

August 17, 2005

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 1-4E**

*Surface* : 5' FNL & 259' FEL, NE/4 NE/4

*Target*: 800' FNL, 600' FEL, NE/4 NE/4

Section 4, 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 two copies of the *Application for Permit to Drill (APD)* for the above referenced directional well. 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

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DIV. OF OIL, GAS & MINING

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

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>U-013792</b>
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>
c. NAME OF OPERATOR <b>Dominion Exploration &amp; Production, Inc.</b>		7. UNIT AGREEMENT NAME <b>River Bend Unit</b>
d. ADDRESS AND TELEPHONE NO. <b>14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134, 405-749-5263</b>		8. FARM OR LEASE NAME, WELL NO. <b>RBU 1-4E</b>
e. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface: <b>5' FNL &amp; 259' FEL, NE/4 NE/4</b> <i>604218X SURF 39,983895</i> At proposed prod. zone: <b>800' FNL, 600' FEL, NE/4 NE/4</b> <i>4426473Y -109,779405</i> <i>604125X 39,981690</i> <i>4426227Y -109,780537</i>		9. API WELL NO. <b>43-047-37032</b>
f. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>9.01 miles southwest of Ouray, Utah</b>		10. FIELD AND POOL, OR WILDCAT <b>Natural Buttes</b>
g. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) <b>5'</b>		11. SEC., T., R., M., OR BLK. <b>Section 4</b>
h. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>2,200'</b>		12. COUNTY OR PARISH <b>Uintah</b>
i. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4,986' GR</b>		13. STATE <b>Utah</b>
16. NO. OF ACRES IN LEASE <b>1,882.20</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40 acres</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>
22. APPROX. DATE WORK WILL START* <b>December 1, 2005</b>		

13. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" J-55 ST&C	32#	2,000'	252 sks Lead, 219 sks, tail, 100 sks top out—see attached Drilling Plan
7-7/8"	5-1/2" Mav 80 LT&C	17#	9,050'	160 sks Lead, 435 sks Tail—see attached Drilling Plan

**This well is a directional well from a new pad**

**Bond Information:**  
Bond coverage is provided by Travelers Casualty and Surety Company of America, Bond #76S 63050 0330

**Other Information:**  
Drilling Plan and Surface Use Plan are attached.  
Dominion requests that this complete application for permit to drill be held confidential.  
A request for exception to spacing (R649-3-11) is hereby requested based on topography since the well is located within 460' of the drilling unit boundary. Dominion Exploration & Production, Inc. is the only owner and operator within 460' of the proposed well and all points along the intended well bore path.

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Don Hamilton Don Hamilton TITLE Agent for Dominion DATE August 17, 2005

(This space for Federal or State office use)  
PERMIT NO. 43-047-37032 APPROVAL DATE \_\_\_\_\_

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:  
APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL DATE 08-29-05  
ENVIRONMENTAL SCIENTIST III

**\*See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency or the

*Federal Approval of this  
Action is Necessary*



# 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 1-4E  
SHL 5' FNL & 259' FEL  
BHL 800' FNL & 600' FEL  
Section 4-10S-19E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Green River	1,750'
Wasatch Tongue	4,650'
Green River Tongue	4,990'
Wasatch	5,150'
Chapita Wells	6,050'
Uteland Buttes	7,250'
Mesaverde	8,250'

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

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Green River	1,750'	Oil
Wasatch Tongue	4,650'	Oil
Green River Tongue	4,990'	Oil
Wasatch	5,150'	Gas
Chapita Wells	6,050'	Gas
Uteland Buttes	7,250'	Gas
Mesaverde	8,250'	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	8-5/8"	32.0 ppf	J-55	STC	0'	2,000'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	9,050'	7-7/8"

Note: The drilled depth of the surface hole and the setting depth of the surface casing may vary from 1,700' to 2,000'. Should a lost circulation zone be encountered while drilling, casing will be set approximately 300' below the lost circulation zone. If no lost circulation zone is encountered, casing to be set at 2,000'±.

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## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized. Air foam mist, rotating head and diverter system will be utilized.

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

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 below the intermediate casing shoe. 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.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' - 2,000'	8.4	Air foam mist, rotating head and diverter
2,000' - 9,050'	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 100' 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 surface casing.
- The gamma ray will be left on to record from total depth to surface casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to surface 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.

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**DRILLING PLAN**

**APPROVAL OF OPERATIONS**

**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

**12. CEMENT SYSTEMS**

a. Surface Cement:

- Drill 12-1/4" hole to 2,000'±, run and cement 8-5/8" to surface (depth to vary based on depth of lost circulation zone).
- 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 two joints off bottom e) bottom three joints thread locked f) pump job with bottom plug only.
- Cement the casing annulus to surface. Top out jobs to be performed if needed. Depending to depth of top of cement in the annulus, a 1" tubing string may or may not be utilized.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume	Excess
Lead	252	0'-1,500'	11.0 ppg	3.82 CFS	619 CF	835 CF	35%
Tail	219	1,500'-2,000'	15.6 ppg	1.18 CFS	220 CF	297 CF	35%
Top Out	100	0'-200'	15.6 ppg	1.18 CFS	95 CF	118 CF	24% (if required)

Lead Mix: Premium Plus V blend. Blend includes Class "G" cement, gel, salt, gilsonite.  
Slurry yield: 3.82 cf/sack      Slurry weight: 11.00 #/gal.  
Water requirement: 22.95 gal/sack

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.  
Slurry yield: 1.18 cf/sack      Slurry weight: 15.60 #/gal.  
Water requirement: 5.2 gal/sack

Top Out: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.  
Slurry yield: 1.18 cf/sack      Slurry weight: 15.60 #/gal.  
Water requirement: 5.2 gal/sack

c. Production Casing Cement:

- Drill 7-7/8" hole to 9,050'±, run and cement 5 1/2".
- Cement interface is at 4,000', which is typically 500'-1,000' above shallowest pay.
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 3% KCL.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume	Excess
Lead	160	3,700'-4,700'	11.5 ppg	3.12 CFS	175 CF	350 CF	100%
Tail	435	4,700'-9,050'	13.0 ppg	1.75 CFS	473 CF	946 CF	100%

Note: A caliper log will be ran to determine cement volume requirements.

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

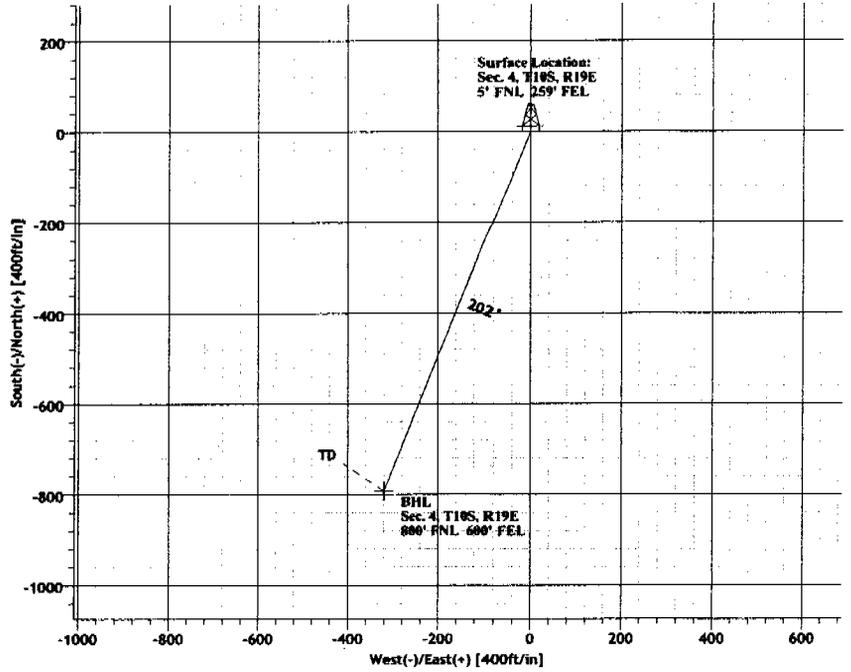
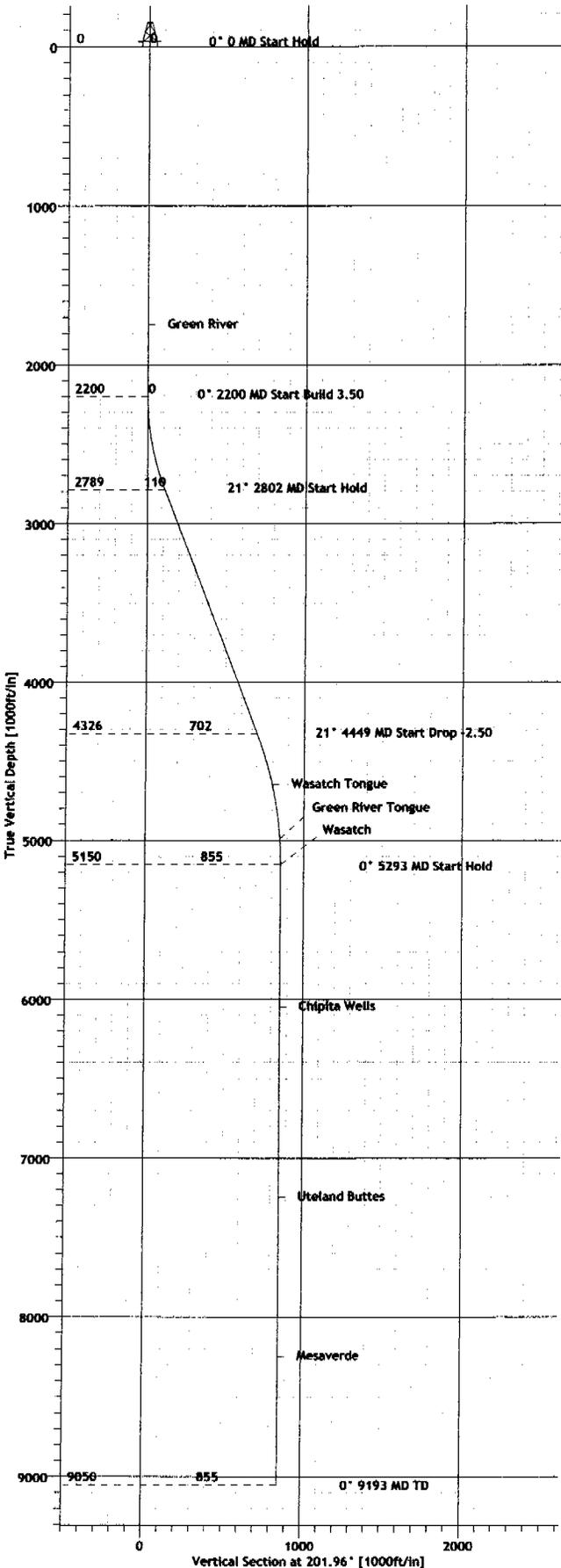
Tail Mix: Halliburton HLC blend (Prem Plus V/IB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
Slurry yield: 1.75 cf/sack      Slurry weight: 13.00 #/gal.  
Water requirement: 9.09 gal/sack  
Compressives @ 165°F: 905 psi after 24 hours

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

Starting Date: December 1, 2005  
Duration: 14 Days

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Well: RBU 1-4E  
 Field: River Bend Unit  
 Uintah Co. Utah  
 Sec. 4, T10S, R19E



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	201.96	0.00	0.00	0.00	0.00	0.00	0.00	
2	2200.00	0.00	201.96	2200.00	0.00	0.00	0.00	201.96	0.00	
3	2802.25	21.08	201.96	2788.76	-101.59	-40.96	3.50	201.96	109.54	
4	4449.45	21.08	201.96	4325.74	-651.03	-262.49	0.00	0.00	701.96	
5	5292.61	0.00	201.96	5150.00	-793.26	-319.84	2.50	180.00	855.31	
6	9192.61	0.00	201.96	9050.00	-793.26	-319.84	0.00	201.96	855.31	

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
RBU 1-4E	0.00	0.00	7167533.64	2122284.93	39°59'02.310N	109°46'48.670W	N/A

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	1750.00	1750.00	Green River
2	4650.00	4788.55	Wasatch Tongue
3	4990.00	5132.47	Green River Tongue
4	5150.00	5292.61	Wasatch
5	6050.00	6192.61	Chipita Wells
6	7250.00	7392.61	Uteland Buttes
7	8250.00	8392.61	Mesaverde

WELLPATH DETAILS

Rig:	Origin	Starting
est.KB @ 5000'	+N/-S	From TVD
	+E/-W	
V.Section Angle	201.96°	0.00

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Site Centre RBU 1-4E, True North  
 Vertical (TVD) Reference: est.KB @ 5000' 0.00  
 Section (VS) Reference: Site Centre (0.00N, 0.00E)  
 Measured Depth Reference: est.KB @ 5000' 0.00  
 Calculation Method: Minimum Curvature



Azimuths to True North  
 Magnetic North: 11.94°

Magnetic Field  
 Strength: 52918nT  
 Dip Angle: 65.95°  
 Date: 7/29/2005  
 Model: igr2005

FIELD DETAILS

Natural Buttes Field  
 Uintah County, Utah  
 USA  
 Geodetic System: US State Plane Coordinate System 1983  
 Ellipsoid: GRS 1980  
 Zone: Utah, Central Zone  
 Magnetic Model: igr2005  
 System Datum: Mean Sea Level  
 Local North: True North

SITE DETAILS

RBU 1-4E  
 Sec. 4, T10S, R19E  
 River Bend Unit  
 Site Centre Latitude: 39°59'02.310N  
 Longitude: 109°46'48.670W  
 Ground Level: 4983.00  
 Positional Uncertainty: 0.00  
 Convergence: 1.10



**Company:** Dominion E & P  
**Field:** Natural Buttes Field  
**Site:** RBU 1-4E  
**Well:** RBU 1-4E  
**Wellpath:** 1

**Date:** 7/29/2005  
**Time:** 09:16:32  
**Co-ordinate(NE) Reference:** Site: RBU 1-4E, True North  
**Vertical (TVD) Reference:** est.KB @ 5000' 0.0  
**Section (VS) Reference:** Site (0.00N,0.00E,201.96Azi)  
**Plan:** Plan #1

**Page:** 1

**Field:** Natural Buttes Field  
 Uintah County, Utah  
 USA  
**Map System:** JS State Plane Coordinate System 1983  
**Geo Datum:** GRS 1980  
**Sys Datum:** Mean Sea Level

**Map Zone:** Utah, Central Zone  
**Coordinate System:** Site Centre  
**Geomagnetic Model:** igrf2005

**Site:** RBU 1-4E  
 Sec. 4, T10S, R19E  
 River Bend Unit

**Site Position:** Northing: 7167533.64 ft Latitude: 39 59 2.310 N  
**From:** Geographic Easting: 2122284.93 ft Longitude: 109 46 48.670 W  
**Position Uncertainty:** 0.00 ft North Reference: True  
**Ground Level:** 4983.00 ft Grid Convergence: 1.10 deg

**Well:** RBU 1-4E **Slot Name:**

**Surface Position:** +N/-S 0.00 ft Northing: 7167533.64 ft Latitude: 39 59 2.310 N  
 +E/-W 0.00 ft Easting: 2122284.93 ft Longitude: 109 46 48.670 W  
**Position Uncertainty:** 0.00 ft  
**Reference Point:** +N/-S 0.00 ft Northing: 7167533.64 ft Latitude: 39 59 2.310 N  
 +E/-W 0.00 ft Easting: 2122284.93 ft Longitude: 109 46 48.670 W  
**Measured Depth:** 0.00 ft **Inclination:** 0.00 deg  
**Vertical Depth:** 0.00 ft **Azimuth:** 0.00 deg

**Wellpath:** 1

**Current Datum:** est.KB @ 5000' **Height** 0.00 ft  
**Magnetic Data:** 7/29/2005  
**Field Strength:** 52918 nT  
**Vertical Section: Depth From (TVD)** +N/-S **Direction**  
 ft ft ft deg

0.00	0.00	0.00	201.96
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**Plan:** Plan #1 **Date Composed:** 7/29/2005  
**Principal:** Yes **Version:** 1  
**Tied-to:** From Well Ref. Point

**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	201.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2200.00	0.00	201.96	2200.00	0.00	0.00	0.00	0.00	0.00	201.96	201.96
2802.25	21.08	201.96	2788.76	-101.59	-40.96	3.50	3.50	0.00	201.96	201.96
4449.45	21.08	201.96	4325.74	-651.03	-262.49	0.00	0.00	0.00	0.00	0.00
5292.61	0.00	201.96	5150.00	-793.26	-319.84	2.50	-2.50	0.00	180.00	180.00
9192.61	0.00	201.96	9050.00	-793.26	-319.84	0.00	0.00	0.00	201.96	201.96

**Section 1 : Start Hold**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	201.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	201.96	100.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
200.00	0.00	201.96	200.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
300.00	0.00	201.96	300.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
400.00	0.00	201.96	400.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
500.00	0.00	201.96	500.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
600.00	0.00	201.96	600.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
700.00	0.00	201.96	700.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
800.00	0.00	201.96	800.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
900.00	0.00	201.96	900.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
1000.00	0.00	201.96	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
1100.00	0.00	201.96	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
1200.00	0.00	201.96	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
1300.00	0.00	201.96	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96



Company: Dominion E & P  
 Field: Natural Buttes Field  
 Site: RBU 1-4E  
 Well: RBU 1-4E  
 Wellpath: 1

Date: 7/29/2005 Time: 09:16:32 Page: 2  
 Co-ordinate(N/E) Reference: RBU 1-4E, True North  
 Vertical (TVD) Reference: st.KB @ 5000' 0.0  
 Section (VS) Reference: Site (0.00N,0.00E,201.96Azi)  
 Plan: Plan #1

**Section 1 : Start Hold**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1400.00	0.00	201.96	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
1500.00	0.00	201.96	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
1600.00	0.00	201.96	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
1700.00	0.00	201.96	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
1750.00	0.00	201.96	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
1800.00	0.00	201.96	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
1900.00	0.00	201.96	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
2000.00	0.00	201.96	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
2100.00	0.00	201.96	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96
2200.00	0.00	201.96	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	201.96

**Section 2 : Start Build 3.50**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2300.00	3.50	201.96	2299.94	-2.83	-1.14	3.05	3.50	3.50	0.00	0.00
2400.00	7.00	201.96	2399.50	-11.32	-4.56	12.20	3.50	3.50	0.00	0.00
2500.00	10.50	201.96	2498.32	-25.42	-10.25	27.41	3.50	3.50	0.00	0.00
2600.00	14.00	201.96	2596.03	-45.10	-18.18	48.63	3.50	3.50	0.00	0.00
2700.00	17.50	201.96	2692.26	-70.27	-28.33	75.77	3.50	3.50	0.00	0.00
2802.25	21.08	201.96	2788.76	-101.59	-40.96	109.54	3.50	3.50	0.00	0.00

**Section 3 : Start Hold**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2900.00	21.08	201.96	2879.97	-134.20	-54.11	144.69	0.00	0.00	0.00	0.00
3000.00	21.08	201.96	2973.27	-167.55	-67.56	180.66	0.00	0.00	0.00	0.00
3100.00	21.08	201.96	3066.58	-200.91	-81.01	216.62	0.00	0.00	0.00	0.00
3200.00	21.08	201.96	3159.89	-234.26	-94.45	252.59	0.00	0.00	0.00	0.00
3300.00	21.08	201.96	3253.20	-267.62	-107.90	288.55	0.00	0.00	0.00	0.00
3400.00	21.08	201.96	3346.51	-300.98	-121.35	324.52	0.00	0.00	0.00	0.00
3500.00	21.08	201.96	3439.82	-334.33	-134.80	360.49	0.00	0.00	0.00	0.00
3600.00	21.08	201.96	3533.13	-367.69	-148.25	396.45	0.00	0.00	0.00	0.00
3700.00	21.08	201.96	3626.43	-401.04	-161.70	432.42	0.00	0.00	0.00	0.00
3800.00	21.08	201.96	3719.74	-434.40	-175.15	468.38	0.00	0.00	0.00	0.00
3900.00	21.08	201.96	3813.05	-467.76	-188.60	504.35	0.00	0.00	0.00	0.00
4000.00	21.08	201.96	3906.36	-501.11	-202.05	540.31	0.00	0.00	0.00	0.00
4100.00	21.08	201.96	3999.67	-534.47	-215.50	576.28	0.00	0.00	0.00	0.00
4200.00	21.08	201.96	4092.98	-567.82	-228.94	612.24	0.00	0.00	0.00	0.00
4300.00	21.08	201.96	4186.29	-601.18	-242.39	648.21	0.00	0.00	0.00	0.00
4400.00	21.08	201.96	4279.60	-634.54	-255.84	684.17	0.00	0.00	0.00	0.00
4449.45	21.08	201.96	4325.74	-651.03	-262.49	701.96	0.00	0.00	0.00	0.00

**Section 4 : Start Drop -2.50**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4500.00	19.82	201.96	4373.10	-667.41	-269.10	719.62	2.50	-2.50	0.00	180.00
4600.00	17.32	201.96	4467.89	-696.93	-281.00	751.45	2.50	-2.50	0.00	180.00
4700.00	14.82	201.96	4563.98	-722.60	-291.35	779.12	2.50	-2.50	0.00	180.00
4788.55	12.60	201.96	4650.00	-742.06	-299.20	800.11	2.50	-2.50	0.00	180.00
4800.00	12.32	201.96	4661.18	-744.35	-300.12	802.58	2.50	-2.50	0.00	-180.00
4900.00	9.82	201.96	4759.31	-762.15	-307.30	821.77	2.50	-2.50	0.00	180.00
5000.00	7.32	201.96	4858.19	-775.96	-312.86	836.66	2.50	-2.50	0.00	180.00
5100.00	4.82	201.96	4957.62	-785.76	-316.82	847.22	2.50	-2.50	0.00	180.00
5132.47	4.00	201.96	4990.00	-788.07	-317.75	849.72	2.50	-2.50	0.00	180.00
5200.00	2.32	201.96	5057.42	-791.53	-319.14	853.44	2.50	-2.50	0.00	-180.00
5292.61	0.00	201.96	5150.00	-793.26	-319.84	855.31	2.50	-2.50	0.00	-180.00



# Ryan Energy Technologies

## Planning Report



Company: Dominion E & P  
 Field: Natural Buttes Field  
 Site: RBU 1-4E  
 Well: RBU 1-4E  
 Wellpath: 1

Date: 7/29/2005 Time: 09:16:32  
 Co-ordinate(N/E) Reference: RBU 1-4E, True North  
 Vertical (TVD) Reference: KB @ 5000' 0.0  
 Section (VS) Reference: Site (0.00N,0.00E,201.96Azi)  
 Plan: Plan #1

Page: 3

### Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5300.00	0.00	201.96	5157.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
5400.00	0.00	201.96	5257.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
5500.00	0.00	201.96	5357.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
5600.00	0.00	201.96	5457.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
5700.00	0.00	201.96	5557.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
5800.00	0.00	201.96	5657.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
5900.00	0.00	201.96	5757.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
6000.00	0.00	201.96	5857.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
6100.00	0.00	201.96	5957.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
6192.61	0.00	201.96	6050.00	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
6200.00	0.00	201.96	6057.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
6300.00	0.00	201.96	6157.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
6400.00	0.00	201.96	6257.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
6500.00	0.00	201.96	6357.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
6600.00	0.00	201.96	6457.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
6700.00	0.00	201.96	6557.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
6800.00	0.00	201.96	6657.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
6900.00	0.00	201.96	6757.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
7000.00	0.00	201.96	6857.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
7100.00	0.00	201.96	6957.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
7200.00	0.00	201.96	7057.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
7300.00	0.00	201.96	7157.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
7392.61	0.00	201.96	7250.00	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
7400.00	0.00	201.96	7257.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
7500.00	0.00	201.96	7357.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
7600.00	0.00	201.96	7457.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
7700.00	0.00	201.96	7557.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
7800.00	0.00	201.96	7657.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
7900.00	0.00	201.96	7757.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
8000.00	0.00	201.96	7857.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
8100.00	0.00	201.96	7957.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
8200.00	0.00	201.96	8057.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
8300.00	0.00	201.96	8157.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
8392.61	0.00	201.96	8250.00	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
8400.00	0.00	201.96	8257.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
8500.00	0.00	201.96	8357.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
8600.00	0.00	201.96	8457.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
8700.00	0.00	201.96	8557.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
8800.00	0.00	201.96	8657.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
8900.00	0.00	201.96	8757.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
9000.00	0.00	201.96	8857.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
9100.00	0.00	201.96	8957.39	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96
9192.61	0.00	201.96	9050.00	-793.26	-319.84	855.31	0.00	0.00	0.00	201.96

### 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	201.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	201.96	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	201.96	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	201.96	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	201.96	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	201.96	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	201.96	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	201.96	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	201.96	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	201.96	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	0.00	201.96	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	201.96	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	201.96	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1300.00	0.00	201.96	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	



# Ryan Energy Technologies

## Planning Report



<b>Company:</b> Dominion E & P <b>Field:</b> Natural Buttes Field <b>Site:</b> RBU 1-4E <b>Well:</b> RBU 1-4E <b>Wellpath:</b> 1	<b>Date:</b> 7/29/2005 <b>Co-ordinate(N/E) Reference:</b> Site <b>Vertical (TVD) Reference:</b> St.KB @ 5000' 0.0 <b>Section (VS) Reference:</b> Site (0.00N,0.00E,201.96Azi) <b>Plan:</b>	<b>Time:</b> 09:16:32 <b>Site:</b> RBU 1-4E, True North <b>Estimate:</b> KB @ 5000' 0.0 <b>Plan #1</b>	<b>Page:</b> 4
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### 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
1400.00	0.00	201.96	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	201.96	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	201.96	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	201.96	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1750.00	0.00	201.96	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	Green River
1800.00	0.00	201.96	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	201.96	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	201.96	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	201.96	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	201.96	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
2300.00	3.50	201.96	2299.94	-2.83	-1.14	3.05	3.50	3.50	0.00	
2400.00	7.00	201.96	2399.50	-11.32	-4.56	12.20	3.50	3.50	0.00	
2500.00	10.50	201.96	2498.32	-25.42	-10.25	27.41	3.50	3.50	0.00	
2600.00	14.00	201.96	2596.03	-45.10	-18.18	48.63	3.50	3.50	0.00	
2700.00	17.50	201.96	2692.26	-70.27	-28.33	75.77	3.50	3.50	0.00	
2802.25	21.08	201.96	2788.76	-101.59	-40.96	109.54	3.50	3.50	0.00	
2900.00	21.08	201.96	2879.97	-134.20	-54.11	144.69	0.00	0.00	0.00	
3000.00	21.08	201.96	2973.27	-167.55	-67.56	180.66	0.00	0.00	0.00	
3100.00	21.08	201.96	3066.58	-200.91	-81.01	216.62	0.00	0.00	0.00	
3200.00	21.08	201.96	3159.89	-234.26	-94.45	252.59	0.00	0.00	0.00	
3300.00	21.08	201.96	3253.20	-267.62	-107.90	288.55	0.00	0.00	0.00	
3400.00	21.08	201.96	3346.51	-300.98	-121.35	324.52	0.00	0.00	0.00	
3500.00	21.08	201.96	3439.82	-334.33	-134.80	360.49	0.00	0.00	0.00	
3600.00	21.08	201.96	3533.13	-367.69	-148.25	396.45	0.00	0.00	0.00	
3700.00	21.08	201.96	3626.43	-401.04	-161.70	432.42	0.00	0.00	0.00	
3800.00	21.08	201.96	3719.74	-434.40	-175.15	468.38	0.00	0.00	0.00	
3900.00	21.08	201.96	3813.05	-467.76	-188.60	504.35	0.00	0.00	0.00	
4000.00	21.08	201.96	3906.36	-501.11	-202.05	540.31	0.00	0.00	0.00	
4100.00	21.08	201.96	3999.67	-534.47	-215.50	576.28	0.00	0.00	0.00	
4200.00	21.08	201.96	4092.98	-567.82	-228.94	612.24	0.00	0.00	0.00	
4300.00	21.08	201.96	4186.29	-601.18	-242.39	648.21	0.00	0.00	0.00	
4400.00	21.08	201.96	4279.60	-634.54	-255.84	684.17	0.00	0.00	0.00	
4449.45	21.08	201.96	4325.74	-651.03	-262.49	701.96	0.00	0.00	0.00	
4500.00	19.82	201.96	4373.10	-667.41	-269.10	719.62	2.50	-2.50	0.00	
4600.00	17.32	201.96	4467.89	-696.93	-281.00	751.45	2.50	-2.50	0.00	
4700.00	14.82	201.96	4563.98	-722.60	-291.35	779.12	2.50	-2.50	0.00	
4788.55	12.60	201.96	4650.00	-742.06	-299.20	800.11	2.50	-2.50	0.00	Wasatch Tongue
4800.00	12.32	201.96	4661.18	-744.35	-300.12	802.58	2.50	-2.50	0.00	
4900.00	9.82	201.96	4759.31	-762.15	-307.30	821.77	2.50	-2.50	0.00	
5000.00	7.32	201.96	4858.19	-775.96	-312.86	836.66	2.50	-2.50	0.00	
5100.00	4.82	201.96	4957.62	-785.76	-316.82	847.22	2.50	-2.50	0.00	
5132.47	4.00	201.96	4990.00	-788.07	-317.75	849.72	2.50	-2.50	0.00	Green River Tongue
5200.00	2.32	201.96	5057.42	-791.53	-319.14	853.44	2.50	-2.50	0.00	
5292.61	0.00	201.96	5150.00	-793.26	-319.84	855.31	2.50	-2.50	0.00	Wasatch
5300.00	0.00	201.96	5157.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
5400.00	0.00	201.96	5257.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
5500.00	0.00	201.96	5357.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
5600.00	0.00	201.96	5457.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
5700.00	0.00	201.96	5557.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
5800.00	0.00	201.96	5657.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
5900.00	0.00	201.96	5757.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
6000.00	0.00	201.96	5857.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
6100.00	0.00	201.96	5957.39	-793.26	-319.84	855.31	0.00	0.00	0.00	



# Ryan Energy Technologies

## Planning Report



<b>Company:</b> Dominion E & P <b>Field:</b> Natural Buttes Field <b>Site:</b> RBU 1-4E <b>Well:</b> RBU 1-4E <b>Wellpath:</b> 1	<b>Date:</b> 7/29/2005 <b>Time:</b> 09:16:32 <b>Page:</b> 5 <b>Co-ordinate(NE) Reference:</b> Site: RBU 1-4E, True North <b>Vertical (TVD) Reference:</b> est.KB @ 5000' 0.0 <b>Section (VS) Reference:</b> Site (0.00N,0.00E,201.96Azi) <b>Plan:</b> <b>Plan #1</b>
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### 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
6192.61	0.00	201.96	6050.00	-793.26	-319.84	855.31	0.00	0.00	0.00	Chipita Wells
6200.00	0.00	201.96	6057.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
6300.00	0.00	201.96	6157.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
6400.00	0.00	201.96	6257.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
6500.00	0.00	201.96	6357.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
6600.00	0.00	201.96	6457.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
6700.00	0.00	201.96	6557.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
6800.00	0.00	201.96	6657.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
6900.00	0.00	201.96	6757.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
7000.00	0.00	201.96	6857.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
7100.00	0.00	201.96	6957.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
7200.00	0.00	201.96	7057.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
7300.00	0.00	201.96	7157.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
7392.61	0.00	201.96	7250.00	-793.26	-319.84	855.31	0.00	0.00	0.00	Uteland Buttes
7400.00	0.00	201.96	7257.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
7500.00	0.00	201.96	7357.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
7600.00	0.00	201.96	7457.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
7700.00	0.00	201.96	7557.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
7800.00	0.00	201.96	7657.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
7900.00	0.00	201.96	7757.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
8000.00	0.00	201.96	7857.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
8100.00	0.00	201.96	7957.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
8200.00	0.00	201.96	8057.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
8300.00	0.00	201.96	8157.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
8392.61	0.00	201.96	8250.00	-793.26	-319.84	855.31	0.00	0.00	0.00	Mesaverde
8400.00	0.00	201.96	8257.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
8500.00	0.00	201.96	8357.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
8600.00	0.00	201.96	8457.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
8700.00	0.00	201.96	8557.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
8800.00	0.00	201.96	8657.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
8900.00	0.00	201.96	8757.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
9000.00	0.00	201.96	8857.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
9100.00	0.00	201.96	8957.39	-793.26	-319.84	855.31	0.00	0.00	0.00	
9192.61	0.00	201.96	9050.00	-793.26	-319.84	855.31	0.00	0.00	0.00	TD

### Targets

Name	Description		TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude			Longitude				
	Dip.	Dir.						Deg	Min	Sec	Deg	Min	Sec		
TD			9050.00	-793.26	-319.84	7166734.38	2121980.41	39	58	54.470	N	109	46	52.779	W
-Plan hit target															

### Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
1750.00	1750.00	Green River		0.00	0.00
4788.55	4650.00	Wasatch Tongue		0.00	0.00
5132.47	4990.00	Green River Tongue		0.00	0.00
5292.61	5150.00	Wasatch		0.00	0.00
6192.61	6050.00	Chipita Wells		0.00	0.00
7392.61	7250.00	Uteland Buttes		0.00	0.00
8392.61	8250.00	Mesaverde		0.00	0.00



Company: Dominion E & P  
Field: Natural Buttes Field  
Site: RBU 1-4E  
Well: RBU 1-4E  
Wellpath: 1

Date: 7/29/2005 Time: 09:16:32 Page: 6  
Co-ordinate(N/E) Reference: RBU 1-4E, True North  
Vertical (TVD) Reference: est.KB @ 5000' 0.0  
Section (VS) Reference: Site (0.00N,0.00E,201.96Azi)  
Plan: Plan #1

Annotation

MD ft	TVD ft	
2200.00	2200.00	KOP

**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 1-4E  
SHL 5' FNL & 259' FEL  
BHL 800' FNL & 600' FEL  
Section 4-10S-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 federal onsite inspection for the referenced well was conducted on Tuesday, June 28, 2005 at approximately 10:00 am. In attendance at the onsite inspection were the following individuals:

Ken Secrest	Foreman	Dominion E & P, Inc.
Brandon Bowthorpe	Surveyor	Uintah Engineering and Land Surveying
Jesse Merkle	Surveyors Helper	Uintah Engineering and Land Surveying
Karl Wright	Nat. Res. Prot. Spec.	Bureau of Land Management – Vernal
Amy Torres	Biologist	Bureau of Land Management – Vernal

1. Existing Roads:

- a. The proposed well site is located approximately 9.01 miles southwest of Ouray, UT.
- b. Directions to the proposed well site have been attached at the end of Exhibit B.
- c. 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.
- d. 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 the 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.

2. Planned Access Roads:

- a. From the existing gravel surfaced road that accesses RBU 4-3E an access is proposed trending southwest approximately 0.3 miles to the proposed well site. The access consists of new disturbance and crosses no significant drainages. A road design plan is not anticipated at this time.
- b. The proposed access road will consist of a 24' travel surface within a 30' disturbed area.
- c. BLM approval to construct and utilize the proposed access road is requested with this application.
- d. A maximum grade of 10% will be maintained throughout the project with no cuts and fills required to access the well.
- e. No turnouts are proposed since the access road is only 0.3 miles long and adequate site distance exists in all directions.
- f. No culverts are anticipated. Adequate drainage structures will be incorporated into the road.
- g. No surfacing material will come from federal or Indian lands.
- h. No gates or cattle guards are anticipated at this time
- i. Surface disturbance and vehicular travel will be limited to the approved location access road.
- j. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).
- k. The operator will be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells:

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

4. Location of Production Facilities:

- a. All permanent structures will be painted a flat, non-reflective Desert Brown 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.
- h. A gas pipeline is associated with this application and is being applied for at this time. The proposed gas pipeline corridor will leave the northeast side of the well site and traverse 1,468' northeast to the existing pipeline corridor that services the RBU 4-3E.
- i. The new gas pipeline will be a 6" 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. A new pipeline length of approximately 1,468' is associated with this well.
- j. Dominion intends on installing the 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.
- k. A variance or modification is requested with this application for the pipeline to be placed above-ground because of the amount of surface rock anticipated and the nearby location of other surface lines. It is the opinion of Dominion that considerable additional impacts to the surface resources and visual resources will occur that will not be offset by the advantages to below-ground placement of the pipeline corridor.

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 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 northeast 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 12 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.
- f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.
- g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.
- h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.
- i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.
- k. **Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.**
- l. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.
- m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

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

9. Well Site Layout: (See Exhibit B)

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

10. Plans for Restoration of the Surface:

- 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. 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 and 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.

- c. 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 recontoured to the approximate natural contours.
- d. The cut and fill slopes and all other disturbed areas not needed for the production operation will be top soiled and re-vegetated. The stockpiled topsoil will be evenly distributed over the disturbed area.
- e. Prior to reseeding 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. Stipulations to minimize erosion in the area will apply to this well including restrictions regarding work during muddy conditions.
  - c. An expired mining claim exists on-site that is no longer valid.

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: 8-17-05

# DOMINION EXPLR. & PROD., INC.

RBU #1-4E

SECTION 4, 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 SOUTHWESTERLY DIRECTION APPROXIMATELY 2.6 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 3.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 4.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #4-3E TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 42.75 MILES.

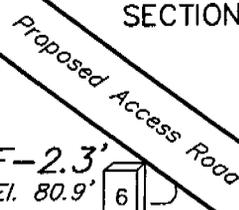
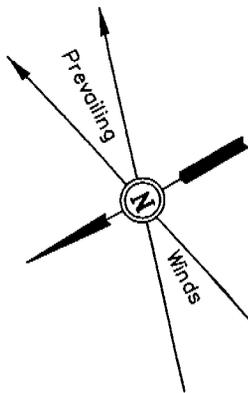
DOMINION EXPLR. & PROD., INC.

LOCATION LAYOUT FOR

RBU #1-4E

SECTION 4, T10S, R19E, S.L.B.&M.

5' FNL 259' FEL

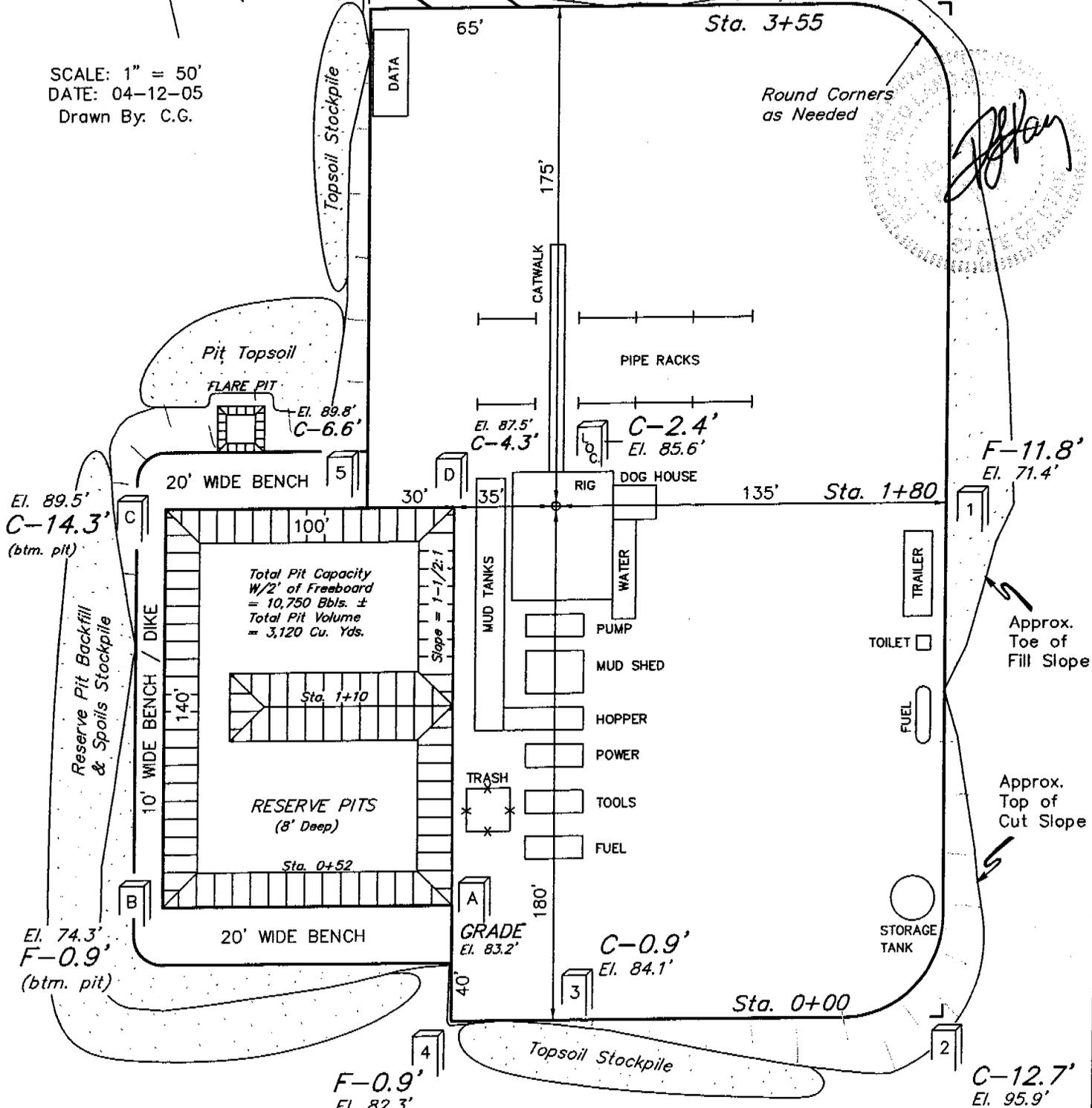


F-2.3'  
El. 80.9'

F-1.2'  
El. 82.0'

F-6.0'  
El. 77.2'

SCALE: 1" = 50'  
DATE: 04-12-05  
Drawn By: C.G.



Elev. Ungraded Ground at Location Stake = 4985.6'  
Elev. Graded Ground at Location Stake = 4983.2'

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

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

**TYPICAL CROSS SECTIONS FOR**

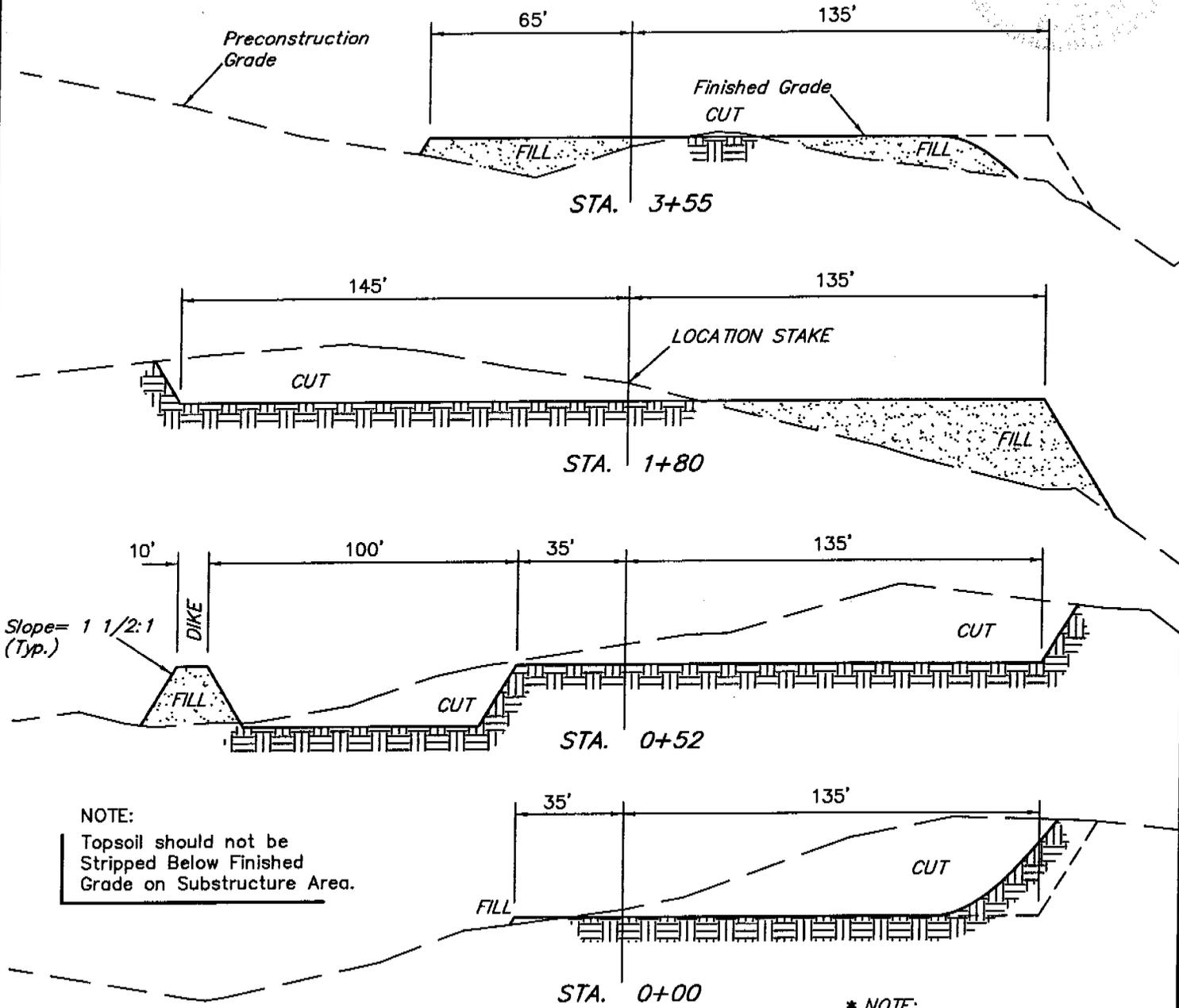
**RBU #1-4E**

**SECTION 4, T10S, R19E, S.L.B.&M.**

**5' FNL 259' FEL**

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

DATE: 04-12-05  
Drawn By: C.G.



**NOTE:**  
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

**\* NOTE:**  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

<b>CUT</b>	
(6") Topsoil Stripping	= 1,860 Cu. Yds.
Remaining Location	= 9,300 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 11,160 CU.YDS.</b>
<b>FILL</b>	<b>= 7,740 CU.YDS.</b>

<b>EXCESS MATERIAL</b>	<b>= 3,420 Cu. Yds.</b>
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,420 Cu. Yds.
<b>EXCESS UNBALANCE (After Rehabilitation)</b>	<b>= 0 Cu. Yds.</b>

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

# DOMINION EXPLR. & PROD., INC.

RBU #1-4E  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 4, T10S, R19E, S.L.B.&M.

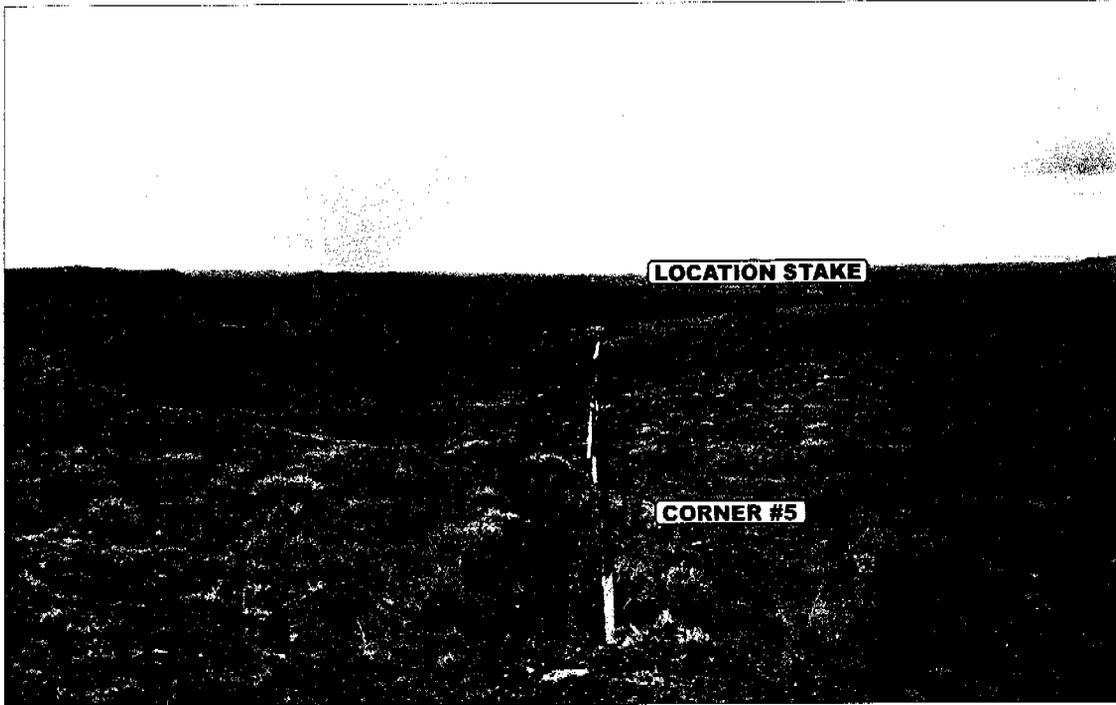


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

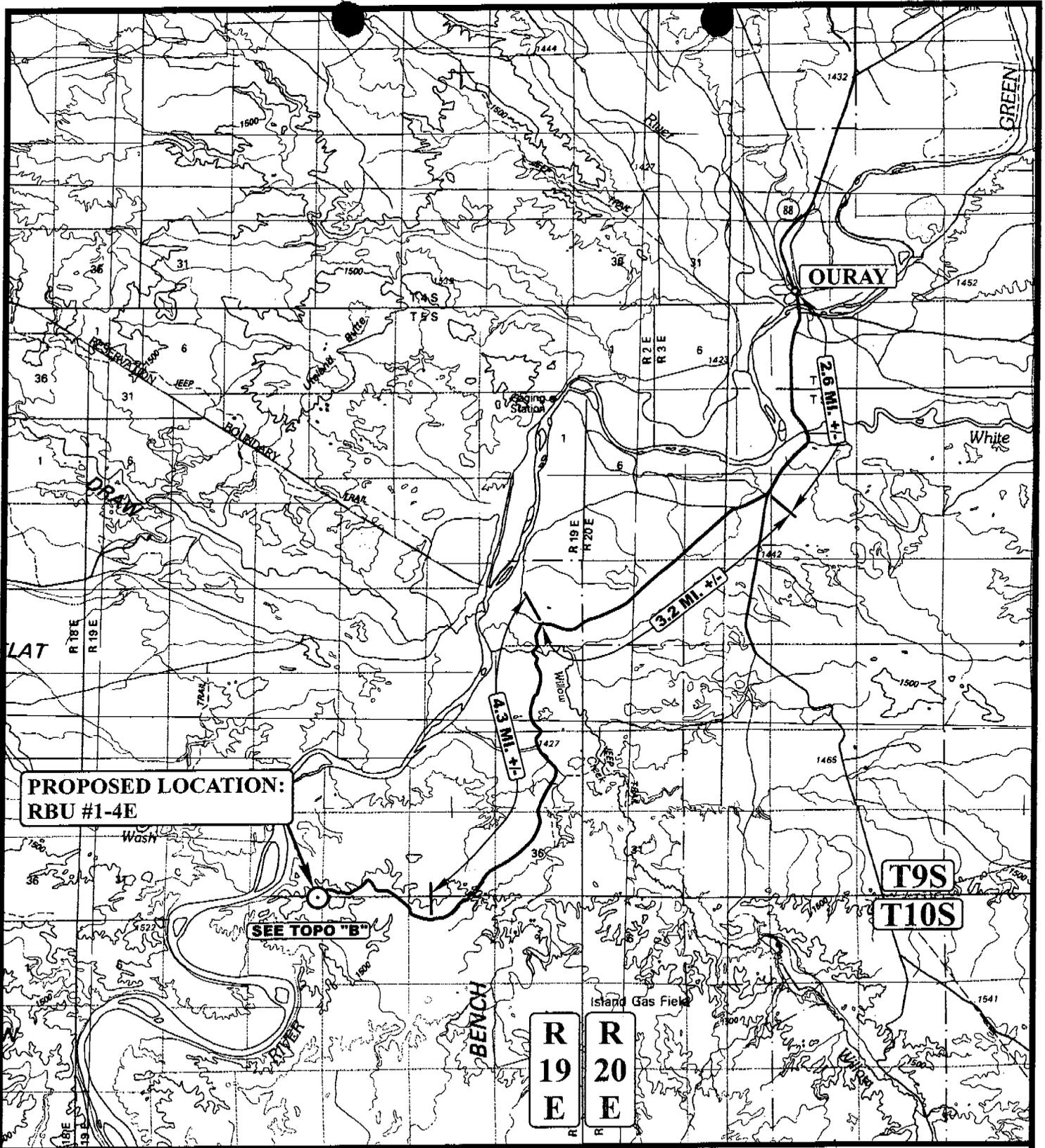
CAMERA ANGLE: WESTERLY



- Since 1964 -

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

LOCATION PHOTOS	03	25	05	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: M.A.	DRAWN BY: C.P.	REVISED: 00-00-00		



**PROPOSED LOCATION:  
RBU #1-4E**

**SEE TOPO "B"**

**T9S  
T10S**

**R  
19  
E**     **R  
20  
E**

**LEGEND:**

⊙ PROPOSED LOCATION



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

**RBU #1-4E  
SECTION 4, T10S, R19E, S.L.B.&M.  
5' FNL 259' FEL**



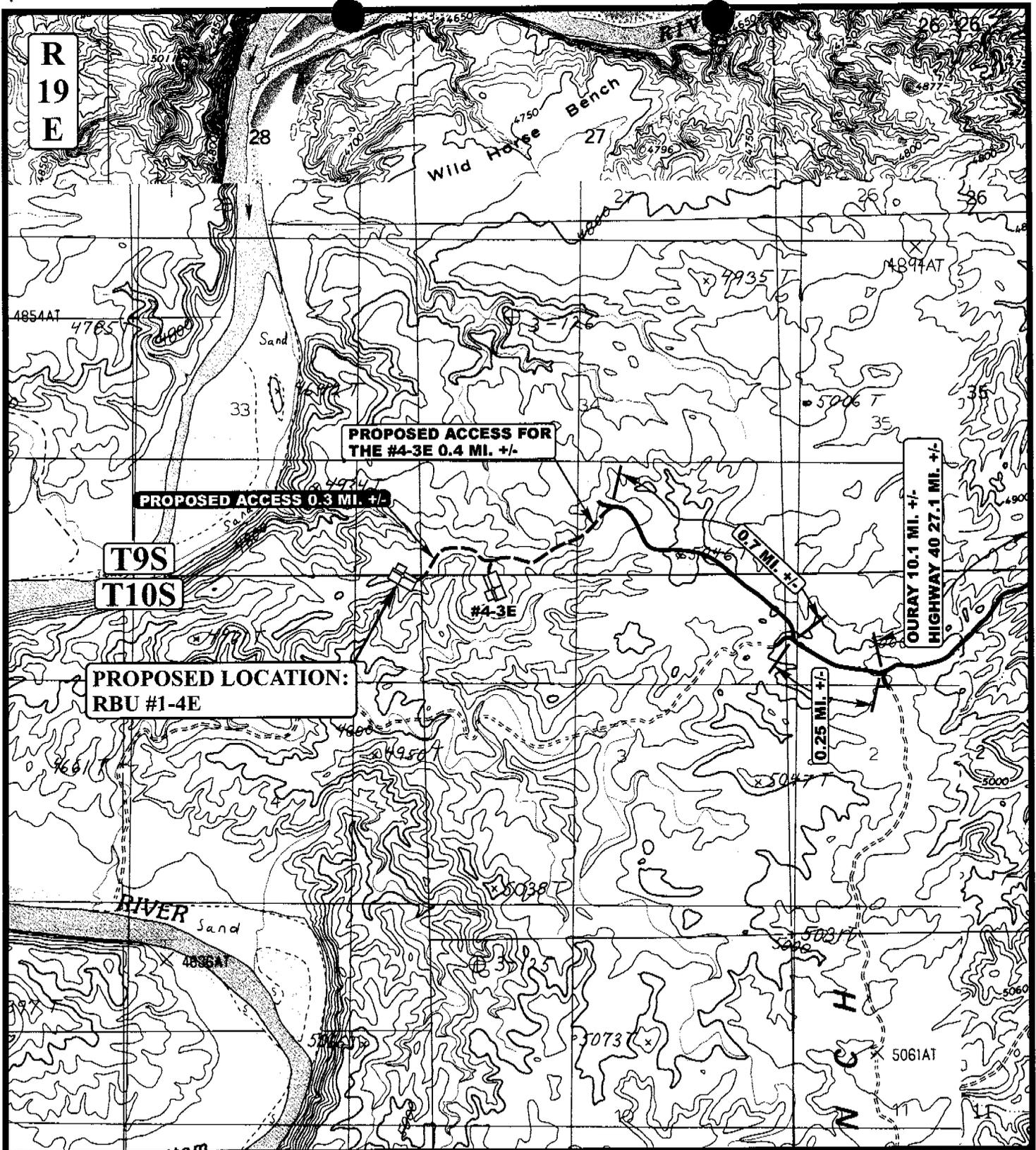
**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**03 25 05**  
MONTH DAY YEAR

SCALE: 1:100,000     DRAWN BY: C.P.     REVISED: 00-00-00





**LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD

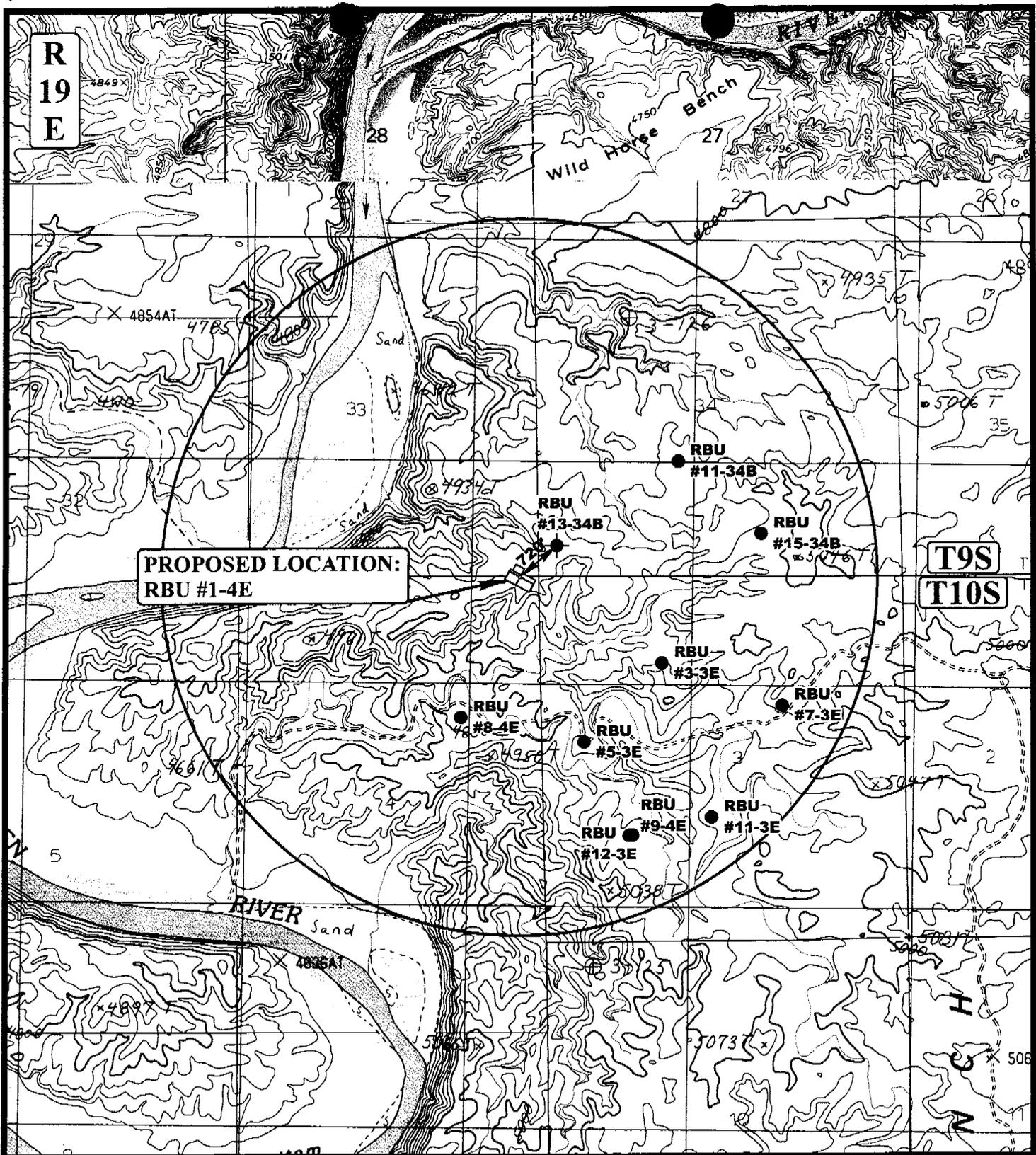


**DOMINION EXPLR. & PROD., INC.**

**RBU #1-4E**  
**SECTION 4, T10S, R19E, S.L.B.&M.**  
**5' FNL 259' FEL**

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

<b>TOPOGRAPHIC</b>	<b>03</b>	<b>25</b>	<b>05</b>	<b>B</b> <b>TOPO</b>
<b>MAP</b>	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: C.P.		REVISED: 00-00-00	



**PROPOSED LOCATION:  
RBU #1-4E**

**T9S  
T10S**

**LEGEND:**

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



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

**RBU #1-4E  
SECTION 4, T10S, R19E, S.L.B.&M.  
5' FNL 259' FEL**



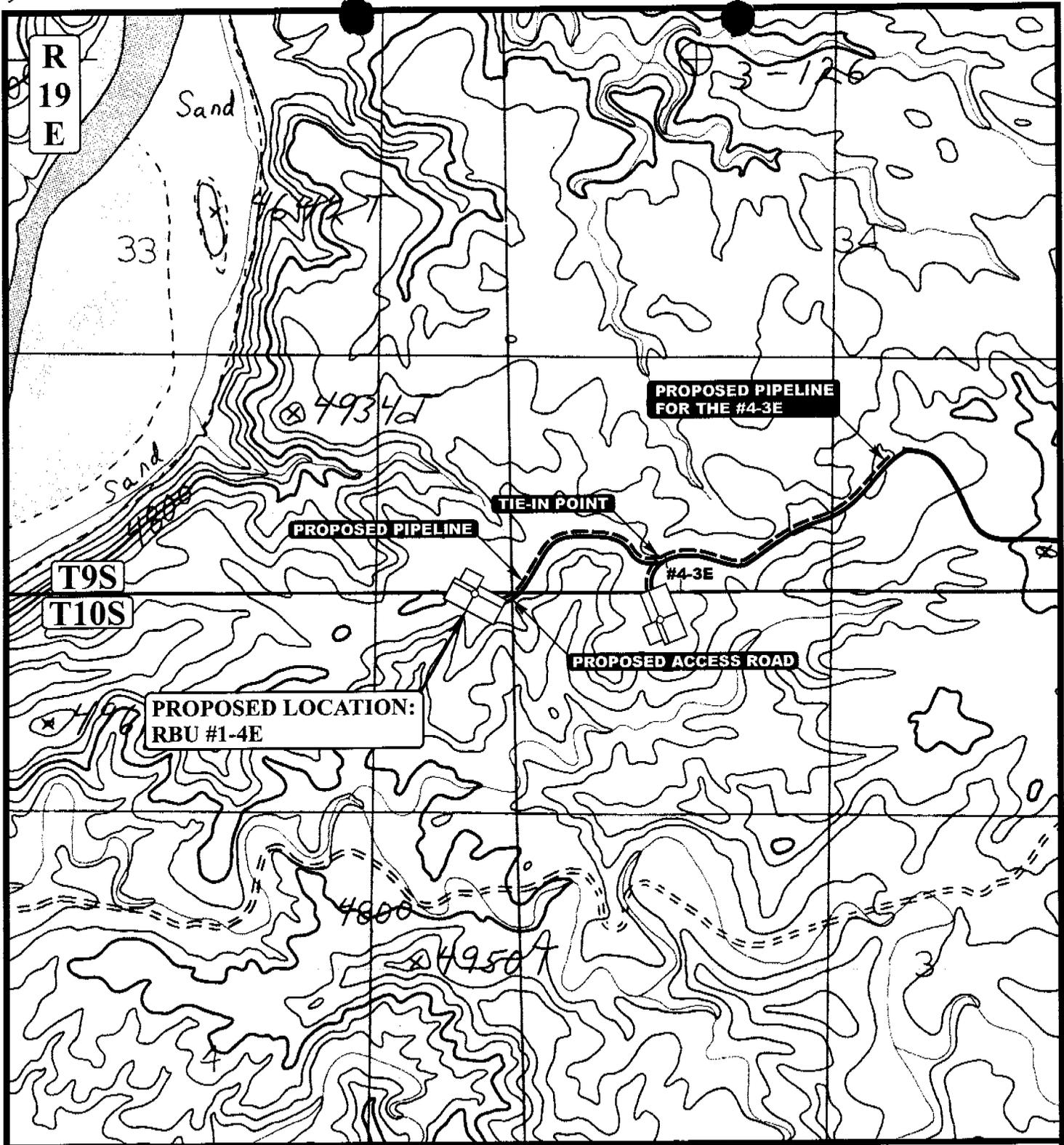
**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

<b>03</b>	<b>25</b>	<b>05</b>
MONTH	DAY	YEAR

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





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,468' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



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

**RBUS #1-4E**  
**SECTION 4, T10S, R19E, S.L.B.&M.**  
**5' FNL 259' FEL**



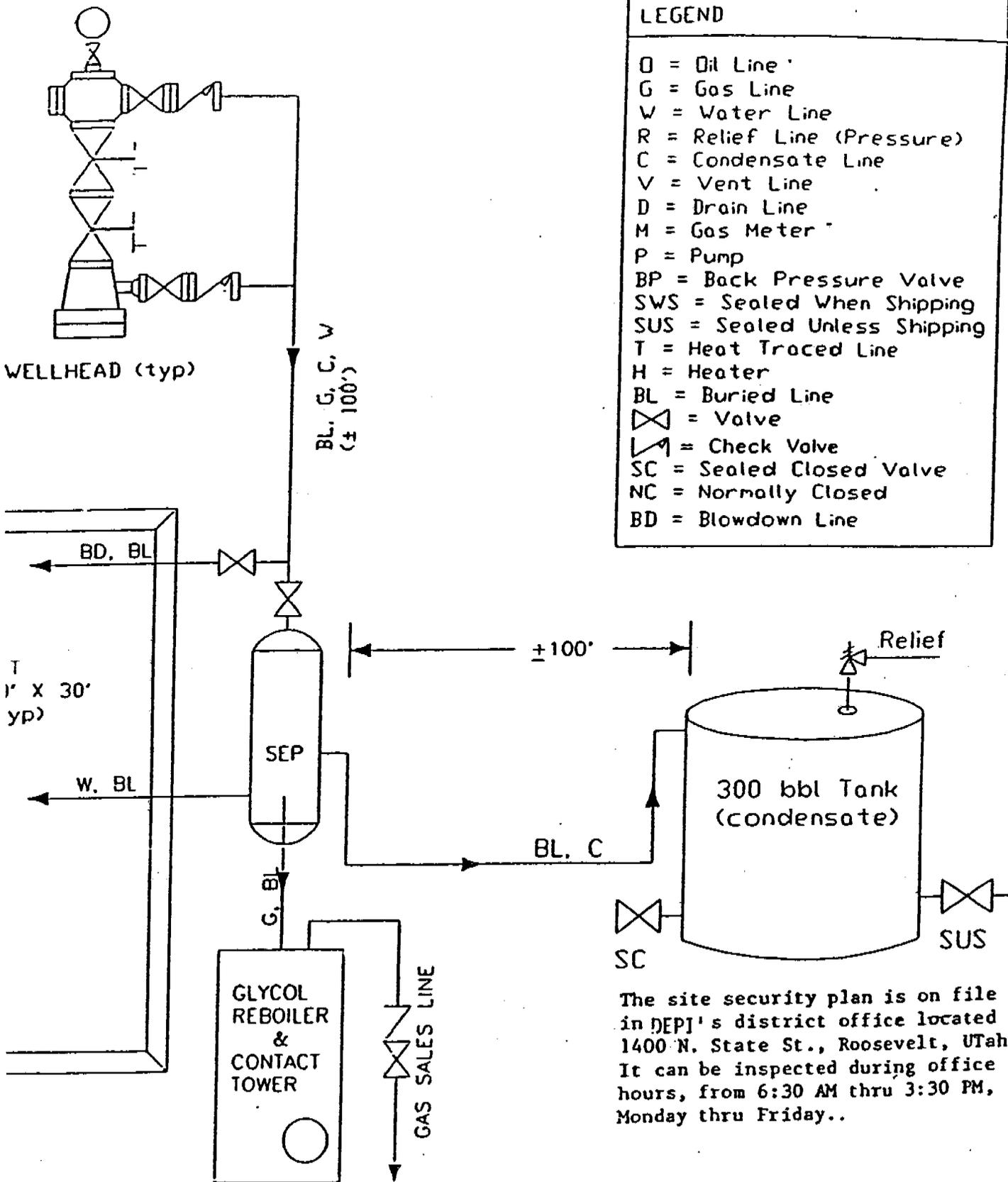
**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** 03 25 05  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00



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
- ↗ = Check Valve
- SC = Sealed Closed Valve
- NC = Normally Closed
- BD = Blowdown Line



The site security plan is on file in DEPJ'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..

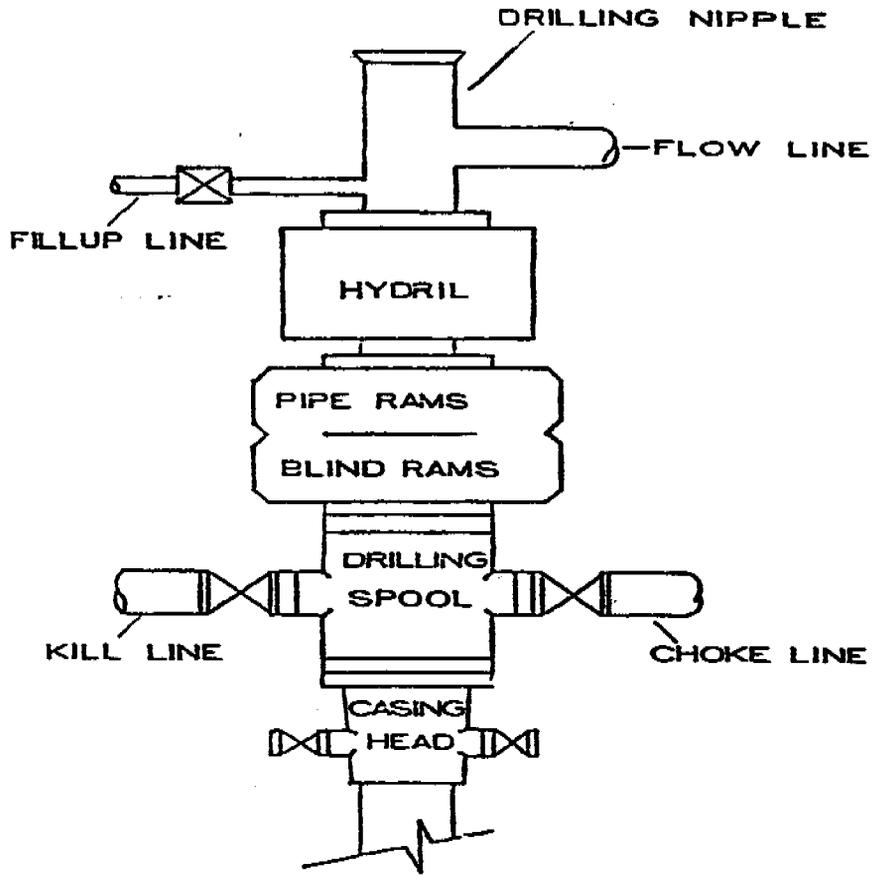
DOMINION EXPLORATION & PRODUCTION, INC.

not to scale

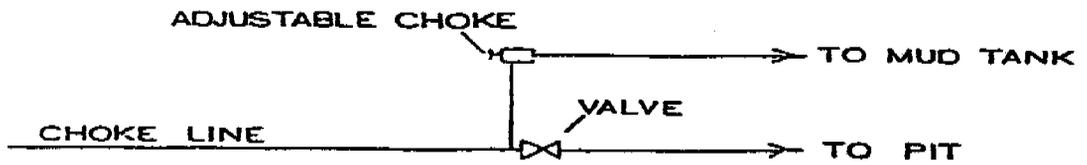
TYPICAL FLOW DIAGRAM

date: / /

# BOP STACK



# CHOKER MANIFOLD



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/22/2005

API NO. ASSIGNED: 43-047-37032
--------------------------------

WELL NAME: RBU 1-4E  
 OPERATOR: DOMINION EXPL & PROD ( N1095 )  
 CONTACT: DON HAMILTON

PHONE NUMBER: 435-650-1886

PROPOSED LOCATION:

NENE 04 100S 190E  
 SURFACE: 0005 FNL 0259 FEL  
 BOTTOM: 0800 FNL 0600 FEL  
 UINTAH  
 NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: U-013792  
 SURFACE OWNER: 1 - Federal  
 PROPOSED FORMATION: MVRD  
 COALBED METHANE WELL? NO

LATITUDE: 39.98390  
 LONGITUDE: -109.7794

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 76S630500330 )
- 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: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

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

STIPULATIONS: 1- Federal Approval

2- Spacing Strip



# 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)

August 26, 2005

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2005 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 2005 within the River Bend Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Mesaverde)		
43-047-37032	RBU 1-4E	Sec 4 T10S R19E 0005 FNL 0259 FEL
	BHL	Sec 4 T10S R19E 0800 FNL 0600 FEL
43-047-37033	RBU 4-10E	Sec 10 T10S R19E 2039 FNL 1216 FWL
	BHL	Sec 10 T10S R19E 1000 FNL 0700 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – River Bend Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron



**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*

August 29, 2005

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

Re: River Bend Unit 1-4E Well, Surface Location 5' FNL, 259' FEL, NE NE, Sec. 4,  
T. 10 South, R. 19 East, Bottom Location 800' FNL, 600' FEL, NE NE, Sec. 4,  
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 43-047-37032.

Sincerely,

  
Gil Hunt  
Associate Director

pab

Enclosures

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



6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

*SUBMIT IN TRIPlicate - Other Instructions on Reverse Side*

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**DOMINION EXPLORATION & PRODUCTION, INC.**

3a. Address                      Suite 600  
**14000 QUAIL SPGS PKWY, OKLA CITY, OK 73134**

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**5' FNL & 259' FEL, (NE NE) Sec. 4-10S-19E Surface Location**  
**800' FNL & 600' FEL, (NE NE) Sec. 4-10S-19E Bottom Location**

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

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**RBU 1-4E**

9. API Well No.  
**43-047-37032**

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

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

CONFIDENTIAL

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

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

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

The state APD for this well expires August 29, 2006. Dominion is hereby requesting a one year extension.

Approved by the  
 Utah Dept. of Natural Resources  
 Oil, Gas and Mining  
 Date: 08-01-06  
 By: *[Signature]*

**COPY SENT TO OPERATOR**  
 Date: 8-21-06  
 Initials: [Signature]

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

Name (Printed/Typed)                      Title  
**Carla Christian**                                      **Sr. Regulatory Specialist**

Signature                      Date  
*Carla Christian*                                      **7/25/2006**

**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.

RECEIVED

JUL 27 2006

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

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

**API:** 43-047-37032  
**Well Name:** RBU 1-4E  
**Location:** Section 4-10S-19E, 5' FNL & 259' FEL  
**Company Permit Issued to:** Dominion Exploration & Production, Inc.  
**Date Original Permit Issued:** 8/29/2005

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

Carla Christian  
Signature

7/25/2006  
Date

**Title:** Sr. Regulatory Specialist

**Representing:** Dominion Exploration & Production, Inc.

RECEIVED  
JUL 27 2006  
REGULATORY & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN 2 2 2005

a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-013792
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
c. NAME OF OPERATOR Dominion Exploration & Production, Inc.		7. UNIT AGREEMENT NAME River Bend Unit
d. ADDRESS AND TELEPHONE NO. 14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134, 405-749-5263		8. FARM OR LEASE NAME, WELL NO. RBU 1-4E
e. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At surface: 5' FNL & 259' FEL, NE/4 NE/4 <b>Lot 1</b> At proposed prod. zone: 800' FNL, 600' FEL, NE/4 NE/4		9. API WELL NO. 43047.37032
f. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 9.01 miles southwest of Ouray, Utah		10. FIELD AND POOL, OR WILDCAT Natural Buttes
g. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 5'		11. SEC., T., R., M., OR BLK. Section 4
h. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2,200'		12. COUNTY OR PARISH Uintah
i. ELEVATIONS (Show whether DF, RT, GR, etc.) 4,986' GR		13. STATE Utah
j. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2,200'		17. NO. OF ACRES ASSIGNED TO THIS WELL 40 acres
k. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2,200'		19. PROPOSED DEPTH 9,050'
l. ELEVATIONS (Show whether DF, RT, GR, etc.) 4,986' GR		20. ROTARY OR CABLE TOOLS Rotary
m. PROPOSED CASING AND CEMENTING PROGRAM		22. APPROX. DATE WORK WILL START* December 1, 2005

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" J-55 ST&C	32#	2,000'	252 sks Lead, 219 sks, tail, 100 sks top out—see attached Drilling Plan
7-7/8"	5-1/2" Mav 80 LT&C	17#	9,050'	160 sks Lead, 435 sks Tail—see attached Drilling Plan

**This well is a directional well from a new pad**

**Bond Information:**

Bond coverage is provided by Travelers Casualty and Surety Company of America, Bond #76S 63050 0330

**Other Information:**

Drilling Plan and Surface Use Plan are attached.  
Dominion requests that this complete application for permit to drill be held confidential.  
A request for exception to spacing (R649-3-11) is hereby requested based on topography since the well is located within 460' of the drilling unit boundary. Dominion Exploration & Production, Inc. is the only owner and operator within 460' of the proposed well and all points along the intended well bore path.

RECEIVED  
SEP 01 2006 **CONFIDENTIAL**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Don Hamilton Don Hamilton TITLE Agent for Dominion DATE August 17, 2005

**NOTICE OF APPROVAL** **CONDITIONS OF APPROVAL ATTACHED**

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:

APPROVED BY [Signature] TITLE Assistant Field Manager DATE 8-18-2006  
Lands & Mineral Resources

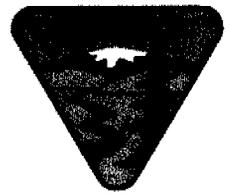
**\*See Instructions On Reverse Side**

18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency or the



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 Expl. & Prod., Inc. Location: Lot 1, Sec 4, T10S, R19E  
Well No: RBU 1-4E Lease No: UTU-013792  
API No: 43-047-37032 Agreement: Riverbend WS MV AB

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
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:	Charlie Sharp	Office: 435-781-4486	
Natural Resource Specialist:	Chris Carusona	Office: 435-781-4441	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
<b>After Hours Contact Number:</b>	<b>435-781-4513</b>	<b>Fax:</b>	<b>435-781-4410</b>

**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 Petroleum Engineer) - Twenty-Four (24) hours prior to spudding the well.
- Casing String & Cementing (Notify Jamie Sparger) - Twenty-Four (24) hours prior to running casing and cementing all casing strings.
- BOP & Related Equipment Tests (Notify Jamie Sparger) - Twenty-Four (24) hours prior to initiating pressure tests.
- First Production Notice (Notify Petroleum Engineer) - 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 APD.

**Paleontology**

1. Do not disturb the surface or place topsoil stockpile materials on the east side of the reserve pit area. The topsoil piles will be placed in other locations adjacent to the pad.
2. 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 respreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

3. The interim seed mix for reclamation will be:

Crested Wheatgrass	<i>Agropyron cristatum</i>	4 lbs. /acre
Western wheat grass	<i>Agropyron smithii</i>	4 lbs. /acre
Needle and thread grass	<i>Stipa comata</i>	4 lbs. /acre

4. 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.
5. 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 respread over the surface; and, the surface revegetated. 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**

1. None.

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

1. 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.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall 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 shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall 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.

5. All shows of fresh water and minerals shall be reported and protected. A sample shall be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
6. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall 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 shall be obtained and notification given before resumption of operations.

7. Chronologic drilling progress reports shall 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 shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall 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, shall 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 shall 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.

8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall 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, shall 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) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

**Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

9. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall 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.

10. Oil and gas meters shall 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 shall 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.
11. 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.
12. This APD is approved subject to the requirement that, should 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:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location ( $\frac{1}{4}$ / $\frac{1}{4}$ , Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. 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).
  - f. 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.
  - g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.
13. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
14. 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, shall 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

15. 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.
  
16. 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.

**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



# 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

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

**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: Dominion Exploration & Production, Inc.

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: 5' FNL & 259' FEL COUNTY: Uintah  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 4 10S 19E S STATE: UTAH

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 1-4E

9. API NUMBER: 4304737032

10. FIELD AND POOL, OR WILDCAT: Hill Creek

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

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

Dominion Exploration & Production, Inc. hereby requests a one year extension of the state permit for the referenced well  
This is the second extension that has been requested.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 08-20-07  
By: [Signature]

NAME (PLEASE PRINT) Don Hamilton TITLE Agent for Dominion Exploration & Production, Inc.  
SIGNATURE Don Hamilton DATE 8/16/2007

(This space for State use only)

RECEIVED TO OPERATIONS  
8-21-07  
RM

RECEIVED  
AUG 20 2007

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

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

**API:** 4304737032  
**Well Name:** RBU 1-4E  
**Location:** NE NE 4 10S-19E 5' FNL & 259' FEL  
**Company Permit Issued to:** DOMINION EXPL & PROD INC  
**Date Original Permit Issued:** 8/29/2005

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

Den Hamilton  
Signature

8/16/2007  
Date

Title: Agent

Representing: DOMINION EXPL & PROD INC

RECEIVED  
AUG 20 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	SESW	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	SESW	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

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
--	--

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/6/2007
- 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:**



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410

<http://www.blm.gov/ut/st/en/fo/vernal/html>



IN REPLY REFER TO:

3160

UT08300

June 6, 2008

Ken Secrest  
XTO Energy, Inc.  
PO Box 1360  
Roosevelt, UT 84066

43-047-37032

Re: Notice of Expiration  
Well No. RBU 1-4E  
NENE, Sec. 4, T10S, R19E  
Uintah County, Utah  
Lease No. UTU-013792  
River Bend Unit

Dear Ken:

The Application for Permit to Drill (APD) the above-referenced well was approved on August 18, 2006. A one (1) year extension of the original APD was requested. The first request was received on August 27, 2007 and returned to operator August 29, 2007. The second request was received on September 4, 2007 and the extension request was denied on September 10, 2007 because the APD expired August 18, 2007. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact me at (435) 781-4455.

Sincerely,

*Cindy Severson*

Cindy Severson  
Land Law Examiner

RECEIVED

JUN 12 2008

DIV. OF OIL, GAS & MINING

cc: UDOGM  
Don Hamilton  
Brenda Waller

**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:  
**River Bend Unit**

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

8. WELL NAME and NUMBER:  
**RBU 1-4E**

2. NAME OF OPERATOR:  
**XTO Energy, Inc.**

9. API NUMBER:  
**4304737032**

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

PHONE NUMBER:  
**(435) 722-4521**

10. FIELD AND POOL, OR WILDCAT:  
**Hill Creek**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **5' FNL & 259' FEL** COUNTY: **Uintah**  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NENE 4 10S 19E S** STATE: **UTAH**

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

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

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

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

Approved by the  
Utah Division of  
Oil, Gas and Mining

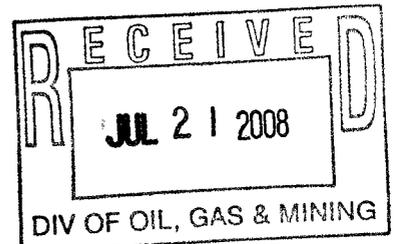
Date: 07-21-08  
By: [Signature]

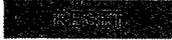
NAME (PLEASE PRINT) Kendell Johnson TITLE Agent for XTO Energy, Inc.  
SIGNATURE [Signature] DATE 7/21/2008

(This space for State use only)

COPY SENT TO OPERATOR  
(5/2000) Date: 7-23-2008  
Initials: KS

(See Instructions on Reverse Side)





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

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

**API:** 4304737032  
**Well Name:** RBU 1-4E  
**Location:** NE NE 4 10S-19E 5' FNL & 259' FEL  
**Company Permit Issued to:** XTO Energy, Inc.  
**Date Original Permit Issued:** 8/29/2005

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

Kendell Johnson  
Signature

7/21/2008  
Date

Title: Agent

Representing: XTO Energy, Inc.

<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
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<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 1-4E
------------------------------------	---

<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047370320000
---	---

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

<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0005 FNL 0259 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 04 Township: 10.0S Range: 19.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/21/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____

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

XTO hereby requests a one year extension of the State Permit for the referenced well.

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

**Date:** August 04, 2009

**By:**

<b>NAME (PLEASE PRINT)</b> Eden Fine	<b>PHONE NUMBER</b> 505 333-3664	<b>TITLE</b> Permitting Clerk
<b>SIGNATURE</b> N/A		<b>DATE</b> 7/31/2009



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047370320000**

**API:** 43047370320000

**Well Name:** RBU 1-4E

**Location:** 0005 FNL 0259 FEL QTR NENE SEC 04 TWP 100S RNG 190E MER S

**Company Permit Issued to:** XTO ENERGY INC

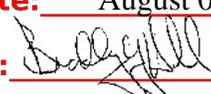
**Date Original Permit Issued:** 8/29/2005

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 rightof- 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

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

**Signature:** Eden Fine                      **Date:** 7/31/2009  
**Title:** Permitting Clerk **Representing:** XTO ENERGY INC

**Date:** August 04, 2009  
**By:** 

<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 1-4E
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047370320000
<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</b> <b>FOOTAGES AT SURFACE:</b> 0005 FNL 0259 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 04 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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/29/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

XTO hereby requests a one year extension on the State permit for the referenced well.

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

**Date:** August 23, 2010  
**By:** 

<b>NAME (PLEASE PRINT)</b> Eden Fine	<b>PHONE NUMBER</b> 505 333-3664	<b>TITLE</b> Permitting Clerk
<b>SIGNATURE</b> N/A		<b>DATE</b> 8/23/2010



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047370320000**

**API:** 43047370320000

**Well Name:** RBU 1-4E

**Location:** 0005 FNL 0259 FEL QTR NENE SEC 04 TWP 100S RNG 190E MER S

**Company Permit Issued to:** XTO ENERGY INC

**Date Original Permit Issued:** 8/29/2005

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 rightof- 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

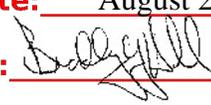
**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Eden Fine

**Date:** 8/23/2010

**Title:** Permitting Clerk **Representing:** XTO ENERGY INC

**Date:** August 23, 2010

**By:** 

**RECEIVED** August 23, 2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-013792
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> RBU 1-4E	
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047370320000	
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0005 FNL 0259 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 04 Township: 10.0S Range: 19.0E Meridian: S	<b>COUNTY:</b> UINTAH	
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/8/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<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 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 checked="" type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER                                  OTHER: <input style="width: 50px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
XTO Energy hereby requests a one (1) year extension of the State APD for the referenced well.		
<p style="color: red; font-weight: bold; margin: 0;">Approved by the Utah Division of Oil, Gas and Mining</p> <p style="color: red; font-weight: bold; margin: 0;">Date: <u>08/09/2011</u></p> <p style="color: red; font-weight: bold; margin: 0;">By: <u></u></p>		
<b>NAME (PLEASE PRINT)</b> Krista Wilson	<b>PHONE NUMBER</b> 505 333-3647	<b>TITLE</b> Permitting Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/8/2011	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43047370320000**

**API:** 43047370320000

**Well Name:** RBU 1-4E

**Location:** 0005 FNL 0259 FEL QTR NENE SEC 04 TWP 100S RNG 190E MER S

**Company Permit Issued to:** XTO ENERGY INC

**Date Original Permit Issued:** 8/29/2005

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 rightof- 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:** Krista Wilson

**Date:** 8/8/2011

**Title:** Permitting Tech **Representing:** XTO ENERGY INC

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <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 1-4E
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047370320000
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3145 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0005 FNL 0259 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 04 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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/31/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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 checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width:100px;" type="text"/>

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

XTO Energy requests a one (1) year extension of the State APD for the referenced well.

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

**Date:** August 28, 2012

**By:**

<b>NAME (PLEASE PRINT)</b> Richard L. Redus	<b>PHONE NUMBER</b> 303 397-3712	<b>TITLE</b> Regulatory
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/10/2012	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047370320000**

API: 43047370320000

Well Name: RBU 1-4E

Location: 0005 FNL 0259 FEL QTR NENE SEC 04 TWNP 100S RNG 190E MER S

Company Permit Issued to: XTO ENERGY INC

Date Original Permit Issued: 8/29/2005

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 rightof- 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: Richard L. Redus

Date: 8/10/2012

Title: Regulatory

Representing: XTO ENERGY INC

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<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>1. TYPE OF WELL</b> Gas Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-013792
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155	<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>PHONE NUMBER:</b> 303 397-3727 Ext	<b>8. WELL NAME and NUMBER:</b> RBU 1-4E
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0005 FNL 0259 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 04 Township: 10.0S Range: 19.0E Meridian: S	<b>9. API NUMBER:</b> 43047370320000
	<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

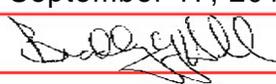
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/1/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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 checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

XTO Energy requests a one (1) year extension of the State APD for the referenced well.

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

**Date:** September 17, 2013

**By:** 

<b>NAME (PLEASE PRINT)</b> Sephra Baca	<b>PHONE NUMBER</b> 719 845-2103	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/11/2013	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047370320000**

API: 43047370320000

Well Name: RBU 1-4E

Location: 0005 FNL 0259 FEL QTR NENE SEC 04 TWNP 100S RNG 190E MER S

Company Permit Issued to: XTO ENERGY INC

Date Original Permit Issued: 8/29/2005

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- 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: Sephra Baca

Date: 9/11/2013

Title: Regulatory Analyst Representing: XTO ENERGY INC

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	<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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>6/16/2015</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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**Approved by the  
 Utah Division of  
 Oil, Gas and Mining  
 June 17, 2014**

**Date:** \_\_\_\_\_  
**By:**

<b>NAME (PLEASE PRINT)</b> Malia Villers	<b>PHONE NUMBER</b> 303 397-3670	<b>TITLE</b> Lead Permitting Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/17/2014	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

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Signature: Malia Villers

Date: 6/17/2014

Title: Lead Permitting Analyst Representing: XTO ENERGY INC