571.56	723.49	603.07	941.88	0.00	0.00	0.00	
7900.00	0.00	39.81	7671.56	723.49	603.07	941.88	0.00	0.00	0.00	
8000.00	0.00	39.81	7771.56	723.49	603.07	941.88	0.00	0.00	0.00	
8078.44	0.00	39.81	7850.00	723.49	603.07	941.88	0.00	0.00	0.00	Mesaverde
8100.00	0.00	39.81	7871.56	723.49	603.07	941.88	0.00	0.00	0.00	
8200.00	0.00	39.81	7971.56	723.49	603.07	941.88	0.00	0.00	0.00	
8300.00	0.00	39.81	8071.56	723.49	603.07	941.88	0.00	0.00	0.00	
8400.00	0.00	39.81	8171.56	723.49	603.07	941.88	0.00	0.00	0.00	
8500.00	0.00	39.81	8271.56	723.49	603.07	941.88	0.00	0.00	0.00	
8600.00	0.00	39.81	8371.56	723.49	603.07	941.88	0.00	0.00	0.00	
8700.00	0.00	39.81	8471.56	723.49	603.07	941.88	0.00	0.00	0.00	
8800.00	0.00	39.81	8571.56	723.49	603.07	941.88	0.00	0.00	0.00	
8900.00	0.00	39.81	8671.56	723.49	603.07	941.88	0.00	0.00	0.00	
8978.44	0.00	39.81	8750.00	723.49	603.07	941.88	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
Vertical Point			3055.00	723.49	603.07	7160217.732315275.78		39 57 6.018 N	109 5 32.548 W
-Plan hit target									
PBHL			8750.00	723.49	603.07	7160217.732315275.78		39 57 6.018 N	109 5 32.548 W
-Plan hit target									

**Casing Points**

MD ft	TVD ft	Diameter in	Hole Size in	Name
3553.44	3325.00	9.625	12.250	9 5/8"

**Formations**

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4478.44	4250.00	Wasatch Tongue		0.00	0.00
4848.44	4620.00	Uteland Limeston		0.00	0.00
5008.44	4780.00	Wasatch		0.00	0.00
5938.44	5710.00	Chapita Wells		0.00	0.00
7188.44	6960.00	Uteland Buttes		0.00	0.00
8078.44	7850.00	Mesaverde		0.00	0.00



# Ryan Energy Technologies Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU #20-14E  
**Well:** RBU #20-14E  
**Wellpath:** Original Hole

**Date:** 8/24/2006      **Time:** 14:42:57      **Page:** 6  
**Co-ordinate(NE) Reference:** Well: RBU #20-14E, Grid North  
**Vertical (TVD) Reference:** SITE 5160.0  
**Section (VS) Reference:** Well (0.00N,0.00E,39.81Azi)  
**Plan:** Plan #1

### Annotation

MD	TVD
ft	ft

## SURFACE USE PLAN

### CONDITIONS OF APPROVAL

#### *Attachment for Permit to Drill*

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 20-14E  
SHL: 1821' FNL & 532' FEL Section 15-10S-19E  
BHL: 1100' FNL & 100' FWL Section 14-10S-19E  
Uintah County, UT

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

The BLM onsite inspection for the referenced well was conducted on Wednesday, August 9, 2006 at approximately 9:30 am. In attendance at the onsite inspection were the following individuals:

Karl Wright	Nat. Res. Prot. Spec.	Bureau of Land Management – Vernal
Brandon McDonald	Wildlife Biologist	Bureau of Land Management – Vernal
Ken Secrest	Field Foreman	Dominion E & P, Inc.
Brandon Bowthorpe	Surveyor	Uintah Engineering & Land Surveying
Billy McClure	Foreman	LaRose Construction
Randy Jackson	Foreman	Jackson Construction
Don Hamilton	Agent	Buys & Associates, Inc.

1. Existing Roads:

- a. No upgrades to existing roads and no new roads are proposed at this time since access will utilize the existing road to the existing well site.
- b. The proposed well site is located approximately 10.55 miles southwest of Ouray, UT.
- c. Directions to the proposed well site have been attached at the end of Exhibit B.
- d. The use of roads under State and County Road Department maintenance are necessary to access the River Bend Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.
- e. All existing roads will be maintained and kept in good repair during all phases of operation.
- e. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.
- f. Since no improvements are anticipated to any State, County, Tribal or BLM access roads no topsoil striping will occur.
- g. An off-lease federal right-of-way is not anticipated for the access road or utility corridor since both are located within the existing River Bend Unit boundary and both utilize entirely existing disturbance.

2. Planned Access Roads:

- a. The proposed well utilizes the existing wellsite RBU 8-15E however the rig will block the existing access requiring a 90' access to the proposed well.
- b. From the existing pipeline maintenance road an access is proposed trending southwest approximately 90' to the proposed well site. The access consists of entirely new disturbance and crosses no significant drainages.
- c. A road design plan is not anticipated at this time.
- d. The proposed access road will consist of a 24' travel surface within a 30' disturbed area across BLM lands.
- e. BLM approval to construct and utilize the proposed access road is requested with this application.
- f. A maximum grade of 10% will be maintained throughout the project.
- g. No turnouts are proposed since the access road is only 90' long and adequate site distance exists in all directions.
- h. No low water crossings and no culverts are anticipated. Adequate drainage structures will be incorporated into the road.
- i. No surfacing material will come from federal or Indian lands.
- j. No gates or cattle guards are anticipated at this time.
- k. Surface disturbance and vehicular travel will be limited to the approved location access road.
- l. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).
- m. The operator will be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells:

- a. Exhibit B has a map reflecting these wells within a one mile radius of the proposed well.

4. Location of Production Facilities:

- a. All permanent structures will be painted a flat, non-reflective Desert Brown or Carlsbad Canyon to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply

with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

- d. A tank battery will be constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- f. No new pipeline corridors are proposed at this time since gas transportation will utilize the existing pipeline network to the existing well site.
- g. **The existing pipeline will be upgrade to 10" or less, as needed, from the proposed well to the existing Tap 1 Facility to provide additional production transportation capacity from the proposed 20 acre in-field wells.**
- h. The upgraded gas pipeline will be a 10" or less steel surface line within a 20' wide utility corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction.
- i. Dominion intends on installing the upgraded pipeline on the surface by welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

- a. The location and type of water supply has been addressed as number 11 within the previous drilling plan information.

6. Source of Construction Material:

- a. The use of materials will conform to 43 CFR 3610.2-3.
- b. No construction materials will be removed from Ute Tribal or BLM lands.
- c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.

- b. Drill cuttings will be contained and buried on site.
- c. The reserve pit will be located outboard of the location and along the west side of the pad.
- d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.
- e. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.
- f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.
- g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.
- h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.
- i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.
- k. Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.
- l. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.
- m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

- a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.

9. Well Site Layout: (See Exhibit B)

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. Access to the well pad will be from the northeast.
- c. The pad and road designs are consistent with BLM specification
- d. A pre-construction meeting with responsible company representative, contractors and the BLM will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.
- e. The pad has been staked at its maximum size of 355' X 200'; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.
- f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.
- h. Diversion ditches will be constructed as shown around the well site to prevent surface waters from entering the well site area.
- i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.
- j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.
- k. Pits will remain fenced until site cleanup.
- l. The blooie line will be located at least 100 feet from the well head.
- m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

10. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

- a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.
- b. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.
- c. Following BLM published Best Management Practices the interim reclamation will be completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.
  - a. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.
  - b. The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and

reseeded at 12 lbs /acre with the following native grass seeds:

1. Crested Wheat Grass (4 lbs / acre)
  2. Needle and Thread Grass (4 lbs / acre)
  3. Rice Grass (4 lbs / acre)
- c. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.
- d. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- e. Prior to final abandonment of the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BLM. The BLM recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

- a. Surface Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.
- b. Mineral Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

12. Other Information:

- a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.
- b. Alden Hamblin has conducted a paleontological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Alden Hamblin.
- c. Our understanding of the results of the onsite inspection are:
  - a. No Threatened and Endangered flora and fauna species were found during the onsite inspection.
  - b. No drainage crossings that require additional State or Federal approval are being crossed.
  - c. A pipeline upgrade is proposed with this application.
  - d. A 90' new access road is required for this well.

13. Operator's Representative and Certification

<u>Title</u>	<u>Name</u>	<u>Office Phone</u>
Company Representative (Roosevelt)	Ken Secrest	1-435-722-4521
Company Representative (Oklahoma)	Carla Christian	1-405-749-5263
Agent for Dominion	Don Hamilton	1-435-637-4075

**Certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under Dominion's BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Signature: Don Hamilton Date: 8-31-06

DOMINION EXPLR. & PROD., INC.

RBU #20-14E

SECTION 15, T10S, R19E, S.L.B.&M.

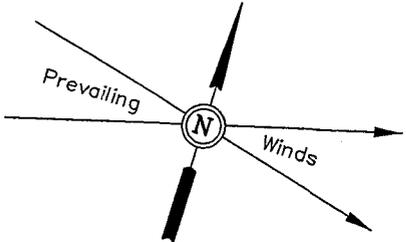
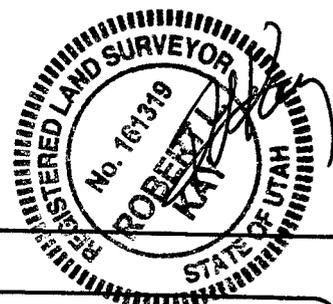
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 3.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 90' TO THE EXISTING #8-15E AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.1 MILES.

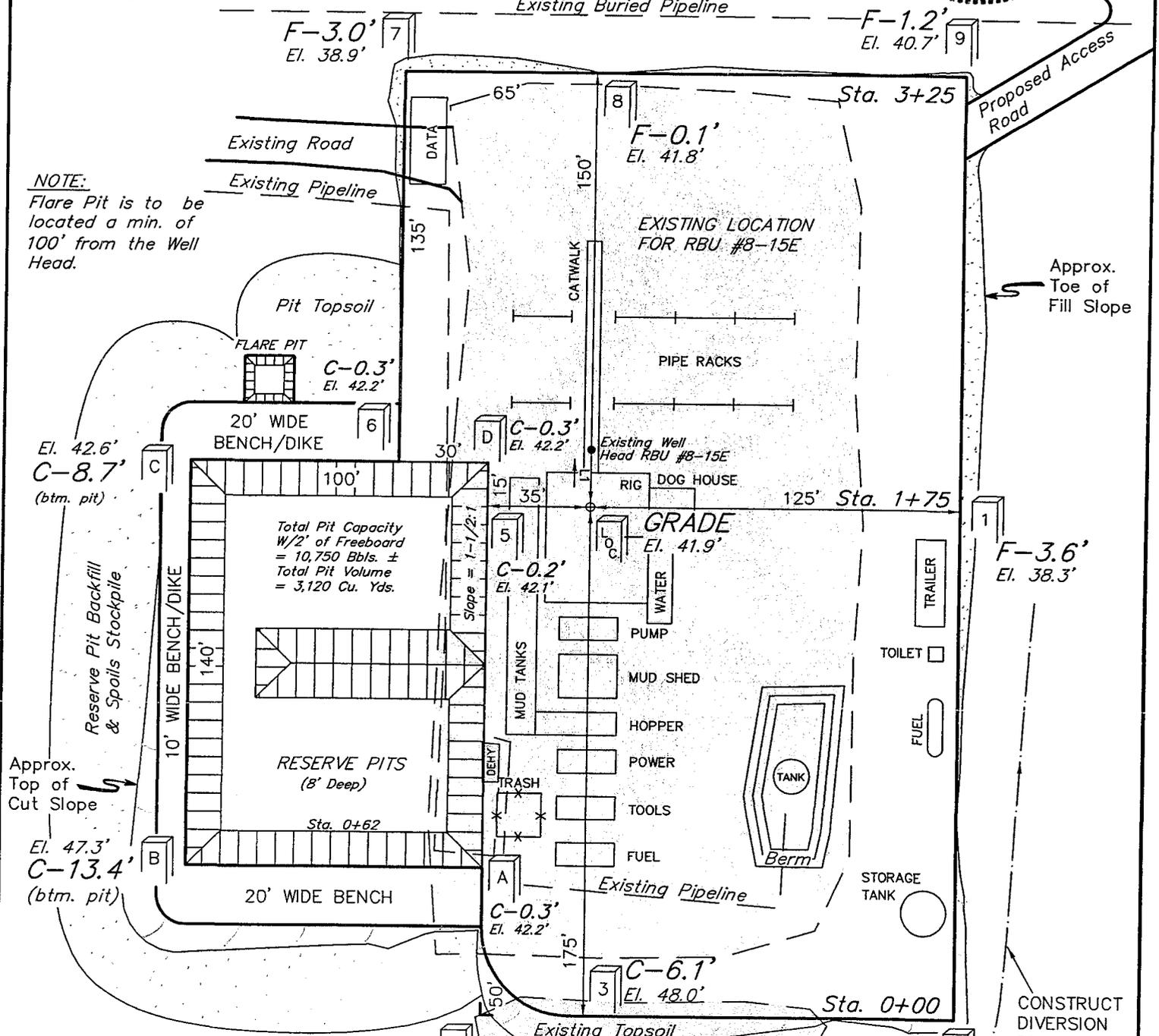
# DOMINION EXPLR. & PROD., INC.

## LOCATION LAYOUT FOR

RBU #20-14E  
SECTION 15, T10S, R19E, S.L.B.&M.  
1821' FNL 532' FEL



SCALE: 1" = 50'  
DATE: 07-10-06  
Drawn By: P.M.



LINE TABLE		
LINE	BEARING	LENGTH
L1	N17°07'21"W	19.94'

**NOTES:**  
FINISHED GRADE ELEV. AT LOC. STAKE = 5141.9'

**DOMINION EXPLR. & PROD., INC.**

**TYPICAL CROSS SECTIONS FOR**

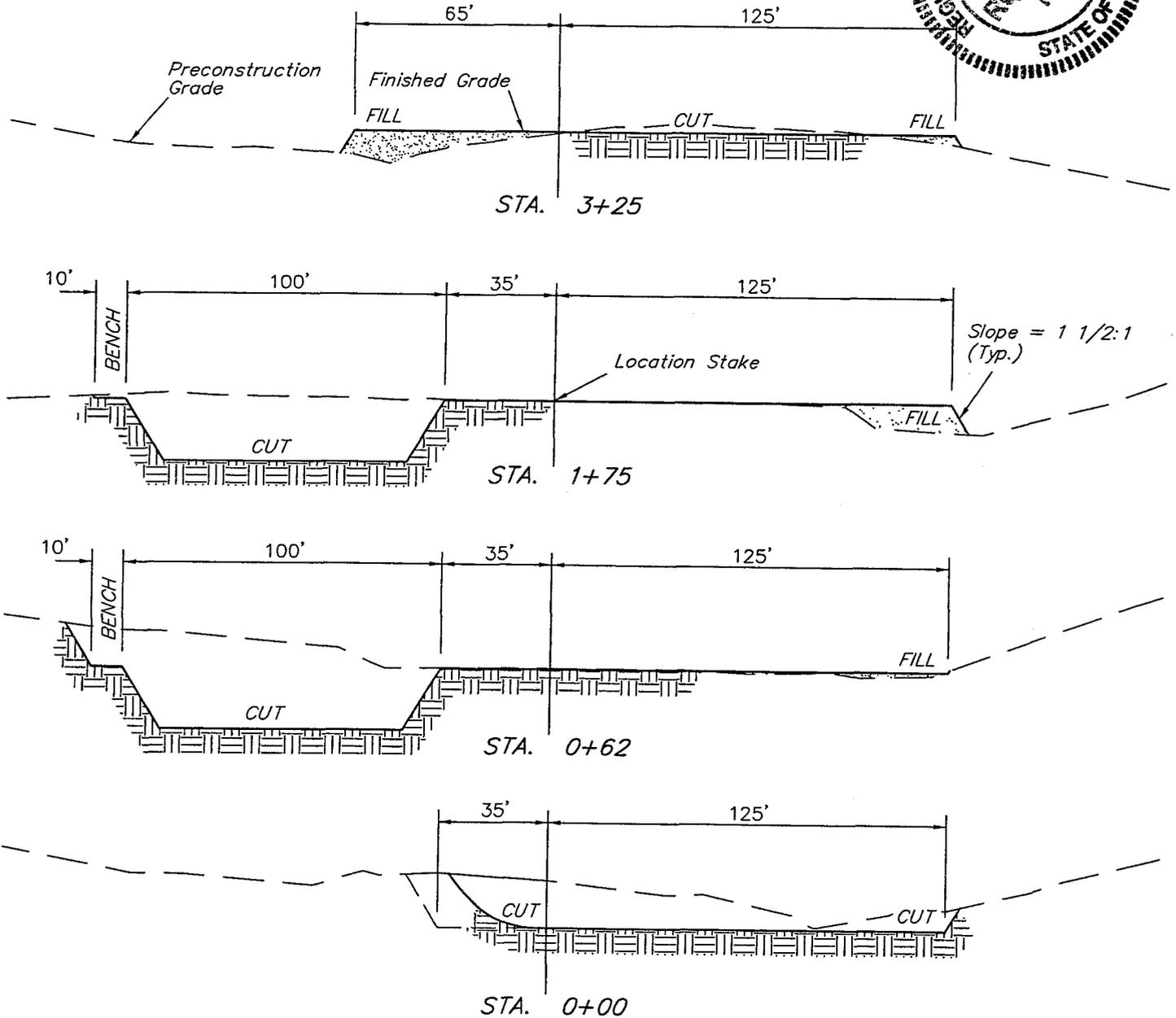
**RBU #20-14E**

**SECTION 15, T10S, R19E, S.L.B.&M.**

**1821' FNL 532' FEL**

1" = 20'  
X-Section Scale  
1" = 50'

DATE: 07-10-06  
Drawn By: P.M.



\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

**APPROXIMATE YARDAGES**

CUT	
(6") Topsoil Stripping	= 730 Cu. Yds.
(New Construction Only)	
Remaining Location	= 4,720 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 5,450 CU.YDS.</b>
<b>FILL</b>	<b>= 1,330 CU.YDS.</b>

EXCESS MATERIAL	= 4,120 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,290 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 1,830 Cu. Yds.

# DOMINION EXPLR. & PROD., INC.

RBU #20-14E

LOCATED IN UTAH COUNTY, UTAH  
SECTION 15, T10S, R19E, S.L.B.&M.

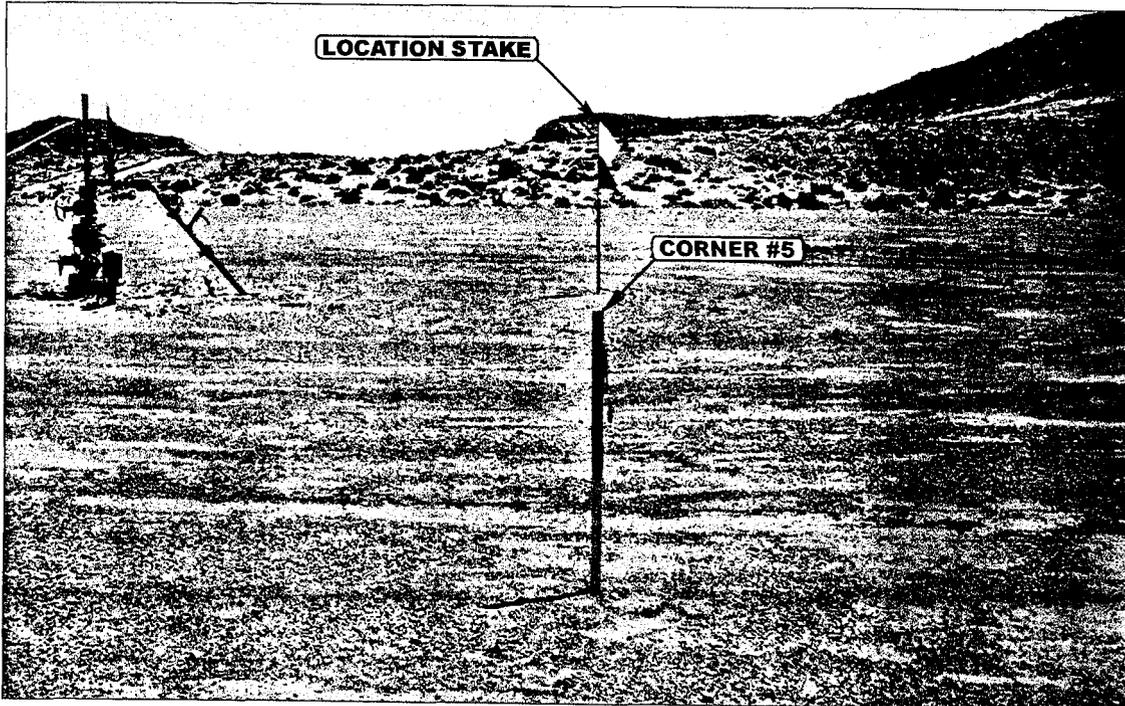


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

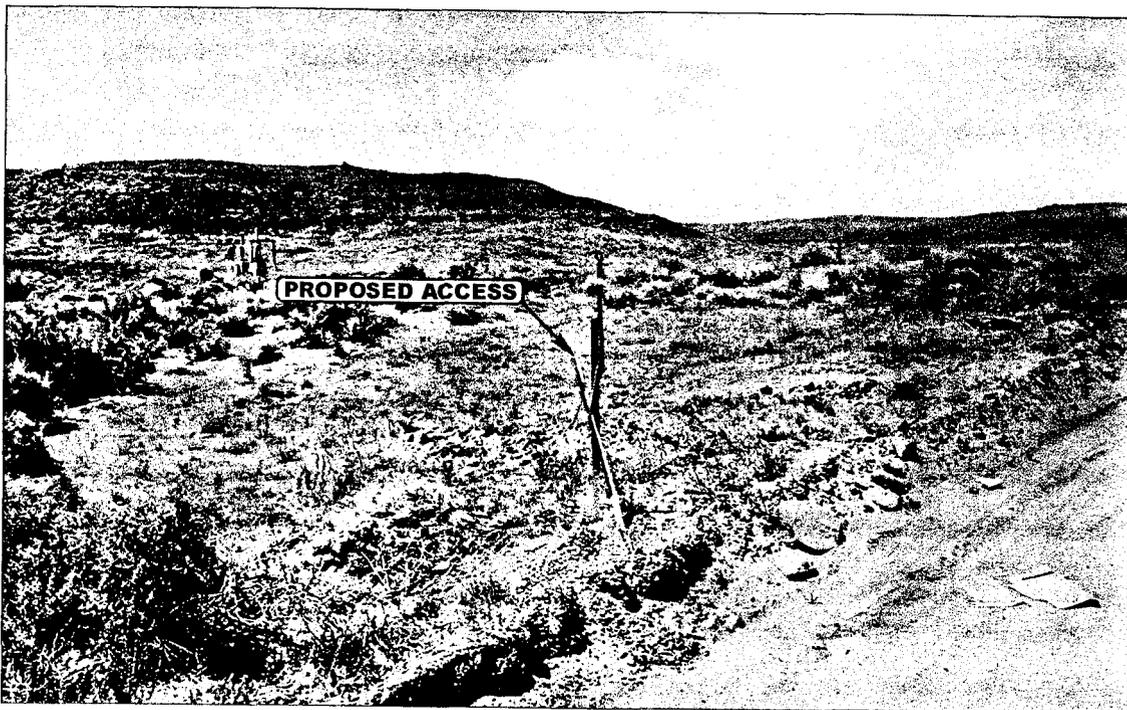


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

**E&LS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

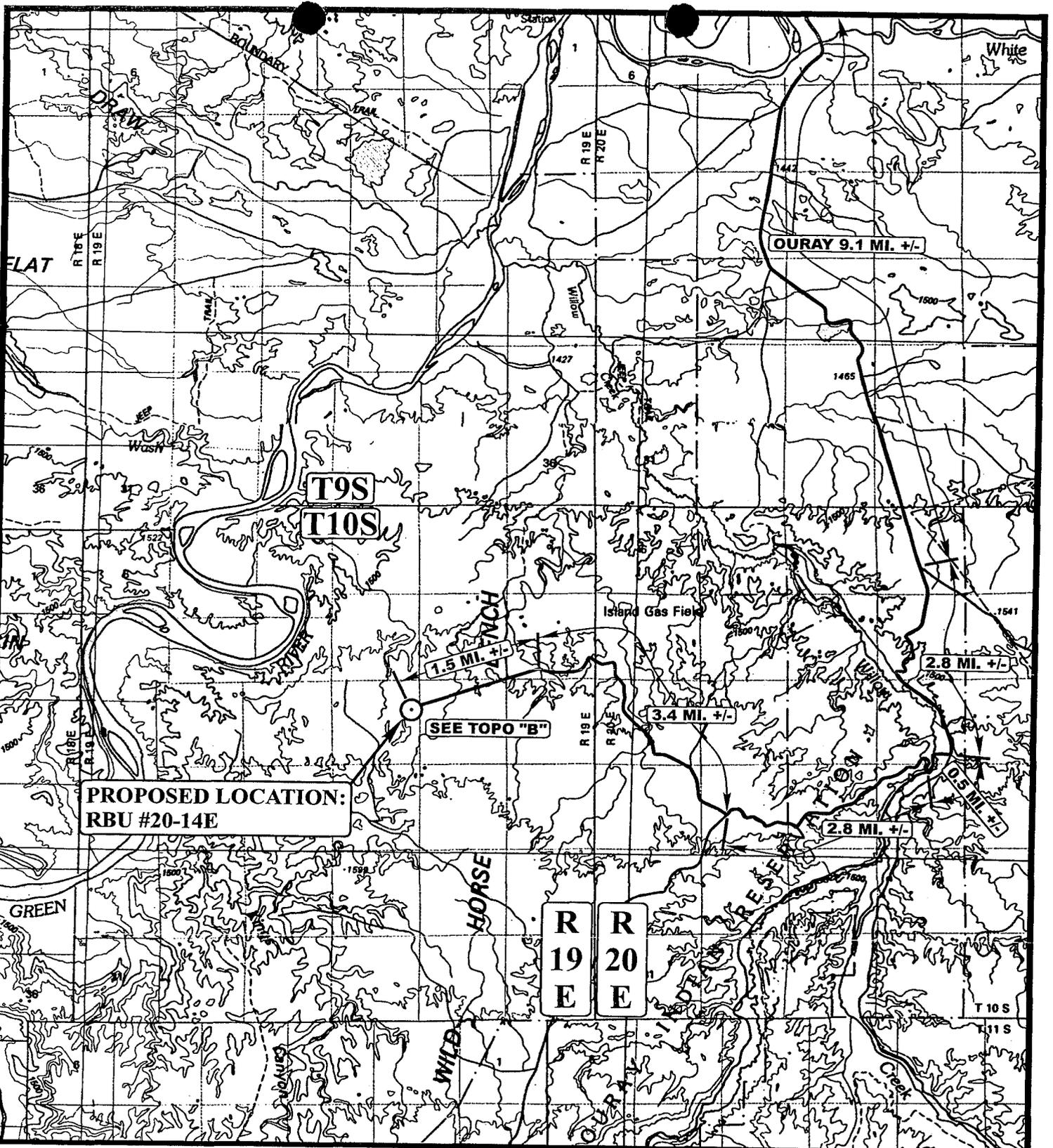
07 07 06  
MONTH DAY YEAR

PHOTO

TAKEN BY: B.B.

DRAWN BY: B.C.

REVISED: 00-00-00



**LEGEND:**

○ PROPOSED LOCATION



**DOMINION EXPLR. & PROD., INC.**

**RBU #20-14E**

**SECTION 15, T10S, R19E, S.L.B.&M.**

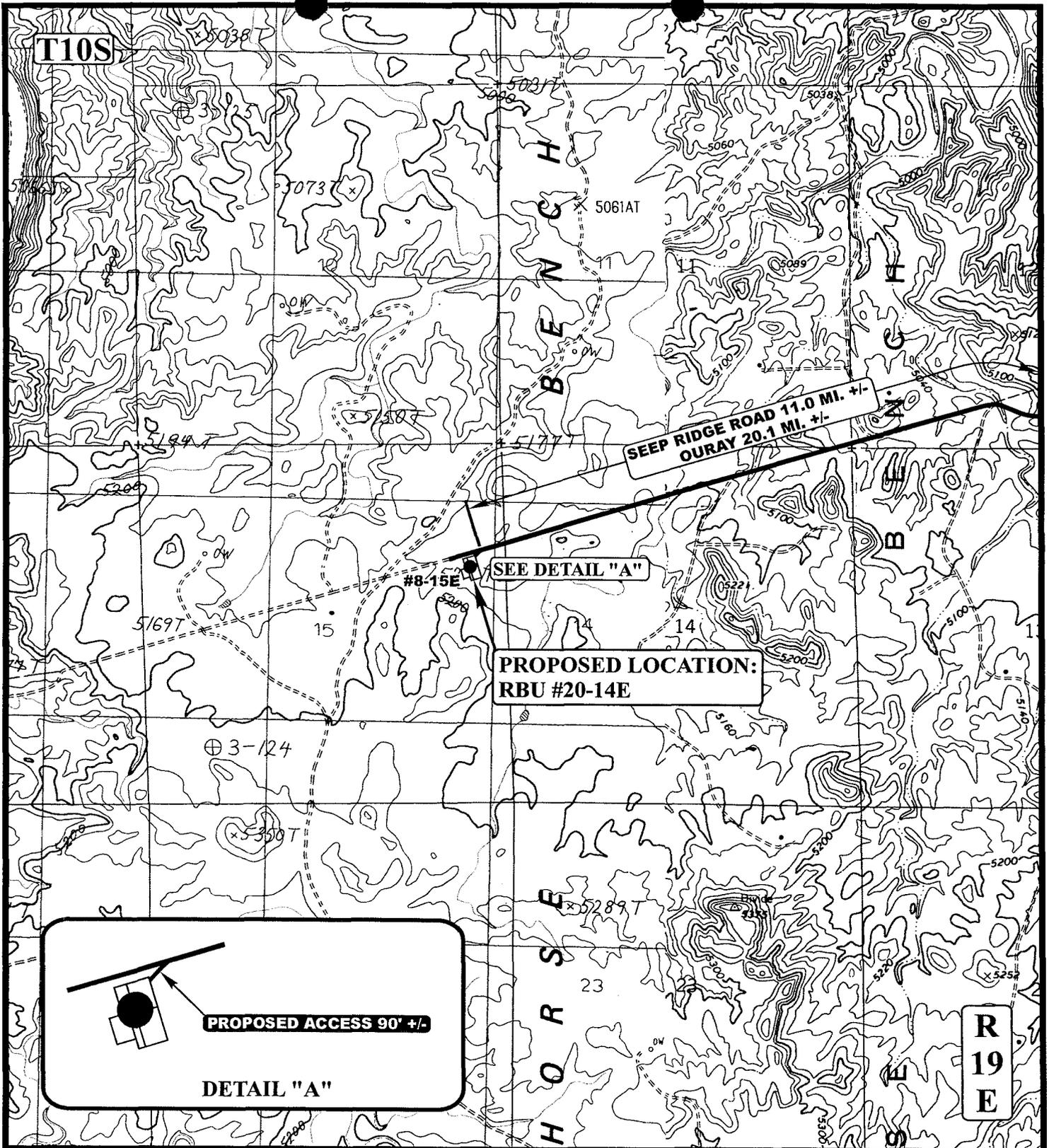
**1821' FNL 532' FEL**



**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** 07 07 06  
 MAP MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: B.C. REVISED: 00-00-00





**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD

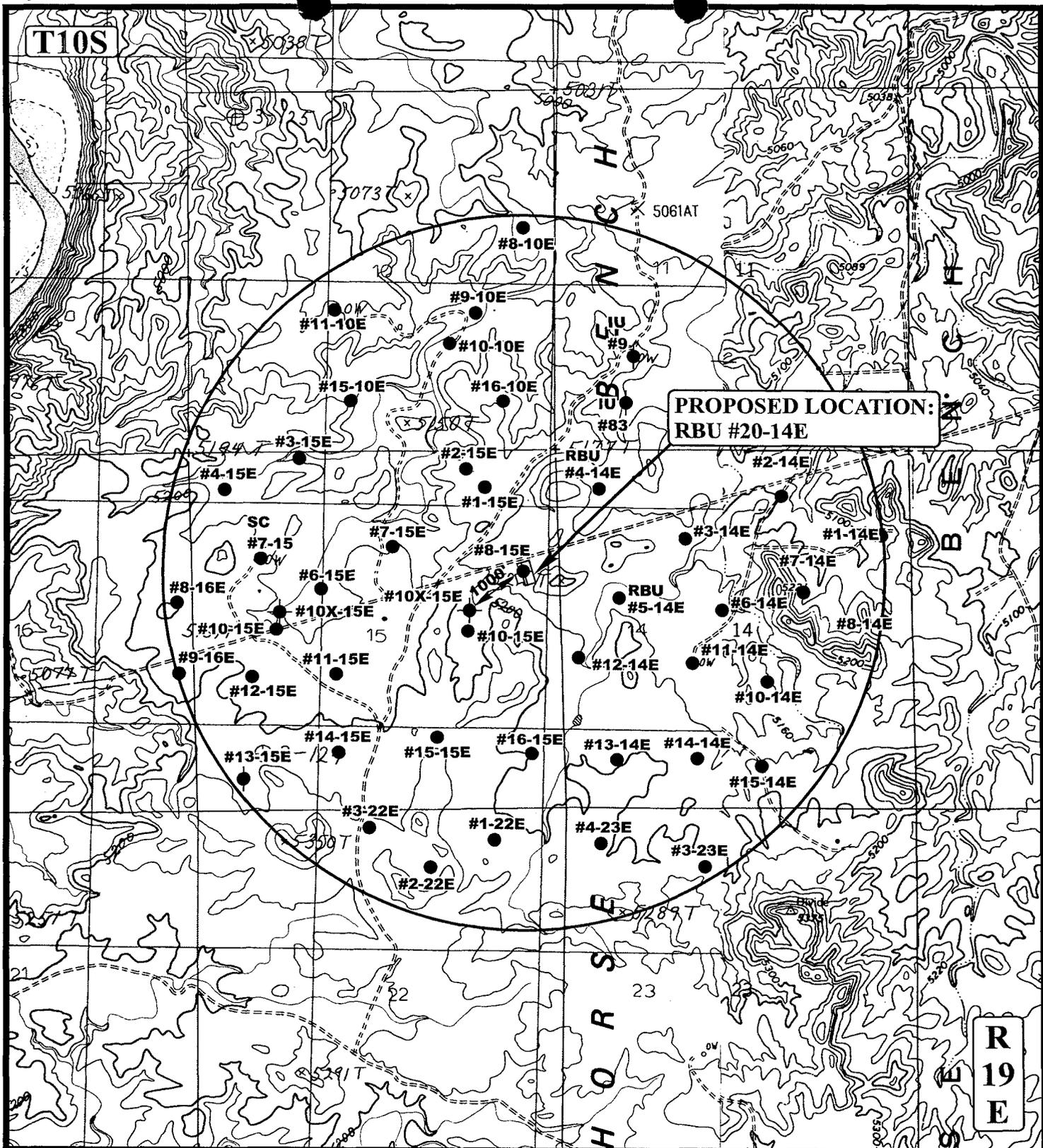
**DOMINION EXPLR. & PROD., INC.**

**RBU #20-14E**  
**SECTION 15, T10S, R19E, S.L.B.&M.**  
**1821' FNL 532' FEL**

**U&L S** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



<b>TOPOGRAPHIC</b>	<b>07</b>	<b>07</b>	<b>06</b>	<b>B</b>
<b>MAP</b>	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: B.C.		REVISED: 00-00-00	<b>TOPO</b>



**PROPOSED LOCATION:  
RBU #20-14E**

**LEGEND:**

- ∅ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ∅ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

**DOMINION EXPLR. & PROD., INC.**

**RBU #20-14E  
SECTION 15, T10S, R19E, S.L.B.&M.  
1821' FNL 532' FEL**

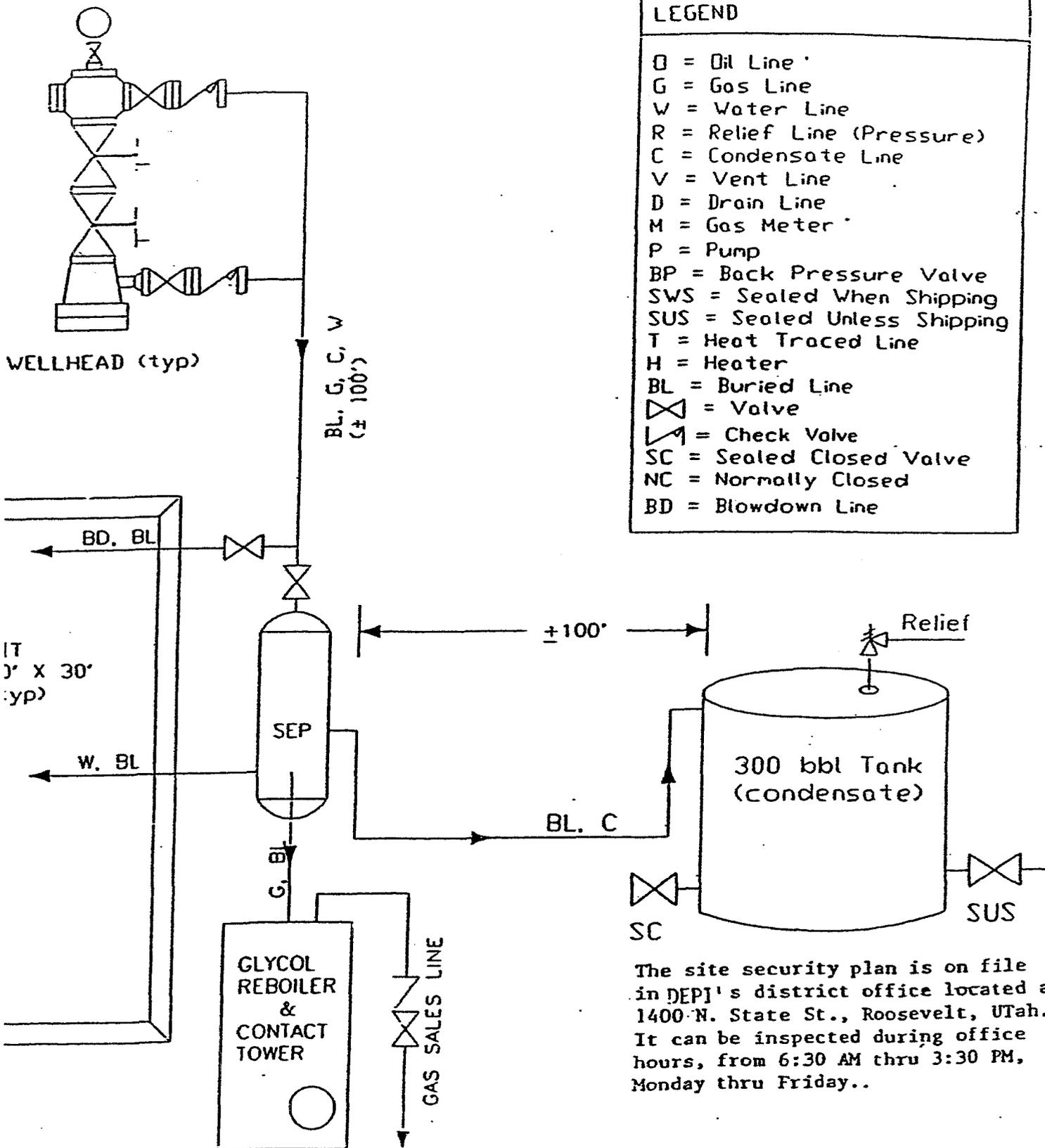


**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP** 07/07/06  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00





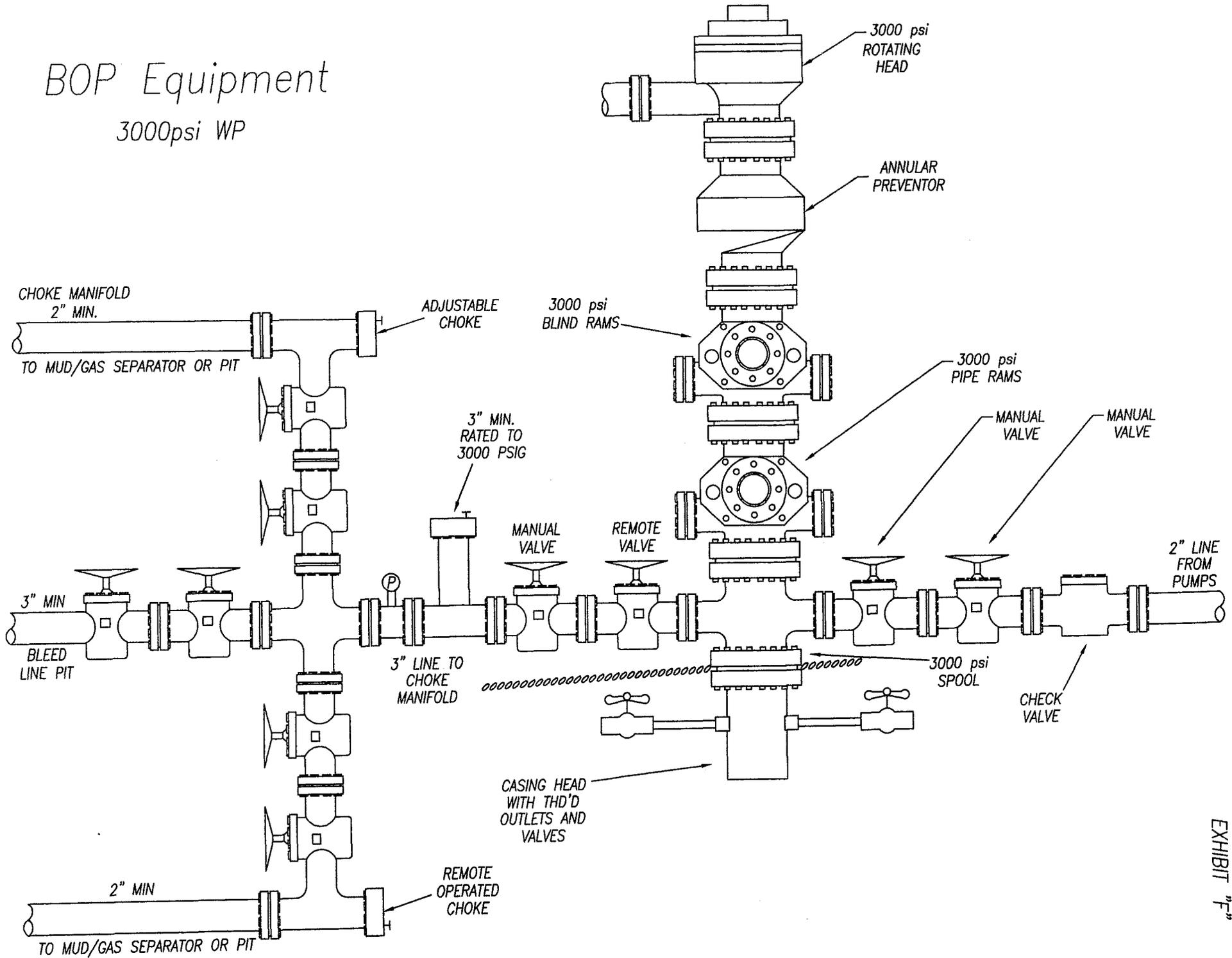
**LEGEND**

- Ø = Oil Line
- G = Gas Line
- W = Water Line
- R = Relief Line (Pressure)
- C = Condensate Line
- V = Vent Line
- D = Drain Line
- M = Gas Meter
- P = Pump
- BP = Back Pressure Valve
- SWS = Sealed When Shipping
- SUS = Sealed Unless Shipping
- T = Heat Traced Line
- H = Heater
- BL = Buried Line
- ⊗ = Valve
- ↗ = Check Valve
- SC = Sealed Closed Valve
- NC = Normally Closed
- BD = Blowdown Line

The site security plan is on file in DEPI's district office located at 1400 N. State St., Roosevelt, Utah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..

# BOP Equipment

3000psi WP



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 09/05/2006

API NO. ASSIGNED: 43-047-38598
--------------------------------

WELL NAME: RBU 20-14E  
 OPERATOR: DOMINION EXPL & PROD ( N1095 )  
 CONTACT: DON HAMILTON

PHONE NUMBER: 405-749-5263

PROPOSED LOCATION:

see 14

SENE 15 100S 190E  
 SURFACE: 1821 FNL 0532 FEL  
 BOTTOM: 1100 FNL 0100 FWL  
 COUNTY: UINTAH  
 LATITUDE: 39.94975 LONGITUDE: -109.7604  
 UTM SURF EASTINGS: 605896 NORTHINGS: 4422705  
 FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
<b>Tech Review</b>	<b>Initials</b>	<b>Date</b>
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: U-013792  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

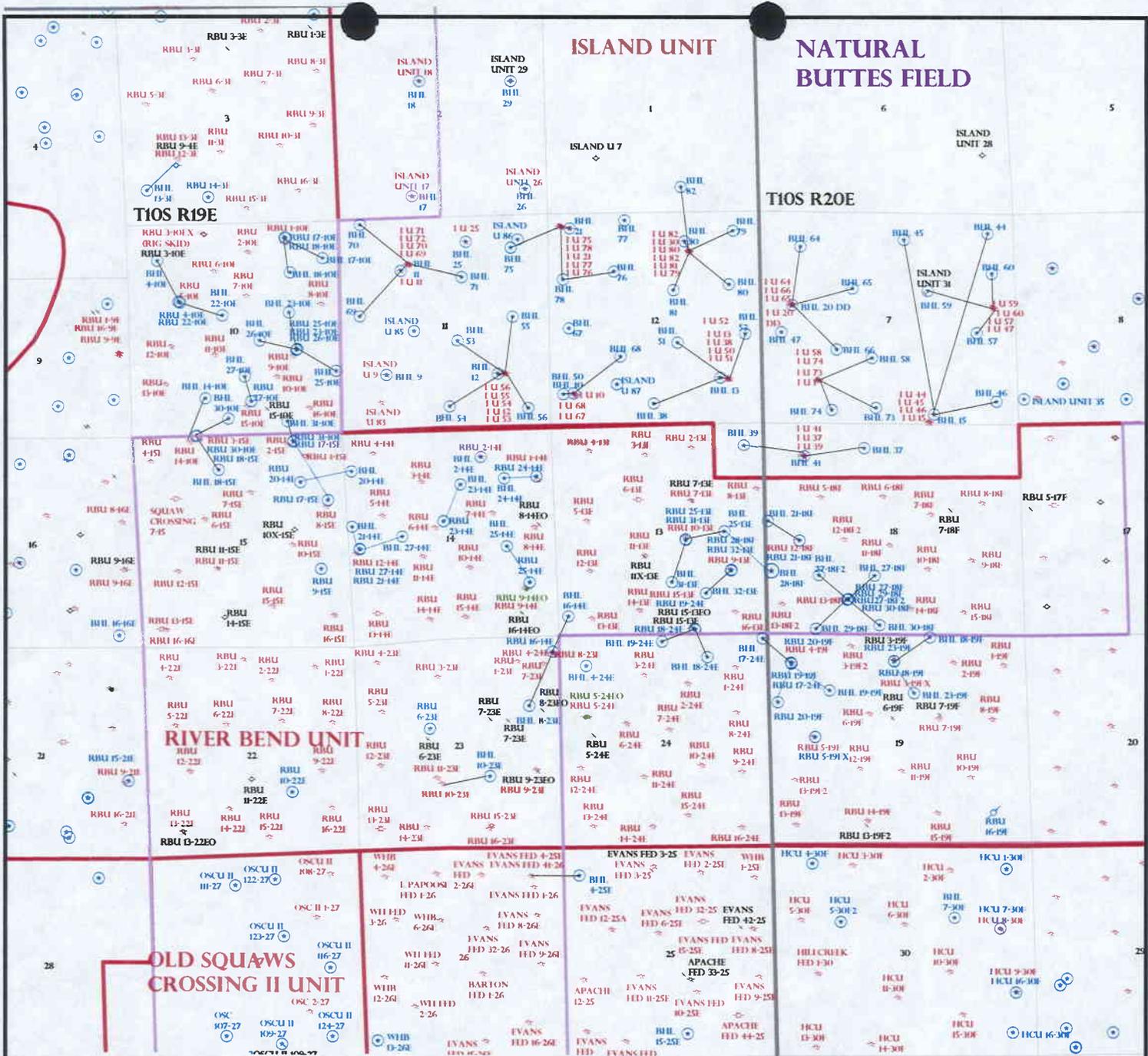
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WY 3322 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-10447 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: RIVER BEND
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 254-01  
Eff Date: 8-18-06  
Siting: Surfords R649-3-11
- R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: 1- Lease Approved



OPERATOR: DOMINION EXPL & PROD (N1095)

SEC: 10,13,14,15 T.10S R. 19E

FIELD: NATURAL BUTTES (630)

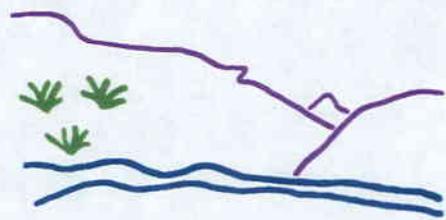
COUNTY: UINTAH

SPACING: R649-3-11 / DIRECTIONAL DRILLING

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

- Unit Status**
- EXPLORATORY
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PENDING
  - PI OIL
  - PP GAS
  - PP GEOTHERML
  - PP OIL
  - SECONDARY
  - TERMINATED

- Wells Status**
- GAS INJECTION
  - GAS STORAGE
  - LOCATION ABANDONED
  - NEW LOCATION
  - PLUGGED & ABANDONED
  - PRODUCING GAS
  - PRODUCING OIL
  - SHUT-IN GAS
  - SHUT-IN OIL
  - TEMP. ABANDONED
  - TEST WELL
  - WATER INJECTION
  - WATER SUPPLY
  - WATER DISPOSAL
  - DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 31-AUGUST-2006

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

September 19, 2006

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development River Bend Unit Uintah County,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the River Bend Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ MesaVerde)		
43-047-38582	RBU 17-10E Sec 10 T10S R19E 0477 FNL 1390 FEL BHL Sec 10 T10S R19E 1000 FNL 0465 FEL	
43-047-38584	RBU 27-10E Sec 10 T10S R19E 0723 FSL 2350 FEL BHL Sec 10 T10S R19E 1350 FSL 2500 FEL	
43-047-38585	RBU 26-10E Sec 10 T10S R19E 1995 FSL 1184 FEL BHL Sec 10 T10S R19E 2250 FSL 2100 FEL	
43-047-38586	RBU 25-10E Sec 10 T10S R19E 2013 FSL 1160 FEL BHL Sec 10 T10S R19E 1450 FSL 0200 FEL	
43-047-38587	RBU 23-10E Sec 10 T10S R19E 2007 FSL 1168 FEL BHL Sec 10 T10S R19E 2350 FNL 1350 FEL	
43-047-38588	RBU 22-10E Sec 10 T10S R19E 2064 FNL 1241 FWL BHL Sec 10 T10S R19E 2400 FNL 2300 FWL	
43-047-38543	RBU 28-18F Sec 13 T10S R19E 1640 FSL 0901 FEL BHL Sec 18 T20S R20E 1600 FSL 0100 FWL	
43-047-38544	RBU 18-24E Sec 13 T10S R19E 0143 FSL 1844 FEL	

BHL Sec 24 T10S R19E 0550 FNL 1550 FEL

Page 2

43-047-38545 RBU 19-24E Sec 13 T10S R19E 0159 FSL 1855 FEL  
BHL Sec 24 T10S R19E 0150 FNL 2550 FWL

43-047-38546 RBU 25-13E Sec 13 T10S R19E 2418 FSL 2023 FEL  
BHL Sec 13 T10S R19E 2700 FNL 1050 FEL

43-047-38547 RBU 31-13E Sec 13 T10S R19E 2433 FSL 2036 FEL  
BHL Sec 13 T10S R19E 1350 FSL 2400 FEL

43-047-38589 RBU 21-14E Sec 14 T10S R19E 2240 FSL 0210 FWL  
BHL Sec 14 T10S R19E 2500 FNL 0050 FWL

43-047-38590 RBU 27-14E Sec 14 T10S R19E 2230 FSL 0209 FWL  
BHL Sec 14 T10S R19E 2550 FSL 1300 FWL

43-047-38592 RBU 24-14E Sec 14 T10S R19E 1257 FNL 0432 FEL  
BHL Sec 14 T10S R19E 1300 FNL 1250 FEL

43-047-38593 RBU 23-14E Sec 14 T10S R19E 2375 FNL 2360 FWL  
BHL Sec 14 T10S R19E 1450 FNL 2350 FEL

43-047-38595 RBU 31-10E Sec 15 T10S R19E 0305 FNL 1324 FEL  
BHL Sec 10 T10S R19E 0200 FSL 1450 FEL

43-047-38596 RBU 17-15E Sec 15 T10S R19E 0320 FNL 1324 FEL  
BHL Sec 15 T10S R19E 1350 FNL 1200 FEL

43-047-38597 RBU 18-15E Sec 15 T10S R19E 0125 FNL 1570 FWL  
BHL Sec 15 T10S R19E 1000 FNL 2100 FWL

43-047-38598 RBU 20-14E Sec 15 T10S R19E 1821 FNL 0532 FEL  
BHL Sec 14 T10S R19E 1100 FNL 0100 FWL

43-047-38554 RBU 21-18F Sec 18 T10S R20E 2379 FSL 0834 FWL  
BHL Sec 18 T10S R20E 2450 FNL 0050 FWL

43-047-38555 RBU 27-18F Sec 18 T10S R20E 0902 FSL 2032 FWL  
BHL Sec 18 T10S R20E 1500 FSL 2700 FWL

43-047-38556 RBU 27-18F2 Sec 18 T10S R20E 0888 FSL 2005 FWL  
BHL Sec 18 T10S R20E 1500 FSL 1300 FWL

43-047-38557 RBU 30-18F Sec 18 T10S R20E 0897 FSL 2023 FWL  
BHL Sec 18 T10S R20E 0250 FSL 2800 FWL

43-047-38558 RBU 29-18F Sec 18 T10S R20E 0884 FSL 1996 FWL  
BHL Sec 18 T10S R20E 0150 FSL 1200 FWL

43-047-28549 RBU 17-24E Sec 19 T10S R20E 0703 FNL 0546 FWL  
BHL Sec 24 T10S R19E 0100 FNL 0150 FEL

43-047-38550 RBU 18-19F Sec 19 T10S R20E 0650 FNL 3147 FWL  
BHL Sec 19 T10S R20E 0050 FNL 2400 FEL

Page 3

43-047-38551 RBU 19-19F Sec 19 T10S R20E 0730 FNL 0558 FWL  
BHL Sec 19 T10S R20E 1400 FNL 1500 FWL

43-047-38552 RBU 20-19F Sec 19 T10S R20E 0721 FNL 0554 FWL  
BHL Sec 19 T10S R20E 1700 FNL 0200 FWL

43-047-38553 RBU 23-19F Sec 19 T10S R20E 0654 FNL 3156 FWL  
BHL Sec 19 T10S R20E 1450 FNL 2850 FEL

43-047-38548 RBU 32-13E Sec 13 T10S R19E 1624 FSL 0913 FEL  
BHL Sec 13 T10S R19E 1050 FSL 1550 FEL

43-047-38583 RBU 18-10E Sec 10 T10S R19E 0471 FNL 1409 FEL  
BHL Sec 10 T10S R19E 1350 FNL 1300 FEL

43-047-38591 RBU 25-14E Sec 14 T10S R19E 1380 FSL 0721 FEL  
BHL Sec 14 T10S R19E 2300 FSL 1250 FEL

43-047-38594 RBU 30-10E Sec 15 T10S R19E 0123 FNL 1590 FWL  
BHL Sec 10 T10S R19E 0300 FSL 2400 FWL

Our records indicate the RBU 25-10E is closer than 460 feet from the River Bend Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – River Bend Unit  
Division of Oil Gas and Mining



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

September 25, 2006

Dominion Exploration & Production, Inc.  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

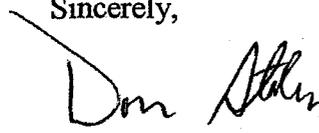
Re: RBU 20-14E Well, Surface Location 1821' FNL, 532' FEL, SE NE, Sec. 15,  
T. 10 South, R. 19 East, Bottom Location 1100' FNL, 100' FWL, NW NW,  
Sec. 14, T. 10 South, R. 19 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38598.

Sincerely,

  
for Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
 Dominion Exploration & Production, Inc.

3a. Address                      Suite 600  
 14000 Quail Springs Parkway, OKC, OK 73134

3b. Phone No. (include area code)  
 (405) 749-1300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1,821' FNL & 532' FEL, SE NE, Section 15-10S-19E  
 1,100' FNL & 100' FWL, NW NW, Section 14-10S-19E

5. Lease Serial No.  
 U-013792

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
 River Bend Unit

8. Well Name and No.  
 RBU 20-14E

9. API Well No.  
 43-047-38598

10. Field and Pool, or Exploratory Area  
 Natural Buttes

11. County or Parish, State  
 Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>Drilling Plan</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please find attached a new drilling plan. Previous plan submitted with APD showed formation tops at TVD, the corrected plan shows measured depth.

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

**RECEIVED**  
**NOV 07 2006**  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)                      **Keri Pfeifer**                      Title                      **Associate Regulatory Specialist**

Signature                      *Keri Pfeifer*                      Date                      **10/31/06**

Approved by                      \_\_\_\_\_                      Title                      \_\_\_\_\_                      Date                      \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office                      \_\_\_\_\_

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### Attachment for Permit to Drill

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 20-14E  
SHL: 1821' FNL & 532' FEL Section 15-10S-19E  
BHL: 1100' FNL & 100' FWL Section 14-10S-19E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,478'
Uteland Limestone	4,848'
Wasatch	5,008'
Chapita Wells	5,938'
Uteland Buttes	7,188'
Mesaverde	8,078'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,478'	Oil
Uteland Limestone	4,848'	Oil
Wasatch	5,008'	Gas
Chapita Wells	5,938'	Gas
Uteland Buttes	7,188'	Gas
Mesaverde	8,078'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,553'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,978'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

## DRILLING PLAN

### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' – 500'	8.4	Air foam mist, no pressure control
500' – 3,553'	8.6	Fresh water, rotating head and diverter
3,553' – 8,978'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H<sub>2</sub>S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

##### a. Surface Cement:

- Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.

##### b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 3,553'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u> <u>Volume</u>	<u>Cement</u> <u>Volume</u>
Lead	420	0'-3,053'	10.5 ppg	4.14 CFS	994 CF	1,740 CF
Tail	254	3,053'-3,553'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 4.14 cf/sack                      Slurry weight: 10.5 #/gal.  
Water requirement: 26.07 gal/sack  
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.  
Slurry yield: 1.20 cf/sack                      Slurry weight: 15.6 #/gal.  
Pump Time: 1 hr. 5 min. @ 110 °F.  
Compressives @ 110 °F: 2,500 psi after 24 hours

##### c. Production Casing Cement:

- Drill 7-7/8" hole to 8,978'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u> <u>Volume</u>	<u>Cement</u> <u>Volume</u>
Lead	90	4,208'-5,008'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	790	5,008'-8,978'	13.0 ppg	1.75 CFS	688 CF	1379 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.12 cf/sack                      Slurry weight: 11.60 #/gal.  
Water requirement: 17.71 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/ JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
Slurry yield: 1.75 cf/sack                      Slurry weight: 13.00 #/gal.  
Water requirement: 9.09 gal/sack  
Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: March 1, 2007  
Duration: 14 Days

# RECEIVED

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SEP 05 2006

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. U-013792
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Dominion Exploration & Production, Inc.		7. If Unit or CA Agreement, Name and No. River Bend Unit
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134	3b. Phone No. (include area code) 405-749-5263	8. Lease Name and Well No. RBU 20-14E
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 1,821' FNL & 532' FEL, SE/4 NE/4, Section 15, At proposed prod. zone 1,100' FNL & 100' FWL, NW/4 NW/4, Section 14,		9. API Well No. 43,047,38598
14. Distance in miles and direction from nearest town or post office* 10.55 miles southwest of Ouray, Utah		10. Field and Pool, or Exploratory Natural Buttes
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 532'		11. Sec., T. R. M. or Blk. and Survey or Area T10S, R19E, SLB&M
16. No. of acres in lease 1,882.20 acres	17. Spacing Unit dedicated to this well 20 acres	12. County or Parish Uintah
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 19.94'	19. Proposed Depth 8,750' TVD (8,978' MD)	13. State UT
20. BLM/BIA Bond No. on file WY 3322	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,142' GR	22. Approximate date work will start* 03/01/2007
23. Estimated duration 14 days		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature <i>Don Hamilton</i>	Name (Printed/Typed) Don Hamilton	Date 08/31/2006
-----------------------------------	--------------------------------------	--------------------

Title  
Agent for Dominion

Approved by (Signature) <i>Jerry Kavcicka</i>	Name (Printed/Typed) JERRY KAVCICKA	Date 10-22-2006
---	--	--------------------

Title  
Assistant Field Manager  
Lands & Mineral Resources  
Office  
VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

# RECEIVED

JAN 16 2007

CONFIDENTIAL

**NOTICE OF APPROVAL**

**CONDITIONS OF APPROVAL ATTACHED**

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

<b>Company:</b> Dominion Exploration & Production	<b>Location:</b> SENE, Sec 15, T10S, R19E
<b>Well No:</b> RBU 20-14E	<b>Lease No:</b> UTU-013792
<b>API No:</b> 43-047-38598	<b>Agreement:</b> River Bend Unit

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	James Ashley	Office: 435-781-4470	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chuck MacDonald	Office: 435-781-4486	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
<b>After hours contact number:</b> (435) 781-4513		<b>FAX:</b> (435) 781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

- |   |  |
|---|--|
| Location Construction<br>(Notify Karl Wright)               | - Forty-Eight (48) hours prior to construction of location and access roads  |
| Location Completion<br>(Notify Karl Wright)                 | - Prior to moving on the drilling rig.   |
| Spud Notice<br>(Notify PE)                                  | - Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify Jamie Sparger SPT)     | - Twenty-Four (24) hours prior to running casing and cementing all casing strings.   |
| BOP & Related Equipment Tests<br>(Notify Jamie Sparger SPT) | - Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(Notify PE)                      | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

Surface Conditions of Approval or monitoring are listed in the Surface Use Plan of the APDs.

- For well RBU 20-14E, the operator agrees to coordinate with Questar where the pipeline will cross the Questar pipeline. Dominion will bury under the Questar pipeline or ramp over the line as agreed upon.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee will submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods.

The interim seed mix for reclamation will be:

Hy-crest Crested Wheat grass	<i>Agropyron cristatum</i>	4 lbs per acre
Indian rice grass	<i>Orazopsis hymenoides</i>	4 lbs per acre
Needle and Thread grass	<i>Stipa comata</i>	4 lbs per acre

- If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil re-spread over the surface; and, the surface re-vegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

## **DOWNHOLE CONDITIONS OF APPROVAL**

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- A Cement Bond Log (CBL) shall be run from the TD to the top of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office for review.
- The top of the production casing cement shall extend a minimum of 200 feet above the intermediate casing shoe.
- Variance granted:
- Eighty foot long blooie line approved

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
- Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.
- All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.
- BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
- All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- The lessee/operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, etc.) to Peter Sokolosky or another geologist of the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
- No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.
- Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30

days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, shall the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and / or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
1. DJJ
2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: 7/1/2007

<b>FROM:</b> (Old Operator): N1095-Dominion Exploration & Production, Inc 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134  Phone: 1 (405) 749-1300	<b>TO:</b> ( New Operator): N2615-XTO Energy Inc 810 Houston St Fort Worth, TX 76102  Phone: 1 (817) 870-2800
--	--

WELL NAME	CA No.	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST									

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/6/2007
- a. Is the new operator registered in the State of Utah: Business Number: 5655506-0143
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- (R649-9-2)Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: \_\_\_\_\_
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: \_\_\_\_\_
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 9/27/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/27/2007
- Bond information entered in RBDMS on: 9/27/2007
- Fee/State wells attached to bond in RBDMS on: 9/27/2007
- Injection Projects to new operator in RBDMS on: 9/27/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB000138
- Indian well(s) covered by Bond Number: n/a
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762
- The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

**COMMENTS:**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER:
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>SEE ATTACHED</b>
2. NAME OF OPERATOR: <b>XTO Energy Inc. N2615</b>		9. API NUMBER: <b>SEE ATTACHED</b>
3. ADDRESS OF OPERATOR: 810 Houston Street CITY <b>Fort Worth</b> STATE <b>TX</b> ZIP <b>76102</b>		10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>SEE ATTACHED</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc. **N1095**  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

**James D. Abercrombie** (405) 749-1300  
James D. Abercrombie  
Sr. Vice President, General Manager - Western Business Unit

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) <u>Edwin S. Ryan, Jr.</u>	TITLE <u>Sr. Vice President - Land Administration</u>
SIGNATURE <u><i>Edwin S. Ryan, Jr.</i></u>	DATE <u>7/31/2007</u>

(This space for State use only)

**APPROVED** 9127107  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**  
**AUG 06 2007**  
DIV. OF OIL, GAS & MINING

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

**Request to Transfer Application or Permit to Drill**

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	SEE ATTACHED LIST
API number:	
Location:	Qtr-Qtr:                      Section:                      Township                      Range
Company that filed original application:	DOMINION E&P
Date original permit was issued:	
Company that permit was issued to:	DOMINION E&P

Check one	Desired Action:
<input type="checkbox"/>	Transfer pending (unapproved) Application for Permit to Drill to new operator
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		✓
If so, has the surface agreement been updated?		
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		✓
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		✓
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		✓
Has the approved source of water for drilling changed?		✓
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		✓
Is bonding still in place, which covers this proposed well? Bond No. <u>104312762</u>	✓	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) HOLLY C. PERKINS Title REGULATORY COMPLIANCE TECH  
 Signature *Holly C. Perkins* Date 08/27/2007  
 Representing (company name) XTO ENERGY INC.

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

AUG 30 2007

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well_name	qtr_qtr	sec	tpw	rng	lease_num	entity	Lease	well	stat
4304736202	RBU 2-20E	NWNE	20	100S	190E	U-03505		Federal	GW	APD
4304736203	RBU 15-20E	SWSE	20	100S	190E	U-03505		Federal	GW	APD
4304736204	RBU 10-20E	NWSE	20	100S	190E	U-03505		Federal	GW	APD
4304736205	RBU 14-21E	SESW	21	100S	190E	U-013766		Federal	GW	APD
4304736295	RBU 10-21E	NWSE	21	100S	190E	U-013766		Federal	GW	APD
4304736426	RBU 7-9E	NWSE	09	100S	190E	U-03505		Federal	GW	APD
4304736430	RBU 16-20E	SESE	20	100S	190E	U-03505		Federal	GW	APD
4304736431	RBU 13-21E	SESE	20	100S	190E	U-013766		Federal	GW	APD
4304736606	RBU 14-11F	SESW	11	100S	200E	U-7206		Federal	GW	APD
4304737032	RBU 1-4E	NENE	04	100S	190E	U-013792		Federal	GW	APD
4304737423	RBU 2-21F	SWSE	16	100S	200E	U-013793-A		Federal	OW	APD
4304737569	RBU 14-15F	SESW	15	100S	200E	U-7206		Federal	OW	APD
4304737648	RBU 6-4E	SWNE	04	100S	190E	U-013792		Federal	GW	APD
4304737649	RBU 12-17E	NWSW	17	100S	190E	U-03505		Federal	GW	APD
4304737650	RBU 13-17E	SWSW	17	100S	190E	U-03505		Federal	GW	APD
4304737651	RBU 6-23E	SENW	23	100S	190E	U-013766		Federal	GW	APD
4304737652	RBU 7-16F	SWNE	16	100S	200E	U-7206		Federal	GW	APD
4304737748	RBU 14-16F	SWSE	16	100S	200E	U-7206		Federal	GW	APD
4304738341	RBU 15-21E	SWSE	21	100S	190E	U 013766		Federal	GW	APD
4304738544	RBU 18-24E	SWSE	13	100S	190E	U 013794		Federal	GW	APD
4304738545	RBU 19-24E	SWSE	13	100S	190E	U 013794		Federal	GW	APD
4304738546	RBU 25-13E	NWSE	13	100S	190E	U-013765		Federal	GW	APD
4304738547	RBU 31-13E	NWSE	13	100S	190E	U-013765		Federal	GW	APD
4304738549	RBU 17-24E	NWNW	19	100S	200E	U-013794		Federal	GW	APD
4304738550	RBU 18-19F	NENW	19	100S	200E	U 013769-A		Federal	GW	APD
4304738551	RBU 19-19F	NWNW	19	100S	200E	U 013769-A		Federal	GW	APD
4304738552	RBU 20-19F	NWNW	19	100S	200E	U 013769-A		Federal	GW	APD
4304738553	RBU 23-19F	NENW	19	100S	200E	U013769-A		Federal	GW	APD
4304738554	RBU 21-18F	NWSW	18	100S	200E	U013769-A		Federal	GW	APD
4304738582	RBU 17-10E	NWNE	10	100S	190E	U-013792		Federal	GW	APD
4304738583	RBU 18-10E	NWNE	10	100S	190E	U-013792		Federal	GW	APD
4304738584	RBU 27-10E	SWSE	10	100S	190E	U-013792		Federal	GW	APD
4304738585	RBU 26-10E	NESE	10	100S	190E	U-013792		Federal	GW	APD
4304738586	RBU 25-10E	NESE	10	100S	190E	U-013792		Federal	GW	APD
4304738587	RBU 23-10E	NESE	10	100S	190E	U-013792		Federal	GW	APD
4304738588	RBU 22-10E	SWNW	10	100S	190E	U-035316		Federal	GW	APD
4304738589	RBU 21-14E	NWSW	14	100S	190E	U-013792		Federal	GW	APD
4304738590	RBU 27-14E	NWSW	14	100S	190E	U-013792		Federal	GW	APD
4304738591	RBU 25-14E	NESE	14	100S	190E	U-013792		Federal	GW	APD
4304738592	RBU 24-14E	NENE	14	100S	190E	U-013792		Federal	GW	APD
4304738593	RBU 23-14E	SENW	14	100S	190E	U-013792		Federal	GW	APD
4304738594	RBU 30-10E	NENW	15	100S	190E	U-013792		Federal	GW	APD
4304738597	RBU 18-15E	NENW	15	100S	190E	U-013766		Federal	GW	APD
4304738598	RBU 20-14E	SENE	15	100S	190E	U-013792		Federal	GW	APD



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
3180  
UT-922

Dominion Exploration & Production, Inc.  
Attn: James D. Abercrombie  
14000 Quail Springs Parkway, #600  
Oklahoma City, OK 73134-2600

August 10, 2007

Re: River Bend Unit  
Uintah County, Utah

Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the River Bend Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the River Bend Unit Agreement.

Your statewide oil and gas bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

*/s/ Greg J. Noble*

Greg J. Noble  
Acting Chief, Branch of Fluid Minerals

Enclosure

RECEIVED  
AUG 16 2007  
DIV. OF OIL, GAS & MINING

RECEIVED  
SEP 10 2007

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
U-013792

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
N/A

7. UNIT or CA AGREEMENT NAME:  
River Bend Unit

8. WELL NAME and NUMBER:  
RBU 20-14E

9. API NUMBER:  
4304738598

10. FIELD AND POOL, OR WILDCAT:  
Natural Buttes

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
XTO Energy

3. ADDRESS OF OPERATOR: P.O. Box 1360 CITY Roosevelt STATE UT ZIP 84066 PHONE NUMBER: (435) 722-4521

4. LOCATION OF WELL FOOTAGES AT SURFACE: 1,821' FNL & 532' FEL COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 14 10S 19E S STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Permit Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

XTO Energy hereby requests a one year extension of the state permit for the referenced well.

This is the first extension that has been requested.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-02-07  
By: *[Signature]*

10-3-07  
Rm

NAME (PLEASE PRINT) Marnie Griffin

TITLE Agent for XTO Energy

SIGNATURE *[Signature]*

DATE 9/7/2007

(This space for State use only)

RECEIVED

SEP 10 2007

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738598  
Well Name: RBW 20-14E  
Location: 14-10S-19E 1,821' FNL & 532' FEL  
Company Permit Issued to: XTO Energy  
Date Original Permit Issued: 9/25/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

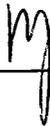
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

Signature



9/7/2007

Date

Title: Agent

Representing: XTO Energy

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator **XTO Energy, Inc.**

3a. Address  
**PO Box 1360; 978 North Crescent, Roosevelt, UT 84066**

3b. Phone No. (include area code)  
**435-722-4521**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1,821' FNL & 532' FEL, SE/4 NE/4, Section 15, T10S, R19E, SLB&M**

5. Lease Serial No.  
**U-013792**

6. If Indian, Allottee or Tribe Name  
**N/A**

7. If Unit or CA/Agreement, Name and/or No.  
**River Bend Unit**

8. Well Name and No.  
**RBU 20-14E**

9. API Well No.  
**4304738598**

10. Field and Pool, or Exploratory Area  
**Natural Buttes**

11. County or Parish, State  
**Uintah County, Utah**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other <u>Permit Extension</u>

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

XTO Energy hereby requests a one year extension of the federal permit for the referenced well that expires on 12-22-07.

This is the first extension that has been requested. The federal permit was formerly in the name of Dominion Exploration & Production, Inc.

14. I hereby certify that the foregoing is true and correct  
 Name (Printed/Typed)

**Don Hamilton**

Title **Agent for XTO Energy, Inc.**

Signature *Don Hamilton*

Date **10-10-2007**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

*[Signature]*  
 Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

**Petroleum Engineer**

Date **OCT 22 2007**

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED**

**NOV 07 2007**

DIV. OF OIL, GAS & MINING **CONDITIONS OF APPROVAL ATTACHED**



# CONDITIONS OF APPROVAL

## XTO Energy, Inc.

### Notice of Intent APD Extension

**Lease:** UTU-013792  
**Well:** RBU 20-14E  
**Location:** SENE Sec 15-T10S-R19E

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 12/22/08.
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Ryan Angus of this office at (435) 781-4430

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS** **DOG M COPY**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
**U-013792**

6. If Indian, Allottee or Tribe Name  
**N/A**

7. If Unit or CA/Agreement, Name and/or No.  
**RIVER BEND UNIT**

8. Well Name and No.  
**RBU 20-14E**

9. API Well No.  
**43-047-38598**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**

11. County or Parish, State  
**UINTAH UTAH**

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**XTO Energy Inc.**

3a. Address  
**382 CR 3100 Aztec, NM 87410**

3b. Phone No. (include area code)  
**505-333-3100**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1821' FNL & 532' FEL SENE SEC 15-T10S-R19E**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy Inc., proposes to change the current drilling program per attached documents.

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

**RECEIVED  
OCT 14 2008  
DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed) **JENNIFER M. HEMBRY** Title **FILE CLERK**

Signature *Jennifer M. Hembry* Date **10/08/2008**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Office \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**DOG M COPY**

# XTO ENERGY INC.

RBU 20-14E

APD Data

October 6, 2008

Location: 1821' FNL & 532' FEL, Sec. 15, T10S, R19E County: Uintah

State: Utah

Bottomhole Location: 1100' FNL & 100' FWL, Sec. 14, T10S, R19E

GREATEST PROJECTED TD: 8872' MD/ 8750' TVD

OBJECTIVE: Wasatch/Mesaverde

APPROX GR ELEV: 5142'

Est KB ELEV: 5156' (14' AGL)

## 1. MUD PROGRAM:

INTERVAL	0' to 2259'	2259' to 8872'
HOLE SIZE	12.25"	7.875"
MUD TYPE	FW/Spud Mud	KCl Based LSND / Gel Chemical
WEIGHT	8.80 ppg	8.6-9.2 ppg
VISCOSITY	NC	30-60 sec-qt <sup>-1</sup>
WATER LOSS	NC	8-15 cc/30 min

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes. The mud system will be monitored visually/manually.

## 2. CASING PROGRAM:

Surface Casing: 9.625" casing set at ±2259'MD/2200'TVD in a 12.25" hole filled with 8.8 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-2259'	2259'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.84

Production Casing: 5.5" casing set at ±8872'MD/8750'TVD in a 7.875" hole filled with 9.20 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-8872'	8872'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.90	2.34	2.31

Collapse and burst loads calculated at TVD with 0.1 psi/ft gas gradient back up.

## 3. WELLHEAD:

- A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread on bottom (or slip-on, weld-on) and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 5,000 psig WP, 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

## 4. CEMENT PROGRAM:

- A. Surface: 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at ±2259' in 12.25" hole.

### LEAD:

±223 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.0 ppg, 3.82 ft<sup>3</sup>/sk, 22.95 gal wtr/sx.

### TAIL:

350 sx Class G or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 15.6 ppg, 1.2 cuft/sx

*Total estimated slurry volume for the 9.625" surface casing is 1272.3 ft<sup>3</sup>. Slurry includes 75% excess of calculated open hole annular volume to 2259'.*

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±8872' in 7.875" hole.

LEAD:

±278 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.10 ft<sup>3</sup>/sk, 17.71 gal wtr/sx.

TAIL:

400 sx Class G or equivalent cement with poz, bonding additive, LCM, dispersant, & fluid loss mixed at 13.0 ppg, 1.49 cuft/sx, 9.09 gal/sx.

*Total estimated slurry volume for the 5.5" production casing is 1458.0 ft<sup>3</sup>. Slurry includes 15% excess of calculated open hole annular volume.*

*Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 15% or greater excess. The cement is designed to circulate on surface casing string. The production casing is designed for 1759' top of cement.*

5. LOGGING PROGRAM:

- A. Mud Logger: The mud logger will come on at intermediate casing point and will remain on the hole until TD. The mud will be logged in 10' intervals.
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (8872') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (8872') to 2259'. Run Gamma Ray to surface.

6. FORMATION TOPS:

Please see attached directional plan.

7. ANTICIPATED OIL, GAS, & WATER ZONES:

No change.

8. BOP EQUIPMENT:

Surface will utilize a 500 psi or greater diverter.

Production hole will be drilled with a 3000 psi BOP stack.

Minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double ram with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to stack working pressure if isolated by test plug or to 70% of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10% in 30 minutes

occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50% of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed:
- b. whenever any seal subject to test pressure is broken
- c. following related repairs: and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) shall be held open or the ball removed.

Annular preventers (if used) shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No.2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests. Pressure tests shall apply to all related well control equipment.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Test pressures for BOP equipment are as follows:

- Annular BOP -- 1500 psi
- Ram type BOP -- 3000 psi
- Kill line valves -- 3000 psi
- Choke line valves and choke manifold valves -- 3000 psi
- Chokes -- 3000 psi
- Casing, casinghead & weld -- 1500 psi
- Upper kelly cock and safety valve -- 3000 psi
- Dart valve -- 3000 psi

Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The BLM in Vernal, UT shall be notified, at least 24 hours prior to initiating the pressure test, in order to have a BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram.

- b. A choke line and a kill line are to be properly installed.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.
- e. See attached BOP & Choke manifold diagrams.

9. **COMPANY PERSONNEL:**

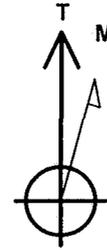
<b><u>Name</u></b>	<b><u>Title</u></b>	<b><u>Office Phone</u></b>	<b><u>Home Phone</u></b>
John Egelston	Drilling Engineer	505-333-3163	505-330-6902
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
Jeff Jackson	Project Geologist	817-885-2800	



# Well Name: RBU 20-14E

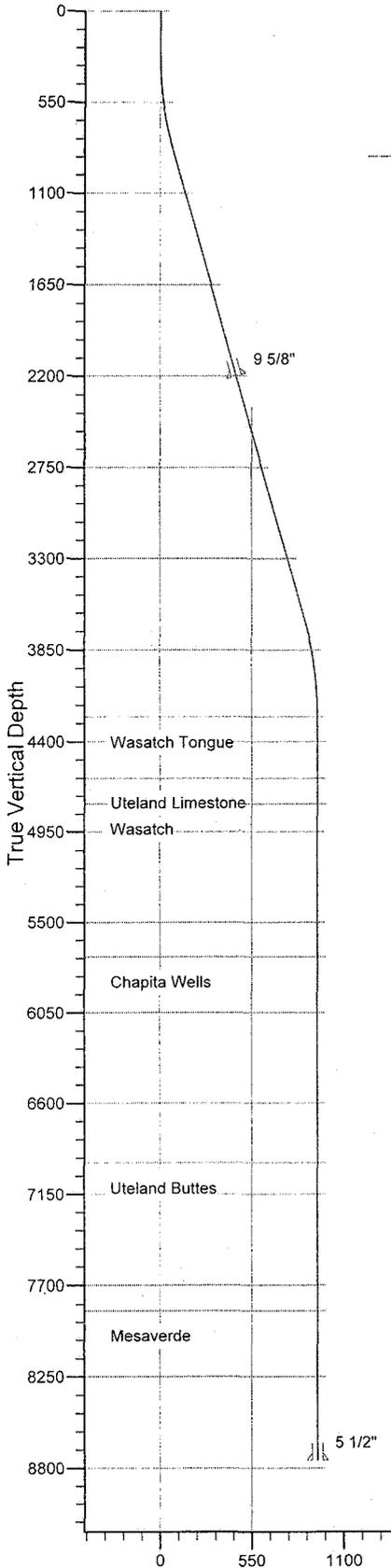
San Juan Division  
Drilling Department

Calculation Method: Minimum Curvature  
Geodetic Datum: North American Datum 1983  
Lat: 39° 56' 59.032 N  
Long: 109° 45' 40.540 W



Azimuths to True North  
Magnetic North: 11.51°

Magnetic Field  
Strength: 52556.6nT  
Dip Angle: 65.85°  
Date: 10/6/2008  
Model: IGRF200510



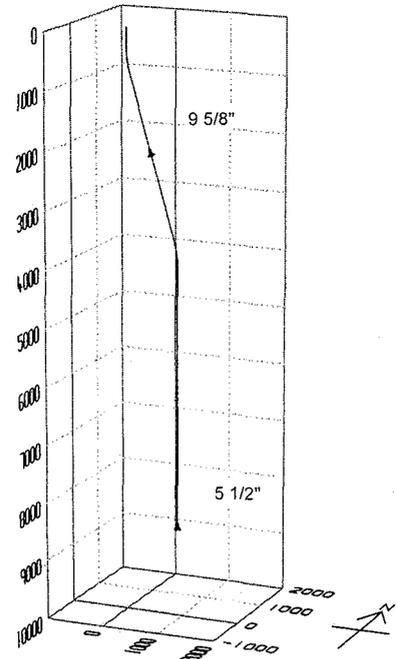
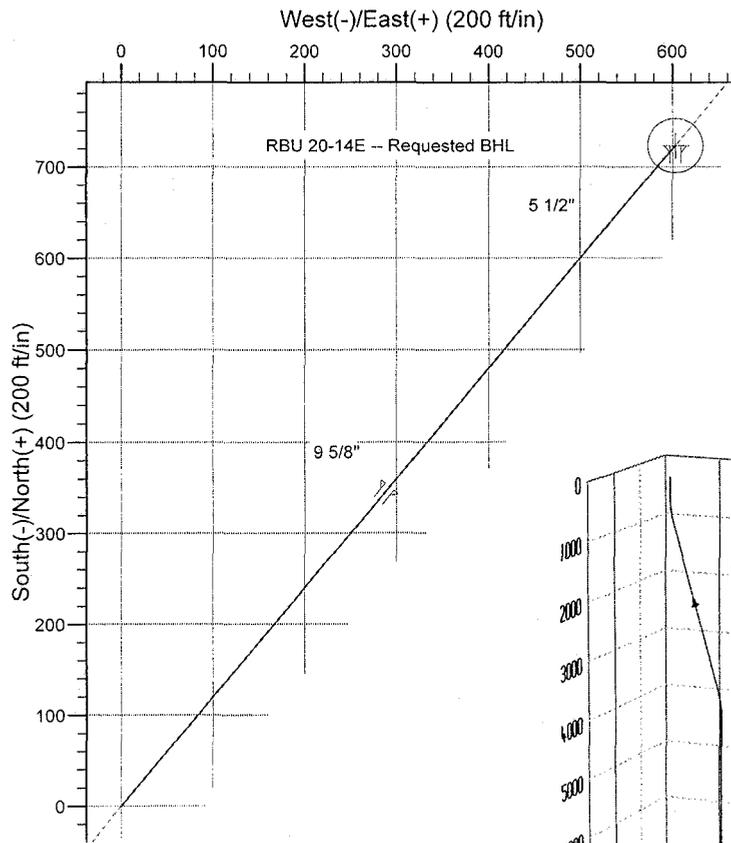
Vertical Section at 39.81°

### FORMATION TOP DETAILS

TVDPPath	MDPath	Formation
4250.0	4372.4	Wasatch Tongue
4620.0	4742.4	Uteland Limestone
4780.0	4902.4	Wasatch
5710.0	5832.4	Chapita Wells
6960.0	7082.4	Uteland Buttes
7850.0	7972.4	Mesaverde

### CASING DETAILS

TVDP	MD	Name	Size
2200.0	2259.3	9 5/8"	9-5/8
8750.0	8872.4	5 1/2"	5-1/2



### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	819.4	15.58	39.81	813.0	53.9	44.9	3.00	39.81	70.2	
4	3803.0	15.58	39.81	3687.0	669.6	558.1	0.00	0.00	871.7	
5	4322.4	0.00	0.00	4200.0	723.5	603.1	3.00	180.00	941.9	RBU 20-14E -- Requested BHL
6	8872.4	0.00	0.00	8750.0	723.5	603.1	0.00	0.00	941.9	

# **XTO Energy**

**Natural Buttes Wells(NAD83)**

**RBU 20-14E**

**RBU 20-14E**

**RBU 20-14E**

**Plan: Sundry'd Wellbore**

## **Standard Planning Report**

**06 October, 2008**

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 20-14E  
**Well:** RBU 20-14E  
**Wellbore:** RBU 20-14E  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well RBU 20-14E  
**TVD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Natural Buttes Wells(NAD83), Vernal, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Utah Northern Zone		

<b>Site</b>	RBU 20-14E, T10S, R19E				
<b>Site Position:</b>		<b>Northing:</b>	3,145,946.74 ft	<b>Latitude:</b>	39° 56' 59.032 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,127,974.86 ft	<b>Longitude:</b>	109° 45' 40.540 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	1.15 °

<b>Well</b>	RBU 20-14E, S-Well to Wasatch/Mesaverde					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	3,145,946.74 ft	<b>Latitude:</b>	39° 56' 59.032 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,127,974.86 ft	<b>Longitude:</b>	109° 45' 40.540 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,142.0 ft	<b>Ground Level:</b>	5,142.0 ft

<b>Wellbore</b>	RBU 20-14E				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	10/6/2008	11.51	65.85	52,557

<b>Design</b>	Sundry'd Wellbore			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	39.81

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
819.4	15.58	39.81	813.0	53.9	44.9	3.00	3.00	0.00	39.81	
3,803.0	15.58	39.81	3,687.0	669.6	558.1	0.00	0.00	0.00	0.00	
4,322.4	0.00	0.00	4,200.0	723.5	603.1	3.00	-3.00	0.00	180.00	RBU 20-14E -- Reque
8,872.4	0.00	0.00	8,750.0	723.5	603.1	0.00	0.00	0.00	0.00	

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 20-14E  
**Well:** RBU 20-14E  
**Wellbore:** RBU 20-14E  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well RBU 20-14E  
**TVD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	3.00	39.81	400.0	2.0	1.7	2.6	3.00	3.00	0.00	
500.0	6.00	39.81	499.6	8.0	6.7	10.5	3.00	3.00	0.00	
600.0	9.00	39.81	598.8	18.1	15.1	23.5	3.00	3.00	0.00	
700.0	12.00	39.81	697.1	32.1	26.7	41.7	3.00	3.00	0.00	
800.0	15.00	39.81	794.3	50.0	41.7	65.1	3.00	3.00	0.00	
819.4	15.58	39.81	813.0	53.9	44.9	70.2	3.00	3.00	0.00	
900.0	15.58	39.81	890.7	70.5	58.8	91.8	0.00	0.00	0.00	
1,000.0	15.58	39.81	987.0	91.2	76.0	118.7	0.00	0.00	0.00	
1,100.0	15.58	39.81	1,083.3	111.8	93.2	145.6	0.00	0.00	0.00	
1,200.0	15.58	39.81	1,179.6	132.5	110.4	172.4	0.00	0.00	0.00	
1,300.0	15.58	39.81	1,276.0	153.1	127.6	199.3	0.00	0.00	0.00	
1,400.0	15.58	39.81	1,372.3	173.7	144.8	226.2	0.00	0.00	0.00	
1,500.0	15.58	39.81	1,468.6	194.4	162.0	253.0	0.00	0.00	0.00	
1,600.0	15.58	39.81	1,564.9	215.0	179.2	279.9	0.00	0.00	0.00	
1,700.0	15.58	39.81	1,661.3	235.6	196.4	306.7	0.00	0.00	0.00	
1,800.0	15.58	39.81	1,757.6	256.3	213.6	333.6	0.00	0.00	0.00	
1,900.0	15.58	39.81	1,853.9	276.9	230.8	360.5	0.00	0.00	0.00	
2,000.0	15.58	39.81	1,950.2	297.5	248.0	387.3	0.00	0.00	0.00	
2,100.0	15.58	39.81	2,046.6	318.2	265.2	414.2	0.00	0.00	0.00	
2,200.0	15.58	39.81	2,142.9	338.8	282.4	441.1	0.00	0.00	0.00	
2,259.3	15.58	39.81	2,200.0	351.0	292.6	457.0	0.00	0.00	0.00	
<b>9 5/8"</b>										
2,300.0	15.58	39.81	2,239.2	359.4	299.6	467.9	0.00	0.00	0.00	
2,400.0	15.58	39.81	2,335.5	380.1	316.8	494.8	0.00	0.00	0.00	
2,500.0	15.58	39.81	2,431.8	400.7	334.0	521.7	0.00	0.00	0.00	
2,600.0	15.58	39.81	2,528.2	421.3	351.2	548.5	0.00	0.00	0.00	
2,700.0	15.58	39.81	2,624.5	442.0	368.4	575.4	0.00	0.00	0.00	
2,800.0	15.58	39.81	2,720.8	462.6	385.6	602.2	0.00	0.00	0.00	
2,900.0	15.58	39.81	2,817.1	483.2	402.8	629.1	0.00	0.00	0.00	
3,000.0	15.58	39.81	2,913.5	503.9	420.0	656.0	0.00	0.00	0.00	
3,100.0	15.58	39.81	3,009.8	524.5	437.2	682.8	0.00	0.00	0.00	
3,200.0	15.58	39.81	3,106.1	545.1	454.4	709.7	0.00	0.00	0.00	
3,300.0	15.58	39.81	3,202.4	565.8	471.6	736.6	0.00	0.00	0.00	
3,400.0	15.58	39.81	3,298.8	586.4	488.8	763.4	0.00	0.00	0.00	
3,500.0	15.58	39.81	3,395.1	607.0	506.0	790.3	0.00	0.00	0.00	
3,600.0	15.58	39.81	3,491.4	627.7	523.2	817.1	0.00	0.00	0.00	
3,700.0	15.58	39.81	3,587.7	648.3	540.4	844.0	0.00	0.00	0.00	
3,803.0	15.58	39.81	3,687.0	669.6	558.1	871.7	0.00	0.00	0.00	
3,900.0	12.67	39.81	3,781.0	687.8	573.3	895.4	3.00	-3.00	0.00	
4,000.0	9.67	39.81	3,879.1	702.6	585.7	914.7	3.00	-3.00	0.00	
4,100.0	6.67	39.81	3,978.1	713.6	594.8	928.9	3.00	-3.00	0.00	
4,200.0	3.67	39.81	4,077.7	720.5	600.6	938.0	3.00	-3.00	0.00	
4,300.0	0.67	39.81	4,177.6	723.4	603.0	941.7	3.00	-3.00	0.00	
4,322.4	0.00	0.00	4,200.0	723.5	603.1	941.9	3.00	-3.00	0.00	
<b>RBU 20-14E -- Requested BHL</b>										
4,372.4	0.00	0.00	4,250.0	723.5	603.1	941.9	0.00	0.00	0.00	
<b>Wasatch Tongue</b>										
4,400.0	0.00	0.00	4,277.6	723.5	603.1	941.9	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,377.6	723.5	603.1	941.9	0.00	0.00	0.00	

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 20-14E  
**Well:** RBU 20-14E  
**Wellbore:** RBU 20-14E  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well RBU 20-14E  
**TVD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,600.0	0.00	0.00	4,477.6	723.5	603.1	941.9	0.00	0.00	0.00
4,700.0	0.00	0.00	4,577.6	723.5	603.1	941.9	0.00	0.00	0.00
4,742.4	0.00	0.00	4,620.0	723.5	603.1	941.9	0.00	0.00	0.00
<b>Uteland Limestone</b>									
4,800.0	0.00	0.00	4,677.6	723.5	603.1	941.9	0.00	0.00	0.00
4,900.0	0.00	0.00	4,777.6	723.5	603.1	941.9	0.00	0.00	0.00
4,902.4	0.00	0.00	4,780.0	723.5	603.1	941.9	0.00	0.00	0.00
<b>Wasatch</b>									
5,000.0	0.00	0.00	4,877.6	723.5	603.1	941.9	0.00	0.00	0.00
5,100.0	0.00	0.00	4,977.6	723.5	603.1	941.9	0.00	0.00	0.00
5,200.0	0.00	0.00	5,077.6	723.5	603.1	941.9	0.00	0.00	0.00
5,300.0	0.00	0.00	5,177.6	723.5	603.1	941.9	0.00	0.00	0.00
5,400.0	0.00	0.00	5,277.6	723.5	603.1	941.9	0.00	0.00	0.00
5,500.0	0.00	0.00	5,377.6	723.5	603.1	941.9	0.00	0.00	0.00
5,600.0	0.00	0.00	5,477.6	723.5	603.1	941.9	0.00	0.00	0.00
5,700.0	0.00	0.00	5,577.6	723.5	603.1	941.9	0.00	0.00	0.00
5,800.0	0.00	0.00	5,677.6	723.5	603.1	941.9	0.00	0.00	0.00
5,832.4	0.00	0.00	5,710.0	723.5	603.1	941.9	0.00	0.00	0.00
<b>Chapita Wells</b>									
5,900.0	0.00	0.00	5,777.6	723.5	603.1	941.9	0.00	0.00	0.00
6,000.0	0.00	0.00	5,877.6	723.5	603.1	941.9	0.00	0.00	0.00
6,100.0	0.00	0.00	5,977.6	723.5	603.1	941.9	0.00	0.00	0.00
6,200.0	0.00	0.00	6,077.6	723.5	603.1	941.9	0.00	0.00	0.00
6,300.0	0.00	0.00	6,177.6	723.5	603.1	941.9	0.00	0.00	0.00
6,400.0	0.00	0.00	6,277.6	723.5	603.1	941.9	0.00	0.00	0.00
6,500.0	0.00	0.00	6,377.6	723.5	603.1	941.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,477.6	723.5	603.1	941.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,577.6	723.5	603.1	941.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,677.6	723.5	603.1	941.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,777.6	723.5	603.1	941.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,877.6	723.5	603.1	941.9	0.00	0.00	0.00
7,082.4	0.00	0.00	6,960.0	723.5	603.1	941.9	0.00	0.00	0.00
<b>Uteland Buttes</b>									
7,100.0	0.00	0.00	6,977.6	723.5	603.1	941.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,077.6	723.5	603.1	941.9	0.00	0.00	0.00
7,300.0	0.00	0.00	7,177.6	723.5	603.1	941.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,277.6	723.5	603.1	941.9	0.00	0.00	0.00
7,500.0	0.00	0.00	7,377.6	723.5	603.1	941.9	0.00	0.00	0.00
7,600.0	0.00	0.00	7,477.6	723.5	603.1	941.9	0.00	0.00	0.00
7,700.0	0.00	0.00	7,577.6	723.5	603.1	941.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,677.6	723.5	603.1	941.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,777.6	723.5	603.1	941.9	0.00	0.00	0.00
7,972.4	0.00	0.00	7,850.0	723.5	603.1	941.9	0.00	0.00	0.00
<b>Mesaverde</b>									
8,000.0	0.00	0.00	7,877.6	723.5	603.1	941.9	0.00	0.00	0.00
8,100.0	0.00	0.00	7,977.6	723.5	603.1	941.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,077.6	723.5	603.1	941.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,177.6	723.5	603.1	941.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,277.6	723.5	603.1	941.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,377.6	723.5	603.1	941.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,477.6	723.5	603.1	941.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,577.6	723.5	603.1	941.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,677.6	723.5	603.1	941.9	0.00	0.00	0.00

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 20-14E  
**Well:** RBU 20-14E  
**Wellbore:** RBU 20-14E  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well RBU 20-14E  
**TVD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5156.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,872.4	0.00	0.00	8,750.0	723.5	603.1	941.9	0.00	0.00	0.00
5 1/2"									

### Targets

#### Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
RBU 20-14E -- Request	0.00	0.00	4,200.0	723.5	603.1	3,146,682.16	2,128,563.33	39° 57' 6.180 N	109° 45' 32.797 W
- plan hits target									
- Circle (radius 30.0)									

### Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,259.3	2,200.0	9 5/8"	9-5/8	12-1/4
8,872.4	8,750.0	5 1/2"	5-1/2	7-7/8

### Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,372.4	4,250.0	Wasatch Tongue		0.00	
4,742.4	4,620.0	Uteland Limestone		0.00	
4,902.4	4,780.0	Wasatch		0.00	
5,832.4	5,710.0	Chapita Wells		0.00	
7,082.4	6,960.0	Uteland Buttes		0.00	
7,972.4	7,850.0	Mesaverde		0.00	

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		6. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-013792</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>N/A</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: <b>River Bend Unit</b>
		8. WELL NAME and NUMBER: <b>RBU 20-14E</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	2. NAME OF OPERATOR: <b>XTO Energy, Inc.</b>	9. API NUMBER: <b>4304738598</b>
3. ADDRESS OF OPERATOR: <b>P.O. Box 1360</b> CITY <b>Roosevelt</b> STATE <b>UT</b> ZIP <b>84066</b>	PHONE NUMBER: <b>(435) 722-4521</b>	10. FIELD AND POOL, OR WILDCAT: <b>Undesignated</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1,821' FNL &amp; 532' FEL</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>15 10S 19E S</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Permit Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

XTO Energy, Inc. hereby requests a one year extension of the state permit for the referenced well.  
This is the second extension that has been requested.

Approved by the  
Utah Division of  
Oil, Gas and Mining

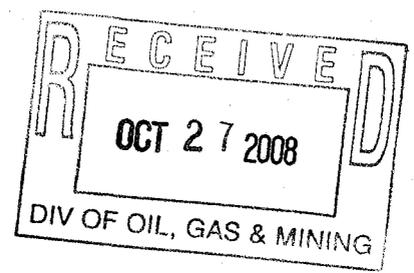
Date: 10/30/08  
By: D. Johnson

NAME (PLEASE PRINT) <u>Kendell Johnson</u>	TITLE <u>Agent for XTO Energy, Inc.</u>
SIGNATURE <u>Kendell Johnson</u>	DATE <u>9/22/2008</u>

(This space for State use only)

COPY SENT TO OPERATOR  
Date: 10.30.2008  
Initials: KJ

(See Instructions on Reverse Side)



(5/2000)

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304738598  
**Well Name:** RBU 20-14E  
**Location:** 1,821' FNL & 532' FEL 15-10S-19E  
**Company Permit Issued to:** XTO Energy, Inc.  
**Date Original Permit Issued:** 9/25/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

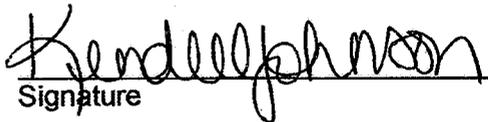
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

  
Signature

9/22/2008

Date

Title: Kendell Johnson

Representing: XTO Energy, Inc.

Spud

BLM - Vernal Field Office - Notification Form

Operator XTO Rig Name/# Pete Martin Air Rig Submitted By Rick Oman Phone Number 1-435-828-1456  
Well Name/Number RBU 20-14E  
Qtr/Qtr SENE Section 15 Township 10 South Range 19 East  
Lease Serial Number UTU-013792  
API Number 43-047-38598

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 12/15/2008 10:00 AM  PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time \_\_\_\_\_ AM  PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time \_\_\_\_\_ AM  PM

Remarks Thanks Rick.

\_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**DOGM COPY**

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>U-013792</b>
2. Name of Operator <b>XTO Energy Inc.</b>		6. If Indian, Allottee or Tribe Name <b>N/A</b>
3a. Address <b>382 CR 3100 Aztec, NM 87410</b>	3b. Phone No. (include area code) <b>505-333-3100</b>	7. If Unit or CA/Agreement, Name and/or No. <b>RIVER BEND UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1821' FNL &amp; 532' FEL SENE SEC 15-T10S-R19E</b>		8. Well Name and No. <b>REU 20-14E</b>
		9. API Well No. <b>43-047-38598</b>
		10. Field and Pool, or Exploratory Area <b>NATURAL BUTTES</b>
		11. County or Parish, State <b>UINTAH UTAH</b>

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SPUD</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)  
**XTO Energy Inc., spudded this well on 12/15/2008.**

**RECEIVED**

**DEC 15 2008**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>JENNIFER M. HEMERY</b>		Title <b>REGULATORY CLERK</b>
Signature <i>Jennifer M. Hemery</i>		Date <b>12/16/2008</b>
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>		
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**DOGM COPY**

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

FORM 6

**ENTITY ACTION FORM**

Operator: XTO ENERGY INC.  
Address: 382 CR 3100  
city AZTEC  
state NM zip 87410

Operator Account Number: N 2615

Phone Number: (505) 333-3100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738598	RIVER BEND UNIT 20-14E		SENE	15	10S	19E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
AB	99999	7050	12/15/2008		12/30/08		
Comments: <u>MVRD = WSTMVD</u> <u>BHL = Sec 14 NWNW</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

JENNIFER M. HEMBRY

Name (Please Print)  
*Jennifer M. Hembry*  
Signature

REGULATORY CLERK

12/16/2008

Title

Date

(5/2000)

**RECEIVED**

**DEC 15 2008**

DIV. OF OIL, GAS & MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>U-013792</b>
2. Name of Operator <b>XTO Energy Inc.</b>		6. If Indian, Allottee or Tribe Name <b>N/A</b>
3a. Address <b>382 CR 3100 Aztec, NM 87410</b>	3b. Phone No. (include area code) <b>505-333-3100</b>	7. If Unit or CA/Agreement, Name and/or No. <b>RIVER BEND UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1821' FNL &amp; 532' FEL SENE SEC 15-T10S-R19E</b>		8. Well Name and No. <b>RBU 20-14E</b>
		9. API Well No. <b>43-047-38598</b>
		10. Field and Pool, or Exploratory Area <b>NATURAL BUTTES</b>
		11. County or Parish, State <b>UINTAH UTAH</b>

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SPUD</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

**XTO Energy Inc., spudded this well on 12/15/2008.**

**RECEIVED  
DEC 22 2008  
DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>JENNIFER M. HEMBRY</b>		Title <b>REGULATORY CLERK</b>
Signature <i>Jennifer M. Hembry</i>		Date <b>12/16/2008</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-013792
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1821' FNL x 532' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 15 10S 19E S		8. WELL NAME and NUMBER: RBU 20-14E
PHONE NUMBER: (505) 333-3100		9. API NUMBER: 4304738598
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 12/31/2008	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>DECEMBER 08</u> <u>MONTHLY REPORT</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Attached is XTO Energy's monthly report for the period of 12/01/2008 thru 12/31/2008.

NAME (PLEASE PRINT) <u>JENNIFER M. HEMBRY</u>	TITLE <u>REGULATORY CLERK</u>
SIGNATURE <u>Jennifer M. Hembry</u>	DATE <u>1/5/2009</u>

(This space for State use only)

RECEIVED  
JAN 12 2009

**EXECUTIVE SUMMARY REPORT**

12/1/2008 - 12/31/2008  
Report run on 1/2/2009 at 4:32 PM

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**Riverbend Unit 20-14E - Riverbend Unit 20-14E**

Section 15-10S-19E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well

Date First Report: 12/15/2008

Last Casing String: Casing Joints, 12/15/2008

Method of Production:

12/15/2008

MIRU Pete Martin Rat Hole Drilling. Spud Conductor @ 10:00 A.M. 12/15/2008.  
Drill 20" Conductor Hole to 64.0' KB. Ran 14" Conductor Pipe Set @ 64.0' KB.  
Cement To Surface w/ 2 1/2 Yards Redimix Cement. Drill And Set Rat And Mouse  
Hole For Frontier 6 Drilling Rig. RDMO.

=====  
===== Riverbend Unit 20-14E =====

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>			6. LEASE DESIGNATION AND SERIAL NUMBER: U-013792
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
			8. WELL NAME and NUMBER: RBU 20-14E
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	2. NAME OF OPERATOR: XTO ENERGY INC.		9. API NUMBER: 4304738598
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410	PHONE NUMBER: (505) 333-3100	10. FIELD AND POOL, OR WLD CAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1821' FNL x 532' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 15 10S 19E S			COUNTY: UINTAH STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 1/31/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>January 08</u> MONTHLY REPORT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Attached is XTO Energy's monthly report for the period of 1/1/2009 thru 1/31/2009

NAME (PLEASE PRINT) <u>EDEN FINE</u>	TITLE <u>REGULATORY CLERK</u>
SIGNATURE	DATE <u>2/6/2009</u>

(This space for State use only)

**RECEIVED**  
**FEB 10 2009**  
DIV. OF OIL, GAS & MINING

**EXECUTIVE SUMMARY REPORT**

1/1/2009 - 1/31/2009  
Report run on 2/4/2009 at 4:07 PM

**Riverbend Unit 20-14E**

Section 15-10S-19E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well

Date First Report: 1/12/2009

Method of Production:

1/12/2009

MIRU

=====  
Riverbend Unit 20-14E  
=====

1/13/2009

Picked up Directional Tools - daily cost increase  
CO: Had to Replace # 1 Mud Pump, Main Bearing on Bull Wheel gone/ Took Top off of Pump House Cut Pump off of Skid & Lift out with Crane/Also had to rebuild Fluid Manifold//PC on 1/12/09 @ 1800 hrs & 0600 on 1/13/09 (No Leaks Structure & Cap Good) man

=====  
Riverbend Unit 20-14E  
=====

1/14/2009

CO: Drlg & Slide @ 500' Last Survey @ 393' (Survey's are 52' behind the bit) Inc 4.48\* - Azm 35.03// w/33 Vis - 9.6 Wt & 10.0 WL// An Avg of 54' per/hr ROP sence 2200 hr//PC @ 1800 hrs on 1/13/09 & 0600 hrs on 1/14/09 ( No Leaks Structure & Cap Good ) man

=====  
Riverbend Unit 20-14E  
=====

1/15/2009

direc drlg f/ 500 to 2016  
wt 9.7, vis 32, last survey @ 1955 13.81 deg, 38.81 az

=====  
Riverbend Unit 20-14E  
=====

1/16/2009

Drld f/2016' to 2326' KB. Drld 310' for 6 hrs @ 51.66 ft/hr. Circulate. Mud Wt. 9.5# Vis 33. TOOH. LD 8" Directional Tools. PU & Run 9 5/8" J-55 36# ST&C Csg. Landed 9 5/8 Csg @ 2295.21' KB. Cement w/Pro Petro Lead Cmt 170 bbls 250 sks, Tail Cmt 41 bbls 200 sks, Displace w/171 bbls, Cmt Returns 43 bbls. Cmt Stayed To Surface. ND Surface Stack. NU BOP's.  
Drld f/2016' to 2326' KB. Drld 310' for 6 hrs @ 51.66 ft/hr. Circulate. Mud Wt. 9.5# Vis 33. TOOH. LD 8" Directional Tools. PU & Run 9 5/8" J-55 36# ST&C Csg. Landed 9 5/8 Csg @ 2295.21' KB. Cement w/Pro Petro Lead Cmt 170 bbls 250 sks, Tail Cmt 41 bbls 200 sks, Displace w/171 bbls, Cmt Returns 43 bbls. Cmt Stayed To Surface. ND Surface Stack. NU BOP's.

=====  
Riverbend Unit 20-14E  
=====

1/17/2009

BOP Test 3000 psi. High 1500 psi Low. Install Wear Bushing. PU Directional Tools. TIH to 2206' KB. Drld Cmt & Float equipment f/2206' to 2326' KB. Drld Rotating & Sliding f/2326' to 2926' KB. Drld 600' for 12 hrs @ 50.00 ft/hr. Mud Wt. 9.4 Vis 43. Last Deviation Survey 2874' KB 15.39 Degrees 42.24 Az. Drilling Ahead f/2926' KB.  
BOP Test 3000 psi. High 1500 psi Low. Install Wear Bushing. PU Directional Tools. TIH to 2206' KB. Drld Cmt & Float equipment f/2206' to 2326' KB. Drld Rotating & Sliding f/2326' to 2926' KB. Drld 600' for 12 hrs @ 50.00 ft/hr. Mud Wt. 9.4 Vis 43. Last Deviation Survey 2874' KB 15.39 Degrees 42.24 Az. Drilling Ahead f/2926' KB.

=====  
Riverbend Unit 20-14E  
=====

1/18/2009

Drld Rotating & Sliding f/2926' to 3805' KB. Drld 879' for 23.50 hrs @ 37.40 ft/hr. Mud Wt. 9.4 Vis 40. Last Deviation Survey 3732' KB 14.68 Incl 42.14 Az. Drilling Ahead Rotating & Sliding f/3805' KB.  
Drld Rotating & Sliding f/2926' to 3805' KB. Drld 879' for 23.50 hrs @ 37.40 ft/hr. Mud Wt. 9.4 Vis 40. Last Deviation Survey 3732' KB 14.68 Incl 42.14 Az. Drilling Ahead Rotating & Sliding f/3805' KB.  
DWC: \$96,960.23 CWC: \$405,862.21

EXECUTIVE SUMMARY REPORT

1/1/2009 - 1/31/2009  
Report run on 2/4/2009 at 4:07 PM

1/19/2009 ----- Riverbend Unit 20-14E -----  
Drld Rotating & Sliding f/3805' to 4451' KB. Drld 646' for 14.50 hrs @ 44.55 ft/hr. Circulate. TOOH LD Directional Tools & Bit. PU Mud Motor & 7 7/8" Bit. TIH. Drill f/4451' to 4475' KB. Drld 24' for 1 hr @ 24.00 ft/hr. Total Drld 670' for 16.50 hrs @ 40.60 ft/hr. Mud Wt. 9.7 Vis 40. Last Deviation Survey 4398' KB 0.70 Incl 9.99 Az. Drilling Ahead f/4475' KB. Drld Rotating & Sliding f/3805' to 4451' KB. Drld 646' for 14.50 hrs @ 44.55 ft/hr. Circulate. TOOH LD Directional Tools & Bit. PU Mud Motor & 7 7/8" Bit. TIH. Drill f/4451' to 4475' KB. Drld 24' for 1 hr @ 24.00 ft/hr. Total Drld 670' for 16.50 hrs @ 40.60 ft/hr. Mud Wt. 9.7 Vis 40. Last Deviation Survey 4398' KB 0.70 Incl 9.99 Az. Drilling Ahead f/4475' KB.

1/20/2009 ----- Riverbend Unit 20-14E -----  
Drld f/4475' to 5650' KB. Drld 1175' for 23.00 hrs @ 51.08 ft/hr. Mud Wt. 9.7 Vis 34. Last Deviation Survey 4824' KB 1.50 Degrees. Drilling Ahead f/5650' KB. Drld f/4475' to 5650' KB. Drld 1175' for 23.00 hrs @ 51.08 ft/hr. Mud Wt. 9.7 Vis 34. Last Deviation Survey 4824' KB 1.50 Degrees. Drilling Ahead f/5650' KB.

1/21/2009 ----- Riverbend Unit 20-14E -----  
Drld f/5650' to 6487' KB. Drld 837' for 22.50 hrs @ 37.20 ft/hr. Mud Wt. 9.6 Vis 37. Last Deviation Survey 6313' KB 3.50 Degrees. Drilling Ahead f/6487' KB. Drld f/5650' to 6487' KB. Drld 837' for 22.50 hrs @ 37.20 ft/hr. Mud Wt. 9.6 Vis 37. Last Deviation Survey 6313' KB 3.50 Degrees. Drilling Ahead f/6487' KB.

1/22/2009 ----- Riverbend Unit 20-14E -----  
Drlg F/5650' - T/6487' Drlg 837' for 22.5 hrs @ 37.2 fph/ w/9.7 Wt - 37 Vis/ Last Survey @ 6313' KB 3.5 deg//CO: Drlg @ 6487' KB  
CO: Drlg @ 7091' w/ROP of 45+ fph (Avg per the last 3 hrs of Drlg time) Drlg 604' Last 24 hrs (Avg 25 fph) w/38 Vis - 9.6 Wt & 10.5 WL/Tripped Bit # 3 ROP Slowed way down, Bit was balled up, very little drag on Trip (Last Survey @ 6821' 2.25\*) //PC @ 1800 hrs on 1/21/09 & 0600 hrs on 1/22/09 ( No Leaks Structure & Cap Good ) man

1/23/2009 ----- Riverbend Unit 20-14E -----  
Drlg F/6487' - T/7091' Drlg 604' for 16.5 hrs @ 36.6 fph/ Tripped Bit #3 ROP Slowed way down, Bit was balled up very little drag on Trip// CO: Drlg @ 7091' KB  
CO: Drlg @ 7813' w/40 Vis - 9.8 Wt - 10.2 WL/ ROP Avg Last 24hrs 30.3 fph Tot. Ftg Drlg in 24hrs (722')/ Last Survey @ 6821' (2.25\*) Next Survey is @ 7900' (Survey's are 79' off Btm) 45' Kelly & 33' Mud Mtr//Had a good Drlg Break @ 7734' (415 units)//PC @ 1800hrs on 1/22/09 & 0600hrs on 1/23/09 ( No Leaks Structure & Cap Good ) man

1/24/2009 ----- Riverbend Unit 20-14E -----  
Drlg F/7091' - T/7813' Drlg 722' for 23.5 hrs @ 30.7 fph/ w/9.8 Wt - 40 Vis - 10.2 WL/ Last Survey @ 6821' 2.25 deg//CO: Drlg @ 7813' KB  
CO: Wash & Reaming to Btm Tag @ 8115' 28' of Fill (Drlg F/7813' - T/8143') Drlg 330' for 13.5 hrs @ 26.5 fph/ w/9.8 Wt - 39 Vis - 10.2 WL/ Last Survey @ 7860' 1.5 deg/ Tripped for Bit #5 & X/O Mud Mtr/ ROP Slowed way down to below 20' per/hr//PC @ 1800hrs on 1/23/09 & 0600hrs on 1/24/09 ( No Leaks Structure & Cap Good ) man

----- Riverbend Unit 20-14E -----

EXECUTIVE SUMMARY REPORT

1/1/2009 - 1/31/2009  
Report run on 2/4/2009 at 4:07 PM

1/25/2009 Washing & Reaming 28' of Fill to Btm/ 40 Vis - 9.9 Wt - 11 WL//Tripped for Bit # 5 & Just Getting back on Btm/ Tag @ 8115' Btm is 8143'/ Last Survey @ 7860' 1.5 deg//CO: Wash & Ream to Btm  
CO: Drlg @ 8864' w/45 Vis - 10.0 Wt - 10.2 WL/Drlg 721' in 23.50hrs with Avg of 30' per/hr/ Last Survey @ 7860' 1.5 deg//PC @ 1800hr on 1/24/09 & 0600 hrs on 1/25/09 ( No Leaks Structure & Cap Good) man

=====  
1/26/2009 Riverbend Unit 20-14E =====  
Drlg F/8143' - T/8864' Drlg 721' for 23.5 hrs @ 30.6 fph/Vis 45 - Wt 10.0 - WL 10.2/Last Survey @ 7860' 1.5 deg//CO: Drlg @ 8864' KB  
CO: L/D DP & BHA to Run 5.5" Prod Csg/TD @ 0730hrs w/47 Vis - 10.0 Wt - 7.0 WL/Last Survey @ 8820' 2.00 deg (Dropped @ TD)//PC @ 1800hrs on 1/25/09 & 0600hrs on 1/26/09 ( No Leaks Structure & Cap Good ) man

=====  
1/27/2009 Riverbend Unit 20-14E =====  
CO: Rig Down Prep to Move//Ran 199 Jts of 5.5" 17# L80 Prod Csg Set @ 8850' KB (Ret 7- Full Jts & 1- 22' er)//Cmt w/Pro Petro 250 sks of Lead & 660 sks of Tail (High Fill) of 65/35/6//PC @ 1800hrs on 1/26/09 & 0600hrs on 1/27/09 (No Leaks Structure & Cap Good) man

=====  
1/30/2009 Riverbend Unit 20-14E =====  
Cont rpt for AFE # 717123 to D & C WA/MV fr/1-27-09 to 1-30-09. MIRU Perfolog WLU. RIH w/ 4.65"OD GR & tgd @ 8,740' FS. POH w/ tls. RIH w/GR/CCL/CBL logging tls. Tgd @ 8,740' FS. MIRU B&C Quick test. Run CBL under 750 psig fr/8,740' to 750'. Log indic gd cmt bond fr/8,740' to 1,430', fr cmt fr/1,430' to 1,240' & pr cmt fr/1,240' to top of cmt @ 1,000'. Bd csg. POH & LD logging tls. RDMO WLU. PT csg, WH & frac vlv to 2500 psig for 30" & 5000 psig for 10". Tst gd. Rlsd press. RDMO Quick Test. SWI. Susp rpts to further activity.

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>			5. LEASE DESIGNATION AND SERIAL NUMBER: U-013792
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
			7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			8. WELL NAME and NUMBER: RBU 20-14E
2. NAME OF OPERATOR: XTO ENERGY INC.			9. API NUMBER: 4304738598
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		PHONE NUMBER: (505) 333-3100	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1821' FNL x 532' FEL COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 15 10S 19E S STATE: UTAH			

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: 1/31/2009	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: February 09
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<b>MONTHLY REPORT</b>

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

XTO Energy Inc. has nothing to report on this well for the period of 2/1/2009 thru 2/28/2009

NAME (PLEASE PRINT) <u>EDEN FINE</u>	TITLE <u>REGULATORY CLERK</u>
SIGNATURE	DATE <u>3/3/2009</u>

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**RECEIVED**  
**MAR 09 2009**

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APR 06 2009

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

FORM 9

REGULATORY COMPLIANCE

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
U-013792

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
N/A

7. UNIT or CA AGREEMENT NAME:  
RIVERBEND UNIT

8. WELL NAME and NUMBER:  
RBU 20-14E

9. API NUMBER:  
4304738598

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
XTO ENERGY INC.

3. ADDRESS OF OPERATOR:  
382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER:  
(505) 333-3100

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1821' FNL x 532' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 15 10S 19E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>March 09</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>MONTHLY REPORT</u>

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

XTO Energy Inc. has nothing to report on this well for the period of 3/1/2009 thru 3/31/2009

NAME (PLEASE PRINT) EDEN FINE

TITLE REGULATORY CLERK

SIGNATURE *[Signature]*

DATE 4/3/2009

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APR 28 2009  
DIV. OF OIL, GAS & MINING

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>			5. LEASE DESIGNATION AND SERIAL NUMBER: <b>U-013792</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>N/A</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			7. UNIT or CA AGREEMENT NAME: <b>RIVERBEND UNIT</b>
2. NAME OF OPERATOR: <b>XTO ENERGY INC.</b>			8. WELL NAME and NUMBER: <b>RBU 20-14E</b>
3. ADDRESS OF OPERATOR: <b>382 CR 3100</b> CITY <b>AZTEC</b> STATE <b>NM</b> ZIP <b>87410</b>		PHONE NUMBER: <b>(505) 333-3100</b>	9. API NUMBER: <b>4304738598</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1821' FNL x 532' FEL</b>			10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 15 10S 19E S</b>			COUNTY: <b>UINTAH</b>
			STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <b>APRIL 09</b> <b>MONTHLY REPORT</b>

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

XTO Energy Inc. has nothing to report on this well for the period of 4/1/2009 thru 4/30/2009

NAME (PLEASE PRINT) <u>KELLY K. SMALL</u>	TITLE <u>REGULATORY COMPLIANCE TECH</u>
SIGNATURE <u><i>Kelly Small</i></u>	DATE <u>5/5/2009</u>

(This space for State use only)

**RECEIVED**  
**MAY 12 2009**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**DOGM COPY**  
FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>U-013792</b>
2. Name of Operator <b>XTO Energy Inc.</b>		6. If Indian, Allottee or Tribe Name <b>N/A</b>
3a. Address <b>382 CR 3100 Aztec, NM 87410</b>	3b. Phone No. (include area code) <b>505-333-3100</b>	7. If Unit or CA/Agreement, Name and/or No. <b>RIVERBEND UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1821' FNL &amp; 532' FEL SENE SEC 15-T10S-R19E</b> <b>1093' FNL &amp; 116' FWL NWNW SEC 14-T10S-R19E</b>		8. Well Name and No. <b>REU 20-14E</b>
		9. API Well No. <b>43-047-38598</b>
		10. Field and Pool, or Exploratory Area <b>NATURAL BUTTES</b> <b>WASATCH-MESAVERDE</b>
		11. County or Parish, State <b>UTAH</b> <b>UTAH</b>

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>1ST DELIVERY</b>	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy Inc. first delivered this well to Questar Gas Management @ 1000 hours on Monday, 6/1/2009.

IFR 1.0 MMCFPD.

XTO Allocation Meter #RS1668RF.

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**JUN 01 2009**

**DIV OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>BARBARA A. NICOL</b>	Title <b>REGULATORY CLERK</b>
Signature <i>Barbara A. Nicol</i>	Date <b>6/2/2009</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**DOGM COPY**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

			5. LEASE DESIGNATION AND SERIAL NUMBER: U-013792
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
			7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			8. WELL NAME and NUMBER: RBU 20-14E
2. NAME OF OPERATOR: XTO ENERGY INC.			9. API NUMBER: 4304738598
3. ADDRESS OF OPERATOR: 382 CR 3100		CITY AZTEC STATE NM ZIP 87410	PHONE NUMBER: (505) 333-3100
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1821' FNL x 532' FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 15 10S 19E S			STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 5/31/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: <u>May 09</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<b>MONTHLY REPORT</b>

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

See attached for XTO Energy's report on this well for the period of 5/1/2009 thru 5/31/2009

NAME (PLEASE PRINT) <u>Eden Fine</u>	TITLE <u>REGULATORY COMPLIANCE TECH</u>
SIGNATURE	DATE <u>6/2/2009</u>

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**JUN 08 2009**

**EXECUTIVE SUMMARY REPORT**

5/1/2009 - 5/31/2009  
Report run on 6/2/2009 at 2:01 PM

**Riverbend Unit 20-14E**

Section 15-10S-19E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well

Date First Report: 1/12/2009

Method of Production: Flowing

5/20/2009 SICIP 0 psig. MIRU Key Energy #6013. Observe & Bd well. ND frac vlv. NU BOP/Hydrill. PU & TIH w/4.75" bit, BRS, SN & 168 jts 2-3/8", 4.7#, L-80, EUE, 8rd tbg. Pmp 30 bbls 2% KCl wtr & flshd tbg. SWI & SDFN. 4265 BLWTR MIRU

5/21/2009 ===== Riverbend Unit 20-14E =====  
SITP 0 psig. SICIP 0 psig. RU pwr swvl . Estb circ w/trtd 2% KCl wtr. DO CBP @ 5500'. Contd TIH, tgd 65' sd @ 5955'. CO to CBP @ 6020'. DO CBP @ 6020'. Contd TIH w/tbg, tgd 45' sd @ 6275'. CO to CBP @ 6320'. DO CBP @ 6320'. Unable to circ w/2% wtr. Wtr loss is 55% of ppd vol. TOH to top perf @ 5600'. WO AFU. MIRU AFU. TIH w/tbg. TIH tgd 650' sd @ 7440'. CO to 7700'. Circ cln 1hrs. RD pwr swivel & AFU. TOH w/50 jts tbg. EOT @ 6100'. OWU to test tnk on 24/64" ck. Turn well over to flw tstrs. SDFN. 372 blwr & 4221 BLWTR. CO to 7700'

5/22/2009 ===== Riverbend Unit 20-14E =====  
FCP 500 psig on 32/64 ck. F. 0 BO, 98 BW, 12 hrs. TIH w/ 50 jt's tbg. RU pwr swvl . Estb circ w/AFU. DO sd @ 7700' to 8090'. DO CBP @ 8090'. Contd TIH, tgd 282' sd @ 8520'. CO to PBDT @ 8802' Circ well cln & RD pwr swivel. TOH w/9 jts 2-3/8" tbg. Ld prod tbg in hgr as follows: 259 jts 2-3/8", 4.7#, L-80 EUE, tbg, 2-3/8" SN & BRS w/WL entry guide. ND BOP. NU prod tree. SN @ 8502'. EOT @ 8503'. RU swb tls & RIH w/1.91" tbg broach to SN @ 8496'. WA/MV perms fr/5614-8665. PBDT @ 8802'. POH w/broach. No ti spots. Ld broach. RU pmp. Dropd ball & ppd off bit sub @ 2300 psig. KWO flwg @ 18:00 Flw well to test tnk on 64/64 ck 2 hrs. FTP 350 psig, SICIP 1475 psig. . Turned well over to flw testers LND TBG / KWO

5/23/2009 ===== Riverbend Unit 20-14E =====  
FTP 500, SICIP 1175 psig. F. 0 BO, 134 BW, FTP 500 - 950 psig, 18/64" ck. 24 hrs. 4559 BLWTR.  
Flow test  
DWC: \$2,450.00 CWC: \$1,886,560.70

Fluid Type	Fluid Summary			
	From Well	To Well	From Lease	To Lease
Completions Fluid	134	0	0	0

5/24/2009 ===== Riverbend Unit 20-14E =====  
FTP 950, SICIP 1100 psig. FTP 950-900 psig. F. 0 BO, 68 BLW, 0 BO. 18/64" ck. 24 hrs. 4491 BLWTR. Gas analysis 8% N2  
Flow test

5/25/2009 ===== Riverbend Unit 20-14E =====  
FTP 900 psig, SICIP 1075 psig. F. 0 BO, 56 BLW, FTP 900 - 850 psig. 18/64" ck. 24 hrs. 4435 BLWTR.  
Flow test

5/26/2009 Riverbend Unit 20-14E =====  
Flowing back to test tnk.. 18/64" ck. SICIP 1075 psig. FTP 850-825 psig. F. 23 BW, 0 BO. 12 hrs. 4412 BLWTR. SWI @ 5/26/2009 06:00 hrs. WAIT ON SURFACE EQUIPMENT. RDMOSU.  
RDMOSU

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff.Resvr.,  
 Other \_\_\_\_\_

2. Name of Operator  
**XTO Energy Inc.**

3. Address **382 CR 3100 Aztec, NM 87410** 3a. Phone No. (include area code) **505-333-3100**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **1,821' FNL & 532' FEL per HSM review**  
 At top prod. interval reported below  
 At total depth **1,093' FNL & 116' FWL NWNW SEC 14**

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JUN 09 2009**

**DIV OF OIL GAS & MINING**

14. Date Spudded **12/15/2008** 15. Date T.D. Reached **1/26/2009** 16. Date Completed  D & A  Ready to Prod. **6/1/2009**

18. Total Depth: MD **8,900'** TVD **8778** 19. Plug Back T.D.: MD **8,802'** TVD **8680** 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL/GR/CCL; CP/GR; DS; TDL/CN; RP-HRLA/GR; HRLA/GR; HRLA/CN/L**

22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run  No  Yes (Submit report)  
 Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No.of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14/A252A	36.75#	0	64'		63/Redimix		SURF	
12-1/4"	9.6/J-55	36#	0	2,295'		450/Prem		SURF	
7-7/8"	5.5/L-80	17#	0	8,850'		250/Hi Fill		1,000'	
"	"	"	"	"		660/G		"	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	8,503'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH-MESAVERDE	5,614'	8,665'	5,614' - 8,665'	0.36"	239	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5,614' - 8,665'	A. w/10,100 gals of 7-1/2% NEFE HCL acid. Frac'd w/193,116 gals 55Q-70Q N2 foam gelled 2% KCl wtr + additives (Turquoise Foam Frac) carrying 246,819# 20/40 SLC sd & 143,297# 20/40 Ottawa sd.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/1/2009	6/2/2009	24	→	8	1,198	37			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
38/64"	816	1,005	→	8	1,198	37		PRODUCING	

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

28b. Production - Interval C

Y400 M000

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

TO BE SOLD

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	1,369
				MAHOGENY BENCH	2,176
				WASATCH TONGUE	4,398
				UTELAND LIMESTONE	4,766
				WASATCH	4,929
				CHAPITA WELLS	5,766
				UTELAND BUTTE	7,144
				MESAVERDE	7,986

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd)    
  Geologic Report    
  DST Report    
  Directional Survey  
 Sundry Notice for plugging and cement verification    
  Core Analysis    
  Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) BARBARA A. NICOL

Title REGULATORY CLERK

Signature Barbara A. Nicol

Date 6/4/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Y400 M000

**DIRECTIONAL SURVEY REPORT**

**XTO ENERGY**

**RBU 20 - 14E**

**UINTAH COUNTY, UT**

**PREPARED BY: Matt Loucks**

January 20, 2009

**XTO ENERGY**  
2700 Farmington Ave Bldg K, Suite 1  
Farmington , NM 87401

**Attn: Justin Niederhofer**

**RE: XTO ENERGY**  
**RBU 20-14E**  
**Uintah Co., UT**  
**RIG: Frontier 6**  
**FILENAME: 101008192-WY-WY**

**Dear Sir:**

**We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was ran.**

**SURVEY DATA**

- 1 - Original survey report and plot**
- 2 - Survey report copies and plots**

**We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (307) 265-3145.**

**Sincerely,**

**Matt Loucks**  
**MWD Coordinator**  
**PathFinder Energy Services**

**DIRECTIONAL SURVEY COMPANY REPORT:**

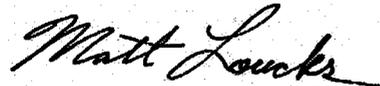
1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
  - A. Rich Lovelace
  - B. Mark Snyder
3. POSITION OF SAID PERSON(S): (A & B) SURVEYOR FIELD ENGINEER(s).
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 1-12-09 TO 1-18-09
5. STATE IN WHICH SURVEY WAS PERFORMED: ONSHORE, UTAH
6. LOCATION OF WELL: UINTAH CO., UT
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

XTO ENERGY

RBU 20-14E

Uintah Co., UT

RIG: Frontier 6
9. SURVEY CERTIFIED FROM: 160 TO 4,398 FEET MEASURED DEPTH.
10. THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 955.30 FEET ON A BEARING OF 40.39 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT PROJECTED MEASURED DEPTH OF 4,450 FEET ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



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MATT LOUCKS  
MWD COORDINATOR

# PathFinder Energy Services, Inc.

## Survey Report

XTO ENERGY  
RBU 20-14E  
UINTAH COUNTY, UTAH  
Rig: FRONTIER 6  
PathFinder Office Supervisor: Rich Arnold  
PathFinder Field Engineers: Richard Lovelace  
Mark Snyder

Survey Horiz. Reference: WELLHEAD  
Ref Coordinates: LAT: 39.57.15.5700 N LON: 109.46.22.4400 W  
GRID Reference: NAD83 utah central Lambert  
Ref GRID Coord: X: 2124530.4140 Y: 7156760.6946  
North Aligned To: TRUE NORTH  
Total Magnetic Correction: 11.48° EAST TO TRUE  
Vertical Section Plane: 39.82  
Survey Vert. Reference: 25.00' Kelly Bushing To Ground  
Altitude: 5142.00' Ground To MSL

Survey Calculations by PathCalc v1.99 using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist (ft)	Dir (deg)	DLS (dg/100ft)
TIE-IN TO SURFACE.										
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00@	0.00	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
160.00	2.99	7.26	159.93	160.00	3.52	4.14 N	0.53 E	4.17@	7.26	1.87
212.00	3.61	2.96	211.84	52.00	5.97	7.12 N	0.78 E	7.16@	6.28	1.28
273.00	4.31	8.05	272.70	61.00	9.46	11.31 N	1.20 E	11.37@	6.08	1.28
332.00	4.13	25.19	331.54	59.00	13.40	15.43 N	2.42 E	15.61@	8.91	2.15
393.00	4.48	35.03	392.37	61.00	17.90	19.36 N	4.72 E	19.93@	13.70	1.34
455.00	5.98	46.28	454.11	62.00	23.52	23.58 N	8.45 E	25.05@	19.71	2.92
516.00	7.30	36.62	514.70	61.00	30.55	28.89 N	13.05 E	31.70@	24.32	2.83
576.00	8.53	43.74	574.13	60.00	38.79	35.16 N	18.40 E	39.69@	27.63	2.62
668.00	10.02	41.54	664.92	92.00	53.60	46.08 N	28.43 E	54.15@	31.67	1.66
759.00	11.17	41.54	754.37	91.00	70.32	58.61 N	39.53 E	70.69@	34.00	1.26
850.00	12.13	41.80	843.49	91.00	88.69	72.33 N	51.74 E	88.93@	35.58	1.06
911.00	12.75	41.27	903.06	61.00	101.82	82.17 N	60.46 E	102.01@	36.34	1.03
972.00	13.98	41.27	962.41	61.00	115.92	92.77 N	69.76 E	116.07@	36.94	2.02
1066.00	15.21	40.13	1053.37	94.00	139.60	110.73 N	85.19 E	139.71@	37.57	1.34
1162.00	14.33	39.17	1146.20	96.00	164.08	129.57 N	100.81 E	164.17@	37.89	0.95
1257.00	16.27	40.48	1237.83	95.00	189.14	148.81 N	116.88 E	189.22@	38.15	2.07
1352.00	17.41	40.84	1328.75	95.00	216.66	169.68 N	134.81 E	216.72@	38.47	1.21
1447.00	18.47	42.07	1419.13	95.00	245.91	191.61 N	154.19 E	245.94@	38.82	1.18
1511.00	18.82	42.86	1479.78	64.00	266.35	206.70 N	168.01 E	266.37@	39.10	0.67
1575.00	18.20	43.12	1540.46	64.00	286.63	221.56 N	181.86 E	286.64@	39.38	0.98
1638.00	17.24	42.86	1600.47	63.00	305.78	235.59 N	194.94 E	305.78@	39.61	1.53
1701.00	17.06	42.24	1660.67	63.00	324.33	249.27 N	207.50 E	324.33@	39.77	0.41
1765.00	16.71	41.89	1721.91	64.00	342.91	263.07 N	219.95 E	342.91@	39.90	0.57
1828.00	16.36	42.15	1782.31	63.00	360.82	276.39 N	231.96 E	360.83@	40.00	0.57

# PathFinder Energy Services, Inc.

## Survey Report

XTO ENERGY  
 RBU 20-14E  
 UINTAH COUNTY, UTAH  
 RIG:FRONTIER 6

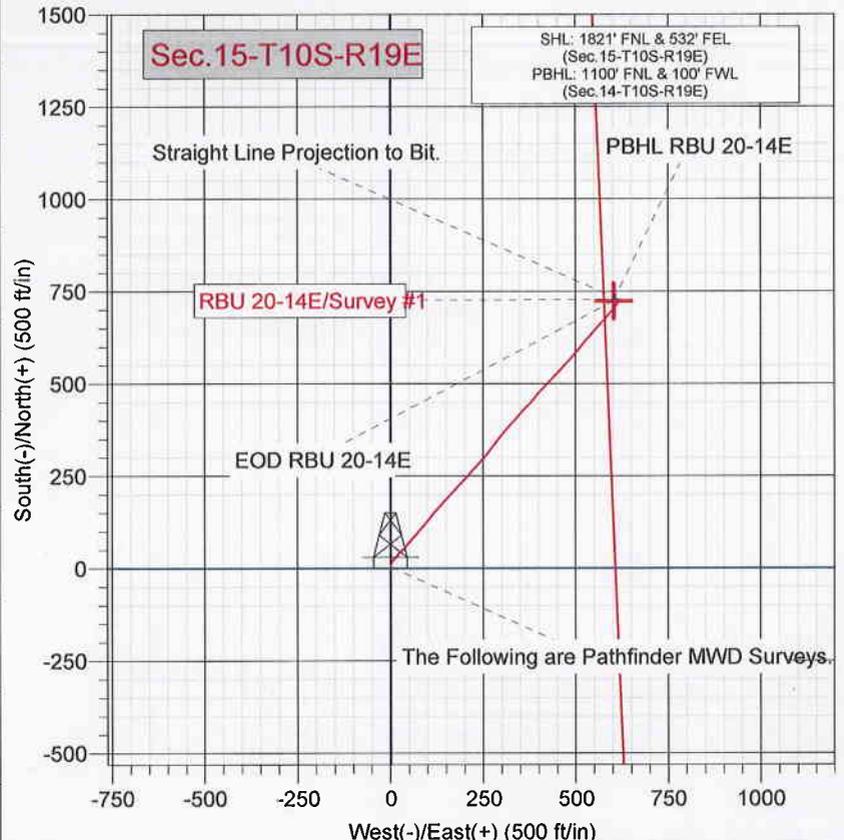
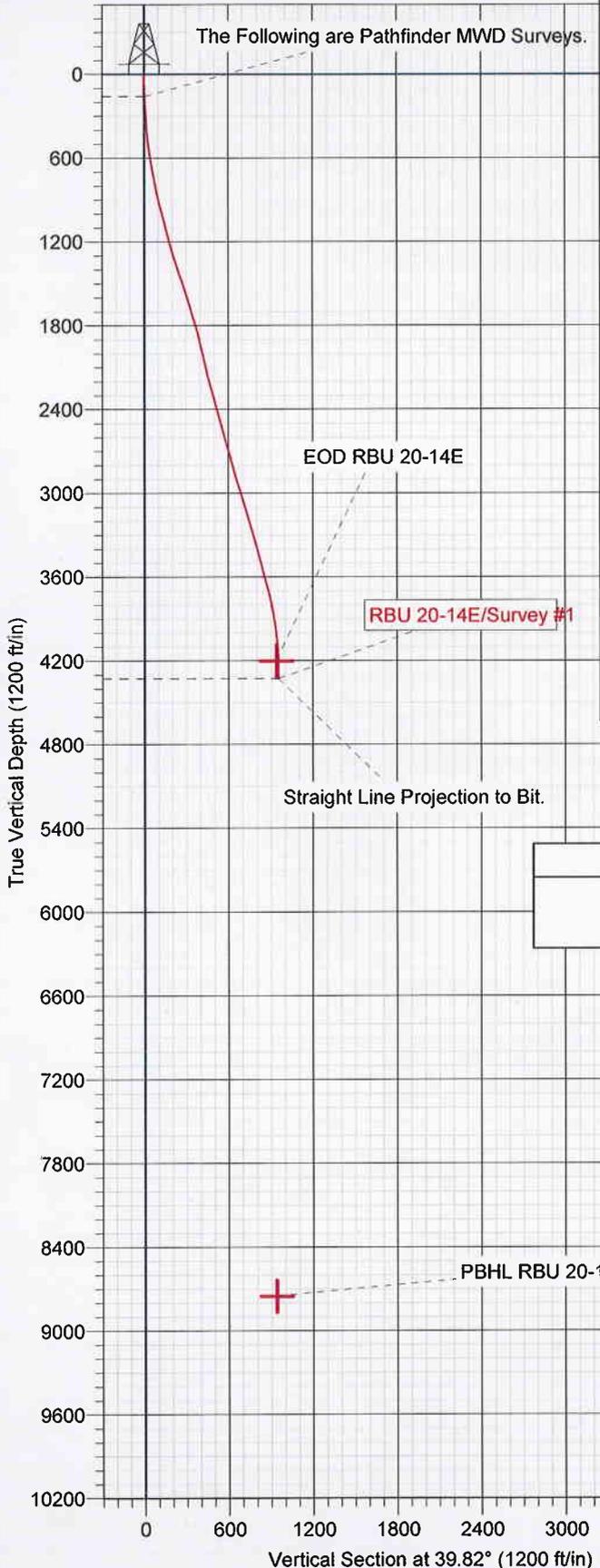
Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS (dg/100ft)
						(ft)	(ft)	(ft)	(deg)	
1892.00	14.86	40.22	1843.95	64.00	378.04	289.34 N	243.30 E	378.04@	40.06	2.48
1955.00	13.81	38.81	1904.98	63.00	393.63	301.37 N	253.23 E	393.64@	40.04	1.76
2019.00	13.01	39.17	1967.24	64.00	408.48	312.91 N	262.57 E	408.48@	40.00	1.26
2083.00	12.40	38.46	2029.67	64.00	422.55	323.87 N	271.39 E	422.55@	39.96	0.98
2147.00	12.93	37.41	2092.11	64.00	436.57	334.94 N	280.02 E	436.57@	39.90	0.90
2210.00	13.54	37.58	2153.44	63.00	450.98	346.38 N	288.80 E	450.98@	39.82	0.97
2273.00	14.51	39.43	2214.56	63.00	466.25	358.32 N	298.31 E	466.25@	39.78	1.70
2366.00	15.74	40.57	2304.34	93.00	490.51	376.91 N	313.91 E	490.51@	39.79	1.36
2429.00	15.12	40.04	2365.07	63.00	507.27	389.69 N	324.76 E	507.27@	39.81	1.01
2492.00	15.48	42.42	2425.84	63.00	523.89	402.19 N	335.71 E	523.89@	39.85	1.15
2556.00	15.74	42.68	2487.48	64.00	541.09	414.87 N	347.36 E	541.09@	39.94	0.42
2619.00	15.83	42.59	2548.10	63.00	558.21	427.48 N	358.97 E	558.21@	40.02	0.15
2683.00	15.56	42.15	2609.71	64.00	575.50	440.27 N	370.64 E	575.51@	40.09	0.46
2746.00	15.04	40.48	2670.48	63.00	592.12	452.75 N	381.61 E	592.13@	40.13	1.08
2810.00	14.77	41.10	2732.33	64.00	608.58	465.22 N	392.37 E	608.59@	40.14	0.49
2874.00	15.39	42.24	2794.12	64.00	625.22	477.65 N	403.44 E	625.23@	40.19	1.07
2938.00	16.36	41.54	2855.68	64.00	642.71	490.69 N	415.13 E	642.73@	40.23	1.54
3001.00	17.50	43.38	2915.95	63.00	661.04	504.21 N	427.52 E	661.06@	40.29	2.00
3064.00	17.41	43.82	2976.05	63.00	679.89	517.90 N	440.55 E	679.93@	40.39	0.25
3128.00	17.15	42.86	3037.16	64.00	698.87	531.72 N	453.59 E	698.91@	40.47	0.60
3224.00	16.97	42.68	3128.94	96.00	726.99	552.40 N	472.72 E	727.05@	40.56	0.20
3287.00	16.53	41.19	3189.26	63.00	745.14	565.90 N	484.85 E	745.20@	40.59	0.98
3350.00	15.74	39.43	3249.78	63.00	762.64	579.24 N	496.18 E	762.71@	40.58	1.47
3477.00	15.04	39.52	3372.23	127.00	796.34	605.26 N	517.61 E	796.41@	40.54	0.55
3541.00	14.86	40.48	3434.06	64.00	812.85	617.91 N	528.22 E	812.91@	40.53	0.48
3605.00	15.21	41.45	3495.87	64.00	829.45	630.44 N	539.11 E	829.52@	40.53	0.67
3668.00	15.21	42.07	3556.66	63.00	845.97	642.77 N	550.12 E	846.04@	40.56	0.26
3732.00	14.68	42.15	3618.50	64.00	862.46	655.02 N	561.18 E	862.54@	40.59	0.83
3826.00	13.98	42.68	3709.57	94.00	885.70	672.20 N	576.87 E	885.79@	40.64	0.76

# PathFinder Energy Services, Inc.

## Survey Report

XTO ENERGY  
 RBU 20-14E  
 UINTAH COUNTY, UTAH  
 RIG:FRONTIER 6

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL		Closure		DLS (dg/100ft)
						Rectangular (ft)	Offsets (ft)	Dist (ft)	Dir (deg)	
3890.00	12.66	41.36	3771.85	64.00	900.44	683.14 N	586.75 E	900.53@	40.66	2.12
3954.00	10.99	39.96	3834.49	64.00	913.55	693.08 N	595.30 E	913.65@	40.66	2.65
4018.00	9.41	38.20	3897.48	64.00	924.88	701.87 N	602.46 E	924.97@	40.64	2.52
4113.00	6.95	34.77	3991.50	95.00	938.37	712.70 N	610.54 E	938.45@	40.59	2.64
4177.00	5.19	31.43	4055.14	64.00	945.09	718.35 N	614.26 E	945.16@	40.53	2.80
4272.00	2.73	28.00	4149.91	95.00	951.56	724.01 N	617.56 E	951.62@	40.46	2.60
4336.00	1.32	22.47	4213.87	64.00	953.75	726.04 N	618.56 E	953.81@	40.43	2.22
4368.00	0.88	18.07	4245.86	32.00	954.33	726.62 N	618.77 E	954.38@	40.42	1.40
4398.00	0.70	9.99	4275.86	30.00	954.71	727.01 N	618.88 E	954.76@	40.41	0.70
STRAIGHT-LINE PROJECTION TO BIT.										
4450.00	0.70	9.99	4327.85	52.00	955.26	727.64 N	618.99 E	955.30@	40.39	0.00



WELL DETAILS: RBU 20-14E

+N/-S	+E/-W	Northing	Ground Level Easting	5142.0 Latitude	Longitude	Slot
-0.2	0.0	7156760.69	2124530.41	39° 57' 15.570 N	109° 46' 22.440 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape Point
EOD RBU 20-14E	4200.0	723.5	603.1	39° 57' 22.718 N	109° 46' 14.695 W	Point
PBHL RBU 20-14E	8750.0	723.5	603.1	39° 57' 22.718 N	109° 46' 14.695 W	Point

ANNOTATIONS

TVD	MD	Annotation
0.0	0.0	Tie into Surface.
159.9	160.0	The Following are Pathfinder MWD Surveys.
4327.9	4450.0	Straight Line Projection to Bit.

Azimuths to True North  
 Magnetic North: 11.48°

Magnetic Field  
 Strength: 52533.8snT  
 Dip Angle: 65.85°  
 Date: 1/5/2009  
 Model: IGRF200510

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-013792
---	---

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
--	--

<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> RBU 20-14E
------------------------------------	---

<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047385980000
---	---

<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
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<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1821 FNL 0532 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 15 Township: 10.0S Range: 19.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
---	---

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/8/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: PWOPL

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 XTO Energy Inc. has put this well on a plunger lift per the attached summary report.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 June 15, 2010

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/9/2010

EXECUTIVE SUMMARY REPORT

5/1/2010 - 6/9/2010  
Report run on 6/9/2010 at 10:48 AM

Riverbend Unit 20-14E

Section 15-10S-19E, Uintah, Utah, Roosevelt

5/24/2010 MIRU Production Logging Service SLU. SN @ 8502'. PU & RIH w/ 1.625" blind box tls. Tagged fill @ 8795'. POH & LD tls. PU & RIH w/ 1.908" tbg broach. Tls stopped just through well head. POH & LD tbg broach. PU & RIH w/ 1.908" wax knife. Tls stopped 17' FS. POH & LD wax knife. Pld sample from tls for anal. RDMO Production Logging Service. Will run condensate dwn tbg to clear wax. SDFN.

=====  
5/25/2010 MIRU Action Hot Oil Service. Ppd 40 Bbls condensate down tbg to remove paraffin. RDMO hot oiler.

=====  
5/26/2010 MIRU Wildcat Well Service SWU. BD tbg. PU & RIH w/ tbg broach. Measured to SN. No ti spots. Tls stuck in SN when attempted to POH. Sand line parted 100' above tls. RDMO Wildcat Well Service. Will get on rig list. Will flow well until then. Rpts suspended until further activity.

=====  
6/2/2010 MIRU Temples WS rig #1. EOT @ 8502'. WA/MV perfs fr/ 5614' - 8665'. PBDT @ 8802'. Bd well. Ppd dwn csg w/30 bbls TFW & KW. ND WH & NU BOP. TOH w/ 259 jts 2-3/8" 4.7#, N-80, EUE, 8rd tbg, 2-3/8" SN & 1/2 BRS. Tbg showed lt external sc BU fr/ 8146' to EOT @ 8803'. Smpl taken for analysis. Recd 150' of sd ln & swb tls w/ tbg broach in SN. LD swb tls w/ tbg broach. TIH w/ 2-3/8" mule shoe col, 2-3/8" SN & 30 jts 2-3/8" 4.7#, N-80, EUE, 8rd tbg. EOT @ 1000'. Leave csg flwg to sales. SDFN due to rig repairs.

=====  
6/3/2010 Bd well. Contd TIH w/ 229 jt 2-3/8" 4.7#, N-80, EUE, 8rd tbg. EOT @ 8502'. RU & RIH w/ XTO 1.901 tbg broach to SN. No ti spots. POH & LD broach. Drop SV & PT tbg to 1000 psig w/ 28 bbls TFW, 5" Tstd ok. RU & RIH w/ fishing tls on sd ln. Att to retrv SV w/ success. POH & LD fishing tl & SV. Ld tbg hgr. ND BOP & NU WH. Fin equ run: 2-3/8" mule shoe col, 2-3/8" SN & 259 jts 2-3/8" 4.7#, N-80, EUE, 8rd tbg. SN @ 8500'. EOT @ 8502'. WA perfs fr/ 5614' - 7829'. MV perfs fr/ 7966' - 8665'. PBDT @ 8802'. SWI & SDFN.

=====  
6/4/2010 RU & RIH w/swb tls. BFL @ 6600' FS. S, 1 BO, 50 BLW, 14 runs, 7 hrs. Smpl taken. Gray gas cut wtr, tr solids (sc flakes & corr fr/tbg ). FFL @ 6200' FS. (Did not drop BHBS). SICP 325 psig. SWI. RDMO Temples WS rig #1. Rpt suspnd, turn well over to prod dept & SWU. SDFWE.

=====  
6/7/2010 MIRU Wildcat Well Service SWU. SN @ 8500'. FL 7400' FS. Dropd new Ferguson BHBS w/ chck vlv & brush type plngr. Tried to cycle plngr to surf. Unsuccessful. PU & RIH w/ fish tls. POH & LD plngr & tls. S 0 BO, 6 BW. 2 runs, 2 hr. FFL 7400' FS. SITP 0 psig. SICP 400 psig. SDFN.

=====  
6/8/2010 SN @ 8500'. FL 7600' FS. BD tbg. S 0 BO, 5 BW. 4 runs, 3 hr. Dropd plngr. Cycled plngr to surf twice. KO well producing. FFL 7400' FS. SITP 330 psig. SICP 370 psig. RDMO Wildcat Well Service SWU. RWTP @ 3:30 p.m. 6/8/10. Final rpt. Test data to follow.

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

FORM 9

**5. LEASE DESIGNATION AND SERIAL NUMBER:**  
U-013792

**SUNDRY NOTICES AND REPORTS ON WELLS**

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7. UNIT or CA AGREEMENT NAME:**  
RIVER BEND

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**1. TYPE OF WELL**  
Gas Well

**8. WELL NAME and NUMBER:**  
RBU 20-14E

**2. NAME OF OPERATOR:**  
XTO ENERGY INC

**9. API NUMBER:**  
43047385980000

**3. ADDRESS OF OPERATOR:** 382 Road 3100 , Aztec, NM, 87410      **PHONE NUMBER:** 505 333-3159 Ext

**9. FIELD and POOL or WILDCAT:**  
NATURAL BUTTES

**4. LOCATION OF WELL FOOTAGES AT SURFACE:**  
1821 FNL 0532 FEL  
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**  
Qtr/Qtr: SENE Section: 15 Township: 10.0S Range: 19.0E Meridian: S

**COUNTY:**  
UINTAH

**STATE:**  
UTAH

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/19/2011  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text"/>

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

XTO Energy Inc. has completed acidizing this well per the attached summary report.

**RECEIVED**  
OCT 20 2011

DIV. OF OIL, GAS & MINING

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/7/2011	

**Riverbend Unit 20-14E**

**9/14/2011:** MIRU SLU. POH & LD 2 plngs & Ferguson BHBS w/ auto dump. BHBS hvy SC. PU & RIH w/ 1.625" blind box t/s. Tagged fill @ 8,792'. POH & LD t/s. PU & RIH w/ 1.908" tbg broach and ran to SN. No ti spots. POH & LD t/s. RDMO SLU. MIRU Frac Tech. NU to tbg, PT line. Gd tst. Ppd 250 gal 15% NEFE HCL acid w/additives & 35 bbls 2% KCl wtr flush w/additives. ND from tbg, NU to csg. PT line, Gd tst. Ppd 250 gal 15% NEFE HCL acid w/additives dwn csg. Wait 30 min. Ppd 250 gal 15% NEFE HCL acid w/additives dwn csg. Wait 30 min. Ppd 40 bbls 2% KCL w/ additives dwn csg. SWI, ND from csg. RDMO FracTech. Wait 24 hrs to swb tbg.

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**9/19/2011:** Dropd plngr & tried to cycle to surf. Unsuccessful. BD tbg. BFL 8,000' FS. PU & RIH w/ swab t/s. S 0 BO, 3 BW. Dropd plngr & cycled to surf until well cleaned up. FFL 8,000' FS. SITP 110 psig. SICP 180 psig. RDMO SWU. RWTP @ 4:30 p.m. 09/19/11.

=====**Riverbend Unit 20-14E**=====

**RECEIVED**

**OCT 20 2011**

**DIV. OF OIL, GAS & MINING**

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

FORM 15  
 AMENDED REPORT   
 Original Filing Date: 12/6/2011

**DESIGNATION OF WORKOVER OR RECOMPLETION**

<b>1. Name of Operator</b> XTO ENERGY INC				<b>2. Utah Account Number</b> N2615		<b>5. Well Name and Number</b> RBU 20-14E	
<b>3. Address of Operator</b> 382 Road 3100		<b>City</b> Aztec	<b>State</b> NM	<b>Zip</b> 87410	<b>4. Phone Number</b> 505 333-3159		<b>6. API Number</b> 4304738598
<b>9. Location of Well</b> Footage: 1821 FNL 0532 FEL County: UINTAH QQ, Sec, Twnp, Rnge: SENE 15 100S 190E State: UTAH						<b>7. Field Name</b> NATURAL BUTTES	
						<b>8. Field Code Number</b> 630	

**COMPLETE ALL SECTIONS. ATTACH ADDITIONAL SHEETS IF NEEDED.**

<b>10. TYPE OF WORK (Check all that apply)</b> <input checked="" type="checkbox"/> Production enhancement <input type="checkbox"/> Recompletion <input type="checkbox"/> Convert to injection <input type="checkbox"/> Repair well	<b>11. WORK PERIOD</b> Date work commenced: 9/14/2011    78 Days From Date work completed: 9/19/2011    Completion
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**12. THE FOLLOWING EXPENSES FOR OPERATIONS ARE SUBMITTED FOR DESIGNATION AS WORKOVER OR RECOMPLETION EXPENSES:**

	Expenses	Approved By State
a. Location preparation and cleanup	0.00	0.00
b. Move-in, rig-up, and rig-down (including trucking)	0.00	0.00
c. Rig charges (including fuel)	0.00	0.00
d. Drill pipe or other working string	0.00	0.00
e. Water and chemicals for circulating fluid (including water hauling)	689.52	689.52
f. Equipment purchase	0.00	0.00
g. Equipment rental	0.00	0.00
h. Cementing	0.00	0.00
i. Perforating	0.00	0.00
j. Acidizing	4248.19	4248.19
k. Fracture stimulation	0.00	0.00
l. Logging services	0.00	0.00
m. Supervision and overhead	0.00	0.00
n. Other (itemize)		
SLICK LINE UNIT	1150.00	1150.00
SWABBING UNIT	5168.13	5168.13
0	0.00	0.00
0	0.00	0.00
o. Total submitted expenses	11255.84	
p. Total approved expenses (State use only)		11255.84

**13. LIST CONTRACTORS PROVIDING SERVICES VALUED AT MORE THAN \$3,000.**

Contractor	Location (City, State)	Services Provided
FRAC TECH SERVICES LTD	VERNAL UT	ACIDIZING
WILDCAT WELL SERVICE INC	LAPOINT UT	SWABBING

**14. LIST WORKING INTEREST OWNERS WHO TAKE PRODUCT IN KIND AND ARE AUTHORIZED TO SHARE IN THE TAX CREDIT.**

Name	Address	Utah Account No.	Percent of Interest
NONE			

**I hereby certify that this report is true and complete to the best of my knowledge.**

<b>NAME (PLEASE PRINT)</b> Dolena Johnson	<b>TITLE</b> Regulatory Compliance T	<b>PHONE</b> 505 333-3164
<b>SIGNATURE</b> Dolena Johnson	<b>DATE</b> December 6, 2011	<b>E-MAIL</b> Dee_Johnson@xtoener

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-013792
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>1. TYPE OF WELL</b> Gas Well		<b>8. WELL NAME and NUMBER:</b> RBU 20-14E
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC		<b>9. API NUMBER:</b> 43047385980000
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1821 FNL 0532 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 15 Township: 10.0S Range: 19.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input checked="" type="checkbox"/> <b>ACIDIZE</b>	
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 9/19/2011	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>CHANGE WELL NAME</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>CONVERT WELL TYPE</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>NEW CONSTRUCTION</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>PLUG BACK</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>RECOMPLETE DIFFERENT FORMATION</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>TEMPORARY ABANDON</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WATER DISPOSAL</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER</b>	
	OTHER: <input style="width: 100px;" type="text"/>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>		
XTO Energy Inc. has completed acidizing this well per the attached summary report.		
TAX CREDIT COPY		
<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/7/2011

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