

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 21-14E**

*Surface Location: 2,240' FSL & 210' FWL, NW/4 SW/4,  
Target Location: 2,500' FNL & 50' FWL, SW/4 NW/4,  
Section 14, T10S, 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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SEP 05 2006

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DIV. OF OIL, GAS & MINING

**CONFIDENTIAL**

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

5. Lease Serial No. U-013792	
6. If Indian, Allottee or Tribe Name N/A	
7. If Unit or CA Agreement, Name and No. River Bend Unit	
8. Lease Name and Well No. RBU 21-14E	
9. API Well No. 43-047-38589	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory Natural Buttes
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	11. Sec., T. R. M. or Blk. and Survey or Area Section 14, T10S, R19E, SLB&M
2. Name of Operator Dominion Exploration & Production, Inc.	12. County or Parish Uintah
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134	13. State UT
3b. Phone No. (include area code) 405-749-5263	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 2,240' FSL & 210' FWL, NW/4 SW/4, At proposed prod. zone 2,500' FNL & 50' FWL, SW/4 NW/4,	
14. Distance in miles and direction from nearest town or post office* 10.72 miles southwest of Ouray, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 210'	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. 10'	19. Proposed Depth 8,750' TVD (8,844' MD)
20. BLM/BIA Bond No. on file WY 3322	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,155' GR	22. Approximate date work will start* 04/01/2007
	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 <u>Don Hamilton</u>	Name (Printed/Typed) Don Hamilton	Date 08/31/2006
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Title  
Agent for Dominion

Approved by (Signature) <u>[Signature]</u>	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)

surf 606141X  
4422399Y  
39.946328  
-109.757569

606083X  
BHL 4422501Y  
39.947881  
-109.758216

Federal Approval of this  
Action is Necessary **CONFIDENTIAL**

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# 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 21-14E  
SHL: 2240' FSL & 210' FWL Section 14-10S-19E  
BHL: 2500' FNL & 50' 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	4,235'
Uteland Limestone	4,605'
Wasatch	4,765'
Chapita Wells	5,695'
Uteland Buttes	6,945'
Mesaverde	7,845'

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

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,235'	Oil
Uteland Limestone	4,605'	Oil
Wasatch	4,765'	Gas
Chapita Wells	5,695'	Gas
Uteland Buttes	6,945'	Gas
Mesaverde	7,845'	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'	2,950'	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' - 2,950'	8.6	Fresh water, rotating head and diverter
2,950' - 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 2,950'±, 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>Cement</u>
					<u>Volume</u>	<u>Volume</u>
Lead	340	0'-2,450'	10.5 ppg	4.14 CFS	805 CF	1,409 CF
Tail	254	2,450'-2,950'	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 8,750'±, 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.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u>	<u>Cement</u>
					<u>Volume</u>	<u>Volume</u>
Lead	90	3,965'-4,765'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	790	4,765'-8,750'	13.0 ppg	1.75 CFS	690 CF	1381 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: April 1, 2007  
Duration: 14 Days

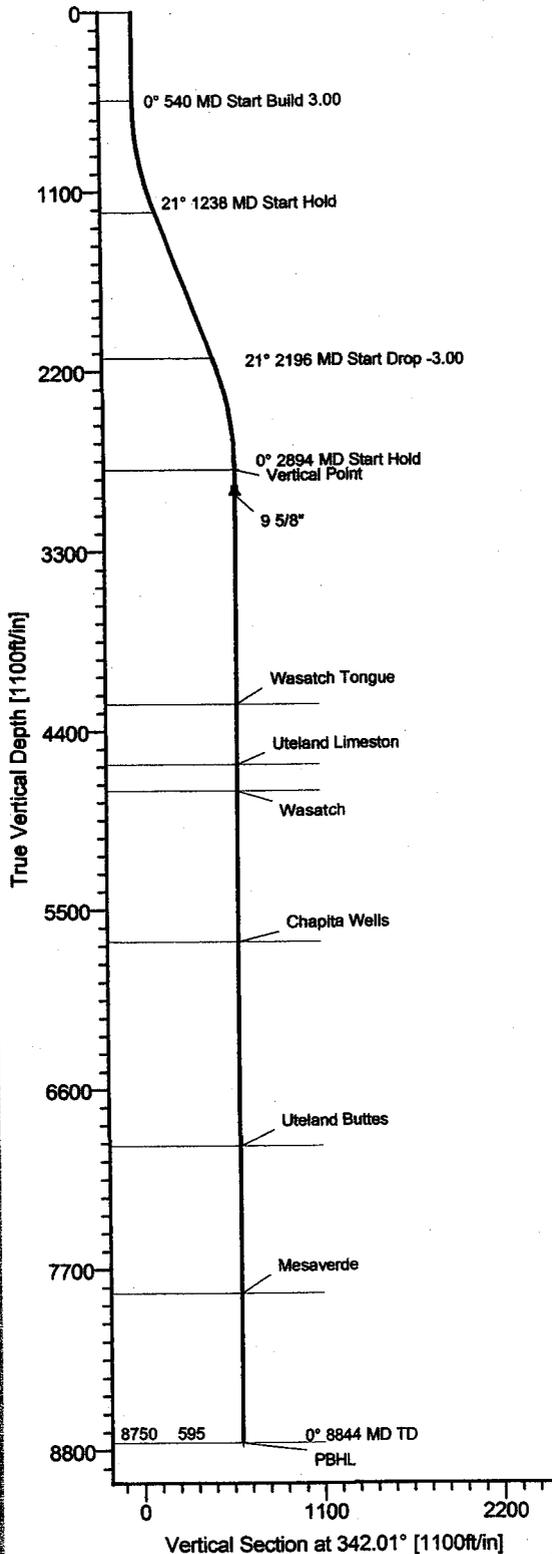


### Dominion Exploration & Production

Field: Uintah County, Utah  
 Site: RBU 21-14E  
 Well: RBU 21-14E  
 Wellpath: Original Hole  
 Plan: Plan #1

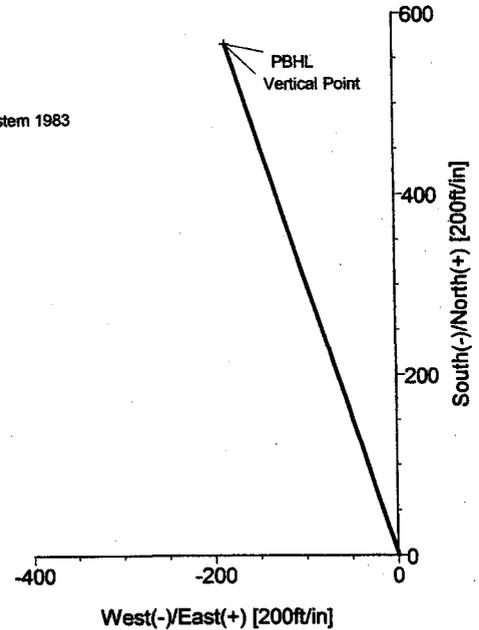


Azimuths to True North  
 Magnetic North: 11.78°  
 Magnetic Field  
 Strength: 52798nT  
 Dip Angle: 65.90°  
 Date: 8/24/2006  
 Model: igrf2005



**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: igrf2005  
 System Datum: Mean Sea Level  
 Local North: True North

**SITE DETAILS**  
 RBU 21-14E  
 Uintah/Utah  
 Section 14: 10S- 19E  
 Site Centre Latitude: 39°56'46.760N  
 Longitude: 109°45'30.330W  
 Ground Level: 5155.00  
 Positional Uncertainty: 0.00  
 Convergence: 1.12



**WELLPATH DETAILS**

Original Hole  
 Rig: SITE 5175.00ft  
 Ref. Datum: SITE 5175.00ft  

V.Section Angle	Origin +N-S	Origin +E-W	Starting From TVD
342.01°	0.00	0.00	8750.00

**WELL DETAILS**

Name	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
RBU 21-14E	0.00	0.00	7153939.24	2128648.32	39°56'46.760N	109°45'30.330W	N/A

**TARGET DETAILS**

Name	TVD	+N-S	+E-W	Shape
Vertical Point	2800.00	565.74	-183.70	Point
PBHL	8750.00	565.74	-183.70	Point

**FORMATION TOP DETAILS**

No.	TVDPATH	MDPATH	Formation
1	4235.00	4329.20	Wasatch Tongue
2	4605.00	4699.20	Uteland Limeston
3	4765.00	4859.20	Wasatch
4	5695.00	5789.20	Chapita Wells
5	6945.00	7039.20	Uteland Buttes
6	7845.00	7939.20	Mesaverde
7	8750.00	8844.20	TD

**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	342.01	0.00	0.00	0.00	0.00	0.00	0.00	
2	540.00	0.00	342.01	540.00	0.00	0.00	0.00	342.01	0.00	
3	1238.33	20.95	342.01	1222.88	120.08	-38.99	3.00	342.01	126.26	
4	2195.69	20.95	342.01	2116.95	445.66	-144.71	0.00	0.00	468.56	
5	2894.02	0.00	342.01	2799.82	565.74	-183.70	3.00	180.00	594.82	
6	2894.20	0.00	342.01	2800.00	565.74	-183.70	0.00	0.00	594.82	Vertical Point
7	8844.20	0.00	342.01	8750.00	565.74	-183.70	0.00	342.01	594.82	PBHL

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



Plan: Plan #1 (RBU 21-14E/Original Hole)  
 Created By: Charlotte Sims Date: 8/25/2006  
 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 21-14E <b>Well:</b> RBU 21-14E <b>Wellpath:</b> Original Hole	<b>Date:</b> 8/25/2006 <b>Co-ordinate(NE) Reference:</b> Well: RBU 21-14E, True North <b>Vertical (TVD) Reference:</b> SITE 5175.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,342.01Azi) <b>Plan:</b> Plan #1	<b>Time:</b> 09:53:34 <b>Page:</b> 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 21-14E Uintah/Utah Section 14: 10S- 19E <b>Site Position:</b> <b>From:</b> Geographic <b>Position Uncertainty:</b> 0.00 ft <b>Ground Level:</b> 5155.00 ft	<b>Northing:</b> 7153939.24 ft <b>Easting:</b> 2128648.32 ft	<b>Latitude:</b> 39 56 46.760 N <b>Longitude:</b> 109 45 30.330 W <b>North Reference:</b> True <b>Grid Convergence:</b> 1.116 deg
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<b>Well:</b> RBU 21-14E <b>Well Position:</b> +N/-S 0.00 ft +E/-W 0.00 ft <b>Position Uncertainty:</b> 0.00 ft	<b>Northing:</b> 7153939.24 ft <b>Easting:</b> 2128648.32 ft	<b>Slot Name:</b> <b>Latitude:</b> 39 56 46.760 N <b>Longitude:</b> 109 45 30.330 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> 52798 nT <b>Vertical Section:</b> Depth From (TVD) ft	<b>Height</b> 5175.00 ft +N/-S ft +E/-W 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> 11.783 deg <b>Mag Dip Angle:</b> 65.899 deg <b>Direction</b> deg
8750.00	0.00	0.00 342.01

<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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### Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	342.01	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
540.00	0.00	342.01	540.00	0.00	0.00	0.00	0.00	0.00	342.011	
1238.33	20.95	342.01	1222.88	120.08	-38.99	3.00	3.00	0.00	342.011	
2195.69	20.95	342.01	2116.95	445.66	-144.71	0.00	0.00	0.00	0.000	
2894.02	0.00	342.01	2799.82	565.74	-183.70	3.00	-3.00	0.00	180.000	
2894.20	0.00	342.01	2800.00	565.74	-183.70	0.00	0.00	0.00	0.000	Vertical Point
8844.20	0.00	342.01	8750.00	565.74	-183.70	0.00	0.00	0.00	342.011	PBHL

### 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	342.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	342.01	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	342.01	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	342.01	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	342.01	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	342.01	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
540.00	0.00	342.01	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	1.80	342.01	599.99	0.90	-0.29	0.94	3.00	3.00	0.00	
700.00	4.80	342.01	699.81	6.37	-2.07	6.70	3.00	3.00	0.00	
800.00	7.80	342.01	799.20	16.81	-5.46	17.67	3.00	3.00	0.00	
900.00	10.80	342.01	897.87	32.18	-10.45	33.83	3.00	3.00	0.00	
1000.00	13.80	342.01	995.57	52.43	-17.03	55.13	3.00	3.00	0.00	
1100.00	16.80	342.01	1092.01	77.53	-25.17	81.51	3.00	3.00	0.00	
1200.00	19.80	342.01	1186.94	107.39	-34.87	112.91	3.00	3.00	0.00	
1238.33	20.95	342.01	1222.88	120.08	-38.99	126.26	3.00	3.00	0.00	



# Ryan Energy Technologies Planning Report



Company: Dominion Exploration & Product  
 Field: Uintah County, Utah  
 Site: RBU 21-14E  
 Well: RBU 21-14E  
 Wellpath: Original Hole

Date: 8/25/2006 Time: 09:53:34 Page: 2  
 Co-ordinate(NE) Reference: Well: RBU 21-14E, True North  
 Vertical (TVD) Reference: SITE 5175.0  
 Section (VS) Reference: Well (0.00N,0.00E,342.01Azi)  
 Plan: 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
1300.00	20.95	342.01	1280.47	141.05	-45.80	148.30	0.00	0.00	0.00	
1400.00	20.95	342.01	1373.86	175.06	-56.84	184.06	0.00	0.00	0.00	
1500.00	20.95	342.01	1467.24	209.07	-67.89	219.82	0.00	0.00	0.00	
1600.00	20.95	342.01	1560.63	243.08	-78.93	255.57	0.00	0.00	0.00	
1700.00	20.95	342.01	1654.02	277.08	-89.97	291.33	0.00	0.00	0.00	
1800.00	20.95	342.01	1747.41	311.09	-101.01	327.08	0.00	0.00	0.00	
1900.00	20.95	342.01	1840.80	345.10	-112.06	362.84	0.00	0.00	0.00	
2000.00	20.95	342.01	1934.19	379.11	-123.10	398.59	0.00	0.00	0.00	
2100.00	20.95	342.01	2027.58	413.11	-134.14	434.35	0.00	0.00	0.00	
2195.69	20.95	342.01	2116.95	445.66	-144.71	468.56	0.00	0.00	0.00	
2200.00	20.82	342.01	2120.97	447.12	-145.18	470.10	3.00	-3.00	0.00	
2300.00	17.82	342.01	2215.33	478.58	-155.40	503.18	3.00	-3.00	0.00	
2400.00	14.82	342.01	2311.29	505.31	-164.08	531.28	3.00	-3.00	0.00	
2500.00	11.82	342.01	2408.59	527.22	-171.19	554.32	3.00	-3.00	0.00	
2600.00	8.82	342.01	2506.96	544.26	-176.72	572.23	3.00	-3.00	0.00	
2700.00	5.82	342.01	2606.13	556.37	-180.66	584.97	3.00	-3.00	0.00	
2800.00	2.82	342.01	2705.84	563.54	-182.99	592.50	3.00	-3.00	0.00	
2894.02	0.00	342.01	2799.82	565.74	-183.70	594.82	3.00	-3.00	0.00	
2894.20	0.00	342.01	2800.00	565.74	-183.70	594.82	0.00	0.00	0.00	Vertical Point
2900.00	0.00	342.01	2805.80	565.74	-183.70	594.82	0.00	0.00	0.00	
3000.00	0.00	342.01	2905.80	565.74	-183.70	594.82	0.00	0.00	0.00	
3044.20	0.00	342.01	2950.00	565.74	-183.70	594.82	0.00	0.00	0.00	9 5/8"
3100.00	0.00	342.01	3005.80	565.74	-183.70	594.82	0.00	0.00	0.00	
3200.00	0.00	342.01	3105.80	565.74	-183.70	594.82	0.00	0.00	0.00	
3300.00	0.00	342.01	3205.80	565.74	-183.70	594.82	0.00	0.00	0.00	
3400.00	0.00	342.01	3305.80	565.74	-183.70	594.82	0.00	0.00	0.00	
3500.00	0.00	342.01	3405.80	565.74	-183.70	594.82	0.00	0.00	0.00	
3600.00	0.00	342.01	3505.80	565.74	-183.70	594.82	0.00	0.00	0.00	
3700.00	0.00	342.01	3605.80	565.74	-183.70	594.82	0.00	0.00	0.00	
3800.00	0.00	342.01	3705.80	565.74	-183.70	594.82	0.00	0.00	0.00	
3900.00	0.00	342.01	3805.80	565.74	-183.70	594.82	0.00	0.00	0.00	
4000.00	0.00	342.01	3905.80	565.74	-183.70	594.82	0.00	0.00	0.00	
4100.00	0.00	342.01	4005.80	565.74	-183.70	594.82	0.00	0.00	0.00	
4200.00	0.00	342.01	4105.80	565.74	-183.70	594.82	0.00	0.00	0.00	
4300.00	0.00	342.01	4205.80	565.74	-183.70	594.82	0.00	0.00	0.00	
4329.20	0.00	342.01	4235.00	565.74	-183.70	594.82	0.00	0.00	0.00	Wasatch Tongue
4400.00	0.00	342.01	4305.80	565.74	-183.70	594.82	0.00	0.00	0.00	
4500.00	0.00	342.01	4405.80	565.74	-183.70	594.82	0.00	0.00	0.00	
4600.00	0.00	342.01	4505.80	565.74	-183.70	594.82	0.00	0.00	0.00	
4699.20	0.00	342.01	4605.00	565.74	-183.70	594.82	0.00	0.00	0.00	Uteland Limeston
4700.00	0.00	342.01	4605.80	565.74	-183.70	594.82	0.00	0.00	0.00	
4800.00	0.00	342.01	4705.80	565.74	-183.70	594.82	0.00	0.00	0.00	
4859.20	0.00	342.01	4765.00	565.74	-183.70	594.82	0.00	0.00	0.00	Wasatch
4900.00	0.00	342.01	4805.80	565.74	-183.70	594.82	0.00	0.00	0.00	
5000.00	0.00	342.01	4905.80	565.74	-183.70	594.82	0.00	0.00	0.00	
5100.00	0.00	342.01	5005.80	565.74	-183.70	594.82	0.00	0.00	0.00	
5200.00	0.00	342.01	5105.80	565.74	-183.70	594.82	0.00	0.00	0.00	
5300.00	0.00	342.01	5205.80	565.74	-183.70	594.82	0.00	0.00	0.00	
5400.00	0.00	342.01	5305.80	565.74	-183.70	594.82	0.00	0.00	0.00	
5500.00	0.00	342.01	5405.80	565.74	-183.70	594.82	0.00	0.00	0.00	
5600.00	0.00	342.01	5505.80	565.74	-183.70	594.82	0.00	0.00	0.00	
5700.00	0.00	342.01	5605.80	565.74	-183.70	594.82	0.00	0.00	0.00	
5789.20	0.00	342.01	5695.00	565.74	-183.70	594.82	0.00	0.00	0.00	Chapita Wells



# Ryan Energy Technologies

## Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU 21-14E  
**Well:** RBU 21-14E  
**Wellpath:** Original Hole

**Date:** 8/25/2006      **Time:** 09:53:34      **Page:** 3  
**Co-ordinate(NE) Reference:** Well: RBU 21-14E, True North  
**Vertical (TVD) Reference:** SITE 5175.0  
**Section (VS) Reference:** Well (0.00N,0.00E,342.01Azi)  
**Plan:** 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
5800.00	0.00	342.01	5705.80	565.74	-183.70	594.82	0.00	0.00	0.00	
5900.00	0.00	342.01	5805.80	565.74	-183.70	594.82	0.00	0.00	0.00	
6000.00	0.00	342.01	5905.80	565.74	-183.70	594.82	0.00	0.00	0.00	
6100.00	0.00	342.01	6005.80	565.74	-183.70	594.82	0.00	0.00	0.00	
6200.00	0.00	342.01	6105.80	565.74	-183.70	594.82	0.00	0.00	0.00	
6300.00	0.00	342.01	6205.80	565.74	-183.70	594.82	0.00	0.00	0.00	
6400.00	0.00	342.01	6305.80	565.74	-183.70	594.82	0.00	0.00	0.00	
6500.00	0.00	342.01	6405.80	565.74	-183.70	594.82	0.00	0.00	0.00	
6600.00	0.00	342.01	6505.80	565.74	-183.70	594.82	0.00	0.00	0.00	
6700.00	0.00	342.01	6605.80	565.74	-183.70	594.82	0.00	0.00	0.00	
6800.00	0.00	342.01	6705.80	565.74	-183.70	594.82	0.00	0.00	0.00	
6900.00	0.00	342.01	6805.80	565.74	-183.70	594.82	0.00	0.00	0.00	
7000.00	0.00	342.01	6905.80	565.74	-183.70	594.82	0.00	0.00	0.00	
7039.20	0.00	342.01	6945.00	565.74	-183.70	594.82	0.00	0.00	0.00	Uteland Buttes
7100.00	0.00	342.01	7005.80	565.74	-183.70	594.82	0.00	0.00	0.00	
7200.00	0.00	342.01	7105.80	565.74	-183.70	594.82	0.00	0.00	0.00	
7300.00	0.00	342.01	7205.80	565.74	-183.70	594.82	0.00	0.00	0.00	
7400.00	0.00	342.01	7305.80	565.74	-183.70	594.82	0.00	0.00	0.00	
7500.00	0.00	342.01	7405.80	565.74	-183.70	594.82	0.00	0.00	0.00	
7600.00	0.00	342.01	7505.80	565.74	-183.70	594.82	0.00	0.00	0.00	
7700.00	0.00	342.01	7605.80	565.74	-183.70	594.82	0.00	0.00	0.00	
7800.00	0.00	342.01	7705.80	565.74	-183.70	594.82	0.00	0.00	0.00	
7900.00	0.00	342.01	7805.80	565.74	-183.70	594.82	0.00	0.00	0.00	
7939.20	0.00	342.01	7845.00	565.74	-183.70	594.82	0.00	0.00	0.00	Mesaverde
8000.00	0.00	342.01	7905.80	565.74	-183.70	594.82	0.00	0.00	0.00	
8100.00	0.00	342.01	8005.80	565.74	-183.70	594.82	0.00	0.00	0.00	
8200.00	0.00	342.01	8105.80	565.74	-183.70	594.82	0.00	0.00	0.00	
8300.00	0.00	342.01	8205.80	565.74	-183.70	594.82	0.00	0.00	0.00	
8400.00	0.00	342.01	8305.80	565.74	-183.70	594.82	0.00	0.00	0.00	
8500.00	0.00	342.01	8405.80	565.74	-183.70	594.82	0.00	0.00	0.00	
8600.00	0.00	342.01	8505.80	565.74	-183.70	594.82	0.00	0.00	0.00	
8700.00	0.00	342.01	8605.80	565.74	-183.70	594.82	0.00	0.00	0.00	
8800.00	0.00	342.01	8705.80	565.74	-183.70	594.82	0.00	0.00	0.00	
8844.20	0.00	342.01	8750.00	565.74	-183.70	594.82	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 →			← Longitude →				
								Deg	Min	Sec	Deg	Min	Sec		
Vertical Point			2800.00	565.74	-183.70	7154501.302128453.64		39	56	52.351	N	109	45	32.689	W
-Plan hit target															
PBHL			8750.00	565.74	-183.70	7154501.302128453.64		39	56	52.351	N	109	45	32.689	W
-Plan hit target															

**Casing Points**

MD ft	TVD ft	Diameter in	Hole Size in	Name
3044.20	2950.00	9.625	12.250	9 5/8"



# Ryan Energy Technologies

## Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU 21-14E  
**Well:** RBU 21-14E  
**Wellpath:** Original Hole

**Date:** 8/25/2006 **Time:** 09:53:34 **Page:** 4  
**Co-ordinate(NE) Reference:** Well: RBU 21-14E, True North  
**Vertical (TVD) Reference:** SITE 5175.0  
**Section (VS) Reference:** Well (0.00N,0.00E,342.01Azi)  
**Plan:** Plan #1

**Formations**

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4329.20	4235.00	Wasatch Tongue		0.00	0.00
4699.20	4605.00	Uteland Limeston		0.00	0.00
4859.20	4765.00	Wasatch		0.00	0.00
5789.20	5695.00	Chapita Wells		0.00	0.00
7039.20	6945.00	Uteland Buttes		0.00	0.00
7939.20	7845.00	Mesaverde		0.00	0.00
8844.20	8750.00	TD		0.00	0.00

**Annotation**

MD ft	TVD 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 21-14E  
SHL: 2240' FSL & 210' FWL Section 14-10S-19E  
BHL: 2500' FNL & 50' 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 12:15 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 10.72 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 12-14E with no new access proposed.
- b. The operator will be responsible for all maintenance of the existing 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 2 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 north.
- 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 historic Golden Eagle nest exists within a ½ mile radius of the proposed well and may require a timing restriction that avoids activity during the nesting period of the Golden Eagle if the nest is determined to be active during spring surveys

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

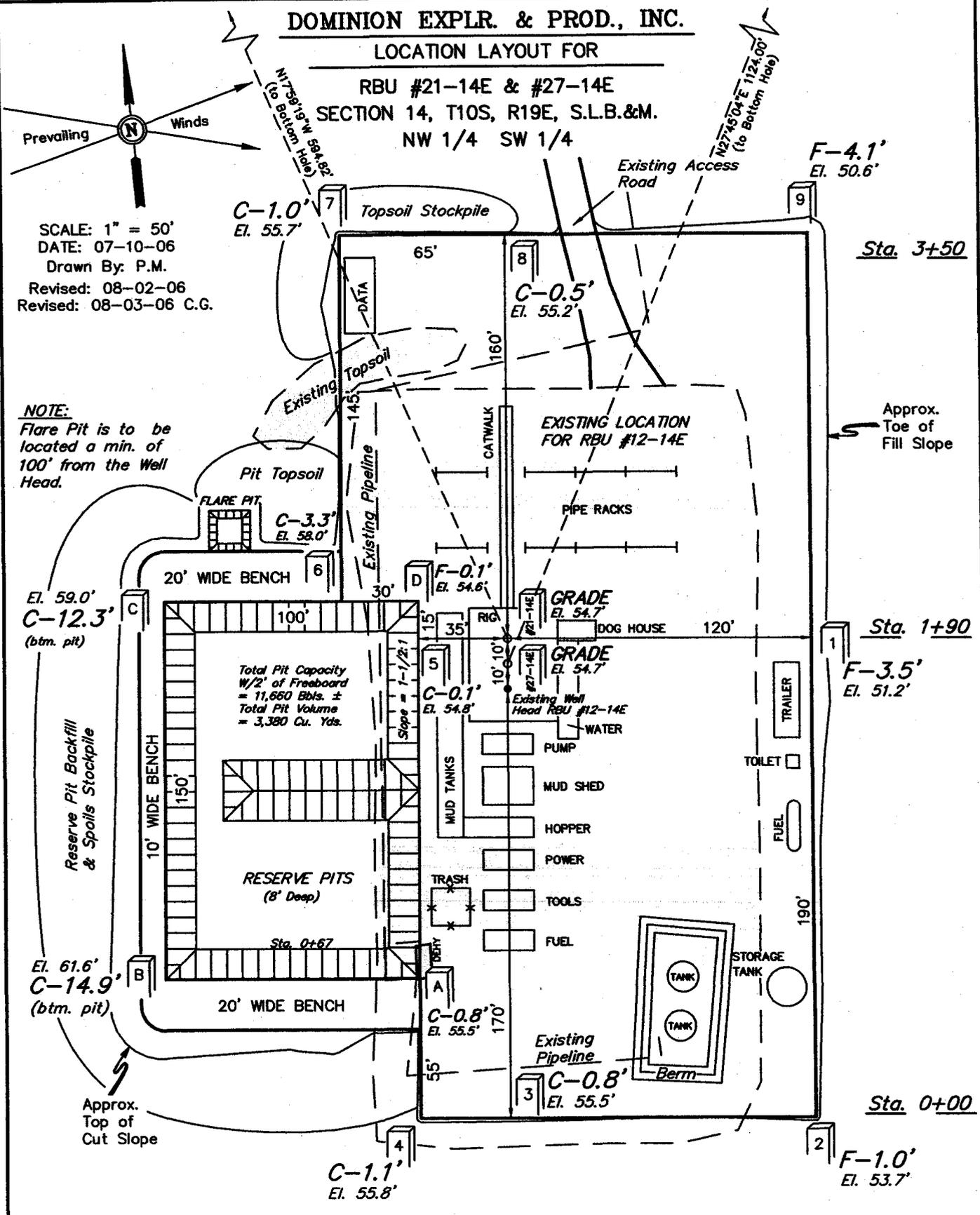
**DOMINION EXPLR. & PROD., INC.**

**LOCATION LAYOUT FOR**

**RBU #21-14E & #27-14E**  
**SECTION 14, T10S, R19E, S.L.B.&M.**  
**NW 1/4 SW 1/4**

Prevailing Winds  
 SCALE: 1" = 50'  
 DATE: 07-10-06  
 Drawn By: P.M.  
 Revised: 08-02-06  
 Revised: 08-03-06 C.G.

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



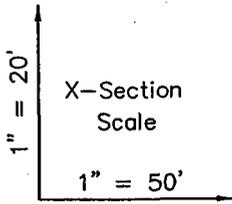
FINISHED GRADE ELEV. AT #21-14E LOC. STAKE = 5154.7'

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

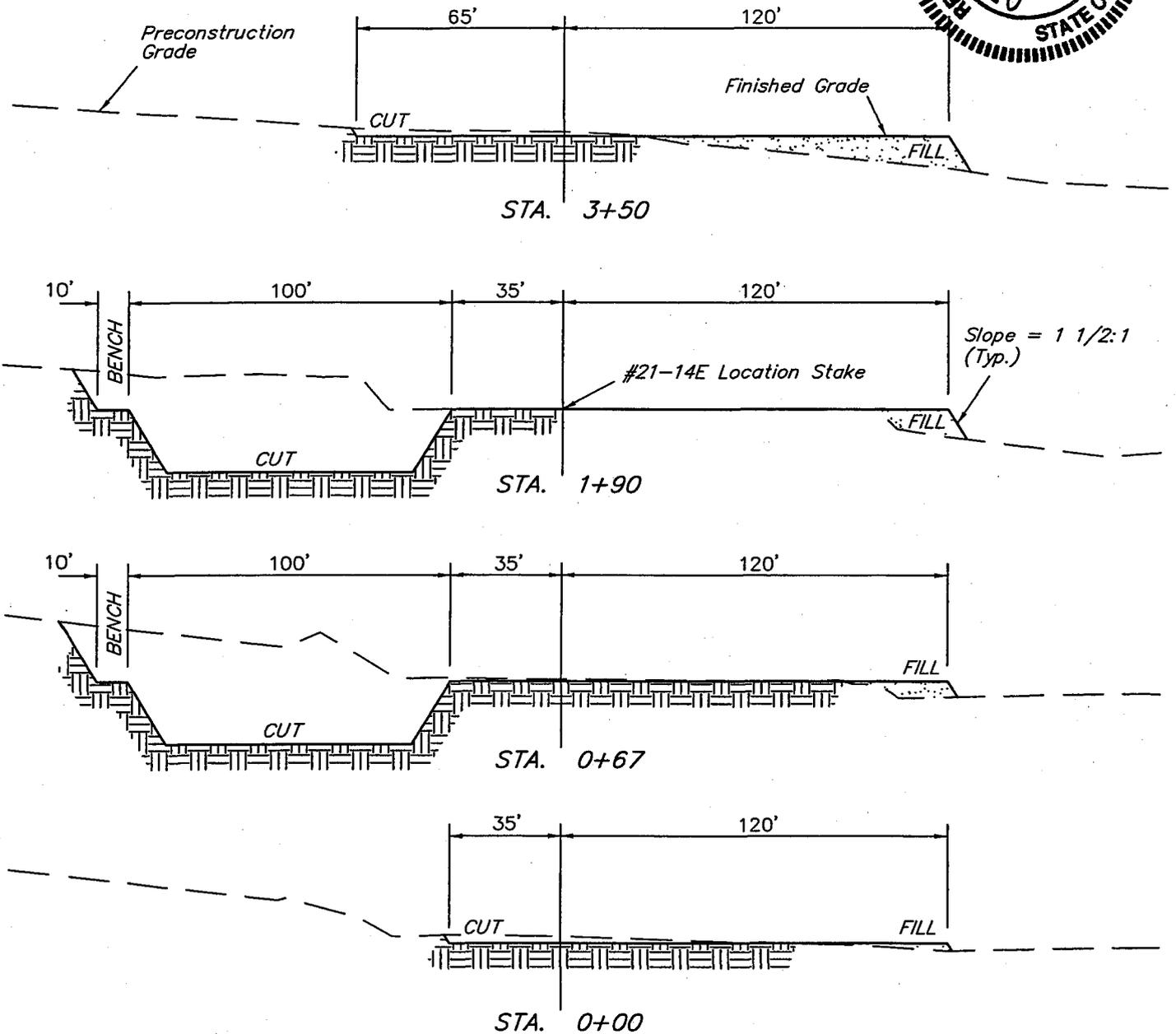
**DOMINION EXPLR. & PROD., INC.**

**TYPICAL CROSS SECTIONS FOR**

**RBU #21-14E & #27-14E  
SECTION 14, T10S, R19E, S.L.B.&M.  
NW 1/4 SW 1/4**



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



\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

**APPROXIMATE YARDAGES**

<b>CUT</b>	
(6") Topsoil Stripping (New Construction Only)	= 760 Cu. Yds.
Remaining Location	= 6,710 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 7,470 CU.YDS.</b>
<b>FILL</b>	<b>= 1,810 CU.YDS.</b>

EXCESS MATERIAL	= 5,660 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,450 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 3,210 Cu. Yds.

**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# DOMINION EXPLR. & PROD., INC.

RBU #21-14E & #27-14E  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 14, T10S, R19E, S.L.B.&M.

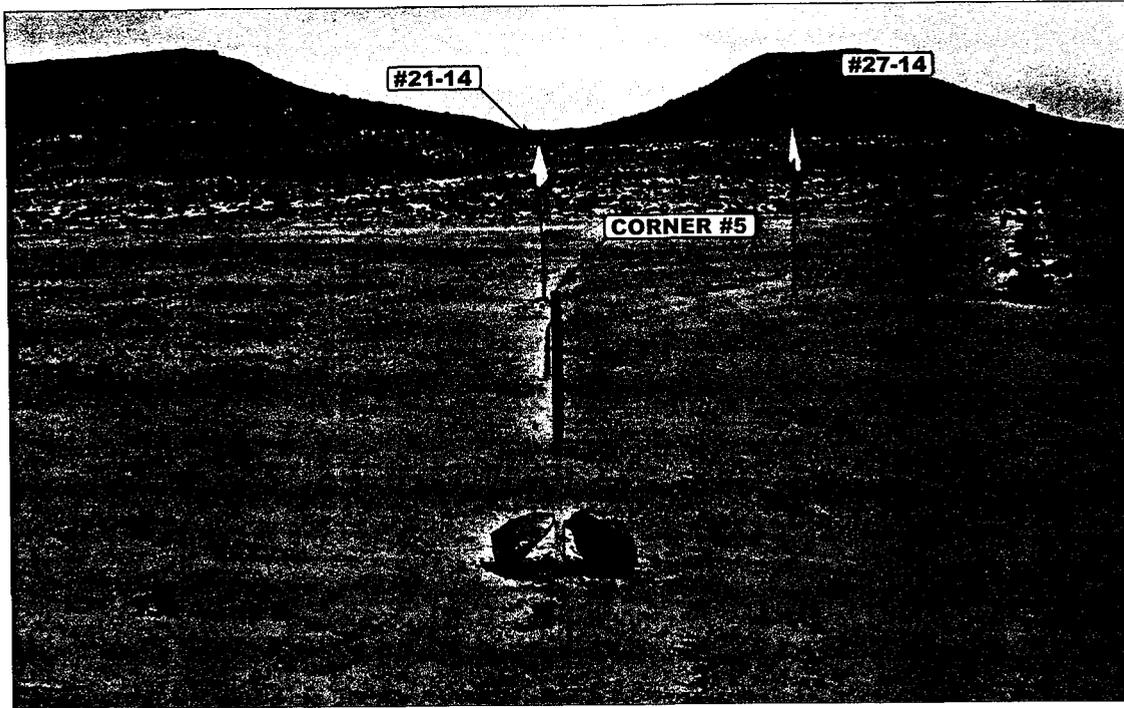


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: EASTERLY



PHOTO: VIEW OF EXISTING ACCESS

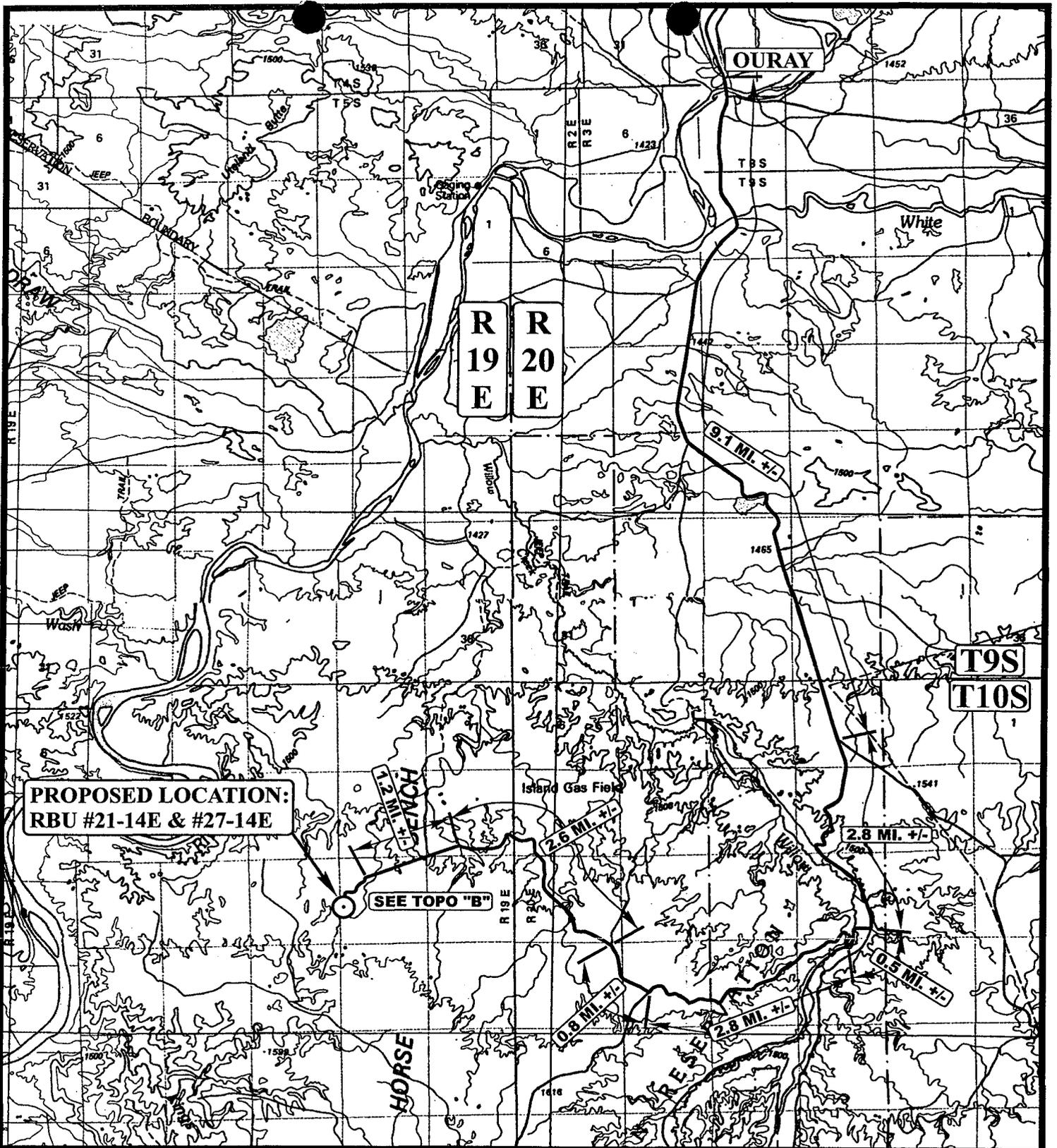
CAMERA ANGLE: SOUTHERLY



- Since 1964 -

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

LOCATION PHOTOS	07	03	06	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: B.B.	DRAWN BY: B.C.		REVISED: 00-00-00	



**LEGEND:**

⊙ PROPOSED LOCATION

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

**RBU #21-14E & #27-14E**  
**SECTION 14, T10S, R19E, S.L.B.&M.**  
**NW 1/4 SW 1/4**

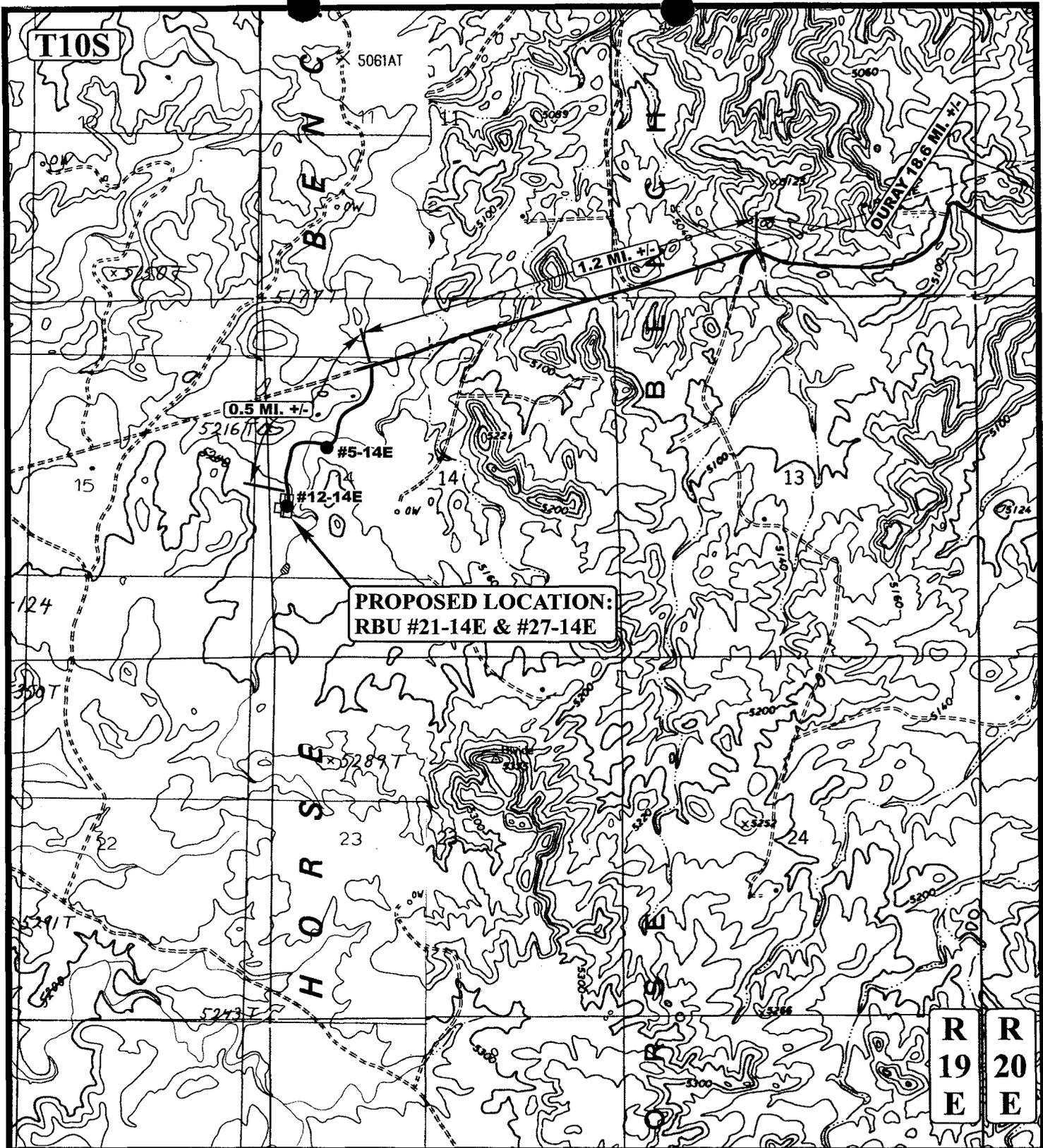


**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC** 07 03 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.**

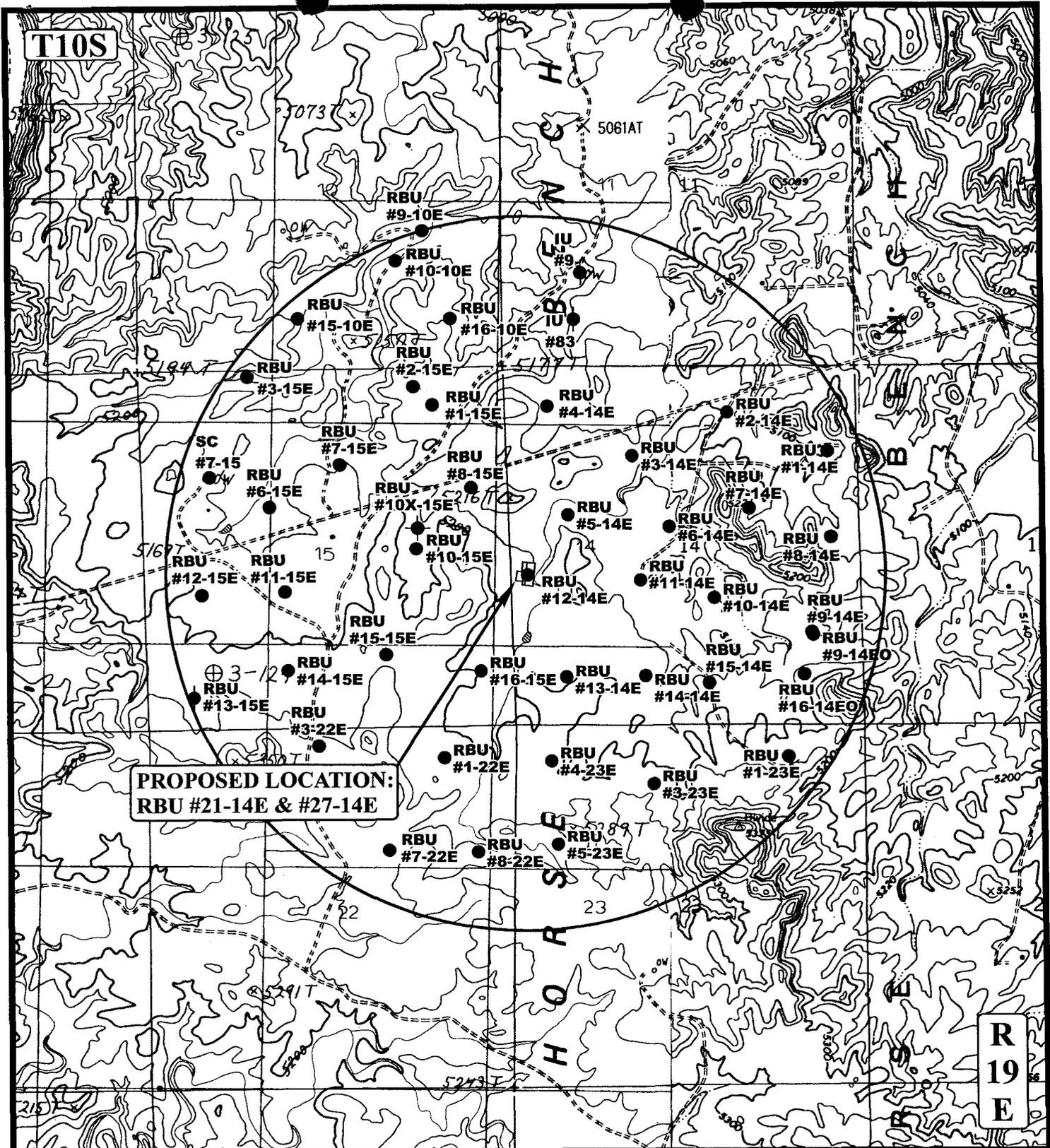
RBU #21-14E & #27-14E  
 SECTION 14, T10S, R19E, S.L.B.&M.  
 NW 1/4 SW 1/4



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

TOPOGRAPHIC MAP 07 03 06  
MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00





**PROPOSED LOCATION:  
RBU #21-14E & #27-14E**

**LEGEND:**

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⬮ SHUT IN WELLS
- ⊕ WATER WELLS
- ⬮ ABANDONED WELLS
- ⬮ TEMPORARILY ABANDONED



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

**RBU #21-14E & #27-14E  
SECTION 14, T10S, R19E, S.L.B.&M.  
NW 1/4 SW 1/4**



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

**TOPOGRAPHIC MAP**

<b>07</b>	<b>03</b>	<b>06</b>
MONTH	DAY	YEAR

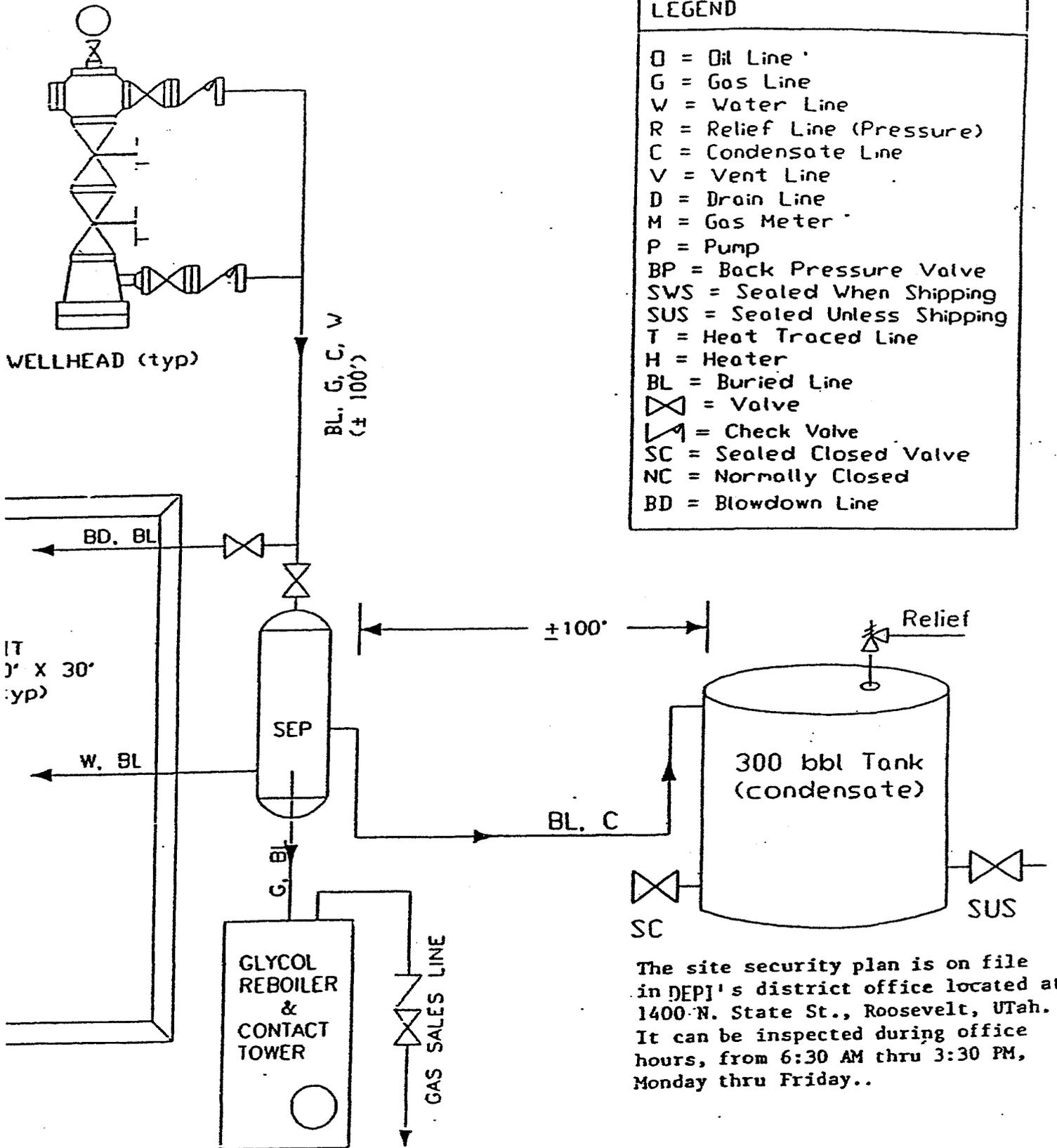
SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00



DOMINION EXPLR. & PROD., INC.  
RBU #21-14E & #27-14E  
SECTION 14, 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 DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; PROCEED IN A NORTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 2.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN WESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE EXISTING #12-14E AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.3 MILES.



**LEGEND**

- O = 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
- ⋈ (with arrow) = 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

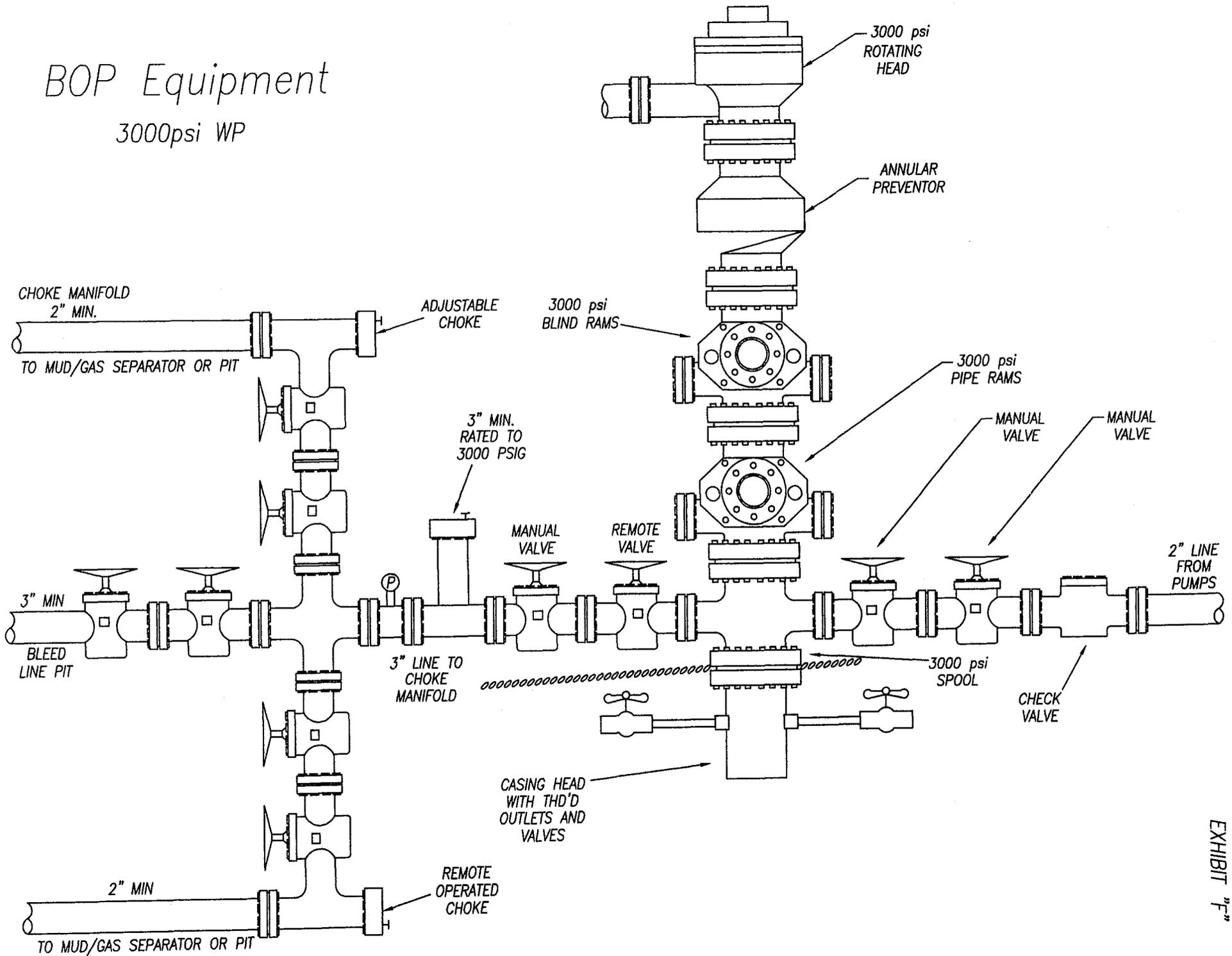


EXHIBIT "F"

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 09/05/2006

API NO. ASSIGNED: 43-047-38589
--------------------------------

WELL NAME: RBU 21-14E  
 OPERATOR: DOMINION EXPL & PROD ( N1095 )  
 CONTACT: DON HAMILTON

PHONE NUMBER: 405-749-5263

PROPOSED LOCATION:

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

NWSW 14 100S 190E  
 SURFACE: 2240 FSL 0210 FWL  
 BOTTOM: 2500 FNL 0050 FWL  
 COUNTY: UINTAH  
 LATITUDE: 39.94633 LONGITUDE: -109.7576  
 UTM SURF EASTINGS: 606141 NORTHINGS: 4422329  
 FIELD NAME: NATURAL BUTTES ( 630 )

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

PROPOSED FORMATION: MVRD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

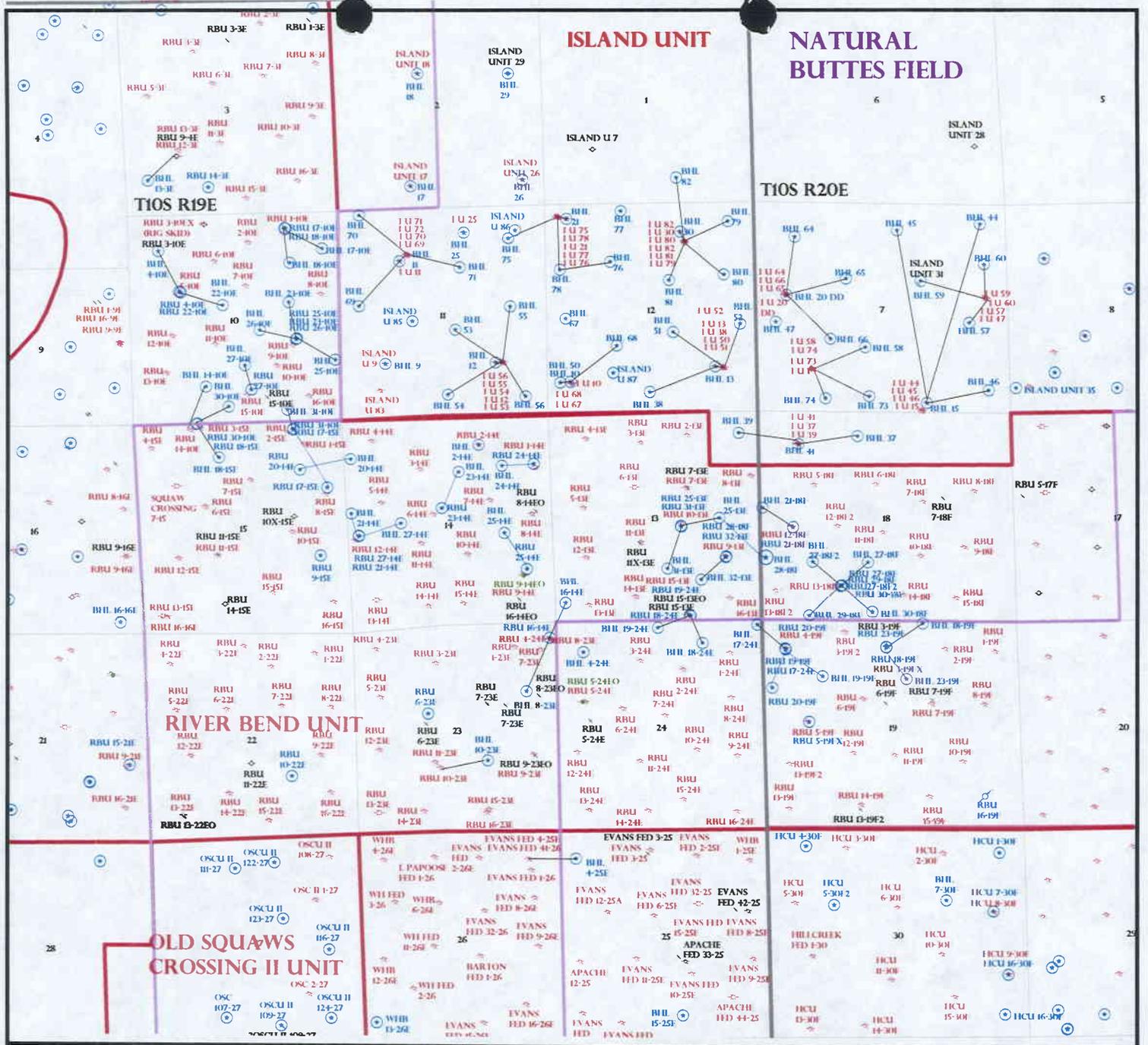
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WY 3322 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-10447 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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: 259-01  
Eff Date: 8-18-06  
Siting: Sussex R649-3-11
- \_\_\_ R649-3-11. Directional Drill

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

STIPULATIONS: 1 - Federal 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



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 21-14E Well, Surface Location 2240' FSL, 210' FWL, NW SW, Sec. 14,  
T. 10 South, R. 19 East, Bottom Location 2500' FNL, 50' FWL, SW 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 43-047-38589.

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 <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>Dominion Exploration &amp; Production, Inc.</b>		6. If Indian, Allottee or Tribe Name
3a. Address <b>14000 Quail Springs Parkway, OKC, OK 73134</b>	3b. Phone No. (include area code) <b>(405) 749-1300</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>2,240' FSL &amp; 210' FWL, NW SW, Section 14-10S-19E 2,500' FNL &amp; 50' FWL, SW NW, Section 14-10S-19E</b>		8. Well Name and No. <b>RBU 21-14E</b>
		9. API Well No. <b>43-047-38589</b>
		10. Field and Pool, or Exploratory Area <b>Natural Buttes</b>
		11. County or Parish, State <b>Uintah, UT</b>

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"/> Altering 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 checked="" type="checkbox"/> Other <b>Drilling Plan</b>

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.

Approved by  
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) <b>Keri Pfeifer</b>	Title <b>Associate Regulatory Specialist</b>
Signature <i>Keri Pfeifer</i>	Date <b>10/31/06</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.

# 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 21-14E  
SHL: 2240' FSL & 210' FWL Section 14-10S-19E  
BHL: 2500' FNL & 50' 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	4,329'
Uteland Limestone	4,699'
Wasatch	4,859'
Chapita Wells	5,789'
Uteland Buttes	7,039'
Mesaverde	7,939'

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

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,329'	Oil
Uteland Limestone	4,699'	Oil
Wasatch	4,859'	Gas
Chapita Wells	5,789'	Gas
Uteland Buttes	7,039'	Gas
Mesaverde	7,939'	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'	3,044'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,844'	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 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' – 3,044'	8.6	Fresh water, rotating head and diverter
3,044' – 8,044'	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 contact 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 3,044'±, 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>Cement</u>
					<u>Volume</u>	<u>Volume</u>
Lead	353	0'-2,544'	10.5 ppg	4.14 CFS	835 CF	1,461 CF
Tail	254	2,544'-3,044'	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 8,844'±, 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>Cement</u>
					<u>Volume</u>	<u>Volume</u>
Lead	90	4,059'-4,859'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	790	4,859'-8,844'	13.0 ppg	1.75 CFS	690 CF	1381 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: April 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**

5. Lease Serial No. U-013792	
6. If Indian, Allottee or Tribe Name N/A	
7. If Unit or CA Agreement, Name and No. River Bend Unit	
8. Lease Name and Well No. RBU 21-14E	
9. API Well No. 43,047,38589	
10. Field and Pool, or Exploratory Natural Buttes	
11. Sec., T. R. M. or Blk. and Survey or Area Section 14, T10S, R19E, SLB&M	
12. County or Parish Uintah	13. State UT
1. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	
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	
2. Name of Operator Dominion Exploration & Production, Inc.	
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134	3b. Phone No. (include area code) 405-749-5263
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 2,240' FSL & 210' FWL, NW/4 SW/4, At proposed prod. zone 2,500' FNL & 50' FWL, SW/4 NW/4,	
14. Distance in miles and direction from nearest town or post office* 10.72 miles southwest of Ouray, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 210'	16. No. of acres in lease 1,882.20 acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 10'	19. Proposed Depth 8,750' TVD (8,844' MD)
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,155' GR	22. Approximate date work will start* 04/01/2007
17. Spacing Unit dedicated to this well 20 acres	
20. BLM/BIA Bond No. on file WY 3322	
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 Kowzka</i>	Name (Printed/Typed) JERRY KOWZKA	Date 12-22-2006
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Title  
Assistant Field Manager  
Lands & Mineral Resources

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)

**CONDITIONS OF APPROVAL ATTACHED**

**CONFIDENTIAL**

RECEIVED

ORIGINAL

NOTICE OF APPROVAL

JAN 16 2007

DIV. OF OIL, GAS & MINING

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**

Company: Dominion Exploration & Production Location: NWSW, Sec 14, T10S, R19E  
Well No: RBU 21-14E Lease No: UTU-013792  
API No: 43-047-38589 Agreement: 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	
After hours contact number: (435) 781-4513		FAX: (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  
(Notify Karl Wright) - Forty-Eight (48) hours prior to construction of location and access roads
- Location Completion  
(Notify Karl Wright) - Prior to moving on the drilling rig.
- Spud Notice  
(Notify PE) - Twenty-Four (24) hours prior to spudding the well.
- Casing String & Cementing  
(Notify Jamie Sparger SPT) - Twenty-Four (24) hours prior to running casing and cementing all casing strings.
- BOP & Related Equipment Tests  
(Notify Jamie Sparger SPT) - Twenty-Four (24) hours prior to initiating pressure tests.
- First Production Notice  
(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.

- **RBU 21-14E:** There would be a time restriction to protect the Golden Eagle nesting season from February 1-July 15. If it is anticipated that construction or drilling would occur during the given timing restrictions for any wildlife, a BLM or qualified biologist should be notified so surveys could be conducted. Depending upon the results of the survey, permission to proceed may or may not be recommended or granted (depending on the species being surveyed and the condition of the habitat).
- 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 would be:

Hy-crest Crested Wheat grass	<i>Agropyron cristatum</i>	4 lbs per acre
Western Wheat grass	<i>Agropyron smithii</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.

RECEIVED

SEP 10 2007

FORM 9

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 21-14E

9. API NUMBER:  
4304738589

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: 2,240' FSL & 210' FWL COUNTY: Uintah STATE: UTAH QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 14 10S 19E S

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	

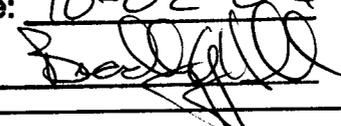
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

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

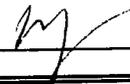
Date: 10-02-07

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

D.V. 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: 4304738589  
Well Name: RBU 21-14E  
Location: 14-10S-19E 2,240' FSL & 210' FWL  
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

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

**ROUTING**

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
- 4a. Is the new operator registered in the State of Utah: Business Number: 5655506-0143
- 4b. If **NO**, the operator was contacted on: \_\_\_\_\_
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. 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
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762
- 3b. 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

**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	SENE	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	SENE	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

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.*

<b>SUBMIT IN TRIPLICATE- Other instructions on reverse side.</b>		5. Lease Serial No. U-013792
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator XTO Energy, Inc.		7. If Unit or CA/Agreement, Name and/or No. River Bend Unit
3a. Address PO Box 1360; 978 North Crescent, Roosevelt, UT 84066		8. Well Name and No. RBU 21-14E
3b. Phone No. (include area code) 435-722-4521		9. API Well No. 4304738589
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2,240' FSL & 210' FWL, NW/4 SW/4, Section 14, T10S, R19E, SLB&M		10. Field and Pool, or Exploratory Area Natural Buttes
		11. County or Parish, State Utah 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"/> 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 <u>Permit Extension</u>
	<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 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 <i>Don Hamilton</i>	Date 10-10-2007

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

Approved by <i>[Signature]</i> 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	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

**UDOGM**

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 21-14E  
**Location:** NWSW Sec 14-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**

*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>KTO 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>2240' FSL &amp; 210' FWL NWSW SEC 14-T10S-19E</b>		8. Well Name and No. <b>RBU #21-14E</b>
		9. API Well No. <b>43-047-38589</b>
		10. Field and Pool, or Exploratory Area <b>NATURAL BUTTES</b>
		11. County or Parish, State <b>UTAH UT</b>

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"/> After 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 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.)

KTO Energy Inc. proposes to make changes to the drilling plans per the attached procedure.

**RECEIVED**  
**AUG 14 2008**

DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR

Date: 9.8.2008

Initials: KS

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 9/14/08  
By: [Signature]

Federal Approval Of This  
Action Is Necessary

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) <b>LORRI E. BINGHAM</b>	Title <b>REGULATORY COMPLIANCE TECH</b>
Signature <u>[Signature]</u>	Date <b>8/14/08</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**

# XTO ENERGY INC.

RBU 21-14E

APD Data

August 13, 2008

Location: 2240' FSL & 210' FWL, Sec. 14, T10S, R19E County: Uintah

State: Utah

Bottomhole Location: 2500' FNL & 50' FWL, Sec. 14, T10S, R19E

GREATEST PROJECTED TD: 8798' MD/ 8750' TVD  
APPROX GR ELEV: 5155'

OBJECTIVE: Wasatch/Mesaverde  
Est KB ELEV: 5169' (14' AGL)

## 1. MUD PROGRAM:

INTERVAL	0' to 2223'	2223' to 8798'
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 ±2223' 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'-2223'	2223'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.92

Production Casing: 5.5" casing set at ±8798' 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'-8798'	8798'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.90	2.34	2.33

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

## 3. WELLHEAD:

- 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.
- 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:

- Surface: 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at ±2223' in 12.25" hole.

### LEAD:

±218 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 1252.5 ft<sup>3</sup>. Slurry includes 75% excess of calculated open hole annular volume to 2223'.*

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±8798' in 7.875" hole.

LEAD:

±276 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 1450.4 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 1723' 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 (8798') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (8798') to 2223'. Run Gamma Ray to surface.

6. FORMATION TOPS:

Please see attached directional plan.

7. ANTICIPATED OIL, GAS, & WATER ZONES:

- A. 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:**

<u>Name</u>	<u>Title</u>	<u>Office Phone</u>	<u>Home Phone</u>
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 21-14E

San Juan Division  
Drilling Department

Calculation Method: Minimum Curvature  
Geodetic Datum: North American Datum 1983  
Lat: 39° 56' 46.759 N  
Long: 109° 45' 30.330 W



Azimuths to True North  
Magnetic North: 11.52°

Magnetic Field  
Strength: 52569.1nT  
Dip Angle: 65.85°  
Date: 8/13/2008  
Model: IGRF200510

### SECTION DETAILS

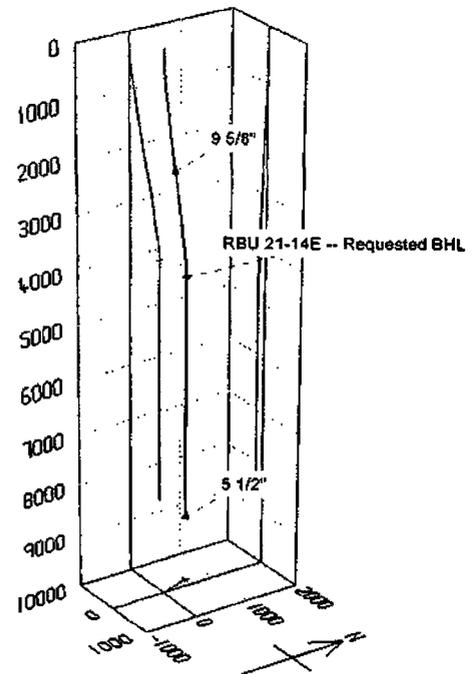
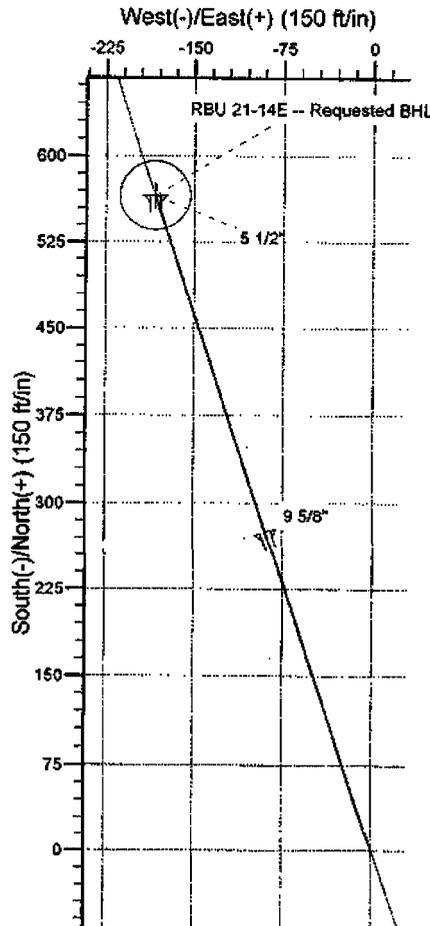
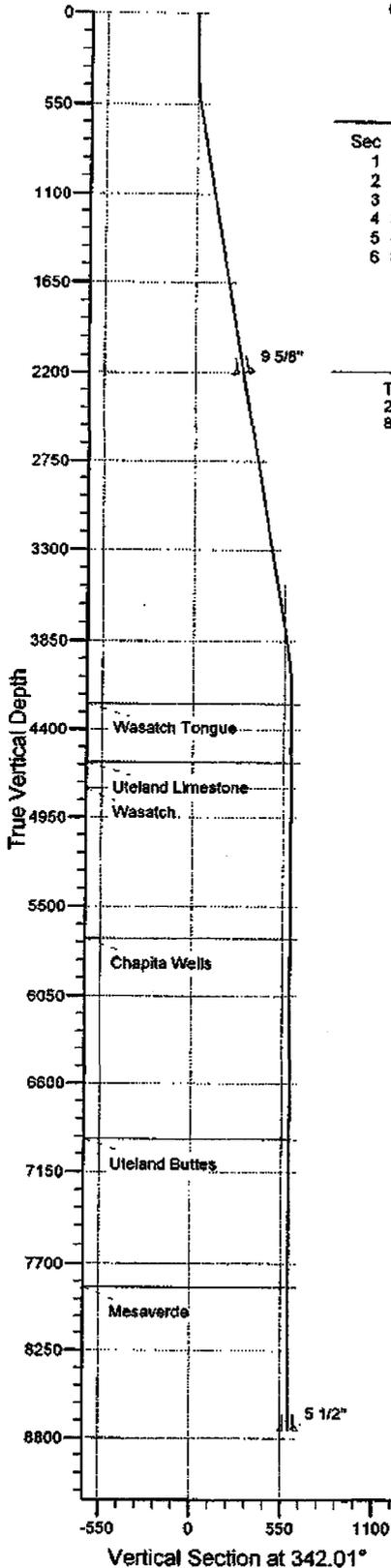
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	614.0	9.42	342.01	612.6	24.5	-8.0	3.00	342.01	25.8	
4	3933.6	9.42	342.01	3887.4	541.2	-175.8	0.00	0.00	569.1	
5	4247.6	0.00	0.00	4200.0	565.7	-183.7	3.00	180.00	594.8	RBU 21-14E -- Requested BHL
6	8797.6	0.00	0.00	8750.0	565.7	-183.7	0.00	0.00	594.8	

### CASING DETAILS

TVD	MD	Name	Size
2200.0	2223.1	9 5/8"	9-5/8
8750.0	8797.6	5 1/2"	5-1/2

### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4235.0	4282.6	Wasatch Tongue
4605.0	4652.6	Uteland Limestone
4765.0	4812.6	Wasatch
5695.0	5742.6	Chapita Wells
6945.0	6992.6	Uteland Buttes
7845.0	7892.6	Mesaverde



# **XTO Energy**

**Natural Buttes Wells(NAD83)**

**RBU 21-14E**

**RBU 21-14E**

**RBU 21-14E**

**Plan: Permitted Wellbore**

## **Standard Planning Report**

**13 August, 2008**

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 21-14E  
**Well:** RBU 21-14E  
**Wellbore:** RBU 21-14E  
**Design:** Permitted Wellbore

**Local Co-ordinate Reference:** Well RBU 21-14E  
**TVD Reference:** Rig KB @ 5169.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5169.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

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

**Site:** RBU 21-14E, T10S, R19E  
**Site Position:**  
**From:** Lat/Long  
**Position Uncertainty:** 0.0 ft  
**Northing:** 3,144,720.81 ft  
**Easting:** 2,128,794.88 ft  
**Spot Radius:** \*  
**Latitude:** 39° 56' 46.759 N  
**Longitude:** 109° 45' 30.330 W  
**Grid Convergence:** 1.15 °

**Well:** RBU 21-14E, S-Well to Wasatch/Mesaverde  
**Well Position:**  
**+N/S:** 0.0 ft  
**+E/W:** 0.0 ft  
**Position Uncertainty:** 0.0 ft  
**Wellhead Elevation:** 5,155.0 ft  
**Northing:** 3,144,720.81 ft  
**Easting:** 2,128,794.88 ft  
**Latitude:** 39° 56' 46.759 N  
**Longitude:** 109° 45' 30.330 W  
**Ground Level:** 5,155.0 ft

**Wellbore:** RBU 21-14E  
**Model Name:** IGRF200510  
**Sample Date:** 8/13/2008  
**Declination:** 11.52  
**Dip Angle:** 65.85  
**Field Strength:** 52,589

**Design:** Permitted Wellbore  
**Audit Notes:**  
**Version:** Phase: PROTOTYPE Tie On Depth: 0.0  
**Vertical Section:**  

Depth From (TVD) (ft)	+N/S (ft)	+E/W (ft)	Direction (°)
0.0	0.0	0.0	342.01

**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)	TPD (°)	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	
614.0	9.42	342.01	612.6	24.5	-8.0	3.00	3.00	0.00	342.01	
3,933.6	9.42	342.01	3,887.4	541.2	-175.8	0.00	0.00	0.00	0.00	
4,247.6	0.00	0.00	4,200.0	565.7	-183.7	3.00	-3.00	0.00	180.00	RBU 21-14E - Reque
8,797.6	0.00	0.00	8,750.0	565.7	-183.7	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)  
 Well: RBU 21-14E  
 Wellbore: RBU 21-14E  
 Design: Permitted Wellbore

Local Co-ordinate Reference: Well RBU 21-14E  
 TVD Reference: Rig KB @ 5169.0ft (Frontier #6)  
 MD Reference: Rig KB @ 5169.0ft (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	342.01	400.0	2.5	-0.8	2.6	3.00	3.00	0.00
500.0	6.00	342.01	499.6	10.0	-3.2	10.5	3.00	3.00	0.00
600.0	9.00	342.01	598.8	22.4	-7.3	23.5	3.00	3.00	0.00
614.0	9.42	342.01	612.6	24.5	-8.0	25.8	3.00	3.00	0.00
700.0	9.42	342.01	697.4	37.9	-12.3	39.8	0.00	0.00	0.00
800.0	9.42	342.01	796.1	53.4	-17.4	56.2	0.00	0.00	0.00
900.0	9.42	342.01	894.7	69.0	-22.4	72.6	0.00	0.00	0.00
1,000.0	9.42	342.01	993.4	84.6	-27.5	88.9	0.00	0.00	0.00
1,100.0	9.42	342.01	1,092.0	100.1	-32.5	105.3	0.00	0.00	0.00
1,200.0	9.42	342.01	1,190.7	115.7	-37.6	121.7	0.00	0.00	0.00
1,300.0	9.42	342.01	1,289.3	131.3	-42.6	138.0	0.00	0.00	0.00
1,400.0	9.42	342.01	1,388.0	146.8	-47.7	154.4	0.00	0.00	0.00
1,500.0	9.42	342.01	1,486.6	162.4	-52.7	170.8	0.00	0.00	0.00
1,600.0	9.42	342.01	1,585.3	178.0	-57.8	187.1	0.00	0.00	0.00
1,700.0	9.42	342.01	1,683.9	193.5	-62.9	203.5	0.00	0.00	0.00
1,800.0	9.42	342.01	1,782.6	209.1	-67.9	219.9	0.00	0.00	0.00
1,900.0	9.42	342.01	1,881.2	224.7	-73.0	236.2	0.00	0.00	0.00
2,000.0	9.42	342.01	1,979.9	240.2	-78.0	252.6	0.00	0.00	0.00
2,100.0	9.42	342.01	2,078.5	255.8	-83.1	269.0	0.00	0.00	0.00
2,200.0	9.42	342.01	2,177.2	271.4	-88.1	285.3	0.00	0.00	0.00
2,223.1	9.42	342.01	2,200.0	275.0	-89.3	289.1	0.00	0.00	0.00
9 5/8"									
2,300.0	9.42	342.01	2,275.9	286.9	-93.2	301.7	0.00	0.00	0.00
2,400.0	9.42	342.01	2,374.5	302.5	-98.2	318.1	0.00	0.00	0.00
2,500.0	9.42	342.01	2,473.2	318.1	-103.3	334.4	0.00	0.00	0.00
2,600.0	9.42	342.01	2,571.8	333.6	-108.3	350.8	0.00	0.00	0.00
2,700.0	9.42	342.01	2,670.5	349.2	-113.4	367.2	0.00	0.00	0.00
2,800.0	9.42	342.01	2,769.1	364.8	-118.5	383.5	0.00	0.00	0.00
2,900.0	9.42	342.01	2,867.8	380.3	-123.5	399.9	0.00	0.00	0.00
3,000.0	9.42	342.01	2,966.4	395.9	-128.6	416.3	0.00	0.00	0.00
3,100.0	9.42	342.01	3,065.1	411.5	-133.6	432.6	0.00	0.00	0.00
3,200.0	9.42	342.01	3,163.7	427.0	-138.7	449.0	0.00	0.00	0.00
3,300.0	9.42	342.01	3,262.4	442.6	-143.7	465.4	0.00	0.00	0.00
3,400.0	9.42	342.01	3,361.0	458.2	-148.8	481.7	0.00	0.00	0.00
3,500.0	9.42	342.01	3,459.7	473.7	-153.8	498.1	0.00	0.00	0.00
3,600.0	9.42	342.01	3,558.3	489.3	-158.9	514.5	0.00	0.00	0.00
3,700.0	9.42	342.01	3,657.0	504.9	-163.9	530.8	0.00	0.00	0.00
3,800.0	9.42	342.01	3,755.6	520.4	-169.0	547.2	0.00	0.00	0.00
3,900.0	9.42	342.01	3,854.3	536.0	-174.1	563.6	0.00	0.00	0.00
3,933.6	9.42	342.01	3,887.4	541.2	-175.8	569.1	0.00	0.00	0.00
4,000.0	7.43	342.01	3,953.1	550.5	-178.8	578.8	3.00	-3.00	0.00
4,100.0	4.43	342.01	4,052.6	560.3	-182.0	589.1	3.00	-3.00	0.00
4,200.0	1.43	342.01	4,152.4	565.2	-183.5	594.2	3.00	-3.00	0.00
4,247.6	0.00	0.00	4,200.0	565.7	-183.7	594.8	3.00	-3.00	0.00
RBU 21-14E -- Requested BHL									
4,282.6	0.00	0.00	4,235.0	565.7	-183.7	594.8	0.00	0.00	0.00
Wasatch Tongue									
4,300.0	0.00	0.00	4,252.4	565.7	-183.7	594.8	0.00	0.00	0.00
4,400.0	0.00	0.00	4,352.4	565.7	-183.7	594.8	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 21-14E  
 Well: RBU 21-14E  
 Wellbore: RBU 21-14E  
 Design: Permitted Wellbore

Local Co-ordinate Reference: Well RBU 21-14E  
 TVD Reference: Rig KB @ 5169.0ft (Frontier #6)  
 MD Reference: Rig KB @ 5169.0ft (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)
8,797.6 5 1/2"	0.00	0.00	8,750.0	565.7	-183.7	594.8	0.00	0.00	0.00

**Targets**

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/S (ft)	+E/W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
missa target Shabe									
RBU 21-14E - Request - plan hits target - Circle (radius 30.0)	0.00	0.00	4,200.0	565.7	-183.7	3,145,262.75	2,128,599.87	39° 56' 52.349 N	109° 45' 32.688 W

**casing Points**

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,223.1	2,200.0	9 5/8"	9-5/8	12-1/4
8,797.6	8,750.0	5 1/2"	5-1/2	7-7/8

**Formations**

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,282.6	4,235.0	Wasatch Tongue		0.00	
4,652.6	4,605.0	Uteland Limestone		0.00	
4,812.6	4,765.0	Wasatch		0.00	
5,742.6	5,695.0	Chapita Wells		0.00	
6,992.6	6,945.0	Uteland Buttes		0.00	
7,892.6	7,845.0	Mesaverde		0.00	

**XTO Energy, Inc.**  
**Planning Report**

Database: EDM 2003.14 Single User Db  
 Company: XTO Energy  
 Project: Natural Buttes Wells(NAD83)  
 Well: RBU 21-14E  
 Wellbore: RBU 21-14E  
 Design: Permitted Wellbore

Local Co-ordinate Reference  
 TVD Reference:  
 ND Reference:  
 North Reference:  
 Survey Calculation Method:

Well RBU 21-14E  
 Rig KB @ 5169.0ft (Frontier #6)  
 Rig KB @ 5169.0ft (Frontier #6)  
 True  
 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)
8,797.6 5 1/2"	0.00	0.00	8,750.0	565.7	-183.7	594.8	0.00	0.00	0.00

**Targets**

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/S (ft)	+E/W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
RBU 21-14E -- Request - plan hits target - Circle (radius 30.0)	0.00	0.00	4,200.0	565.7	-183.7	3,145,282.75	2,128,599.87	39° 56' 52.349 N	109° 45' 32.688 W

**Geologic**

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,223.1	2,200.0	9 5/8"	9-5/8	12-1/4
6,797.6	8,750.0	5 1/2"	5-1/2	7-7/8

**Formations**

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,282.6	4,235.0	Wasatch Tongue		0.00	
4,652.6	4,605.0	Uteland Limestone		0.00	
4,812.6	4,765.0	Wasatch		0.00	
5,742.6	5,695.0	Chapita Wells		0.00	
6,992.6	6,945.0	Uteland Buttes		0.00	
7,892.6	7,845.0	Mesaverde		0.00	

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.*

**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>2240' FSL &amp; 210' FWL NWSW SEC 14-T10S-19E</b>		8. Well Name and No. <b>REU #21-14E</b>
		9. API Well No. <b>43-047-38589</b>
		10. Field and Pool, or Exploratory Area <b>NATURAL BUTTES</b>
		11. County or Parish, State <b>UINTAH UT</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 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 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 20" conductor hole on 09/17/2008 & drilled to 40'. Set 14", 36.75# , A52A csg @ 40' & cemented conductor csg to surface w/ 5 yards of Redimix. Finished cement job on 09/17/2008.

Drilling ahead...

**RECEIVED**

**SEP 25 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>FILE CLERK</b>
Signature <i>Jennifer M. Hemery</i>		Date <b>09/22/2008</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.

**DOG M COPY**

**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:  
**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**

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

8. WELL NAME and NUMBER:  
**RBU 21-14E**

2. NAME OF OPERATOR:  
**XTO ENERGY INC.**

9. API NUMBER:  
**4304738589**

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: **2240' FSL & 210' FWL**

COUNTY: **UINTAH**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NWSW 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: <b>9/30/2008</b>	<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>SEPTEMBER '08</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.

Attached is XTO Energy's monthly report for the period of 9/01/2008 thru 9/30/2008.

NAME (PLEASE PRINT) WANETT MCCAULEY      TITLE FILE CLERK  
SIGNATURE *Wanett McCauley*      DATE 10/3/2008

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**RECEIVED**

**OCT 06 2008**

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

**EXECUTIVE SUMMARY REPORT**

9/1/2008 - 9/30/2008  
Report run on 10/1/2008 at 1:29 PM

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**Riverbend Unit 21-14E - Natural Buttes, 14, 10S, 19E, Uintah, Utah, ,  
Roosevelt,**

**AFE: 717115**

Objective: Drill & Complete a Natural Buttes gas well

9/18/2008

MIRU Pete Martin Rat Hole Drilling. Drill 20" Conductor Hole to 40'. Ran  
14" Conductor Pipe Set @ 40'. Cement To Surface w/ 5 yds Redimix Cement.  
Drill And Set Rat And Mouse Hole For Unit 111. Called Micheal Lee w/BLM &  
Carol Daniels w/State Of Utah on 9/16/08 @ 10:35 a.m. for 10:00 A.M.  
9/17/2008 Spud Conductor Date. RDMO.

**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
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
2. NAME OF OPERATOR: XTO ENERGY INC.			8. WELL NAME and NUMBER: RBU 21-14E
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		PHONE NUMBER: (505) 333-3100	9. API NUMBER: 4304738589
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2240' FSL & 210' FWL COUNTY: UINTAH QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 14 10S 19E S STATE: UTAH			10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

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: 10/31/2008	<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>OCTOBER 08</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.

Attached is XTO Energy's monthly report for the period of 10/01/2008 thru 10/31/2008.

**RECEIVED**  
**NOV 10 2008**  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>JENNIFER M. HEMBRY</u>	TITLE <u>FILE CLERK</u>
SIGNATURE	DATE <u>11/5/2008</u>

(This space for State use only)

EXECUTIVE SUMMARY REPORT

10/1/2008 - 10/31/2008  
Report run on 11/4/2008 at 12:51 PM

Riverbend Unit 21-14E - Natural Buttes, 14, 10S, 19E, Uintah, Utah, ,  
Roosevelt,

AFE: 717115

Objective: Drill & Complete a Natural Buttes gas well

- 10/12/2008 Skid Unit 111 Drilling Rig f/RBU 27-14E to RBU 21-14E. RU Rig. Strap BHA. Directional Drilling Rotating & Sliding f/40' to 340'. Drilled 300' for 5 hrs @ 60 ft/hr. Deviation Survey @ 188' 1.5 Degrees 355.79 Azi. Mud 9.7# 40 Vis.
- 10/13/2008 ===== Riverbend Unit 21-14E =====  
Directional Drilling Rotating & Sliding f/340' KB to 1668' KB. Drilled Rotating & Sliding 1328' for 23.50 hrs @ 56.51 ft/hr. Deviation Survey @ 1578' 9.56 Degrees 342.92 Azi. Mud 9.6# 35 Vis. Notified BLM & State Of Utah To Run Surface Casing on 10/13/2008 @ 11:00 P.M.
- 10/14/2008 ===== Riverbend Unit 21-14E =====  
Directional Drilling Rotating & Sliding f/1668' KB to 2255' KB. Surface TD 2255' KB @ 6:00 P.M. 10/13/2008. Drilled Rotating & Sliding 587' for 11.50 hrs @ 51.04 ft/hr. Deviation Survey @ 2195' 8.97 Degrees 337.65 Azi. Mud 9.4# 35 Vis. Circulate. TOOH LD 8" Directional Tools. PU & Run 9 5/8" J-55 36# ST&C Casing to 2225.53' KB. Float Collar @ 2179.29' KB. Circulate. RU Cementing Crew & Start To Cement Surface Casing. Notified BLM & State Of Utah For BOP Test on 10/14/2008 @ 9:00 P.M.
- 10/15/2008 ===== Riverbend Unit 21-14E =====  
Cement Surface Casing w/Lead Cement 250 sks 170 bbls 11.0 # 3.82 Yield 23.0 gal/sk. Tail Cement 240 sks 49 bbls 15.8 # 1.15 Yield 5.0 gal/sk. Top Out 100 sks 20.4 bbls 15.8 # 1.15 Yield 5.0 gal/sk. NDSurface Stack. NU BOP's. Test BOP's 5000 psi High & 250 Low. PU BHA #3 Tally & TIH to 2125' KB. Taged Cement @ 2125' KB. Drill Cement & Float Equipment f/2125' KB to 2233' KB.  
Cement Surface Casing w/Lead Cement 250 sks 170 bbls 11.0 # 3.82 Yield 23.0 gal/sk. Tail Cement 240 sks 49 bbls 15.8 # 1.15 Yield 5.0 gal/sk. Top Out 100 sks 20.4 bbls 15.8 # 1.15 Yield 5.0 gal/sk. NDSurface Stack. NU BOP's. Test BOP's 5000 psi High & 250 Low. PU BHA #3 Tally & TIH to 2125' KB. Taged Cement @ 2125' KB. Drill Cement & Float Equipment f/2125' KB to 2233' KB.
- 10/16/2008 ===== Riverbend Unit 21-14E =====  
Drilling Cement & Float Equipment f/2233' KB to 2255' KB. Directional Drilling Rotating & Sliding f/2255' KB to 3685' KB. Drilled Rotating & Sliding 1430' for 22.50 hrs @ 63.55 ft/hr. Deviation Survey @ 3635' 8.94 Degrees 344.29 Azi. Mud 8.9# 29 Vis.  
Drilling Cement & Float Equipment f/2233' KB to 2255' KB. Directional Drilling Rotating & Sliding f/2255' KB to 3685' KB. Drilled Rotating & Sliding 1430' for 22.50 hrs @ 63.55 ft/hr. Deviation Survey @ 3635' 8.94 Degrees 344.29 Azi. Mud 8.9# 29 Vis.
- 10/17/2008 ===== Riverbend Unit 21-14E =====  
Directional Drilling Rotating & Sliding f/3685' KB to 5166' KB. Drilled Rotating & Sliding 1481' for 23.50 hrs @ 63.02 ft/hr. Deviation Survey @ 5116' 1.75 Degrees 298.67 Azi. Mud 8.6# 26 Vis.  
Directional Drilling Rotating & Sliding f/3685' KB to 5166' KB. Drilled Rotating & Sliding 1481' for 23.50 hrs @ 63.02 ft/hr. Deviation Survey @ 5116' 1.75 Degrees 298.67 Azi. Mud 8.6# 26 Vis.
- 10/18/2008 ===== Riverbend Unit 21-14E =====  
Directional Drilling Rotating & Sliding f/5166' KB to 6477' KB. Drilled Rotating & Sliding 1311' for 23.50 hrs @ 55.78 ft/hr. Deviation Survey @ 6427' 1.25 Degrees 230.54 Azi. Mud 8.6# 28 Vis.

# EXECUTIVE SUMMARY REPORT

10/1/2008 - 10/31/2008  
Report run on 11/4/2008 at 12:51 PM

Directional Drilling Rotating & Sliding f/5166' KB to 6477' KB. Drilled Rotating & Sliding 1311' for 23.50 hrs @ 55.78 ft/hr. Deviation Survey @ 6427' 1.25 Degrees 230.54 Azi. Mud 8.6# 28 Vis.

10/19/2008 ===== Riverbend Unit 21-14E =====  
Drilled f/6477' KB to 6571' KB. Drilled 94' for 2 hrs @ 47.00 ft/hr. Circulate. TOOH LD Directional Tools. Rig Service. PU New Bit & Mud Motor. TIH. Drilled f/6571' KB to 7106' KB. Drilled 535' for 14 hrs @ 38.21 ft/hr. Deviation Survey @ 6521' .94 Degrees 215.54 Azi. Mud 8.6# 28 Vis.

10/20/2008 ===== Riverbend Unit 21-14E =====  
Drilled f/7106' KB to 7800' KB. Drilled 697' for 22.5 hrs @ 30.84 ft/hr. Deviation Survey @ 7681' 1.00 Degrees. Mud 9.1# 32 Vis. Start to Mud Up @ 7414' KB.

10/21/2008 ===== Riverbend Unit 21-14E =====  
DRILL FROM 7800 TO 8069 @ 26.9 FT/HR WOB 22K RPM 40-50 GPM 425  
RIG SERVICE DRILL FROM 8069 TO 8500 @ 31.92 FT/HR WOB 22K RPM 40-50 GPM 425  
LAST SURVEY 1 DEGREE @ 7681 VIS 36 WT 9.4

10/22/2008 ===== Riverbend Unit 21-14E =====  
DRILL FROM 8500 TO 8814 @ 28.5 FT/HR WOB 25K RPM 40-50 GPM 425  
CIRCULATE & CONDITION HOLE FOR LOGS TOH FOR LOGS S/M & R/U  
LOGGERS WAIT ON LOGGERS LOGGING  
TOTAL DEPTH DRILLED 8814 LAST SURVEY 2 DEGREE @ 8736 VIS 40 WT 9.4

10/23/2008 ===== Riverbend Unit 21-14E =====  
OPEN HOLE LOGGING, R/D LOGGERS TIH TO L/D DRILLSTRING CIRCULATE & CONDITION HOLE FOR CASING. PUMP HIGH VIS SWEEP. R/U LAYDOWN MACHINE  
L/D DRILLSTRING, BREAK KELLY PULL WEAR BUSHING S/M & R/U CASERS  
LOGS TO 8808 10 FT OF FILL ON TIH LAST SURVEY 2 DEGREE @ 8736  
VIS 40 WT 9.7

10/24/2008 ===== Riverbend Unit 21-14E =====  
RUN CASING R/D CASERS, R/U CEMENTERS CEMENT PRODUCTION STRING  
NIPPLE DOWN BOPE CLEAN PITS, TRANSFER MUD TO UPRIGHT  
CEMENT AS FOLLOWS: 20 BBLs H2O, 20 BBL MUD FLUSH, 20 BBLs H2O, 153 BBLs LEAD CEMENT (225sx - 11.0lb - 3.82 YIELD - 23GAL/SK), 226.1 BBLs TAIL CEMENT (690sx - 12.7lb - 1.84 YIELD - 9.9GAL/SK), 192.2 BBLs DISPLACEMENT  
FULL RETURNS DURING CEMENT JOB RIG RELEASED @02:00

10/29/2008 ===== Riverbend Unit 21-14E =====  
MIRU CHS WLU. RIH w/ 4.65"OD GR & tgd @ 8,689' FS. POH w/ t/s. RIH w/ GR/CCL/CBL logging t/s. Tgd @ 8,689' FS. Run CBL under 750 psig fr/ 8,689'-1,050' FS. Log indic TOC @ 1200'. PT csg. to 2500 psig for 30" & 5000 psig for 10". Tst gd. POH & LD logging t/s. RDMO WL. SWI & SDFN. Rpts suspd until further activity.

**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: <b>U-013792</b>
		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 21-14E</b>
2. NAME OF OPERATOR: <b>XTO ENERGY INC.</b>		9. API NUMBER: <b>4304738589</b>
3. ADDRESS OF OPERATOR: <b>382 CR 3100</b> CITY <b>AZTEC</b> STATE <b>NM</b> ZIP <b>87410</b>		10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>2240' FSL &amp; 210' FWL</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWSW 14 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: <b>11/30/2008</b>	<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>DECEMBER 08</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.

Attached is XTO Energy's monthly report for the period of 11/01/2008 thru 11/30/2008.

NAME (PLEASE PRINT) <u>JENNIFER M. HEMBRY</u>	TITLE <u>REGULATORY CLERK</u>
SIGNATURE <u>Jennifer M. Hembry</u>	DATE <u>12/5/2008</u>

(This space for State use only)

**RECEIVED**

**DEC 09 2008**

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

EXECUTIVE SUMMARY REPORT

11/1/2008 - 11/30/2008  
Report run on 12/3/2008 at 5:05 PM

Riverbend Unit 21-14E - Natural Buttes, 14, 10S, 19E, Uintah, Utah, ,  
Roosevelt,

AFE: 717115

Objective: Drill & Complete a Natural Buttes gas well

11/15/2008 SICIP 0 psig. MIRU Casedhole Solutions WLU. Held safety mtg. RIH perf stg #1 w/3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs, fr/8,493' - 8,502', 8,507' - 8,510', 8,514' - 8,521', 8,546' - 8,548', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 46 holes). POH & LD perf guns. SWI & SDFN.

=====  
11/17/2008 SICIP 0 psig. MIRU HES and CHS WLU. Held safety mtg & PT all surface lines to 7,500 psig, held gd. W/stg #1 already perf'd w/3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs, fr/8,493' - 8,502', 8,507' - 8,510', 8,514' - 8,521', 8,546' - 8,548', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 46 holes). BD MV stg #1 perfs w/2% KCL wtr and EIR. A. MV perfs f/8,493' - 8,548' w/1,350gals of 7-1/2% NEFE HCL acid and 69 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 2,955 psig, surge balls off perfs, wait 5". Frac'd MV stg #1 perfs fr/8,493' - 8,548', dwn 5-1/2" csg w/41,563 gallons wtr, 55Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 88,100# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 3 ppg, ISIP 3,750 psig, 5" SIP 3,480 psig, used 876,000 mscf of N2, ATP 4,294 psig, 999 BLWTR. RIH & set 8K CBP @ 8,470'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf MV stage #2 intv fr/8,406' - 8,417', & 8,420' - 8,430', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 44 holes). POH & LD perf guns. Spearhead 1,000 gals 7-1/5" HCL and frac'd MV stg #2 perfs fr/8,406' - 8,430', dwn 5-1/2" csg w/27,592 gallons wtr, 55Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 55,400# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 3 ppg, ISIP 3,810 psig, 5" SIP 3,353 psig, used 685,000 mscf of N2, ATP 4,914 psig, 657 BLWTR. RIH & set 8K CBP @ 8,395'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf MV stage #3 intv fr/8,344' - 8,355', & 8,360' - 8,370', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 44 holes). POH & LD perf guns. SWI & SDFN.

=====  
11/18/2008 Spearhead 1,000 gals 7.5% HCL and frac'd MV stg #3 perfs fr/8,344' - 8,370', dwn 5-1/2" csg w/26,845 gallons wtr, 55Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 56,200# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 3 ppg, ISIP 3,970 psig, 5" SIP 3,778 psig, used 650,000 mscf of N2, ATP 5,142 psig, 639 BLWTR. RIH & set 6K CBP @ 8,100'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf CW stage #4 intv fr/7,740' - 7,749', 7,829' - 7,834', 7,947' - 7,954', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 45 holes). POH & LD perf guns. BD MV/UB stg #4 perfs w/2% KCL wtr and EIR. A. MV/UB perfs f/7,740' - 7,954' w/1,350gals of 7-1/2% NEFE HCL acid and 68 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 2,584 psig, surge balls off perfs, wait 5". Frac'd MV/UB stg #4 perfs fr/7,740' - 7,954', dwn 5-1/2" csg w/29,613 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 68,800# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 3 ppg, ISIP 3,625 psig, 5" SIP 3,400 psig, used 918,000 mscf of N2, ATP 4,847 psig, 705 BLWTR. RIH & set 6K CBP @ 7,500'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf UB stage #5 intv fr/7,074' - 7,080', & 7,376' - 7,381', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 24 holes). POH & LD perf guns. BD CW stg #5 perfs w/2% KCL wtr and EIR. A. UB perfs f/7,074' - 7,381' w/750gals of 7-1/2% NEFE HCL acid and 36 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 2,390 psig, surge balls off perfs, wait 5". Frac'd CW stg #5 perfs fr/7,074' - 7,381', dwn 5-1/2" csg w/27,465 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 43,200# Premium White 20/40

EXECUTIVE SUMMARY REPORT

11/1/2008 - 11/30/2008  
Report run on 12/3/2008 at 5:05 PM

sd, coated w/ Expedite Lite. Max sd conc 4 ppg, ISIP 2,755 psig, 5" SIP 2,660 psig, used 553,000 mscf of N2, ATP 3,944 psig, 654 BLWTR. RIH & set 6K CBP @ 6,680'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf CW stage #6 intv fr/6,518' - 6,525', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 15 holes). POH & LD perf guns. Frac'd CW stg #6 perfs fr/6,518' - 6,525', dwn 5-1/2" csg w/10,939 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 15,586# Premium White 20/40 sd, coated w/ Expedite Lite. Max sd conc 4 ppg, ISIP 2,085 psig, 5" SIP 1,980 psig, used 175,000 mscf of N2, ATP 3,678 psig, 260 BLWTR. RIH & set 6K CBP @ 6,100'. SWI & SDFN. 3,914 BLWTR ttl. Rpts suspd until further activity.

=====  
Riverbend Unit 21-14E  
=====

11/20/2008 SICIP 600 psig. MIRU Temples WS #2. BD well. ND frac vlv. NU BOP. PU & TIH w/4-3/4" rock tooth, safety sub, BRS, 2 3/8" SN & 184 jts 2-3/8", L-80, 4.7#, EUE 8rd tbg. EOT @ 6,084'. RU pwr swivel. SWI & SDFN. 3,914 BLWTR ttl.

=====  
Riverbend Unit 21-14E  
=====

11/21/2008 SITP 0 psig, SICIP 0 psig. Cont to TIH w/4-3/4" rock tooth bit, SS, BRS, SN, & 2-3/8" tbg. DO 5-1/2" CBP's @ 6,100', 6,680' (CO 33' sd abv plg), 7,500' (CO 30' sd abv plg), 8,100' (CO 40' sd abv plg), 8,395' (CO 65' sd abv plg), & 8,470' (CO 20' sd abv plg). TIH CO 114' sd to PBTD @ 8,716'. Circ well cln, LD 11 jts of tbg, Ld 253 jts 2-3/8", 4.7#, L-80, 8rd tbg on hgr w/EOT @ 8,387', & SN 8,385'. RU swb tls. RIH w/ XTO's 1.90" tbg broach to SN @ 8,385' (no ti spts). POH & LD broach. ND BOP. NU WH. Ppd off bit & 1/2 of BRS @ 2,000 psig. SWI & SDFN. Ttl fl ppd 260 bbls, Ttl fl rec 640 bbls, 3,534 BLWTR ttl. RDMO rig and equip.

=====  
Riverbend Unit 21-14E  
=====

11/22/2008 Opn well @ 07:00. FTP 1,600 psig, SICIP 1,950 psig. F. 0 BO, 335 BLW, 10 hrs, FTP 1,600 - 1,000 psig, SICIP 1,950 - 1,700 psig, 24/64" ck. Rets of tr sd, gas, wtr. 3,534 BLWTR ttl. CW/UB/MV perfs f/6,518' - 8,584'.

=====  
Riverbend Unit 21-14E  
=====

11/23/2008 FTP 900 psig, SICIP 1,700 psig. F. 0 BO, 366 BLW, 24 hrs, FTP 900 - 500 psig, SICIP 1,700 - 750 psig, 24/64" ck. Rets of tr sd, gas, wtr. 3,168 BLWTR ttl. CW/UB/MV perfs f/6,518' - 8,584'.

=====  
Riverbend Unit 21-14E  
=====

11/24/2008 FTP 450 psig, SICIP 750 psig. F. 0 BO, 68 BLW, 17 hrs, FTP 450 - 450 psig, SICIP 750 - 700 psig, 24/64" ck. Rets of tr sd, gas, wtr. 2,964 BLWTR ttl. CW/UB/MV perfs f/6,518' - 8,584'. SWI @ 11:00.

=====  
Riverbend Unit 21-14E  
=====

11/24/2008 FTP 500 psig, SICIP 750 psig. F. 0 BO, 136 BLW, 24 hrs, FTP 500 - 500 psig, SICIP 750 - 750 psig, 24/64" ck. Rets of tr sd, gas, wtr. 3,032 BLWTR ttl. CW/UB/MV perfs f/6,518' - 8,584'.

=====  
Riverbend Unit 21-14E  
=====

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**

*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>SHL: 2240' FSL &amp; 210' FWL NWSW SEC 14-T10S-R19E SLB&amp;M</b> <b>BHL: 2500' FNL &amp; 50' FWL SWNW SEC 14-T10S-R19E</b>		8. Well Name and No. <b>RBU #21-14E</b>
		9. API Well No. <b>43-047-38589</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 checked="" 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 checked="" type="checkbox"/> Other <b>1ST DELIVERY</b>

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 @ 1200 hours on Tuesday, 1/13/2009.

IFR 600 MCFPD.

XTO Allocation Meter #RS1560RF.

RECEIVED

JAN 14 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>01/14/2009</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

<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 21-14E	
2. NAME OF OPERATOR: XTO ENERGY INC.		9. API NUMBER: 4304738589
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: 2240' FSL x 210' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 14 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: 1/31/2009	<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: <u>January 08</u> <div style="text-align: right;"><b>MONTHLY REPORT</b></div>

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**

**EXECUTIVE SUMMARY REPORT**

1/1/2009 - 1/31/2009  
Report run on 2/4/2009 at 4:09 PM

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**Riverbend Unit 21-14E**

Section 14-10S-19E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well

Date First Report: 9/17/2008

Method of Production: Flowing

1/13/2009

The Riverbend Unit 21-14E was delivered to Questar Gas Management through the Tap 2 CDP on Tuesday, January 13, 2009 @ 12:00 Noon. IFR 600 MCFPD. Tbg was 1000 psig. Csg was 1500 psig. 10/64" choke.

This well is in Uintah County, Utah

This well is on Route 202

This is a WA/MV well

Acctg # 165659

AFE # 717115

XTO Allocation Meter # RS1560RF

Group 10

Address 77

Tap 2 CDP # 287505

Tank # E1248.

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  
**XTO Energy, Inc.**

3a. Address  
**978 North Crescent Road, Roosevelt, UT. 84066**

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**2240' FSL & 210' FWL, NW/SW, SEC 14, 10S, 19E**

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.  
**891016035A**

8. Well Name and No.  
**RBU 21-14E**

9. API Well No.  
**43-047-38589**

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 type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input checked="" 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
			<b>Interm Reclamation</b>

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.)

Reserve pit reclaimed & reseeded on 1/23/2009

**RECEIVED**

**MAY 26 2009**

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

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

Name (Printed/Typed) **Heather Meek** Title **Regulatory Compliance Technician**

Signature \_\_\_\_\_ Date \_\_\_\_\_

**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.

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

XTO Energy, Inc.

3a. Address

978 North Crescent Road, Roosevelt, UT. 84066

3b. Phone No. (include area code)

435-722-4521

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2240' FSL & 210' FWL, NW/SW, SEC 14, 10S, 19E

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.

891016035A

8. Well Name and No.

RBW 21-14E

9. API Well No.

43-047-38589

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 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"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input checked="" 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 type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>Interim Reclamation</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 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 site is ready for final inspection.)

Reserve pit reclaimed & reseeded on 1/23/2009

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

Name (Printed Typed) Heather Meek Title Regulatory Compliance Technician

Signature Heather Meek Date 5/26/2009

**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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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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 **2240' FSL & 210' FWL** *per HSM review*  
 At top prod. interval reported below  
**2241 fsl 210 fwl**  
 At total depth **2538' FSL & 6' FEL Sec 15-T10S-R19E**

**RECEIVED**  
**MAR 16 2009**  
DIV. OF OIL, GAS & MINING

5. Lease Serial No.  
**U-013792**  
 6. If Indian, Allottee or Tribe Name  
**N/A**  
 7. Unit or CA Agreement Name and No.  
**RIVERBEND UNIT**  
 8. Lease Name and Well No.  
**RBU 21-14E**  
 9. API Well No.  
**43-047-38589**  
 10. Field and Pool, or Exploratory  
**NATURAL BUTTES - WASATCH-MV**  
 11. Sec., T., R., M., or Block and Survey or Area  
**NWSW SEC 14-T10S-R19E**  
 12. County or Parish **UINTAH** 13. State **UTAH**

14. Date Spudded **9/17/2008** 15. Date T.D. Reached **10/22/2008** 16. Date Completed  D & A  Ready to Prod. **1/13/2009**

17. Elevations (DF, RKB, RT, GL)\*  
**5155' GL**

18. Total Depth: MD **8814'** TVD **8769'** 19. Plug Back T.D.: MD **8716'** TVD **8671'** 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL; DL/CZ-D/CNL/GR/CL; CZ-D/CNL/GR/CL; DL/GR/CL; DS**  
 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14/A252A	36.75#	0	56.5		125/Redimix		SURF	
12-1/4"	9.6/J-55	17#	0	2225.5		590/Prem		SURF	
7-7/8"	5.5/S-80	17#	0	8765		225/Type V		1200'	
"	"	"	"	"		690/Prem Lt		"	

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"	8387'							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH-MV	6518'	8548'	6518' - 8548'	0.36"	218	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6518' - 8548'	A. w/5,450 gals of 7-1/2% NEEF HCL acid. Frac'd w/164,017 gals wtr, 55Q & 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 327,286# Premium White 20/40 sd, coated w/Expedite Lite.

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
1/13/2009	1/15/2009	24	→	5	397	9			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 2100	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
10/64"	1920	2100	→	5	397	9		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	
			→						

**DOGM COPY**

(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

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	1328
				MAHOGENY BENCH	2113
				WASATCH TONGUE	4272
				UTELAND LIMESTONE	4639
				WASATCH	4804
				CHAPITA WELLS	5631
				UTELAND BUTTE	7002
				MESAVERDE	7840

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 3/11/2009

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.



**Weatherford<sup>®</sup>**

## **Drilling Services**

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## **Completion**

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XTO ENERGY  
RBU 27-14E & 21-14E PAD  
RBU 21-14E  
UINTAH COUNTY, UTAH

---

Prepared by: Bret Wolford  
Submitted: October 20, 2008

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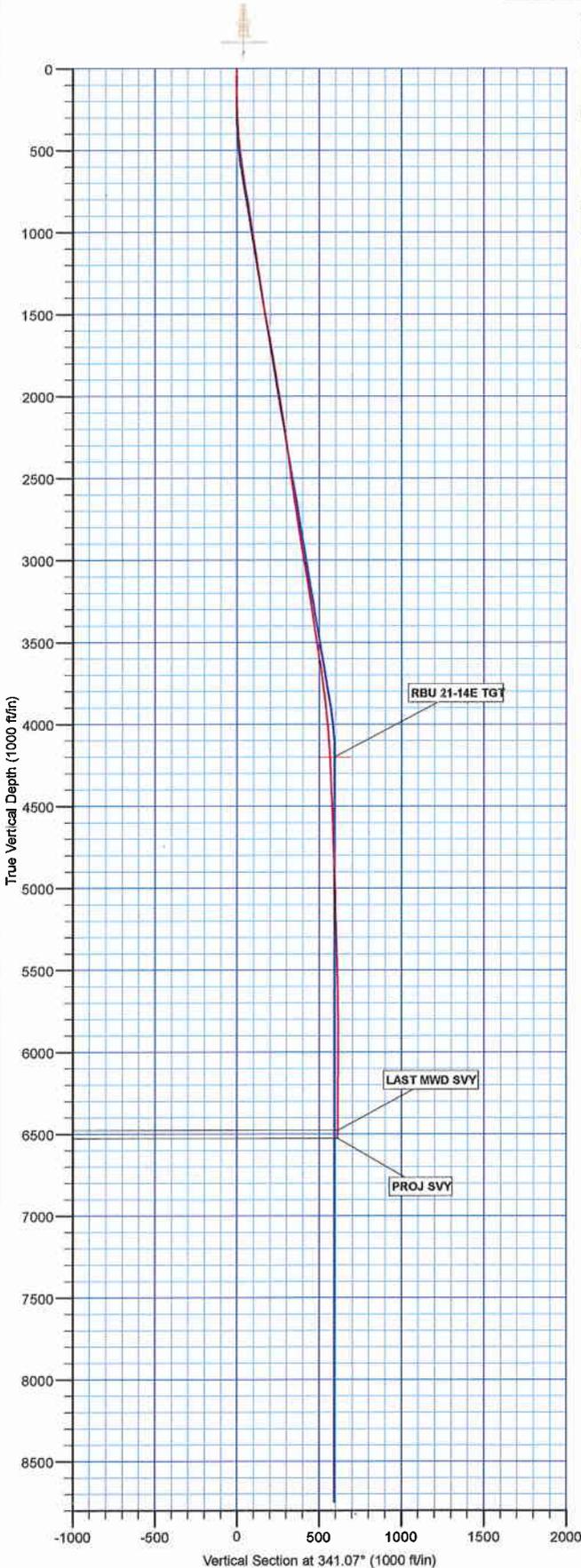
**Weatherford International Ltd.**  
2000 Oil Drive  
Casper, Wyoming 82604  
+1.307.265.1413 Main  
+1.307.235.3958 Fax  
[www.weatherford.com](http://www.weatherford.com)



Project: UINTAH COUNTY, UT  
 Site: RBU 21-14E & 27-14E PAD  
 Well: RBU 21-14E  
 Wellbore: Wellbore #1  
 Design: Wellbore #1  
 Latitude: 39° 56' 46.759 N  
 Longitude: 109° 45' 30.330 W  
 Ground Level: 5155.00  
 WELL @ 5169.00ft (UNIT 111)  
 S.A.P.#



**Weatherford®**



WELL DETAILS: RBU 21-14E						
+N/-S	+E/-W	Northing	Ground Level:	5155.00	Latitude	Slot
0.00	0.00	7153924.83	Easting	2128644.05	39° 56' 46.759 N	109° 45' 30.330 W

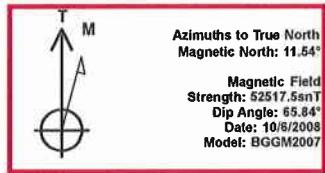
WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
RBU 21-14E TGT	4200.00	565.79	-183.68	39° 56' 52.351 N	109° 45' 32.689 W	Circle (Radius: 30.00)

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	KOP / Start Build 3.00
614.02	9.42	342.01	812.61	24.50	-7.95	3.00	342.01	25.76	Start 3319.68 hold at 614.01 MD
3933.68	9.42	342.01	3887.39	641.29	-176.73	0.00	0.00	589.10	Start Drop -3.00
4247.59	0.00	0.00	4200.00	565.79	-183.68	3.00	180.00	594.86	Start 4550.00 hold at 4247.59 MD
8797.59	0.00	0.00	8750.00	565.79	-183.68	0.00	0.00	594.86	TD at 8797.59

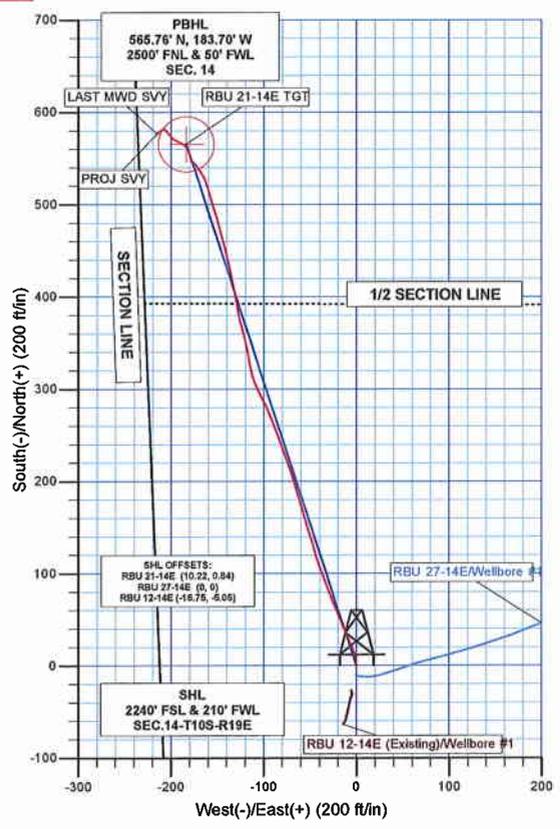
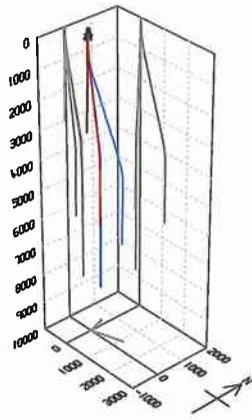
Survey: Survey #1 (RBU 21-14E/Wellbore #1)								
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
6571.00	0.94	215.54	6527.43	576.15	-215.44	0.00	0.00	614.88

CASING DETAILS			
TVD	MD	Name	Size
2200.00	2223.11	9 5/8"	9-5/8
8750.00	8797.59	5 1/2"	5-1/2

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4235.00	4282.59	WASATCH TONGUE
4605.00	4652.59	UTELAND LIMESTONE
4765.00	4812.59	WASATCH
5695.00	5742.59	CHAPITA WELLS
6945.00	6992.59	UTELAND BUTTES
7845.00	7892.59	MESAVERDE



LEGEND	
—	RBU 27-14E, Wellbore #1, Wellbore #1 V0
—	RBU 21-14E, Wellbore #1, Design #1 V0
—	RBU 12-14E (Existing), Wellbore #1, Wellbore #1 V0
—	Survey #1



Survey: Survey #1 (RBU 21-14E/Wellbore #1)		
Created By:	BRET WOLFORD	Date: 8:54, October 20 2008



**XTO ENERGY**  
UINTAH COUNTY, UT  
RBU 21-14E & 27-14E PAD  
RBU 21-14E

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**20 October, 2008**



**Weatherford®**



**Weatherford International Ltd.**  
Survey Report



**Company:** XTO ENERGY  
**Project:** UINTAH COUNTY, UT  
**Site:** RBU 21-14E & 27-14E PAD  
**Well:** RBU 21-14E  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well RBU 21-14E  
**TVD Reference:** WELL @ 5169.00ft (UNIT 111)  
**MD Reference:** WELL @ 5169.00ft (UNIT 111)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

<b>Project</b>	UINTAH COUNTY, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

**Site** RBU 21-14E & 27-14E PAD

<b>Site Position:</b>		<b>Northing:</b>	7,153,914.60 ft	<b>Latitude:</b>	39° 56' 46.658 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,128,643.41 ft	<b>Longitude:</b>	109° 45' 30.341 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	1.12 °

**Well** RBU 21-14E

<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,153,924.83 ft	<b>Latitude:</b>	39° 56' 46.759 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,128,644.05 ft	<b>Longitude:</b>	109° 45' 30.330 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,155.00 ft

**Wellbore** Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	10/6/2008	11.54	65.84	52,517

**Design** Wellbore #1

**Audit Notes:**

<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	341.07	

**Survey Program** Date 10/20/2008

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
95.00	6,571.00	Survey #1 (Wellbore #1)	MWD	MWD - Standard

**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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.00	0.06	205.42	95.00	-0.04	-0.02	-0.04	0.06	0.06	0.00
188.00	1.50	355.79	187.99	1.13	-0.13	1.11	1.67	1.55	161.69
281.00	1.94	359.67	280.95	3.91	-0.23	3.78	0.49	0.47	4.17
372.00	3.75	347.17	371.83	8.36	-0.90	8.20	2.09	1.99	-13.74
463.00	6.56	337.79	462.46	16.07	-3.53	16.35	3.21	3.09	-10.31
555.00	7.65	338.02	553.75	26.62	-7.80	27.71	1.19	1.18	0.25
648.00	8.44	337.54	645.83	38.66	-12.73	40.70	0.85	0.85	-0.52
740.00	9.31	337.67	736.73	51.79	-18.14	54.87	0.95	0.95	0.14
832.00	9.88	336.54	827.44	65.91	-24.11	70.17	0.65	0.62	-1.23
926.00	8.69	340.29	920.21	79.99	-29.71	85.31	1.42	-1.27	3.99
1,020.00	8.63	339.42	1,013.14	93.28	-34.59	99.46	0.15	-0.06	-0.93
1,113.00	8.69	338.17	1,105.08	106.34	-39.65	113.45	0.21	0.06	-1.34



# Weatherford International Ltd.

## Survey Report



**Company:** XTO ENERGY  
**Project:** UINTAH COUNTY, UT  
**Site:** RBU 21-14E & 27-14E PAD  
**Well:** RBU 21-14E  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well RBU 21-14E  
**TVD Reference:** WELL @ 5169.00ft (UNIT 111)  
**MD Reference:** WELL @ 5169.00ft (UNIT 111)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

### 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)
1,204.00	8.19	345.04	1,195.10	118.98	-43.88	126.78	1.24	-0.55	7.55
1,296.00	8.44	344.29	1,286.13	131.81	-47.40	140.06	0.30	0.27	-0.82
1,388.00	9.25	343.17	1,377.03	145.39	-51.37	154.19	0.90	0.88	-1.22
1,482.00	10.13	344.17	1,469.69	160.57	-55.81	169.99	0.95	0.94	1.06
1,578.00	9.56	342.92	1,564.28	176.31	-60.46	186.39	0.63	-0.59	-1.30
1,670.00	10.13	343.67	1,654.92	191.38	-64.97	202.11	0.64	0.62	0.82
1,763.00	10.00	342.04	1,746.49	206.91	-69.76	218.35	0.34	-0.14	-1.75
1,856.00	9.44	338.92	1,838.16	221.71	-75.00	234.05	0.83	-0.60	-3.35
1,948.00	9.25	342.49	1,928.94	235.80	-79.94	248.98	0.66	-0.21	3.88
2,041.00	8.94	340.29	2,020.77	249.73	-84.62	263.68	0.50	-0.33	-2.37
2,195.00	8.97	337.65	2,172.89	272.10	-93.22	287.63	0.27	0.02	-1.71
2,338.00	8.19	331.67	2,314.29	291.38	-102.30	308.80	0.83	-0.55	-4.18
2,431.00	7.81	334.79	2,406.39	302.92	-108.13	321.62	0.62	-0.41	3.35
2,524.00	7.94	345.29	2,498.52	314.86	-112.45	334.31	1.55	0.14	11.29
2,617.00	8.00	349.67	2,590.62	327.43	-115.24	347.11	0.66	0.06	4.71
2,709.00	9.31	350.17	2,681.57	341.07	-117.66	360.79	1.43	1.42	0.54
2,800.00	8.56	346.54	2,771.46	354.91	-120.50	374.80	1.03	-0.82	-3.99
2,894.00	8.38	342.54	2,864.44	368.24	-124.18	388.61	0.66	-0.19	-4.26
2,986.00	9.94	350.29	2,955.27	382.47	-127.53	403.15	2.16	1.70	8.42
3,078.00	9.50	350.17	3,045.95	397.77	-130.17	418.49	0.48	-0.48	-0.13
3,170.00	8.94	349.04	3,136.76	412.27	-132.82	433.06	0.64	-0.61	-1.23
3,263.00	8.56	346.67	3,228.67	426.10	-135.79	447.11	0.56	-0.41	-2.55
3,356.00	8.94	347.29	3,320.59	439.89	-138.98	461.18	0.42	0.41	0.67
3,450.00	8.44	347.29	3,413.51	453.74	-142.10	475.30	0.53	-0.53	0.00
3,543.00	9.31	344.29	3,505.40	467.64	-145.64	489.60	1.06	0.94	-3.23
3,635.00	8.94	344.29	3,596.23	481.68	-149.59	504.16	0.40	-0.40	0.00
3,728.00	7.38	341.92	3,688.29	494.32	-153.40	517.35	1.72	-1.68	-2.55
3,823.00	7.88	345.92	3,782.45	506.44	-156.88	529.94	0.77	0.53	4.21
3,916.00	6.31	341.17	3,874.74	517.46	-160.08	541.40	1.80	-1.69	-5.11
4,007.00	5.69	339.42	3,965.24	526.41	-163.28	550.91	0.71	-0.68	-1.92
4,100.00	4.63	328.29	4,057.86	533.92	-166.87	559.18	1.56	-1.14	-11.97
4,195.00	3.50	325.67	4,152.62	539.58	-170.52	565.72	1.21	-1.19	-2.76
4,286.00	2.56	312.79	4,243.49	543.26	-173.58	570.19	1.27	-1.03	-14.15
4,377.00	3.00	319.42	4,334.39	546.44	-176.62	574.19	0.60	0.48	7.29
4,470.00	2.94	342.54	4,427.26	550.57	-178.92	578.84	1.28	-0.06	24.86
4,563.00	2.13	341.92	4,520.17	554.49	-180.17	582.95	0.87	-0.87	-0.67
4,656.00	1.88	342.29	4,613.12	557.58	-181.17	586.20	0.27	-0.27	0.40
4,747.00	2.25	337.17	4,704.06	560.65	-182.32	589.48	0.45	0.41	-5.63
4,841.00	2.31	313.54	4,797.98	563.66	-184.41	593.00	0.99	0.06	-25.14
4,932.00	2.38	297.79	4,888.91	565.80	-187.41	596.00	0.71	0.08	-17.31
5,024.00	2.19	299.04	4,980.84	567.54	-190.64	598.69	0.21	-0.21	1.36
5,116.00	1.75	298.67	5,072.78	569.07	-193.41	601.04	0.48	-0.48	-0.40
5,209.00	1.69	284.79	5,165.74	570.10	-195.98	602.85	0.45	-0.06	-14.92
5,303.00	2.25	321.67	5,259.69	571.90	-198.46	605.36	1.44	0.60	39.23
5,396.00	1.75	326.17	5,352.63	574.52	-200.39	608.45	0.56	-0.54	4.84
5,677.00	1.25	310.92	5,633.53	580.09	-205.09	615.25	0.23	-0.18	-5.43
5,960.00	0.38	251.92	5,916.51	581.82	-208.32	617.93	0.39	-0.31	-20.85
6,427.00	1.25	230.54	6,383.46	578.10	-213.72	616.17	0.19	0.19	-4.58
<b>LAST MWD SVY</b>									
6,521.00	0.94	215.54	6,477.44	576.82	-214.96	615.36	0.45	-0.33	-15.96
<b>PROJ SVY</b>									
6,571.00	0.94	215.54	6,527.43	576.15	-215.44	614.88	0.00	0.00	0.00



**Weatherford International Ltd.**  
Survey Report



**Company:** XTO ENERGY  
**Project:** UINTAH COUNTY, UT  
**Site:** RBU 21-14E & 27-14E PAD  
**Well:** RBU 21-14E  
**Wellbore:** Wellbore #1  
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**Local Co-ordinate Reference:** Well RBU 21-14E  
**TVD Reference:** WELL @ 5169.00ft (UNIT 111)  
**MD Reference:** WELL @ 5169.00ft (UNIT 111)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

**Survey Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,521.00	6,477.44	576.82	-214.96	LAST MWD SVY
6,571.00	6,527.43	576.15	-215.44	PROJ SVY

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



# Weatherford®

**Weatherford International, Ltd**

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Casper, Wyoming 82604 USA

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## **Contact Information**

**District Manager: Pat Rasmussen**

+1.307.268-7900 Casper, Wyoming

Email: [pat.rasmussen@weatherford.com](mailto:pat.rasmussen@weatherford.com)

**Directional Drilling Coordinator: Larren Holdren**

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**MWD Coordinators:**

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**Adam Rinker**

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**Matthew Heaton**

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**Directional Drilling Sales Casper: Dean Reed**

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**Well Planning Casper Office:**

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**Tracy Williams**

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**Bret Wolford**

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**Well Planning Denver Office:**

+1.303.825.6558 Denver, Colorado

**Robert Scott**

Email: [robert.scott@weatherford.com](mailto:robert.scott@weatherford.com)

*Revised Copy*

**DOG M COPY**

**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 **2240' FSL & 210' FWL**  
 At top prod. interval reported below  
 At total depth **5 2538' FNL & 31 9' FEL Sec 15-T10S-R19E reviewed by HSM**

14. Date Spudded **9/17/2008** 15. Date T.D. Reached **10/22/2008** 16. Date Completed  D & A  Ready to Prod. **1/13/2009**

18. Total Depth: MD **8814'** TVD **8769'** 19. Plug Back T.D.: MD **8716'** TVD **8671'** 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL; DL/CZ-D/CNL/GR/CL; CZ-D/CNL/GR/CL; DL/GR/CL; DS**

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 Cemen-ter Depth	No.of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14/A252A	36.75#	0	56.5		125/Redimix		SURF	
12-1/4"	9.6/J-55	17#	0	2225.5		590/Prem		SURF	
7-7/8"	5.5/S-80	17#	0	8765		225/Type V		1200'	
"	"	"	"	"		690/Prem Lt		"	

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"	8387'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <b>WASATCH-MV</b>	<b>6518'</b>	<b>8548'</b>	<b>6518' - 8548'</b>	<b>0.36"</b>	<b>218</b>	<b>OPEN</b>
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
<b>6518' - 8548'</b>	<b>A. w/5,450 gals of 7-1/2% NEFE HCL acid. Frac'd w/164,017 gals wtr, 55Q &amp; 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 327,286# Premium White 20/40 sd, coated w/Expedite Lite.</b>

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
<b>1/13/2009</b>	<b>1/15/2009</b>	<b>24</b>	<b>→</b>	<b>5</b>	<b>397</b>	<b>9</b>			<b>FLOWING</b>
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
<b>10/64"</b>	<b>1920</b>	<b>2100</b>	<b>→</b>	<b>5</b>	<b>397</b>	<b>9</b>		<b>PRODUCING</b>	

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
			<b>→</b>						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<b>→</b>						

**RECEIVED  
SEP 17 2009**

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

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(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

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	1328
				MAHOGENY BENCH	2113
				WASATCH TONGUE	4272
				UTELAND LIMESTONE	4639
				WASATCH	4804
				CHAPITA WELLS	5631
				UTELAND BUTTE	7002
				MESAVERDE	7840

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 9/15/2009

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.

*Revised Copy*

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. <b>U-013792</b>
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other		6. If Indian, Allottee or Tribe Name <b>N/A</b>
2. Name of Operator <b>XTO Energy Inc.</b>		7. Unit or CA Agreement Name and No. <b>RIVERBEND UNIT</b>
3. Address <b>382 CR 3100 Aztec, NM 87410</b>		8. Lease Name and Well No. <b>RBU 21-14E</b>
3a. Phone No. (include area code) <b>505-333-3100</b>		9. API Well No. <b>43-047-38589</b>
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface <b>2240' FSL &amp; 210' FWL</b> At top prod. interval reported below At total depth <b>2538' FNL &amp; 9' FEL Sec 15-T10S-R19E</b>		10. Field and Pool, or Exploratory <b>NATURAL BUTTES - WASATCH-MV</b>
14. Date Spudded <b>9/17/2008</b>		11. Sec., T., R., M., or Block and Survey or Area <b>NWSW SEC 14-T10S-R19E</b>
15. Date T.D. Reached <b>10/22/2008</b>		12. County or Parish <b>UINTAH</b>
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <b>1/13/2009</b>		13. State <b>UTAH</b>
18. Total Depth: MD TVD <b>8814'</b> <b>8769'</b>		17. Elevations (DF, RKB, RT, GL)* <b>5155' GL</b>
19. Plug Back T.D.: MD TVD <b>8716'</b> <b>8671'</b>		20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>CBL; DL/CZ-D/CNL/GR/CL; CZ-D/CNL/GR/CL; DL/GR/CL; DS</b>		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)

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

Hole Size	Size/Grade	Wt. (#R.)	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	56.5		125/Redimix		SURF	
12-1/4"	9.6/J-55	17#	0	2225.5		590/Prem		SURF	
7-7/8"	5.5/S-80	17#	0	8765		225/Type V		1200'	
"	"	"	"	"		690/Prem Lt		"	

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"	8387'							

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status	
A) WASATCH-MV	6518'	8548'	6518' - 8548'	0.36"	218	OPEN	
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
6518' - 8548'	A. w/5,450 gals of 7-1/2% NEFE HCL acid. Frac'd w/164,017 gals wtr, 55Q & 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 327,286# Premium White 20/40 sd, coated w/Expedite Lite.

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
1/13/2009	1/15/2009	24	→	5	397	9			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
10/64"	1920	2100	→	5	397	9		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

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	1328
				MAHOGENY BENCH	2113
				WASATCH TONGUE	4272
				UTELAND LIMESTONE	4639
				WASATCH	4804
				CHAPITA WELLS	5631
				UTELAND BUTTE	7002
				MESAVERDE	7840

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

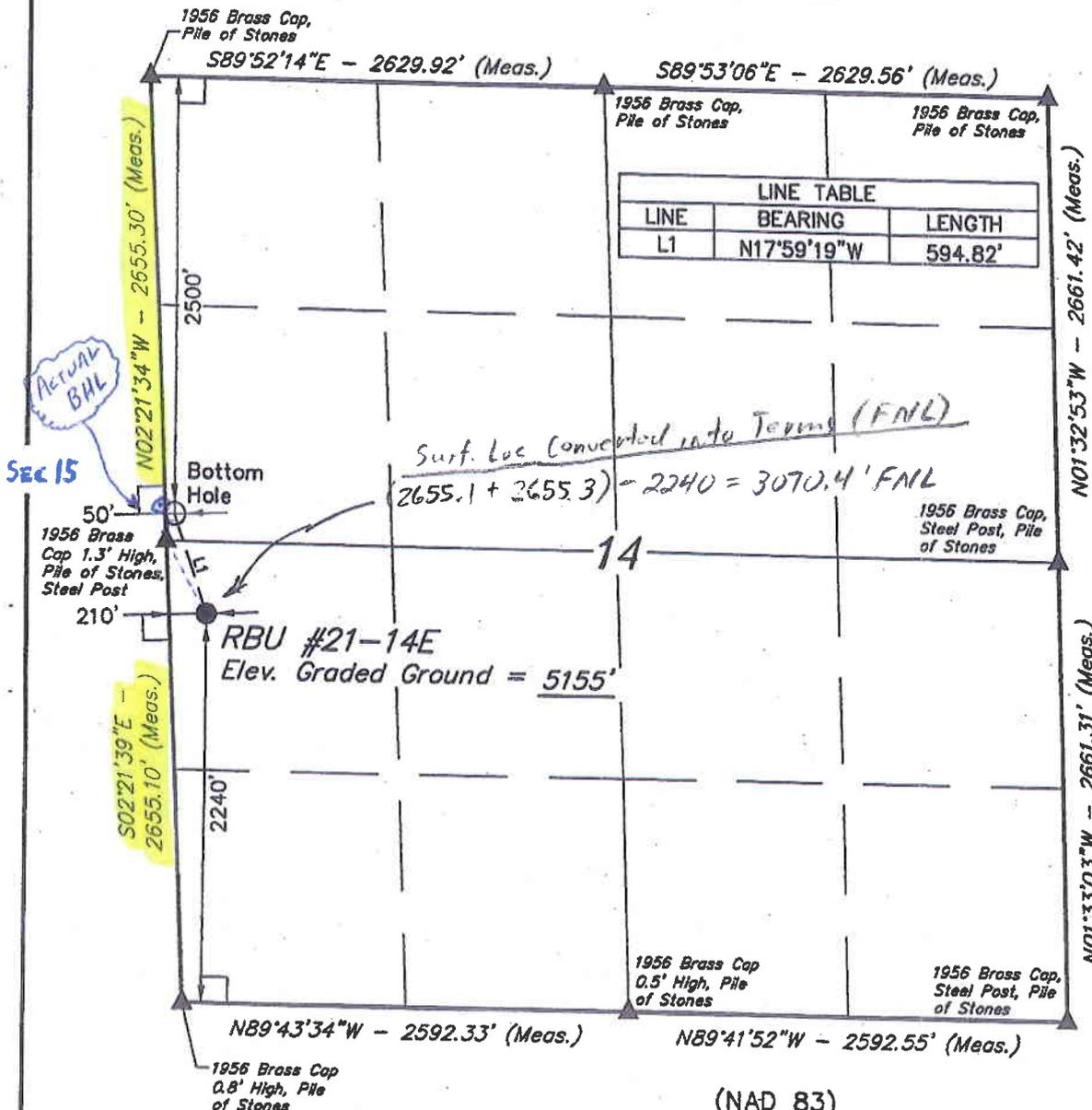
Title REGULATORY CLERK

Signature Barbara A. Nicol

Date 9/15/2009

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.

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



ACTUAL BHL  
SEC 15

Surf. Loc converted into Terms (FNL)  
 $(2655.1 + 2655.3) - 2240 = 3070.4' \text{ FNL}$

RBU #21-14E  
Elev. Graded Ground = 5155'

**LEGEND:**

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

(NAD 83)  
 LATITUDE = 39°56'46.76" (39.946322)  
 LONGITUDE = 109°45'30.33" (109.758425)  
 (NAD 27)  
 LATITUDE = 39°56'46.89" (39.946358)  
 LONGITUDE = 109°45'27.83" (109.757731)

## DOMINION EXPLR. & PROD., INC.

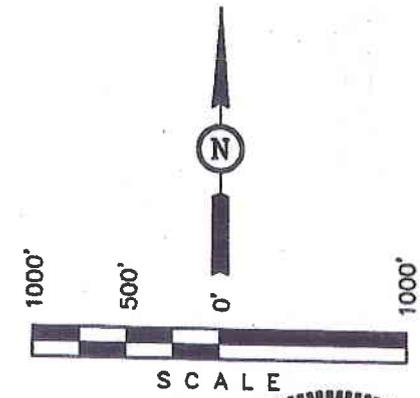
Well location, RBU #21-14E, located as shown in the NW 1/4 SW 1/4 of Section 14, T10S, R19E, S.L.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

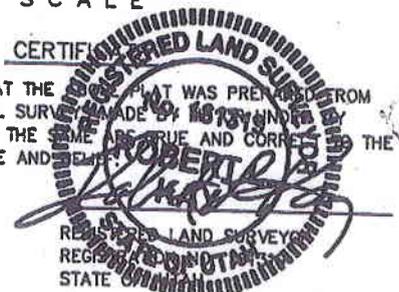
SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M., TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.

### BASIS OF BEARINGS

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



THIS IS TO CERTIFY THAT THE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME UNDER SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**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.	



Baker Atlas

FILE NO: \_\_\_\_\_ COMPANY: XTO ENERGY INC  
 WELL: RBU #21-14E  
 FIELD: NATURAL BUTTES  
 COUNTY: UTAH STATE UTAH

Ver. 3.87

LOCATION: SHL: 2240' FSL & 210' FWL  
 SEC 14 TWP 10S RGE 19E

OTHER SERVICES  
 DILL ZDL/CN

PERMANENT DATUM G.L. \_\_\_\_\_ ELEVATION 5155 FT  
 LOG MEASURED FROM K.B. \_\_\_\_\_ 16.5 FT ABOVE P.D.  
 DRILL MEAS. FROM K.B. \_\_\_\_\_

ELEVATIONS:  
 KB 5171.5 FT  
 DF \_\_\_\_\_  
 GL 5155 FT

DATE	22-OCT-2008
RUN	1
TRIP	1
SERVICE ORDER	561375
DEPTH DRILLER	8814 FT
DEPTH LOGGER	8802 FT
BOTTOM LOGGED INTERVAL	8802 FT
TOP LOGGED INTERVAL	2218 FT
CASING DRILLER	9.625 IN @ 2225 FT
CASING LOGGER	2218 FT
BIT SIZE	7.875 IN
TYPE OF FLUID IN HOLE	KCL
DENSITY	9.4 LB/G 36 S
PH	11.5
FLUID LOSS	17.6 C3
SOURCE OF SAMPLE	FLOWLINE
RM AT MEAS. TEMP.	0.186 OHM @ 59.06 DEGF
RMF AT MEAS. TEMP.	0.260 OHM @ 58.73 DEGF
RMC AT MEAS. TEMP.	0.158 OHM @ 58.35 DEGF
SOURCE OF RMF	RMC MEASURED
RM AT BHT	0.094 OHM @ 171 DEGF
TIME SINCE CIRCULATION	12 HOURS
MAX. RECORDED TEMP.	171 DEGF
EQUIP. NO.	HL-6665
LOCATION	ROCK SPRGS.
RECORDED BY	C. PENNEY
WITNESSED BY	C. SPOUSE

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

**REMARKS**

RUN 1 TRIP 1: BAKER ATLAS DIRECTIONAL DATA WAS TIED IN WITH COMPUTALOG DIRECTIONAL DATA AT:  
 MD: 2338.00' INCL: 8.19 TVD: 2314.29' N/S: 291.38 N E/W: 102.30 W  
 MAGNETIC DECLINATION = 11.54

THANK YOU FOR CHOOSING BAKER ATLAS!  
 CREW: S. SNYDER AND H. WARBOYS  
 RIG: UNIT 111

EQUIPMENT DATA						
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION	
1	1	ISSB	3997XA	123456	FREE	
1	1	ISSB	3997XA	334512	FREE	
1	1	SWML	3944XD	10487413	FREE	
1	1	TIRM	3981XA	10185732	FREE	
1	1	DSL	1329XA	10202988	FREE	
1	1	ORIT	4401XB	10240448	DE-CENTRALIZED	
1	1	CN	2446XA	153114	DE-CENTRALIZED	

XTO ENERGY INC  
RBU #21-14E

DEPTH	DEVIATION		T.V.D.	DRIFT COORDINATES			
	ANGLE	AZIMUTH		STATION		TOTAL	
				N-S	E-W	N-S	E-W
2338.00	8.6	332.6	2314.29	291.38N	102.32W	291.38N	102.32W
2388.00	8.2	334.9	2363.76	6.44N	3.33W	297.82N	105.65W
2438.00	8.0	335.7	2413.27	6.37N	2.87W	304.19N	108.52W
2488.00	8.0	343.6	2462.80	6.37N	2.52W	310.56N	111.04W
2538.00	8.2	345.3	2512.29	6.86N	1.80W	317.42N	112.84W
2588.00	8.5	349.9	2561.77	7.01N	1.53W	324.43N	114.36W
2638.00	8.1	350.3	2611.25	7.08N	1.24W	331.52N	115.60W
2688.00	9.5	349.3	2660.68	7.46N	1.29W	338.97N	116.89W
2738.00	9.0	348.0	2710.02	7.91N	1.60W	346.88N	118.50W
2788.00	8.7	346.2	2759.43	7.48N	1.74W	354.37N	120.24W
2838.00	8.5	345.1	2808.87	7.19N	1.85W	361.56N	122.09W
2888.00	8.4	344.2	2858.33	7.08N	1.91W	368.64N	124.00W
2938.00	9.2	346.7	2907.77	7.19N	1.99W	375.83N	125.98W
2988.00	9.8	349.9	2957.05	8.29N	1.58W	384.12N	127.57W
3038.00	9.7	349.5	3006.33	8.33N	1.48W	392.45N	129.05W
3088.00	9.5	349.2	3055.63	8.20N	1.52W	400.66N	130.57W
3138.00	9.2	348.6	3104.97	7.93N	1.59W	408.58N	132.16W
3188.00	8.9	348.0	3154.35	7.68N	1.62W	416.26N	133.78W
3238.00	8.7	348.8	3203.77	7.45N	1.65W	423.71N	135.43W
3288.00	8.3	345.8	3253.21	7.21N	1.73W	430.92N	137.16W
3338.00	9.1	349.1	3302.63	7.45N	1.64W	438.37N	138.80W
3388.00	9.1	348.3	3352.00	7.73N	1.52W	446.10N	140.32W
3438.00	8.7	348.5	3401.40	7.54N	1.67W	453.64N	141.99W
3488.00	8.8	345.2	3450.85	7.20N	1.80W	460.84N	143.79W
3538.00	9.5	348.0	3500.19	7.85N	2.00W	468.70N	145.79W
3588.00	9.2	345.6	3549.53	7.82N	1.99W	476.51N	147.78W
3638.00	8.8	345.1	3598.92	7.55N	1.97W	484.07N	149.75W
3688.00	8.2	343.4	3648.37	7.09N	1.99W	491.16N	151.75W
3738.00	7.6	340.9	3697.90	6.51N	2.07W	497.67N	153.82W
3788.00	8.1	346.7	3747.44	6.46N	1.97W	504.13N	155.79W
3838.00	7.6	346.6	3796.97	6.73N	1.53W	510.86N	157.32W
3888.00	6.9	343.9	3846.56	6.13N	1.60W	516.99N	158.92W
3938.00	6.5	341.0	3896.22	5.52N	1.78W	522.51N	160.70W
3988.00	6.0	338.0	3945.93	5.07N	1.89W	527.58N	162.59W
4038.00	5.3	334.5	3995.69	4.51N	1.96W	532.09N	164.55W
4088.00	4.8	332.0	4045.49	3.98N	2.00W	536.07N	166.54W
4138.00	4.0	328.9	4095.34	3.30N	1.96W	539.36N	168.50W
4188.00	3.6	321.6	4145.23	2.73N	1.93W	542.09N	170.43W
4238.00	3.1	315.6	4195.14	2.19N	1.90W	544.28N	172.33W
4288.00	2.9	309.8	4245.08	1.76N	1.92W	546.04N	174.25W

XTO ENERGY INC  
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DEPTH	DEVIATION		T.V.D.	DRIFT COORDINATES			
	ANGLE	AZIMUTH		STATION		TOTAL	
				N-S	E-W	N-S	E-W
4338.00	3.2	316.8	4295.01	1.77N	1.93W	547.81N	176.19W
4388.00	3.0	322.1	4344.93	2.08N	1.74W	549.89N	177.93W
4438.00	2.9	330.9	4394.87	2.17N	1.46W	552.06N	179.39W
4488.00	2.8	337.1	4444.80	2.26N	1.04W	554.32N	180.43W
4538.00	2.5	338.4	4494.75	2.14N	0.90W	556.46N	181.32W
4588.00	2.2	336.6	4544.71	1.89N	0.80W	558.35N	182.12W
4638.00	2.2	335.8	4594.67	1.80N	0.79W	560.15N	182.92W
4688.00	2.1	333.7	4644.64	1.65N	0.77W	561.80N	183.69W
4738.00	2.5	332.7	4694.59	1.81N	0.92W	563.61N	184.61W
4788.00	2.4	324.6	4744.55	1.81N	1.12W	565.42N	185.73W
4838.00	2.5	314.6	4794.50	1.61N	1.43W	567.03N	187.16W
4888.00	2.6	303.6	4844.45	1.43N	1.71W	568.46N	188.87W
4938.00	2.3	299.2	4894.41	1.08N	1.75W	569.54N	190.62W
4988.00	2.3	296.4	4944.37	0.93N	1.75W	570.46N	192.37W
5038.00	2.2	297.9	4994.34	0.86N	1.67W	571.33N	194.04W
5088.00	2.1	295.4	5044.30	0.82N	1.67W	572.15N	195.71W
5138.00	2.1	292.0	5094.27	0.75N	1.68W	572.91N	197.39W

187.41W - Good Tie-In w/  
Weatherford O.H. Dracc. Sur

5538.00	1.6	317.6	5494.01	1.08W	0.96W	581.08N	206.72W
5588.00	1.5	313.8	5544.00	0.94N	0.94W	582.17N	207.70W
5638.00	1.3	310.0	5593.98	0.80N	0.89W	583.10N	208.63W
5688.00	1.1	309.3	5643.97	0.68N	0.87W	583.90N	209.52W
5738.00	1.0	305.5	5693.98	0.56N	0.73W	584.58N	210.39W
5788.00	0.9	303.9	5743.95	0.45N	0.87W	585.15N	211.13W
5838.00	0.7	291.0	5793.95	0.32N	0.63W	585.60N	211.79W
5888.00	0.8	298.5	5843.95	0.25N	0.54W	585.91N	212.43W
5938.00	0.7	276.1	5893.94	0.18N	0.61W	586.18N	212.97W
5988.00	0.6	268.8	5943.94	0.04N	0.62W	586.34N	213.58W
6038.00	0.7	256.5	5993.93	0.05S	0.62W	586.38N	214.20W
6088.00	0.7	267.6	6043.93	0.09S	0.59W	586.33N	214.82W
6138.00	0.8	251.8	6093.93	0.17S	0.67W	586.24N	215.41W
6188.00	0.7	258.8	6143.92	0.28S	0.65W	586.07N	216.08W
6238.00	0.9	238.4	6193.91	0.28S	0.69W	585.82N	216.74W
6288.00	0.9	240.9	6243.91	0.30S	0.66W	585.53N	217.43W
						585.23N	218.09W

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DEPTH	DEVIATION		T.V.D.	DRIFT COORDINATES			
	ANGLE	AZIMUTH		STATION		TOTAL	
				N-S	E-W	N-S	E-W
6338.00	1.0	239.1	6293.90	0.41S	0.70W	584.83N	218.79W
6388.00	1.1	234.9	6343.89	0.51S	0.80W	584.31N	219.58W
6438.00	1.2	234.9	6393.88	0.55S	0.78W	583.76N	220.37W
6488.00	1.2	232.8	6443.87	0.62S	0.77W	583.14N	221.13W
6538.00	1.3	225.2	6493.86	0.73S	0.80W	582.42N	221.93W
6588.00	1.2	218.4	6543.85	0.84S	0.73W	581.58N	222.68W
6638.00	1.3	218.6	6593.84	0.82S	0.71W	580.76N	223.37W
6688.00	1.3	216.4	6643.83	0.93S	0.67W	579.83N	224.04W
6738.00	1.3	213.9	6693.81	0.95S	0.68W	578.88N	224.73W
6788.00	1.3	214.9	6743.80	0.98S	0.84W	577.90N	225.37W
6838.00	1.3	209.4	6793.78	0.98S	0.65W	576.92N	226.01W
6888.00	1.2	207.1	6843.77	0.94S	0.50W	575.98N	226.52W
6938.00	1.3	208.3	6893.76	0.96S	0.52W	575.02N	227.04W
6988.00	1.2	206.2	6943.75	0.97S	0.52W	574.05N	227.56W
7038.00	1.1	202.2	6993.74	0.96S	0.45W	573.10N	228.01W
7088.00	1.1	199.0	7043.73	0.96S	0.35W	572.14N	228.36W
7138.00	1.2	201.1	7093.72	0.96S	0.36W	571.18N	228.72W
7188.00	1.2	201.5	7143.71	1.00S	0.40W	570.18N	229.12W
7238.00	1.3	203.5	7193.69	1.02S	0.42W	569.17N	229.54W
7288.00	1.4	205.1	7243.68	1.06S	0.47W	568.10N	230.01W
7338.00	1.3	202.8	7293.67	1.09S	0.50W	567.01N	230.51W
7388.00	1.2	203.7	7343.65	1.03S	0.45W	565.99N	230.96W
7438.00	1.3	207.6	7393.64	0.98S	0.46W	565.00N	231.42W
7488.00	1.3	205.1	7443.63	0.99S	0.49W	564.01N	231.91W
7538.00	1.2	205.0	7493.62	1.00S	0.46W	563.01N	232.37W
7588.00	1.3	205.7	7543.60	1.00S	0.48W	562.01N	232.86W
7638.00	1.3	208.4	7593.59	1.04S	0.49W	560.97N	233.35W
7688.00	1.2	208.7	7643.58	1.01S	0.48W	559.95N	233.83W
7738.00	1.3	205.2	7693.56	1.04S	0.52W	558.91N	234.35W
7788.00	1.3	208.6	7743.55	1.09S	0.54W	557.82N	234.89W
7838.00	1.3	202.3	7793.54	1.07S	0.50W	556.75N	235.39W
7888.00	1.2	197.5	7843.52	1.02S	0.39W	555.73N	235.79W
7938.00	1.3	198.2	7893.51	1.03S	0.35W	554.70N	236.13W
7988.00	1.3	196.5	7943.50	1.07S	0.32W	553.63N	236.46W
8038.00	1.3	193.0	7993.49	1.09S	0.30W	552.54N	236.76W
8088.00	1.3	191.2	8043.47	1.07S	0.22W	551.47N	236.99W
8138.00	1.3	191.4	8093.46	1.11S	0.23W	550.36N	237.22W
8188.00	1.3	187.9	8143.45	1.09S	0.20W	549.27N	237.42W
8238.00	1.5	193.0	8193.44	1.14S	0.23W	548.13N	237.65W
8288.00	1.6	194.3	8243.42	1.31S	0.30W	546.82N	237.95W

XTO ENERGY INC  
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DEPTH	DEVIATION		T.V.D.	DRIFT COORDINATES			
	ANGLE	AZIMUTH		STATION		TOTAL	
				N-S	E-W	N-S	E-W
8338.00	1.7	196.2	8293.40	1.37S	0.39W	545.45N	238.34W
8388.00	1.7	196.5	8343.38	1.44S	0.41W	544.01N	238.75W
8438.00	1.7	197.1	8393.35	1.48S	0.45W	542.54N	239.20W
8488.00	1.8	194.7	8443.33	1.45S	0.41W	541.09N	239.60W
8538.00	1.7	193.1	8493.31	1.50S	0.37W	539.59N	239.97W
8588.00	1.9	191.3	8543.28	1.49S	0.30W	538.10N	240.28W
8638.00	2.0	190.0	8593.25	1.68S	0.29W	536.43N	240.58W
8688.00	2.0	189.5	8643.22	1.77S	0.34W	534.65N	240.90W
8738.00	2.1	184.4	8693.19	1.78S	0.18W	532.87N	241.08W
8788.00	2.1	177.8	8743.17	0.73S	0.00W	532.14N	241.09W

<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 21-14E
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047385890000
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 2240 FSL 0210 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 14 Township: 10.0S Range: 19.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <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: 4/8/2010	<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 in a plunger lift per the following:  
 4/6/2010: MIRU Production Logging Services SLU. PU & RIH w/ 1.625" blind box tls. Tagged fill @ 8707'. POH & LD tls. PU & RIH w/ 1.908" tbg broach to SN. POH & LD tls. RDMO Production Logging Services. RWTP @ 3:00 p.m. 4/6/10. Will drop plngr and set up controller later. Rpts suspended until further activity. 4/8/2010: Lease operator dropd new brush type plngr in tbg. Controller set up to operate in plngr lift mode. RWTP @ 12:30 p.m. 4/8/10. Final rpt. Test data to follow.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 April 14, 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> 4/14/2010	