

November 23, 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 2-21F**

*Surface Location:* 646' FSL & 1,877' FEL, SW/4 SE/4, Section 16,  
*Target Location:* 326' FNL, 1,990' FEL, NW/4 NE/4, Section 21,  
T10S, R20E, 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 tribal directional well. 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. 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  
Bucky Secakuku, BIA—Uintah & Ouray Agency  
Carla Christian, Dominion

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

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

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. U-013793-A
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name Ute Indian Tribe
2. Name of Operator Dominion Exploration & Production, Inc.		7. If Unit or CA Agreement, Name and No. River Bend Unit
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134		8. Lease Name and Well No. RBU 2-21F
3b. Phone No. (include area code) 405-749-5263		9. API Well No. 43-047-37323
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 646' FSL & 1,877' FEL, SW/4 SE/4, Section 16, At proposed prod. zone 326' FNL, 1,990' FEL, NW/4 NE/4, Section 21,		10. Field and Pool, or Exploratory Natural Buttes
14. Distance in miles and direction from nearest town or post office* 10.14 miles south of Ouray, Utah		11. Sec., T. R. M. or Bk. and Survey or Area T10S, R20E, SLB&M
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 646'	16. No. of acres in lease 1,600 acres	17. Spacing Unit dedicated to this well 40 acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 25'	19. Proposed Depth 8,350' (8,480' MID)	20. BLM/BIA Bond No. on file 76S 63050 0330
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,034' GR	22. Approximate date work will start* 03/01/2006	23. Estimated duration 14 days

24. Attachments

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

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

25. Signature <i>Don Hamilton</i>	Name (Printed/Typed) Don Hamilton	Date 11/23/2005
Title Agent for Dominion		
Approved by (Signature) <i>Bradley G Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 11-29-05
Title ENVIRONMENTAL SCIENTIST III		

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

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

\*(Instructions on page 2)

**Federal Approval of this  
Action is Necessary**

Surf 613888X  
4421960Y  
39.94200  
-109.66697

BHC 613854X  
4421664Y  
39.93933  
-109.66742

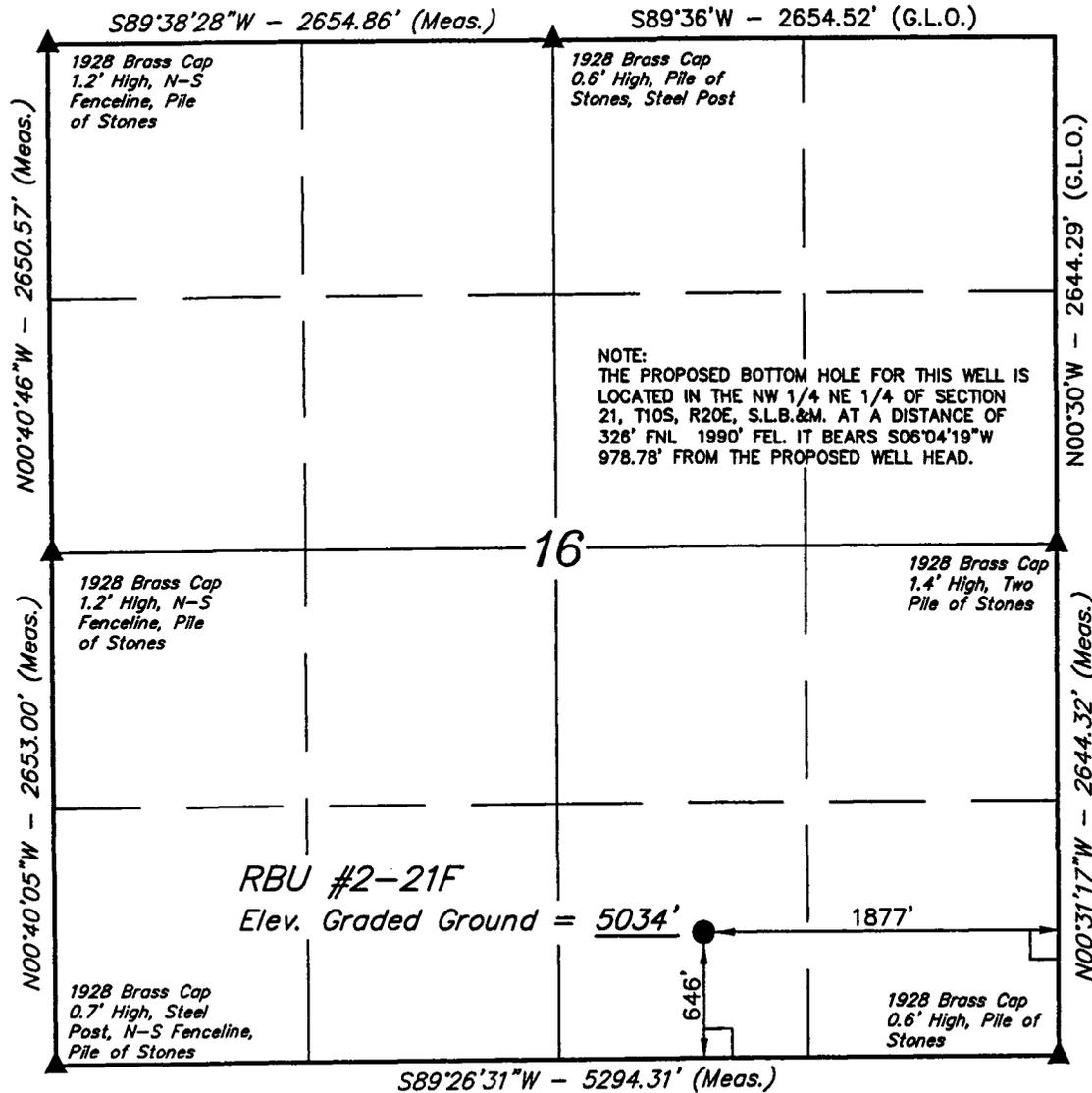
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# T10S, R20E, S.L.B.&M.

## DOMINION EXPLR. & PROD., INC.

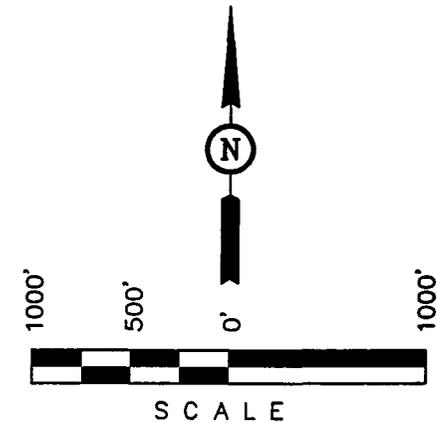
Well location, RBU #2-21F, located as shown in the SW 1/4 SE 1/4 of Section 16, T10S, R20E, S.L.B.&M. Uintah County Utah.



NOTE:  
THE PROPOSED BOTTOM HOLE FOR THIS WELL IS LOCATED IN THE NW 1/4 NE 1/4 OF SECTION 21, T10S, R20E, S.L.B.&M. AT A DISTANCE OF 326' FNL 1990' FEL. IT BEARS S06°04'19\"/>

### BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R19E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



### CERTIFICATE

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

*Robert L. Hay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

Revised: 9-27-05

### LEGEND:

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

### BASIS OF BEARINGS

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

(NAD 83)  
LATITUDE = 39°56'30.84" (39.941900)  
LONGITUDE = 109°40'03.25" (109.667569)  
(NAD 27)  
LATITUDE = 39°56'30.97" (39.941936)  
LONGITUDE = 109°40'00.76" (109.666878)

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

SCALE 1" = 1000'	DATE SURVEYED: 8-11-05	DATE DRAWN: 8-16-05
PARTY B.B. J.R. K.G.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE DOMINION EXPLR. & PROD., INC	

# DRILLING PLAN

## APPROVAL OF OPERATIONS

### Attachment for Permit to Drill

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 2-21F  
SHL: 646' FSL & 1877' FEL, Section 16-10S-20E  
BHL: 326' FNL & 1990' FEL, Section 21-10S-20E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah
2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,010'
Uteland Limestone	4,350'
Wasatch	4,500'
Chapita Wells	5,410'
Uteland Buttes	6,610'
Mesaverde	7,475'

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

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,010'	Oil
Uteland Limestone	4,350'	Oil
Wasatch	4,500'	Gas
Chapita Wells	5,410'	Gas
Uteland Buttes	6,610'	Gas
Mesaverde	7,475'	Gas

4. PROPOSED CASING PROGRAM

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

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	LTC	0'	2,800'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,350'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

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

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

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## DRILLING PLAN

### APPROVAL OF OPERATIONS

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

The BOP equipment will be pressure tested prior to drilling 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 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' – 500'	8.4	Air foam mist, no pressure control
500' – 2,800'	8.6	Fresh water, rotating head and diverter
2,800' – 8,350'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contact ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 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 intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

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

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

#### 11. WATER SUPPLY

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

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**DRILLING PLAN**

**APPROVAL OF OPERATIONS**

**12. CEMENT SYSTEMS**

**a. Surface Cement:**

Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Poly-E-Flakes (volume includes 40% excess). Top out if necessary with Top Out cement listed below.

**b. Intermediate Casing Cement:**

- Drill 12-1/4" hole to 2,800'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug two joints off bottom e) bottom three joints thread locked f) pump job with bottom plug only.
- Cement to surface not required due to surface casing set deeper than normal.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole Volume</u>	<u>Cement Volume</u>	<u>Excess</u>
Lead	300	0'-2,000'	11.0 ppg	3.82 CFS	658 CF	1,152 CF	75%
Tail	390	2,000'-2,800'	15.6 ppg	1.20 CFS	268 CF	469 CF	75%

**Lead Mix:** Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.82 cf/sack      Slurry weight: 11.00 #/gal.  
Water requirement: 22.95 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

**Tail Mix:** Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.  
Pump Time: 1 hr. 5 min. @ 90 °F.  
Compressives @ 95 °F: 24 Hour is 4,700 psi

**c. Production Casing Cement:**

- Drill 7-7/8" hole to 8,350'±, run and cement 5 1/2".
- Cement interface is at 3,700', 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.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole Volume</u>	<u>Cement Volume</u>	<u>Excess</u>
Lead	90	3,700'-4,500'	11.5 ppg	3.12 CFS	139 CF	277 CF	100%
Tail	600	4,500'-8,350'	13.0 ppg	1.75 CFS	525 CF	1050 CF	100%

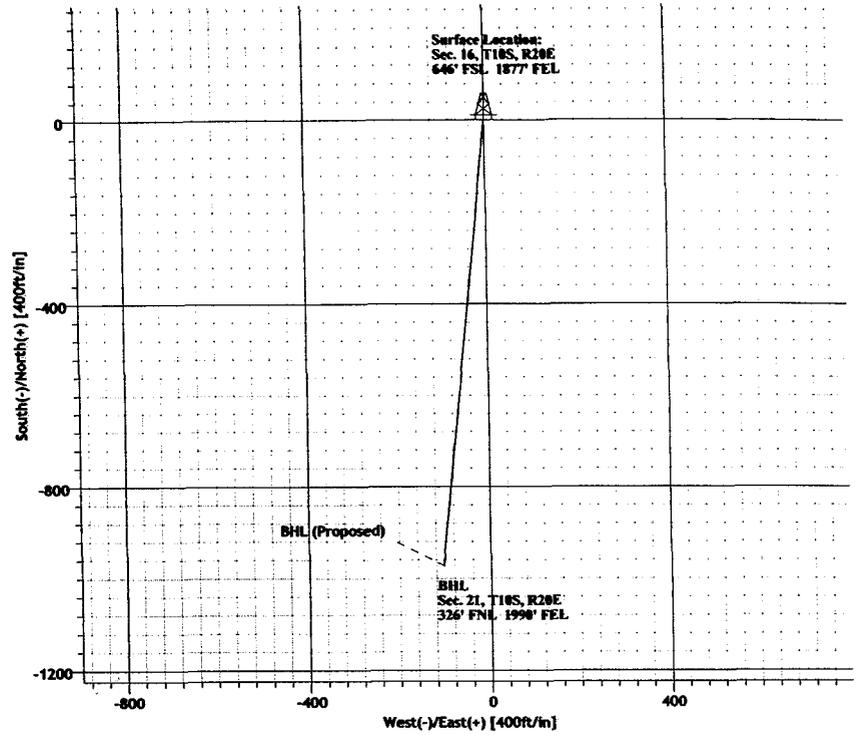
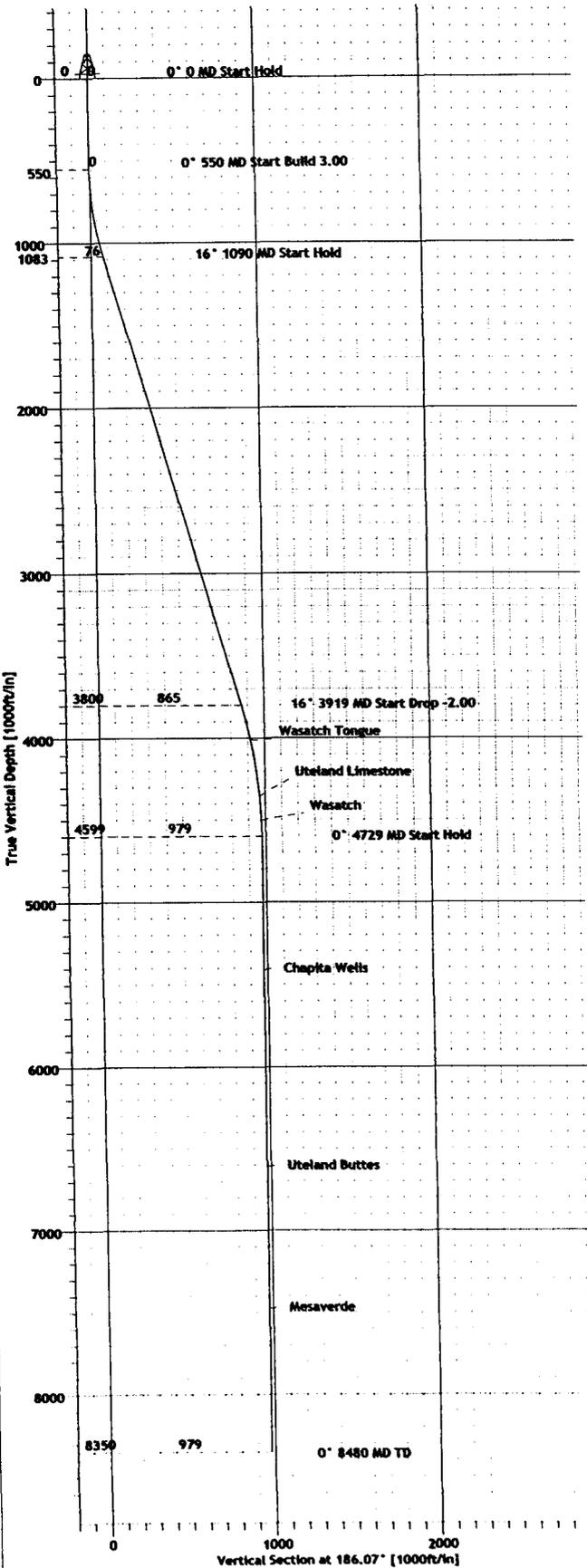
Note: Caliper will be run to determine exact cement volume.

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

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

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

Starting Date: March 1, 2005  
Duration: 14 Days



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	186.07	0.00	0.00	0.00	0.00	0.00	0.00	
2	550.00	0.00	186.07	550.00	0.00	0.00	0.00	186.07	0.00	
3	1089.91	16.20	186.07	1082.75	-75.38	-8.02	3.00	186.07	75.81	
4	3919.35	16.20	186.07	3799.88	-860.22	-91.50	0.00	0.00	865.07	
5	4729.22	0.00	186.07	4599.00	-973.29	-103.53	2.00	180.00	978.78	
6	8480.22	0.00	186.07	8350.00	-973.29	-103.53	0.00	186.07	978.78	

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
RBU 2-21F	0.00	0.00	7152837.67	2154148.04	39°56'30.840N	109°40'03.250W	N/A

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	4010.00	4135.99	Wasatch Tongue
2	4350.00	4479.90	Uteland Limestone
3	4500.00	4630.20	Wasatch
4	5410.00	5540.22	Chapita Wells
5	6610.00	6740.22	Uteland Buttes
6	7475.00	7605.22	Mesaverde

WELLPATH DETAILS

1			
Rig:	est.KB @ 5050'		0.00ft
Ref. Datum:			
V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
186.07°	0.00	0.00	0.00

REFERENCE INFORMATION

Co-ordinate (NE): Reference: Site Centre RBU 2-21F, True North  
Vertical (TVD) Reference: est.KB @ 5050' 0.00  
Section (VS) Reference: Site Centre (0.00N,0.00E)  
Measured Depth Reference: est.KB @ 5050' 0.00  
Calculation Method: Minimum Curvature



Azimuths to True North  
Magnetic North: 11.86°

Magnetic Field Strength: 52894nT  
Dip Angle: 65.93°  
Date: 10/3/2005  
Model: igr2005

FIELD DETAILS

Natural Buttes Field  
Utah 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 2-21F  
River Bend Unit  
Sec. 16, T10S, R20E  
Site Centre Latitude: 39°56'30.840N  
Longitude: 109°40'03.250W  
Ground Level: 5034.00  
Positional Uncertainty: 0.00  
Convergence: 1.17



# Ryan Energy Technologies Planning Report



<b>Company:</b> Dominion E & P	<b>Date:</b> 10/3/2005	<b>Time:</b> 12:03:21	<b>Page:</b> 1
<b>Field:</b> Natural Buttes Field	<b>Co-ordinate(N/E) Reference:</b> RBU 2-21F, True North		
<b>Site:</b> RBU 2-21F	<b>Vertical (TVD) Reference:</b> est.KB @ 5050' 0.0		
<b>Well:</b> RBU 2-21F	<b>Section (VS) Reference:</b> Site (0.00N,0.00E,186.07Azi)		
<b>Wellpath:</b> 1	<b>Plan:</b>	<b>Plan #1</b>	

<b>Field:</b> Natural Buttes Field Uintah County, Utah USA <b>Map System:</b> US State Plane Coordinate System 1983 <b>Geo Datum:</b> GRS 1980 <b>Sys Datum:</b> Mean Sea Level	<b>Map Zone:</b> Utah, Central Zone <b>Coordinate System:</b> Site Centre <b>Geomagnetic Model:</b> igrf2005
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<b>Site:</b> RBU 2-21F River Bend Unit Sec. 16, T10S, R20E			
<b>Site Position:</b>	<b>Northing:</b> 7152837.67 ft	<b>Latitude:</b> 39 56 30.840 N	
<b>From:</b> Geographic	<b>Easting:</b> 2154148.04 ft	<b>Longitude:</b> 109 40 3.250 W	
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> True	
<b>Ground Level:</b> 5034.00 ft		<b>Grid Convergence:</b> 1.17 deg	

<b>Well:</b> RBU 2-21F		<b>Slot Name:</b>	
<b>Surface Position:</b> +N/-S 0.00 ft	<b>Northing:</b> 7152837.67 ft	<b>Latitude:</b> 39 56 30.840 N	
+E/-W 0.00 ft	<b>Easting:</b> 2154148.04 ft	<b>Longitude:</b> 109 40 3.250 W	
<b>Position Uncertainty:</b> 0.00 ft			
<b>Reference Point:</b> +N/-S 0.00 ft	<b>Northing:</b> 7152837.67 ft	<b>Latitude:</b> 39 56 30.840 N	
+E/-W 0.00 ft	<b>Easting:</b> 2154148.04 ft	<b>Longitude:</b> 109 40 3.250 W	
	<b>Measured Depth:</b> 0.00 ft	<b>Inclination:</b> 0.00 deg	
	<b>Vertical Depth:</b> 0.00 ft	<b>Azimuth:</b> 0.00 deg	

<b>Wellpath:</b> 1		<b>Drilled From:</b> Well Ref. Point
<b>Current Datum:</b> est.KB @ 5050'	<b>Height:</b> 0.00 ft	<b>Tie-on Depth:</b> 0.00 ft
<b>Magnetic Data:</b> 10/3/2005		<b>Above System Datum:</b> Mean Sea Level
<b>Field Strength:</b> 52894 nT		<b>Declination:</b> 11.86 deg
<b>Vertical Section: Depth From (TVD)</b>	<b>+N/-S</b>	<b>Mag Dip Angle:</b> 65.93 deg
ft	ft	<b>+E/-W</b>
		<b>Direction</b>
		deg
0.00	0.00	0.00
		186.07

<b>Plan:</b> Plan #1	<b>Date Composed:</b> 10/3/2005
<b>Principal:</b> Yes	<b>Version:</b> 1
	<b>Tied-to:</b> 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	186.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
550.00	0.00	186.07	550.00	0.00	0.00	0.00	0.00	0.00	186.07	
1089.91	16.20	186.07	1082.75	-75.38	-8.02	3.00	3.00	0.00	186.07	
3919.35	16.20	186.07	3799.88	-860.22	-91.50	0.00	0.00	0.00	0.00	
4729.22	0.00	186.07	4599.00	-973.29	-103.53	2.00	-2.00	0.00	180.00	
8480.22	0.00	186.07	8350.00	-973.29	-103.53	0.00	0.00	0.00	186.07	

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	186.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	186.07	100.00	0.00	0.00	0.00	0.00	0.00	0.00	186.07
200.00	0.00	186.07	200.00	0.00	0.00	0.00	0.00	0.00	0.00	186.07
300.00	0.00	186.07	300.00	0.00	0.00	0.00	0.00	0.00	0.00	186.07
400.00	0.00	186.07	400.00	0.00	0.00	0.00	0.00	0.00	0.00	186.07
500.00	0.00	186.07	500.00	0.00	0.00	0.00	0.00	0.00	0.00	186.07
550.00	0.00	186.07	550.00	0.00	0.00	0.00	0.00	0.00	0.00	186.07

Section 2 : Start Build 3.00										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
600.00	1.50	186.07	599.99	-0.65	-0.07	0.65	3.00	3.00	0.00	0.00
700.00	4.50	186.07	699.85	-5.85	-0.62	5.89	3.00	3.00	0.00	0.00



<b>Company:</b> Dominion E & P <b>Field:</b> Natural Buttes Field <b>Site:</b> RBU 2-21F <b>Well:</b> RBU 2-21F <b>Wellpath:</b> 1	<b>Date:</b> 10/3/2005 <b>Time:</b> 12:03:21 <b>Page:</b> 2 <b>Co-ordinate(NE) Reference:</b> RBU 2-21F, True North <b>Vertical (TVD) Reference:</b> KB @ 5050' 0.0 <b>Section (VS) Reference:</b> Site (0.00N,0.00E,186.07Azi) <b>Plan:</b> Plan #1
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**Section 2 : Start Build 3.00**

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
800.00	7.50	186.07	799.29	-16.25	-1.73	16.34	3.00	3.00	0.00	0.00
900.00	10.50	186.07	898.04	-31.80	-3.38	31.98	3.00	3.00	0.00	0.00
1000.00	13.50	186.07	995.85	-52.47	-5.58	52.77	3.00	3.00	0.00	0.00
1089.91	16.20	186.07	1082.75	-75.38	-8.02	75.81	3.00	3.00	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
1100.00	16.20	186.07	1092.44	-78.18	-8.32	78.62	0.00	0.00	0.00	0.00
1200.00	16.20	186.07	1188.47	-105.92	-11.27	106.52	0.00	0.00	0.00	0.00
1300.00	16.20	186.07	1284.50	-133.66	-14.22	134.41	0.00	0.00	0.00	0.00
1400.00	16.20	186.07	1380.53	-161.40	-17.17	162.31	0.00	0.00	0.00	0.00
1500.00	16.20	186.07	1476.56	-189.13	-20.12	190.20	0.00	0.00	0.00	0.00
1600.00	16.20	186.07	1572.59	-216.87	-23.07	218.10	0.00	0.00	0.00	0.00
1700.00	16.20	186.07	1668.62	-244.61	-26.02	245.99	0.00	0.00	0.00	0.00
1800.00	16.20	186.07	1764.65	-272.35	-28.97	273.88	0.00	0.00	0.00	0.00
1900.00	16.20	186.07	1860.68	-300.09	-31.92	301.78	0.00	0.00	0.00	0.00
2000.00	16.20	186.07	1956.71	-327.82	-34.87	329.67	0.00	0.00	0.00	0.00
2100.00	16.20	186.07	2052.74	-355.56	-37.82	357.57	0.00	0.00	0.00	0.00
2200.00	16.20	186.07	2148.77	-383.30	-40.77	385.46	0.00	0.00	0.00	0.00
2300.00	16.20	186.07	2244.81	-411.04	-43.72	413.36	0.00	0.00	0.00	0.00
2400.00	16.20	186.07	2340.84	-438.78	-46.67	441.25	0.00	0.00	0.00	0.00
2500.00	16.20	186.07	2436.87	-466.51	-49.62	469.15	0.00	0.00	0.00	0.00
2600.00	16.20	186.07	2532.90	-494.25	-52.57	497.04	0.00	0.00	0.00	0.00
2700.00	16.20	186.07	2628.93	-521.99	-55.52	524.94	0.00	0.00	0.00	0.00
2800.00	16.20	186.07	2724.96	-549.73	-58.48	552.83	0.00	0.00	0.00	0.00
2900.00	16.20	186.07	2820.99	-577.47	-61.43	580.72	0.00	0.00	0.00	0.00
3000.00	16.20	186.07	2917.02	-605.21	-64.38	608.62	0.00	0.00	0.00	0.00
3100.00	16.20	186.07	3013.05	-632.94	-67.33	636.51	0.00	0.00	0.00	0.00
3200.00	16.20	186.07	3109.08	-660.68	-70.28	664.41	0.00	0.00	0.00	0.00
3300.00	16.20	186.07	3205.11	-688.42	-73.23	692.30	0.00	0.00	0.00	0.00
3400.00	16.20	186.07	3301.14	-716.16	-76.18	720.20	0.00	0.00	0.00	0.00
3500.00	16.20	186.07	3397.17	-743.90	-79.13	748.09	0.00	0.00	0.00	0.00
3600.00	16.20	186.07	3493.20	-771.63	-82.08	775.99	0.00	0.00	0.00	0.00
3700.00	16.20	186.07	3589.23	-799.37	-85.03	803.88	0.00	0.00	0.00	0.00
3800.00	16.20	186.07	3685.27	-827.11	-87.98	831.78	0.00	0.00	0.00	0.00
3900.00	16.20	186.07	3781.30	-854.85	-90.93	859.67	0.00	0.00	0.00	0.00
3919.35	16.20	186.07	3799.88	-860.22	-91.50	865.07	0.00	0.00	0.00	0.00

**Section 4 : Start Drop -2.00**

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4000.00	14.58	186.07	3877.63	-881.50	-93.77	886.47	2.00	-2.00	0.00	180.00
4100.00	12.58	186.07	3974.83	-904.85	-96.25	909.96	2.00	-2.00	0.00	180.00
4135.99	11.86	186.07	4010.00	-912.43	-97.06	917.58	2.00	-2.00	0.00	-180.00
4200.00	10.58	186.07	4072.79	-924.82	-98.37	930.04	2.00	-2.00	0.00	180.00
4300.00	8.58	186.07	4171.39	-941.38	-100.14	946.69	2.00	-2.00	0.00	180.00
4400.00	6.58	186.07	4270.51	-954.50	-101.53	959.89	2.00	-2.00	0.00	180.00
4479.90	4.99	186.07	4350.00	-962.51	-102.38	967.94	2.00	-2.00	0.00	180.00
4500.00	4.58	186.07	4370.03	-964.18	-102.56	969.62	2.00	-2.00	0.00	-180.00
4600.00	2.58	186.07	4469.83	-970.39	-103.22	975.87	2.00	-2.00	0.00	180.00
4630.20	1.98	186.07	4500.00	-971.59	-103.35	977.07	2.00	-2.00	0.00	180.00
4700.00	0.58	186.07	4569.78	-973.14	-103.51	978.63	2.00	-2.00	0.00	180.00
4729.22	0.00	186.07	4599.00	-973.29	-103.53	978.78	2.00	-2.00	0.00	-180.00

**Section 5 : Start Hold**

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4800.00	0.00	186.07	4669.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
4900.00	0.00	186.07	4769.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
5000.00	0.00	186.07	4869.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07



# Ryan Energy Technologies

## Planning Report



**Company:** Dominion E & P  
**Field:** Natural Buttes Field  
**Site:** RBU 2-21F  
**Well:** RBU 2-21F  
**Wellpath:** 1

**Date:** 10/3/2005 **Time:** 12:03:21 **Page:** 3  
**Co-ordinate(NE) Reference:** RBU 2-21F, True North  
**Vertical (TVD) Reference:** KB @ 5050' 0.0  
**Section (VS) Reference:** Site (0.00N,0.00E,186.07Azi)  
**Plan:** Plan #1

**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
5100.00	0.00	186.07	4969.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
5200.00	0.00	186.07	5069.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
5300.00	0.00	186.07	5169.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
5400.00	0.00	186.07	5269.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
5500.00	0.00	186.07	5369.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
5540.22	0.00	186.07	5410.00	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
5600.00	0.00	186.07	5469.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
5700.00	0.00	186.07	5569.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
5800.00	0.00	186.07	5669.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
5900.00	0.00	186.07	5769.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
6000.00	0.00	186.07	5869.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
6100.00	0.00	186.07	5969.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
6200.00	0.00	186.07	6069.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
6300.00	0.00	186.07	6169.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
6400.00	0.00	186.07	6269.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
6500.00	0.00	186.07	6369.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
6600.00	0.00	186.07	6469.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
6700.00	0.00	186.07	6569.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
6740.22	0.00	186.07	6610.00	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
6800.00	0.00	186.07	6669.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
6900.00	0.00	186.07	6769.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
7000.00	0.00	186.07	6869.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
7100.00	0.00	186.07	6969.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
7200.00	0.00	186.07	7069.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
7300.00	0.00	186.07	7169.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
7400.00	0.00	186.07	7269.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
7500.00	0.00	186.07	7369.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
7600.00	0.00	186.07	7469.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
7605.22	0.00	186.07	7475.00	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
7700.00	0.00	186.07	7569.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
7800.00	0.00	186.07	7669.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
7900.00	0.00	186.07	7769.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
8000.00	0.00	186.07	7869.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
8100.00	0.00	186.07	7969.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
8200.00	0.00	186.07	8069.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
8300.00	0.00	186.07	8169.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
8400.00	0.00	186.07	8269.78	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07
8480.22	0.00	186.07	8350.00	-973.29	-103.53	978.78	0.00	0.00	0.00	186.07

**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	186.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	186.07	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	186.07	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	186.07	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	186.07	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	186.07	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
550.00	0.00	186.07	550.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
600.00	1.50	186.07	599.99	-0.65	-0.07	0.65	3.00	3.00	0.00	
700.00	4.50	186.07	699.85	-5.85	-0.62	5.89	3.00	3.00	0.00	
800.00	7.50	186.07	799.29	-16.25	-1.73	16.34	3.00	3.00	0.00	
900.00	10.50	186.07	898.04	-31.80	-3.38	31.98	3.00	3.00	0.00	
1000.00	13.50	186.07	995.85	-52.47	-5.58	52.77	3.00	3.00	0.00	
1089.91	16.20	186.07	1082.75	-75.38	-8.02	75.81	3.00	3.00	0.00	
1100.00	16.20	186.07	1092.44	-78.18	-8.32	78.62	0.00	0.00	0.00	
1200.00	16.20	186.07	1188.47	-105.92	-11.27	106.52	0.00	0.00	0.00	
1300.00	16.20	186.07	1284.50	-133.66	-14.22	134.41	0.00	0.00	0.00	
1400.00	16.20	186.07	1380.53	-161.40	-17.17	162.31	0.00	0.00	0.00	
1500.00	16.20	186.07	1476.56	-189.13	-20.12	190.20	0.00	0.00	0.00	



# Ryan Energy Technologies

## Planning Report



**Company:** Dominion E & P  
**Field:** Natural Buttes Field  
**Site:** RBU 2-21F  
**Well:** RBU 2-21F  
**Wellpath:** 1

**Date:** 10/3/2005      **Time:** 12:03:21  
**Co-ordinate(NE) Reference:** RBU 2-21F, True North  
**Vertical (TVD) Reference:** KB @ 5050' 0.0  
**Section (VS) Reference:** Site (0.00N,0.00E,186.07Azi)  
**Plan:** Plan #1

**Page:** 4

**Survey**

MD ft	Incl deg	Azlm deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1600.00	16.20	186.07	1572.59	-216.87	-23.07	218.10	0.00	0.00	0.00	
1700.00	16.20	186.07	1668.62	-244.61	-26.02	245.99	0.00	0.00	0.00	
1800.00	16.20	186.07	1764.65	-272.35	-28.97	273.88	0.00	0.00	0.00	
1900.00	16.20	186.07	1860.68	-300.09	-31.92	301.78	0.00	0.00	0.00	
2000.00	16.20	186.07	1956.71	-327.82	-34.87	329.67	0.00	0.00	0.00	
2100.00	16.20	186.07	2052.74	-355.56	-37.82	357.57	0.00	0.00	0.00	
2200.00	16.20	186.07	2148.77	-383.30	-40.77	385.46	0.00	0.00	0.00	
2300.00	16.20	186.07	2244.81	-411.04	-43.72	413.36	0.00	0.00	0.00	
2400.00	16.20	186.07	2340.84	-438.78	-46.67	441.25	0.00	0.00	0.00	
2500.00	16.20	186.07	2436.87	-466.51	-49.62	469.15	0.00	0.00	0.00	
2600.00	16.20	186.07	2532.90	-494.25	-52.57	497.04	0.00	0.00	0.00	
2700.00	16.20	186.07	2628.93	-521.99	-55.52	524.94	0.00	0.00	0.00	
2800.00	16.20	186.07	2724.96	-549.73	-58.48	552.83	0.00	0.00	0.00	
2900.00	16.20	186.07	2820.99	-577.47	-61.43	580.72	0.00	0.00	0.00	
3000.00	16.20	186.07	2917.02	-605.21	-64.38	608.62	0.00	0.00	0.00	
3100.00	16.20	186.07	3013.05	-632.94	-67.33	636.51	0.00	0.00	0.00	
3200.00	16.20	186.07	3109.08	-660.68	-70.28	664.41	0.00	0.00	0.00	
3300.00	16.20	186.07	3205.11	-688.42	-73.23	692.30	0.00	0.00	0.00	
3400.00	16.20	186.07	3301.14	-716.16	-76.18	720.20	0.00	0.00	0.00	
3500.00	16.20	186.07	3397.17	-743.90	-79.13	748.09	0.00	0.00	0.00	
3600.00	16.20	186.07	3493.20	-771.63	-82.08	775.99	0.00	0.00	0.00	
3700.00	16.20	186.07	3589.23	-799.37	-85.03	803.88	0.00	0.00	0.00	
3800.00	16.20	186.07	3685.27	-827.11	-87.98	831.78	0.00	0.00	0.00	
3900.00	16.20	186.07	3781.30	-854.85	-90.93	859.67	0.00	0.00	0.00	
3919.35	16.20	186.07	3799.88	-860.22	-91.50	865.07	0.00	0.00	0.00	
4000.00	14.58	186.07	3877.63	-881.50	-93.77	886.47	2.00	-2.00	0.00	
4100.00	12.58	186.07	3974.83	-904.85	-96.25	909.96	2.00	-2.00	0.00	
4135.99	11.86	186.07	4010.00	-912.43	-97.06	917.58	2.00	-2.00	0.00	Wasatch Tongue
4200.00	10.58	186.07	4072.79	-924.82	-98.37	930.04	2.00	-2.00	0.00	
4300.00	8.58	186.07	4171.39	-941.38	-100.14	946.69	2.00	-2.00	0.00	
4400.00	6.58	186.07	4270.51	-954.50	-101.53	959.89	2.00	-2.00	0.00	
4479.90	4.99	186.07	4350.00	-962.51	-102.38	967.94	2.00	-2.00	0.00	Uteland Limestone
4500.00	4.58	186.07	4370.03	-964.18	-102.56	969.62	2.00	-2.00	0.00	
4600.00	2.58	186.07	4469.83	-970.39	-103.22	975.87	2.00	-2.00	0.00	
4630.20	1.98	186.07	4500.00	-971.59	-103.35	977.07	2.00	-2.00	0.00	Wasatch
4700.00	0.58	186.07	4569.78	-973.14	-103.51	978.63	2.00	-2.00	0.00	
4729.22	0.00	186.07	4599.00	-973.29	-103.53	978.78	2.00	-2.00	0.00	
4800.00	0.00	186.07	4669.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
4900.00	0.00	186.07	4769.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
5000.00	0.00	186.07	4869.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
5100.00	0.00	186.07	4969.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
5200.00	0.00	186.07	5069.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
5300.00	0.00	186.07	5169.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
5400.00	0.00	186.07	5269.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
5500.00	0.00	186.07	5369.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
5540.22	0.00	186.07	5410.00	-973.29	-103.53	978.78	0.00	0.00	0.00	Chapita Wells
5600.00	0.00	186.07	5469.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
5700.00	0.00	186.07	5569.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
5800.00	0.00	186.07	5669.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
5900.00	0.00	186.07	5769.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
6000.00	0.00	186.07	5869.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
6100.00	0.00	186.07	5969.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
6200.00	0.00	186.07	6069.78	-973.29	-103.53	978.78	0.00	0.00	0.00	



# Ryan Energy Technologies

## Planning Report



**Company:** Dominion E & P  
**Field:** Natural Buttes Field  
**Site:** RBU 2-21F  
**Well:** RBU 2-21F  
**Wellpath:** 1

**Date:** 10/3/2005      **Time:** 12:03:21  
**Co-ordinate(N/E) Reference:** Site: RBU 2-21F, True North  
**Vertical (TVD) Reference:** LKB @ 5050' 0.0  
**Section (VS) Reference:** Site (0.00N,0.00E,186.07Azi)  
**Plan:**                                      **Plan #1**

**Page:** 5

**Survey**

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6300.00	0.00	186.07	6169.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
6400.00	0.00	186.07	6269.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
6500.00	0.00	186.07	6369.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
6600.00	0.00	186.07	6469.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
6700.00	0.00	186.07	6569.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
6740.22	0.00	186.07	6610.00	-973.29	-103.53	978.78	0.00	0.00	0.00	Uteland Buttes
6800.00	0.00	186.07	6669.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
6900.00	0.00	186.07	6769.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
7000.00	0.00	186.07	6869.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
7100.00	0.00	186.07	6969.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
7200.00	0.00	186.07	7069.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
7300.00	0.00	186.07	7169.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
7400.00	0.00	186.07	7269.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
7500.00	0.00	186.07	7369.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
7600.00	0.00	186.07	7469.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
7605.22	0.00	186.07	7475.00	-973.29	-103.53	978.78	0.00	0.00	0.00	Mesaverde
7700.00	0.00	186.07	7569.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
7800.00	0.00	186.07	7669.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
7900.00	0.00	186.07	7769.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
8000.00	0.00	186.07	7869.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
8100.00	0.00	186.07	7969.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
8200.00	0.00	186.07	8069.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
8300.00	0.00	186.07	8169.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
8400.00	0.00	186.07	8269.78	-973.29	-103.53	978.78	0.00	0.00	0.00	
8480.22	0.00	186.07	8350.00	-973.29	-103.53	978.78	0.00	0.00	0.00	BHL (Proposed)

**Formations**

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4135.99	4010.00	Wasatch Tongue		0.00	0.00
4479.90	4350.00	Uteland Limestone		0.00	0.00
4630.20	4500.00	Wasatch		0.00	0.00
5540.22	5410.00	Chapita Wells		0.00	0.00
6740.22	6610.00	Uteland Buttes		0.00	0.00
7605.22	7475.00	Mesaverde		0.00	0.00

**Annotation**

MD ft	TVD ft	
550.00	550.00	KOP
8480.22	8350.00	BHL (Proposed)

**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 2-21F  
SHL: 646' FSL & 1877' FEL, Section 16-10S-20E  
BHL: 326' FNL & 1990' FEL, Section 21-10S-20E  
Uintah County, UT

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

The tribal onsite inspection for the referenced well was conducted on Wednesday, November 9, 2005 at approximately 10:30 am. In attendance at the onsite inspection were the following individuals:

Dustin Nephi	Technician	Ute Indian Tribe–Energy & Minerals
Nicole Mortensen	Environmental Protection Spec.	Uintah & Ouray Agency - BIA
Karl Wright	Nat. Res. Prot. Spec.	Bureau of Land Management – Vernal
Ken Secrest	Field Foreman	Dominion E & P, Inc.
Dave Weston	Engineer	Uintah Engineering and Land Surveying
Randy Jackson	Foreman	Jackson Construction
Lonnie Hogan	Foreman	LaRose Construction
Don Hamilton	Agent	Buys & Associates, Inc.

1. **Existing Roads:**

- a. The proposed well site is located approximately 10.14 miles south 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.
- h. A tribal right-of-way has been submitted for the wellsite, access and pipeline disturbances on Ute Indian Tribe surface.

2. Planned Access Roads:

- a. The RBU 2-21F utilizes the existing access to the HCU 14-16F in its entirety. No new access road is proposed with this application.

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 upgrade is associated with this application and is being applied for at this time. The existing gas pipeline corridor will be upgraded from 2' to 4" from the northeast side of the well site and traverse 1,300' northeast to the existing pipeline that presently services the RBU 16-16F.
- i. 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.

5. Location and Type of Water Supply:

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

6. Source of Construction Material:

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

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.
- b. Drill cuttings will be contained and buried on site.
- c. The reserve pit will be located outboard of the location and along the southeast 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 Ute Tribe 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 Tribal 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 Ute Indian Tribe. The Ute Indian Tribe recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

- a. Surface Ownership – Ute Indian Tribe under the management of the Bureau of Indian Affairs – Uintah and Ouray Agency, P.O. Box 130, 988 South 7500 East, Ft. Duchesne, Utah 84026, 435-722-4300.
- b. Mineral Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

12. Other Information:

- a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.
- b. Alden Hamblin has conducted a paleontological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Alden Hamblin.
- c. Our understanding of the results of the onsite inspection are:
  - a. No Threatened and Endangered flora and fauna species were found during the onsite inspection.
  - b. No drainage crossings that require additional State or Federal approval are being crossed.

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:

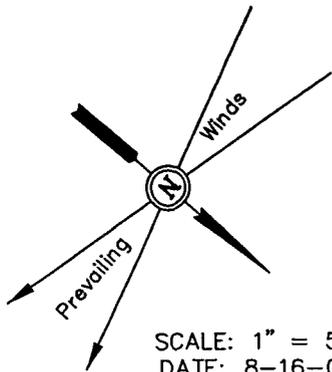
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated 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: 11-23-05

# DOMINION EXPLR. & PROD., INC.

## LOCATION LAYOUT FOR

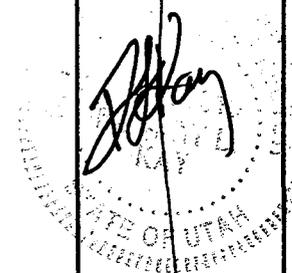
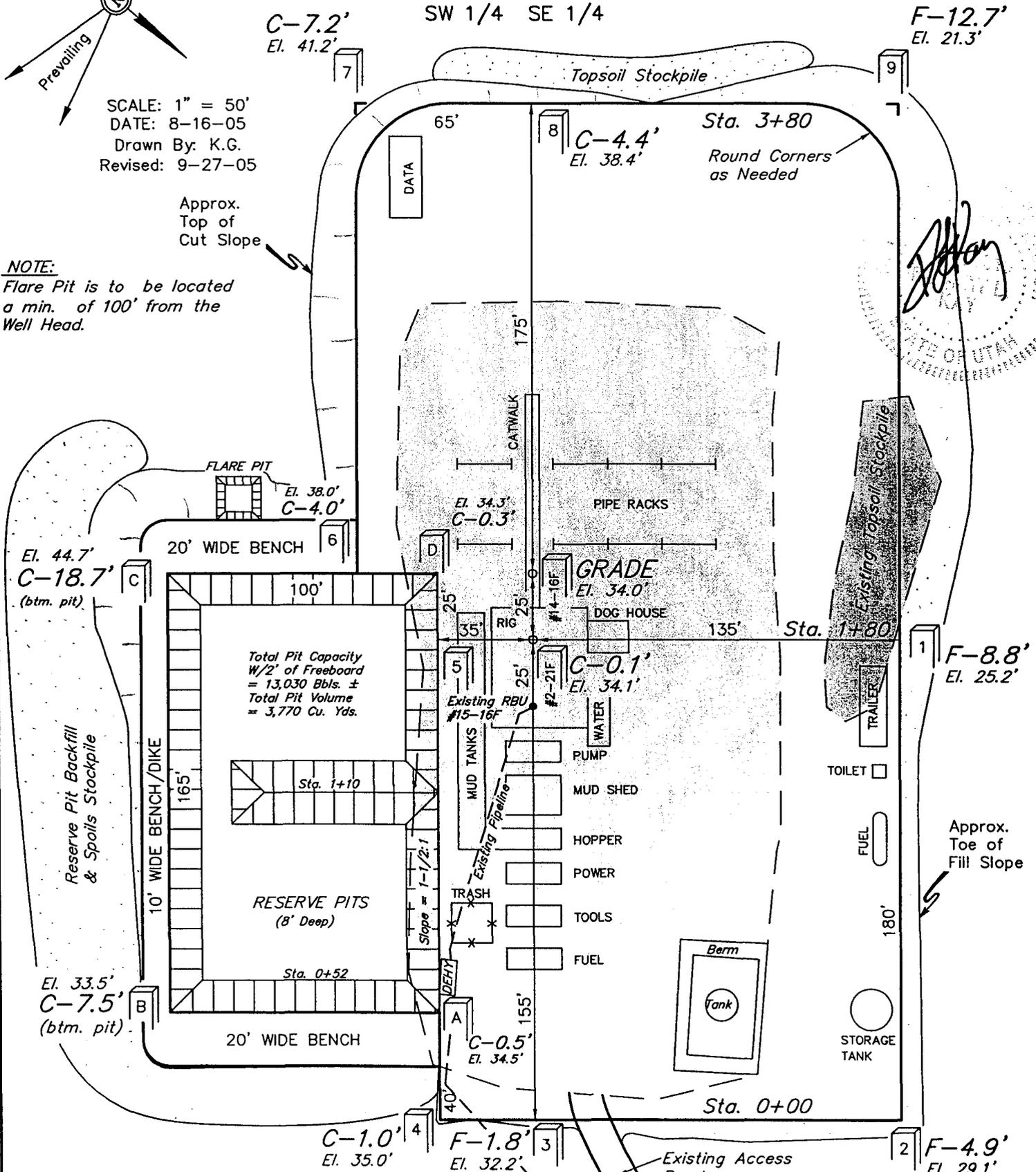
RBU #2-21F & #14-16F  
SECTION 16, T10S, R20E, S.L.B.&M.  
SW 1/4 SE 1/4



SCALE: 1" = 50'  
DATE: 8-16-05  
Drawn By: K.G.  
Revised: 9-27-05

Approx.  
Top of  
Cut Slope

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



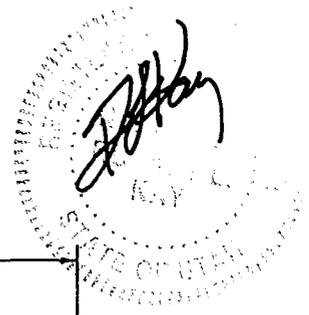
Elev. Ungraded Ground at #2-21F Location Stake = 5034.1'  
Elev. Graded Ground at #2-21F Location Stake = 5034.0'

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

# DOMINION EXPLR. & PROD., INC.

## TYPICAL CROSS SECTIONS FOR

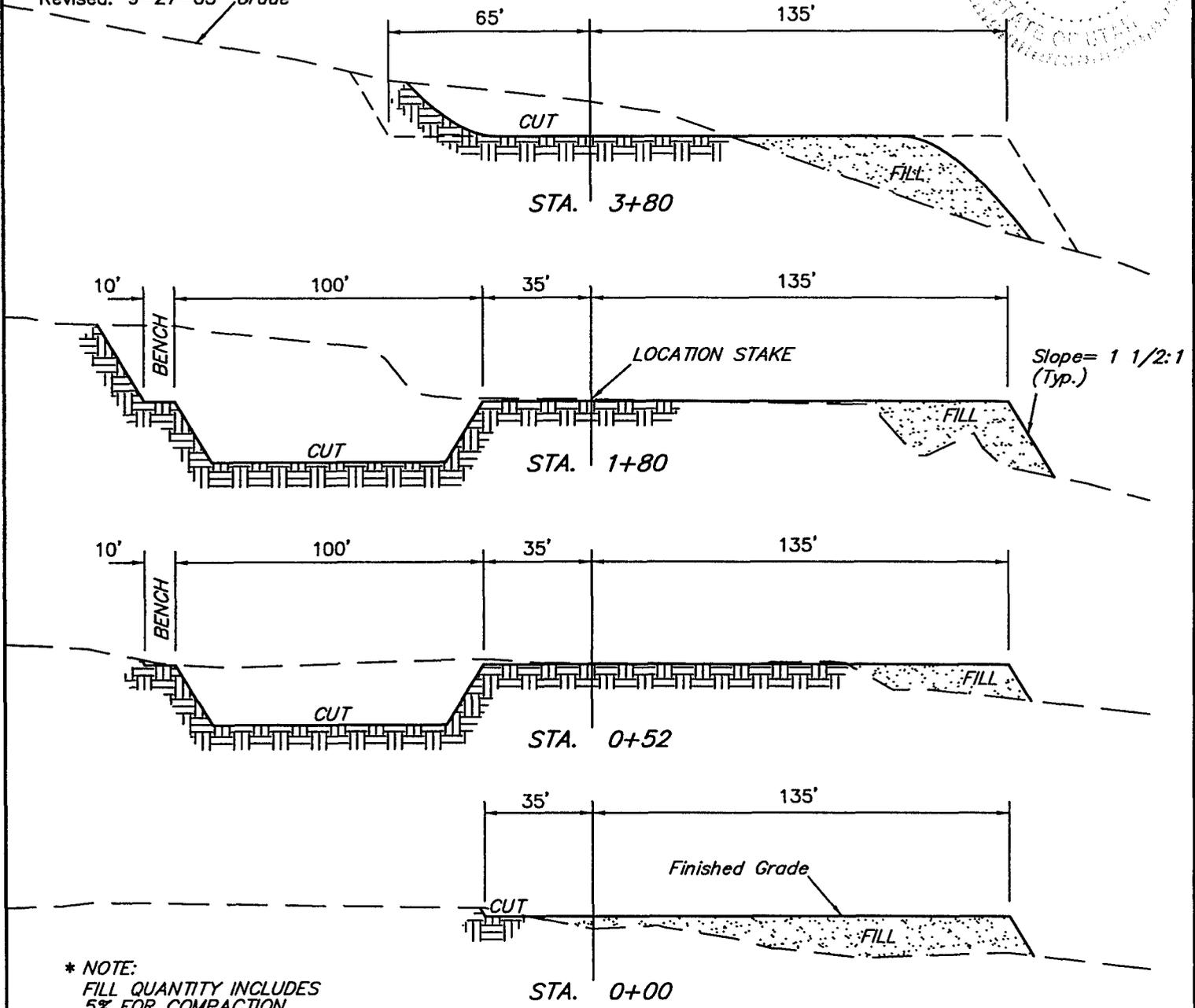
RBU #2-21F & #14-16F  
SECTION 16, T10S, R20E, S.L.B.&M.  
SW 1/4 SE 1/4



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

DATE: 8-16-05  
Drawn By: K.G.  
Revised: 9-27-05

*Preconstruction Grade*



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

### APPROXIMATE YARDAGES

<b>CUT</b>	
(12") Topsoil Stripping	= 1,920 Cu. Yds.
(New Construction Only)	
Remaining Location	= 7,290 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 9,210 CU.YDS.</b>
<b>FILL</b>	<b>= 7,380 CU.YDS.</b>

EXCESS MATERIAL	= 1,830 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,810 Cu. Yds.
DEFICIT UNBALANCE (After Rehabilitation)	= <1,980> Cu. Yds.

*(Obtain Deficit Material From  
Approved Barrow Area)*

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

# DOMINION EXPLR. & PROD., INC.

## RBU #2-21F & RBU #14-16F

LOCATED IN UINTAH COUNTY, UTAH

SECTION 16, T10S, R20E, S.L.B.&M.

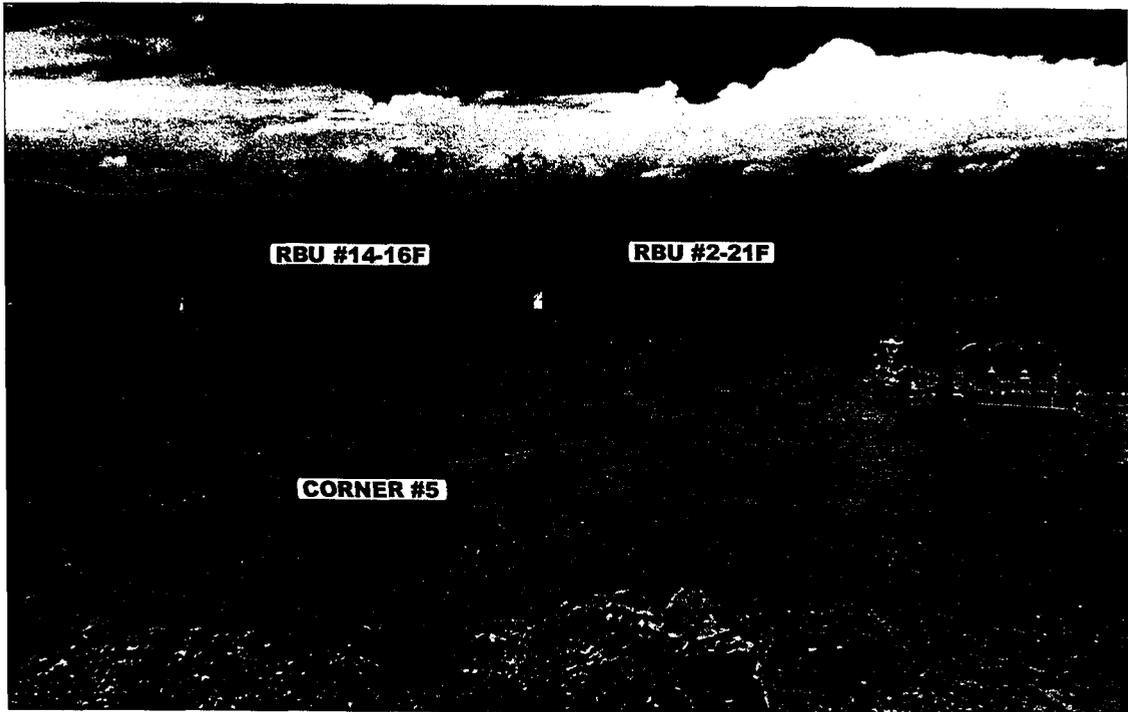


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW OF EXISTING ACCESS

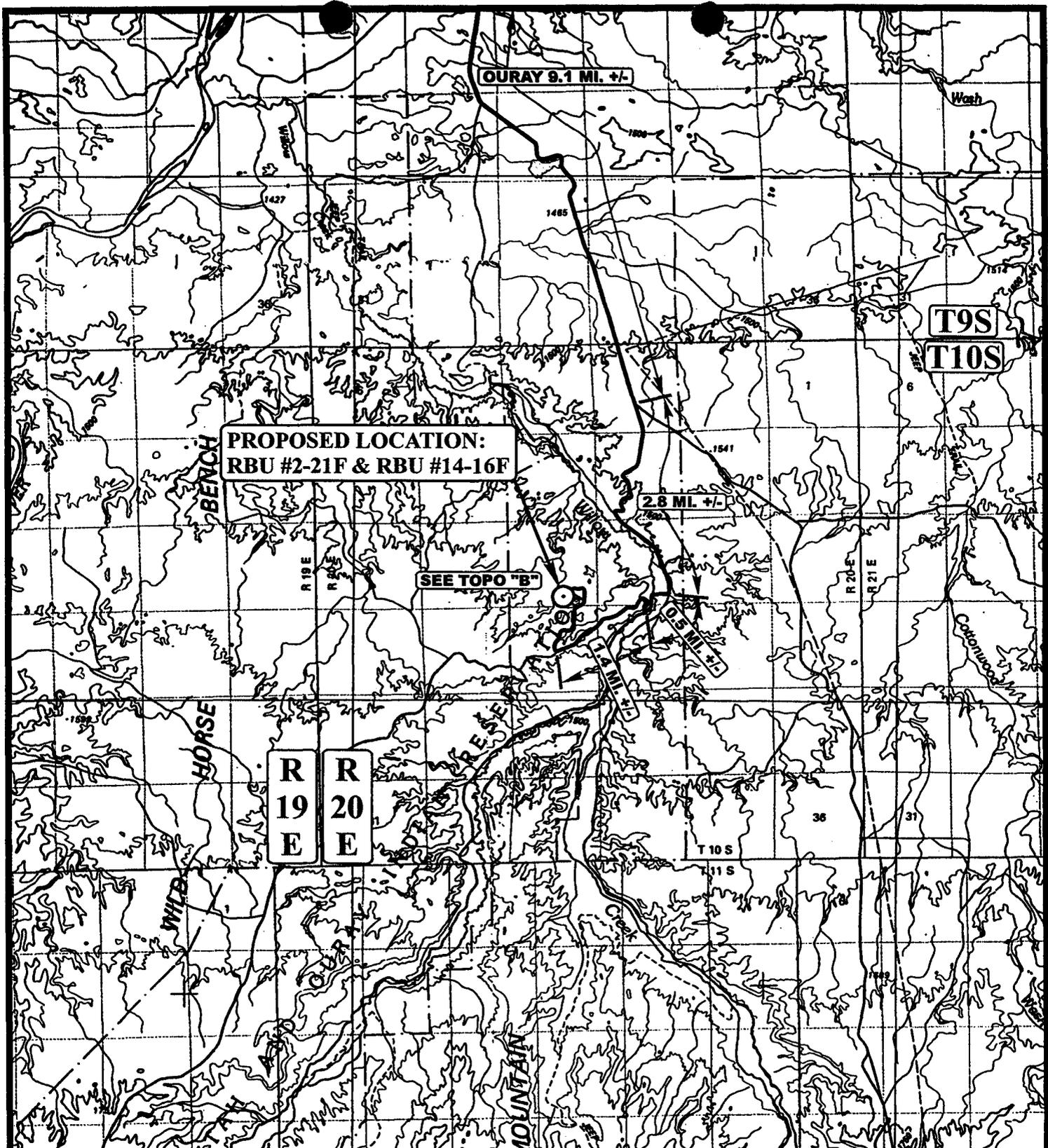
CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

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

LOCATION PHOTOS	08	17	05	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: B.B.	DRAWN BY: C.P.		REVISED: 09-27-05	



**LEGEND:**

⊙ PROPOSED LOCATION



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

**RBUs #2-21F & RBUs #14-16F**  
**SECTION 16, T10S, R20E, S.L.B.&M.**  
**SW 1/4 SE 1/4**



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

**TOPOGRAPHIC**  
**MAP**

**08 17 05**  
 MONTH DAY YEAR

SCALE: 1:100,000

DRAWN BY: C.P.

REVISED: 09-27-05



R  
20  
E

T10S

SEEP RIDGE ROAD 2.8 MI. +/-  
OURAY 11.9 MI. +/-

PROPOSED LOCATION:  
RBU #2-21F & RBU #14-16F

0.2 MI. +/-

#15-16F

Black Bridge

0.5 MI. +/-  
1.4 MI. +/-

**LEGEND:**

EXISTING ROAD

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

RBU #2-21F & RBU #14-16F  
SECTION 16, T10S, R20E, S.L.B.&M.  
SW 1/4 SE 1/4



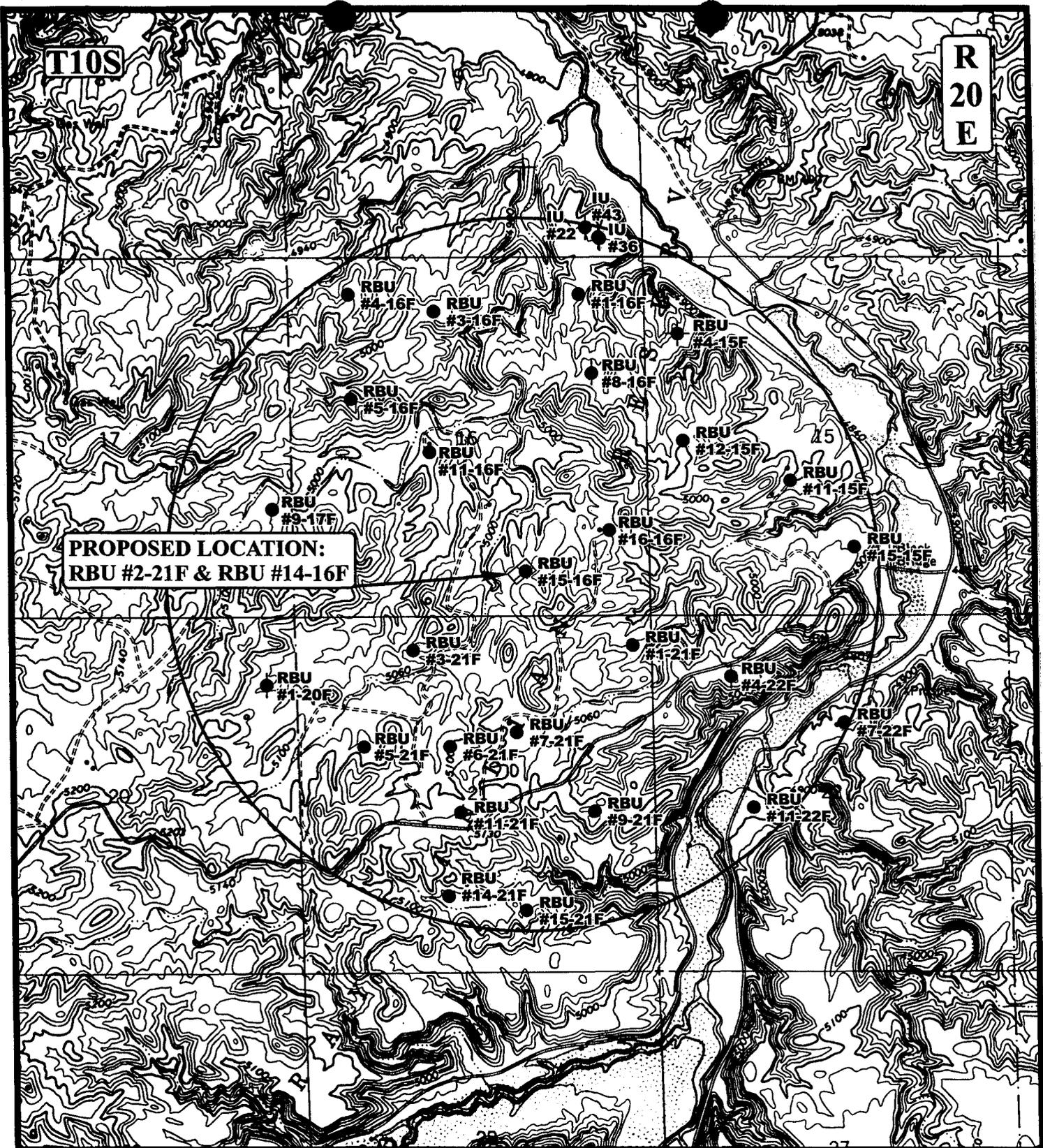
Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

08 17 05  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 09-27-05

**B**  
TOPO



**PROPOSED LOCATION:  
RBU #2-21F & RBU #14-16F**

**LEGEND:**

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

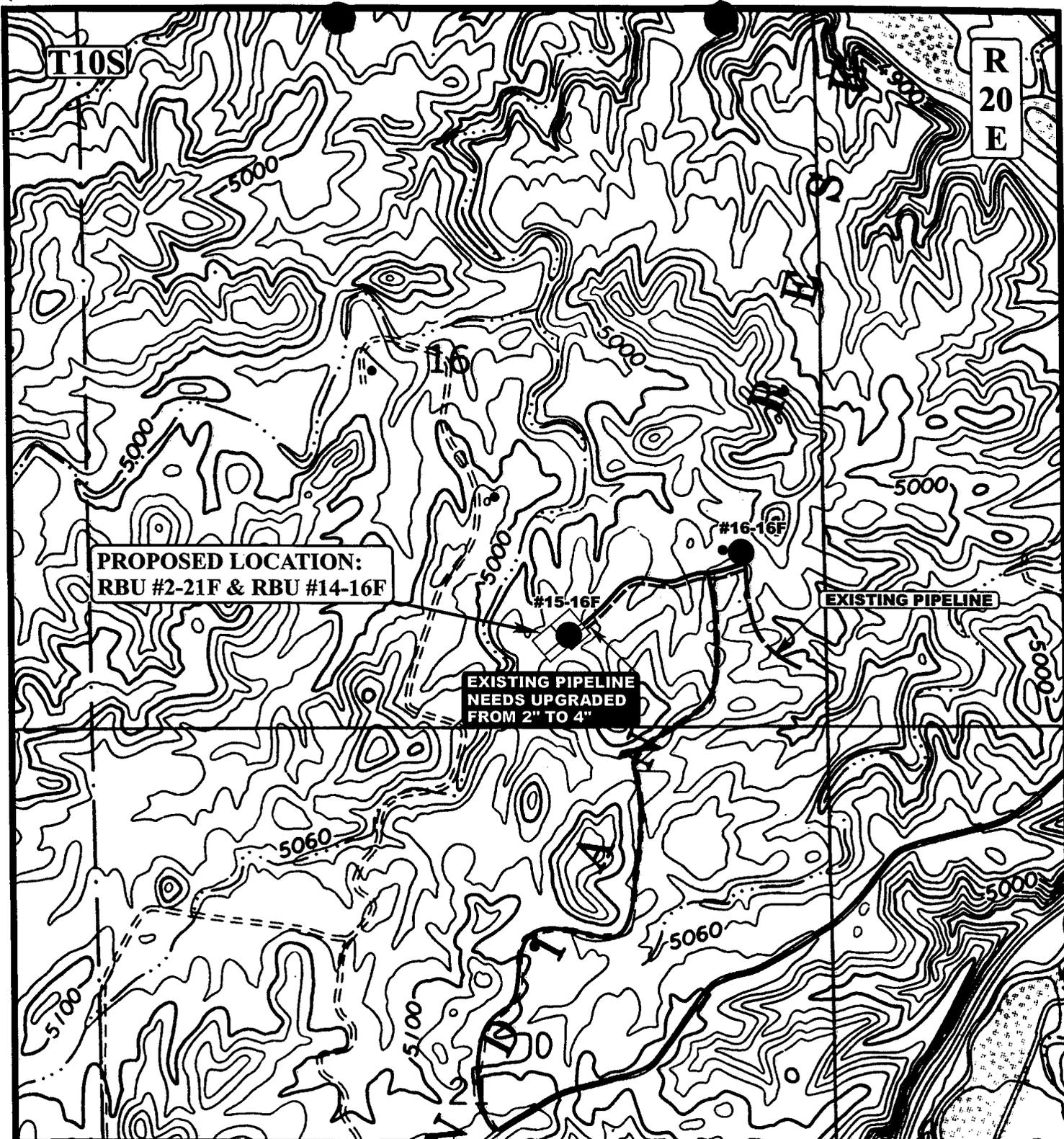
**DOMINION EXPLR. & PROD., INC.**

**RBU #2-21F & RBU #14-16F  
SECTION 16, T10S, R20E, S.L.B.&M.  
SW 1/4 SE 1/4**



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

**TOPOGRAPHIC MAP** 08 17 05  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 09-27-05 **C**  
TOPO



**APPROXIMATE TOTAL PIPELINE UPGRADE DISTANCE = 1,300' +/-**

**LEGEND:**

- EXISTING PIPELINE
- PROPOSED PIPELINE UPGRADE

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

**RBU #2-21F & RBU #14-16F  
SECTION 16, T10S, R20E, S.L.B.&M.  
SW 1/4 SE 1/4**



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



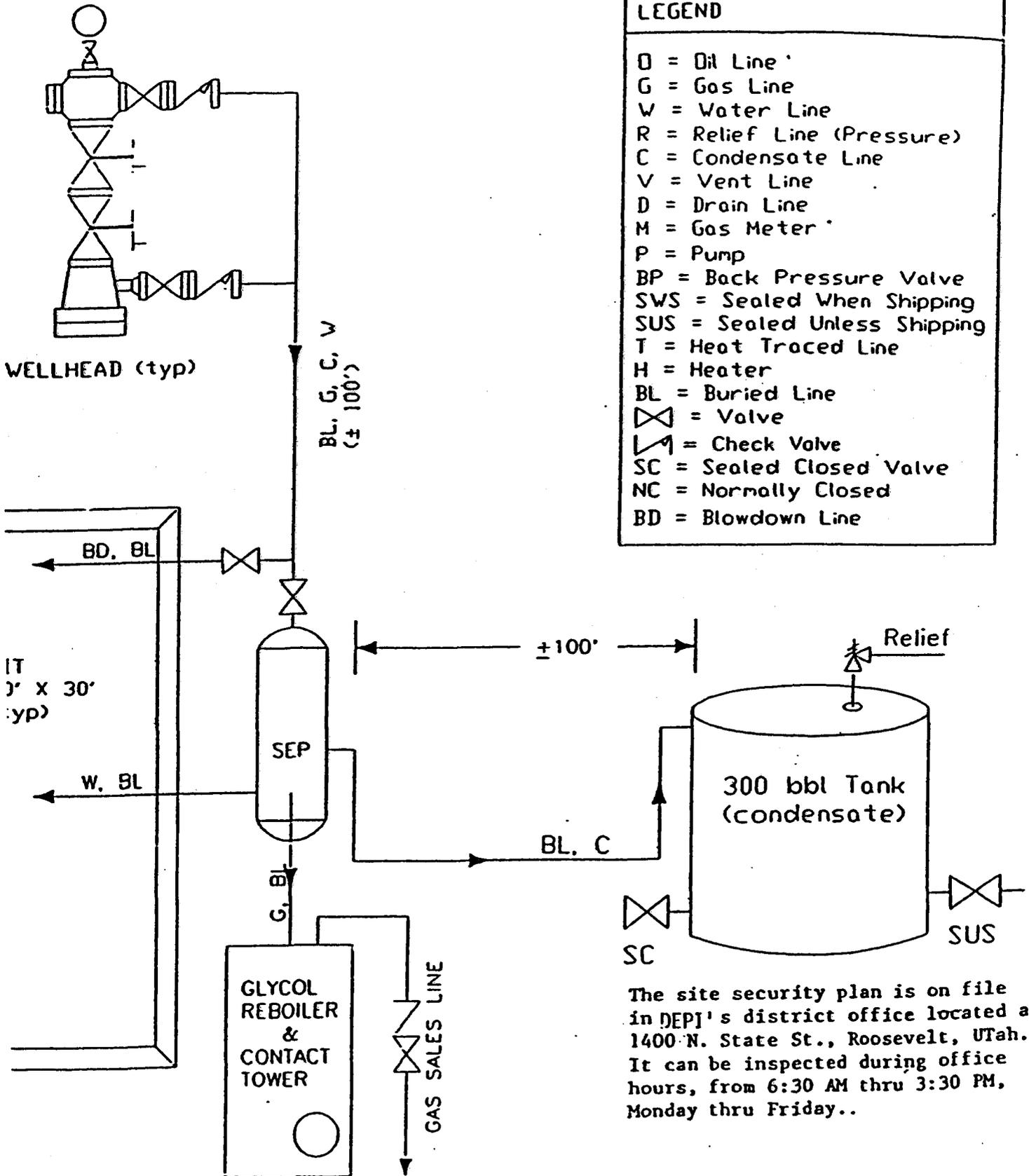
**TOPOGRAPHIC** 08 17 05  
**MAP** MONTH DAY YEAR  
SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 09-27-05



DOMINION EXPLR. & PROD., INC.  
RBU #2-21F & RBU #14-16F  
SECTION 16, T10S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 45.9 MILES.



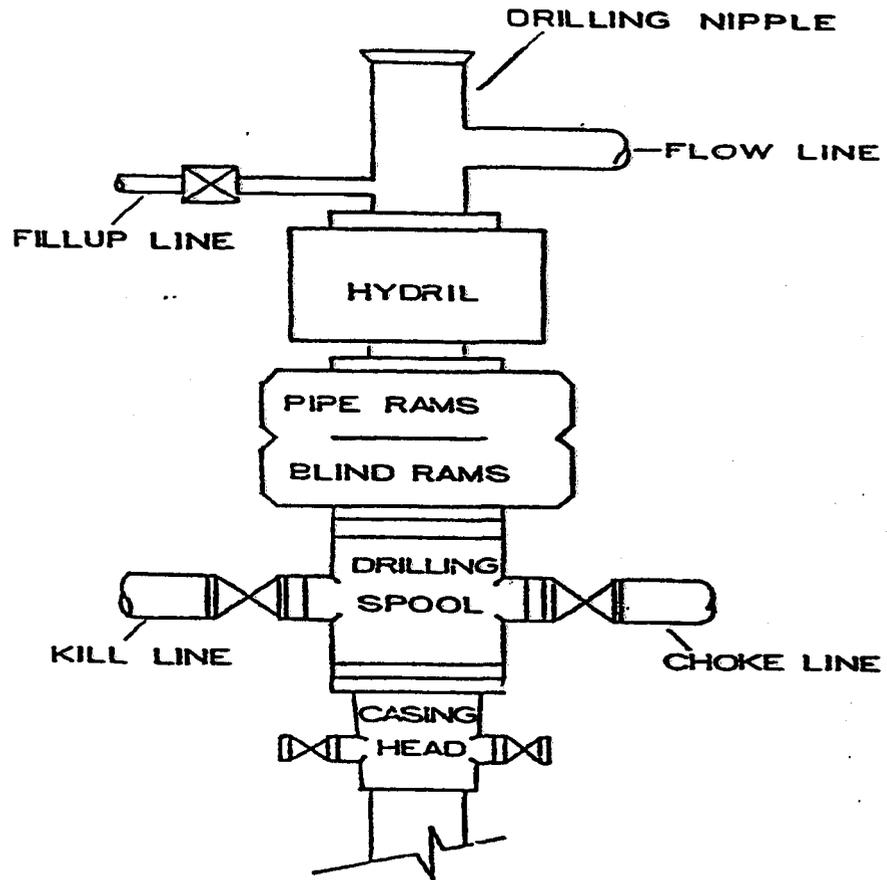
The site security plan is on file in DEPJ's district office located at 1400 N. State St., Roosevelt, Utah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..

DOMINION EXPLORATION & PRODUCTION, INC.

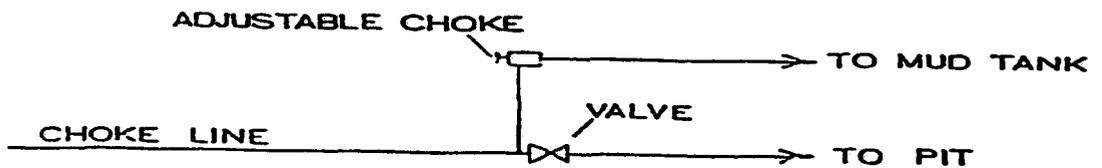
TYPICAL FLOW DIAGRAM

not to scale  
date: / /

BOP STACK - 3000#



CHOKE MANIFOLD - 3000#



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/28/2005

API NO. ASSIGNED: 43-047-37423

WELL NAME: RBU 2-21F  
 OPERATOR: DOMINION EXPL & PROD ( N1095 )  
 CONTACT: DON HAMILTON

PHONE NUMBER: 435-650-1886

PROPOSED LOCATION:

SWSE 16 100S 200E  
 SURFACE: 0646 FSL 1877 FEL  
*NW NE* BOTTOM: 0326 FNL 1990 FEL *Sec 21*  
 UINTAH  
 NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: U-013793-A  
 SURFACE OWNER: 2 - Indian  
 PROPOSED FORMATION: MVRD  
 COALBED METHANE WELL? NO

LATITUDE: 39.94200  
 LONGITUDE: -109.6670

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)

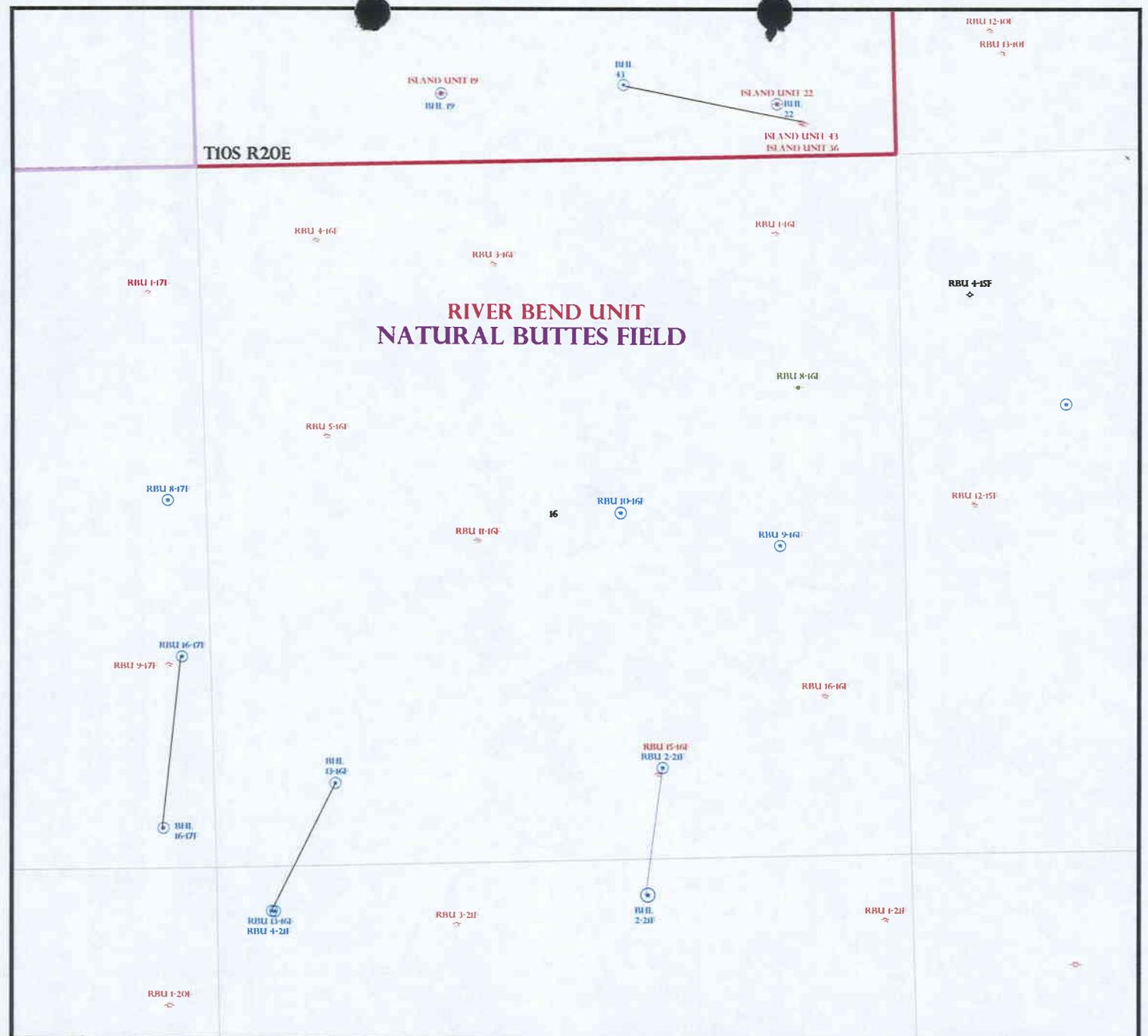
LOCATION AND SITING:

- 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 Waiver*  
*3- OIL SHALE*



OPERATOR: DOMINION EXPL & PROD N1095)

SEC: 16 T. 10S R. 20E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-11 / DIRECTIONAL DRILLING

**Field Status**

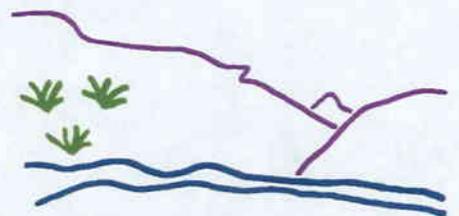
	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	PROPOSED
	STORAGE
	TERMINATED

**Unit Status**

	EXPLORATORY
	GAS STORAGE
	NF PP OIL
	NF SECONDARY
	PENDING
	PI OIL
	PP GAS
	PP GEOTHERML
	PP OIL
	SECONDARY
	TERMINATED

**Wells Status**

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



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 29-NOVEMBER-2005

# 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)

November 29, 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 well is planned for calendar year 2005 within the River Bend Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ MesaVerde)

43-047-37423	RBU 2-21F	Sec 16 T10S R20E 0646 FSL 1877 FEL
		Sec 21 T10S R20E 0326 FNL 1990 FEL

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

/s/ Michael L. Coulthard

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

November 29, 2005

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

Re: River Bend Unit 2-21F Well, Surface Location 646' FSL, 1877' FEL, SW SE,  
Sec. 16, T. 10 South, R. 20 East, Bottom Location 326' FNL, 1990' FEL,  
NW NE, Sec. 21, T. 10 South, R. 20 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 43-047-37423.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: Dominion Exploration & Production, Inc.  
Well Name & Number River Bend Unit 2-21F  
API Number: 43-047-37423  
Lease: U-013793-A

Surface Location: SW SE                      Sec. 16                      T. 10 South                      R. 20 East  
Bottom Location: NW NE                      Sec. 21                      T. 10 South                      R. 20 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

#### 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

#### 5. 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.

Page 2

43-047-37423

November 29, 2005

6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
7. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**CONFIDENTIAL**

**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.

U-013793-A

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

3b. Phone No. (include area code)  
 (405) 749-5263

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 646' FSL & 1877' FEL, SW SE, Section 16-10S-20E, Surface  
 326' FNL & 1990' FEL, NW NE Sec. 21-10S-20E, Bottom

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
 RBU 2-21F

9. API Well No.  
 43-047-37423

10. Field and Pool, or Exploratory Area  
 Natural Buttes

11. County or Parish, State  
 Uintah, UT

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

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

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

The State APD expires November 29, 2006. Dominion is hereby requesting a one year extension.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-31-06  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 10/31/06  
Initials: RM

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

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

Signature                      [Signature]                      Date                      10/26/2006

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  
OCT 30 2006

DIV. OF OIL, GAS & MINING

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

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

**API:** 43-047-37423  
**Well Name:** RBU 2-21F  
**Location:** Section 16-10S-20E, 646' FSL & 1877' FEL  
**Company Permit Issued to:** Dominion Exploration & Production, Inc.  
**Date Original Permit Issued:** 11/29/2005

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 Anstam  
Signature

10/26/2006  
Date

Title: Sr. Regulatory Specialist

Representing: Dominion Exploration & Production, Inc.

RECEIVED

OCT 30 2006

DIV. OF OIL, GAS & MINING

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

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

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

Operator Name Change/Merger

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

7/1/2007

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

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

		5. LEASE DESIGNATION AND SERIAL NUMBER:
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>SEE ATTACHED</b>
2. NAME OF OPERATOR: <b>XTO Energy Inc. N 2615</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. **N 1095**  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

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

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

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

(This space for State use only)

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

(See Instructions on Reverse Side)

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



# 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

**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

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

		5. LEASE DESIGNATION AND SERIAL NUMBER: U-013793-A
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
		7. UNIT or CA AGREEMENT NAME: River Bend Unit
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: RBU 2-21F
2. NAME OF OPERATOR: XTO Energy		9. API NUMBER: 4304737423
3. ADDRESS OF OPERATOR: P.O. Box 1360      Roosevelt      CO      84066		PHONE NUMBER: (435) 722-4521
4. LOCATION OF WELL FOOTAGES AT SURFACE: 646' FSL & 1,877' FEL		10. FIELD AND POOL, OR WILDCAT: Natural Buttes
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 16 10S 20E S		COUNTY: Uintah STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____  <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<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 type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Permit Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

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

This is the second extension that has been requested.

Approved by the  
Utah Division of  
Oil, Gas and Mining

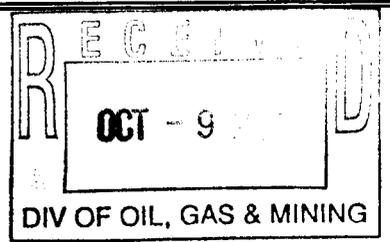
Date: 10-10-07  
By: [Signature]

NAME (PLEASE PRINT) <u>Mamie Griffin</u>	TITLE <u>Agent for XTO Energy</u>
SIGNATURE <u>[Signature]</u>	DATE <u>10/3/2007</u>

(This space for State use only)

10-11-07  
RM

(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:** 4304737423  
**Well Name:** RBU 2-21F  
**Location:** 16 10S 20E 646' FSL & 1,877' FEL  
**Company Permit Issued to:** XTO Energy  
**Date Original Permit Issued:** 11/29/2005

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

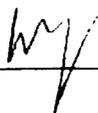
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

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

Signature



Date

10-3-2007

Title: Agent

Representing: XTO Energy

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-013793-A
		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
		8. WELL NAME and NUMBER: RBU 2-21F
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	9. API NUMBER: 4304737423	
2. NAME OF OPERATOR: XTO Energy, Inc.	10. FIELD AND POOL, OR WILDCAT: Undesignated	
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: 646' FSL & 1,877' FEL COUNTY: Uintah		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 16 10S 20E 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: 10/30/08  
By: [Signature]

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

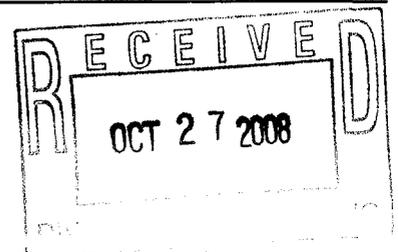
(This space for State use only)

COPY SENT TO OPERATOR

(5/2000)

Date: 10/30/2008  
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:** 4304737423  
**Well Name:** RBU 2-21F  
**Location:** 646' FSL & 1,877' FEL Sec. 16, 10S-20E  
**Company Permit Issued to:** XTO Energy, Inc.  
**Date Original Permit Issued:** 11/29/2005

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

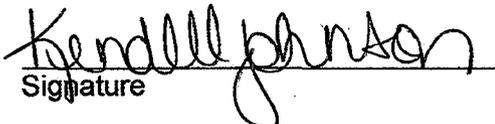
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

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

  
Signature

9/22/2008  
Date

Title: Kendell Johnson

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-013793-A
<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> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> RBU 2-21F
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047374230000
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0646 FSL 1877 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 16 Township: 10.0S Range: 20.0E 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: 10/30/2010	<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"/> <b>APD EXTENSION</b>
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

**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:** October 26, 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> 10/22/2009



**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 43047374230000**

**API:** 43047374230000

**Well Name:** RBU 2-21F

**Location:** 0646 FSL 1877 FEL QTR SWSE SEC 16 TWP 100S RNG 200E MER S

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

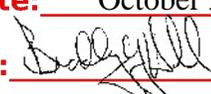
**Date Original Permit Issued:** 11/29/2005

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:** 10/22/2009  
**Title:** Permitting Clerk **Representing:** XTO ENERGY INC

**Date:** October 26, 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-013793-A
<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> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> RBU 2-21F
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047374230000
<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> 0646 FSL 1877 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 16 Township: 10.0S Range: 20.0E 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: 11/8/2011  <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 Energy hereby 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:** November 08, 2010

**By:** 

<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> 11/8/2010



**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 43047374230000**

**API:** 43047374230000

**Well Name:** RBU 2-21F

**Location:** 0646 FSL 1877 FEL QTR SWSE SEC 16 TWP 100S RNG 200E MER S

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

**Date Original Permit Issued:** 11/29/2005

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
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- 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:** Krista Wilson

**Date:** 11/8/2010

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

**Date:** November 08, 2010

**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-013793-A
<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> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> RBU 2-21F
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047374230000
<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> 0646 FSL 1877 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 16 Township: 10.0S Range: 20.0E 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: 11/15/2012  <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"/> 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"/> <b>APD EXTENSION</b> 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.

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

**Date:** 11/23/2011

**By:**

<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> 11/15/2011	



**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 43047374230000**

**API:** 43047374230000

**Well Name:** RBU 2-21F

**Location:** 0646 FSL 1877 FEL QTR SWSE SEC 16 TWP 100S RNG 200E MER S

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

**Date Original Permit Issued:** 11/29/2005

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- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
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- 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:** 11/15/2011

**Title:** Permitting Tech **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-013793-A	
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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> UTE	<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> RBU 2-21F
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047374230000
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155	<b>PHONE NUMBER:</b> 303 397-3727 Ext
<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES	<b>COUNTY:</b> UINTAH
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0646 FSL 1877 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 16 Township: 10.0S Range: 20.0E Meridian: S	<b>STATE:</b> UTAH

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

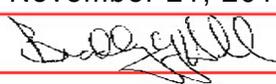
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/30/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date 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:** November 21, 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> 11/16/2012	



**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 43047374230000**

API: 43047374230000

Well Name: RBU 2-21F

Location: 0646 FSL 1877 FEL QTR SWSE SEC 16 TWNP 100S RNG 200E MER S

Company Permit Issued to: XTO ENERGY INC

Date Original Permit Issued: 11/29/2005

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.

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- 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: 11/16/2012

Title: Regulatory

Representing: XTO ENERGY INC



## United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Green River District  
Vernal Field Office  
170 South 500 East  
Vernal, UT 84078  
<http://www.blm.gov/ut/st/en/fo/vernal.html>

February 25, 2013

IN REPLY REFER TO:  
3160 (UTG011)

Rick Redus  
XTO Energy, Inc.  
PO Box 6501  
Englewood, CO 80155

43-047-37423

Re: Request to Return APD  
Well No. RBU 2-21F  
SWSE, Sec. 16, T10S, R20E  
Uintah County, Utah  
Lease No. UTU-013793A  
River Bend Unit

Dear Mr. Redus:

The Application for Permit to Drill (APD) for the above referenced well received in this office on November 28, 2005, is being returned unapproved per your request to this office in an email message to Natural Resource Specialist David Gordon received on January 10, 2013. If you intend to drill at this location at a future date, a new APD must be submitted.

If you have any questions regarding APD processing, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka  
Assistant Field Manager  
Lands & Resource Minerals

RECEIVED

MAR 22 2013

DIV. OF OIL, GAS & MINING

Enclosures

cc: UDOGM

bcc: Well File  
Don Hamilton

<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-013793-A	
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<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE	<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> RBU 2-21F
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047374230000
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155	<b>PHONE NUMBER:</b> 303 397-3727 Ext
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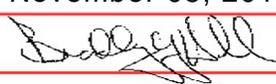
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/28/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date 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
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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:** November 05, 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> 11/4/2013	



**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 43047374230000**

API: 43047374230000

Well Name: RBU 2-21F

Location: 0646 FSL 1877 FEL QTR SWSE SEC 16 TWNP 100S RNG 200E MER S

Company Permit Issued to: XTO ENERGY INC

Date Original Permit Issued: 11/29/2005

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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: 11/4/2013

Title: Regulatory Analyst Representing: XTO ENERGY INC

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
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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: 10/31/2015	<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
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	<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"/>

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

**Approved by the**  
**October 27, 2014**  
**Oil, Gas and Mining**

**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> 10/20/2014	



**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 43047374230000**

API: 43047374230000

Well Name: RBU 2-21F

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

Signature: Malia Villers

Date: 10/20/2014

Title: Lead Permitting Analyst Representing: XTO ENERGY INC



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

November 12, 2015

Malia Villers  
XTO Energy Inc.  
P.O. BOX 6501  
Englewood, CO 80155

43-047-37423

Re: APDs Rescinded for XTO Energy Inc., Uintah County

Dear Ms. Villers:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded effective November 11, 2015.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Vernal



Operator†	API Number†	Well Name†	Work Type†	Date Approved†	Date Permit Will Expire†
XTO ENERGY INC	4304738783	KC 14-33E	DRILL	11/07/2006	11/07/2015
XTO ENERGY INC	4304738784	LCU 11-35F	DRILL	11/07/2006	11/07/2015
XTO ENERGY INC	4304738788	LCU 6-10H	DRILL	11/07/2006	11/07/2015
XTO ENERGY INC	4304738789	LCU 13-10H	DRILL	11/07/2006	11/07/2015
XTO ENERGY INC	4304738790	LCU 11-11H	DRILL	11/07/2006	11/07/2015
XTO ENERGY INC	4304738791	LCU 3-12H	DRILL	11/07/2006	11/07/2015
XTO ENERGY INC	4304736047	HCU 15-31F	DRILL	11/08/2004	11/08/2015
XTO ENERGY INC	4304737361	HCU 2-28F	DRILL	11/10/2005	11/10/2015
XTO ENERGY INC	4304739785	RBU 13-15F	DRILL	11/19/2007	11/19/2015
XTO ENERGY INC	4304739787	RBU 6-22F	DRILL	11/19/2007	11/19/2015
XTO ENERGY INC	4304737423	RBU 2-21F	DRILL	11/29/2005	11/29/2015
XTO ENERGY INC	4304738889	KC 9-31E	DRILL	11/29/2006	11/29/2015
XTO ENERGY INC	4304738890	KC 13-31E	DRILL	11/29/2006	11/29/2015
XTO ENERGY INC	4304738891	KC 12-33E	DRILL	11/29/2006	11/29/2015
XTO ENERGY INC	4304738892	LCU 7-10H	DRILL	11/29/2006	11/29/2015
XTO ENERGY INC	4304738893	LCU 1-12H	DRILL	11/29/2006	11/29/2015