

003

July 11, 2003

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 16-14E, *Surface Location:* 391' FNL, 159' FEL, NE/4 NE/4, Section 23,  
*Target Location:* 500' FSL, 650' FEL, SE/4 SE/4, Section 14,  
T10S, R19E, SLB&M, Uintah County, Utah

Dear Fluid Minerals Group:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and two copies of the *Application for Permit to Drill (APD)* for the above referenced directional well. Included with the APD is the following supplemental information:

- Exhibit "A" - Survey plats, layouts and photos of the proposed well site;
- Exhibit "B" - Proposed location maps with access and utility corridors;
- Exhibit "C" - Production site layout;
- Exhibit "D" - Drilling Plan with Directional Drilling Proposal;
- 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 Mason, Division of Oil, Gas and Mining  
Carla Christian, Dominion  
Marty Buys, Buys & Associates, Inc.

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

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEEN</b> <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. <b>U-013792</b>	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>	
2. NAME OF OPERATOR <b>Dominion Exploration &amp; Production, Inc.</b>			7. UNIT AGREEMENT NAME <b>River Bend Unit</b>	
3. ADDRESS AND TELEPHONE NO. <b>14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134, 405-749-6690</b>			8. FARM OR LEASE NAME, WELL NO. <b>RBU 16-14E</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At surface: <b>391' FNL, 159' FEL 442.548Y NE/4 NE/4, Section 23</b> At proposed prod. zone: <b>500' FSL, 650' FEL 39.93910 SE/4 SE/4, Section 14</b>			9. API WELL NO. <b>43-047-35086</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>10.85 miles southwest of Ouray, Utah</b>			10. FIELD AND POOL, OR WILDCAT <b>Natural Buttes</b>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) <b>159'</b>		16. NO. OF ACRES IN LEASE <b>1,882.2</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40 acres</b>	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>25'</b>		19. PROPOSED DEPTH <b>7,500'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5,179' GR</b>			22. APPROX. DATE WORK WILL START* <b>March 1, 2004</b>	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" H-40 ST&C	48#	500'	450 sacks Class C cement + 2% CaCl <sub>2</sub> + 1/4 #/sk. Poly-E-Flakes
12-1/4"	9-5/8" J-55 LT&C	36#	2,800'	300 sacks Lead and 390 sacks Tail (see Drilling Plan)
7-7/8"	5-1/2" Mav-80 LT&C	17#	7,500'	90 sacks Lead and 600 sacks Tail (see Drilling Plan)

**Bond Information:**

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

**Other Information:**

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

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**Federal Approval of this  
Action is Necessary**

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

24. SIGNED Don Hamilton Don Hamilton TITLE Agent for Dominion DATE July 11, 2003

(This space for Federal or State office use)

PERMIT NO. 43-047-35086 APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Bradley G. Hill TITLE **BRADLEY G. HILL  
ENVIRONMENTAL SCIENTIST III** DATE 07-17-03

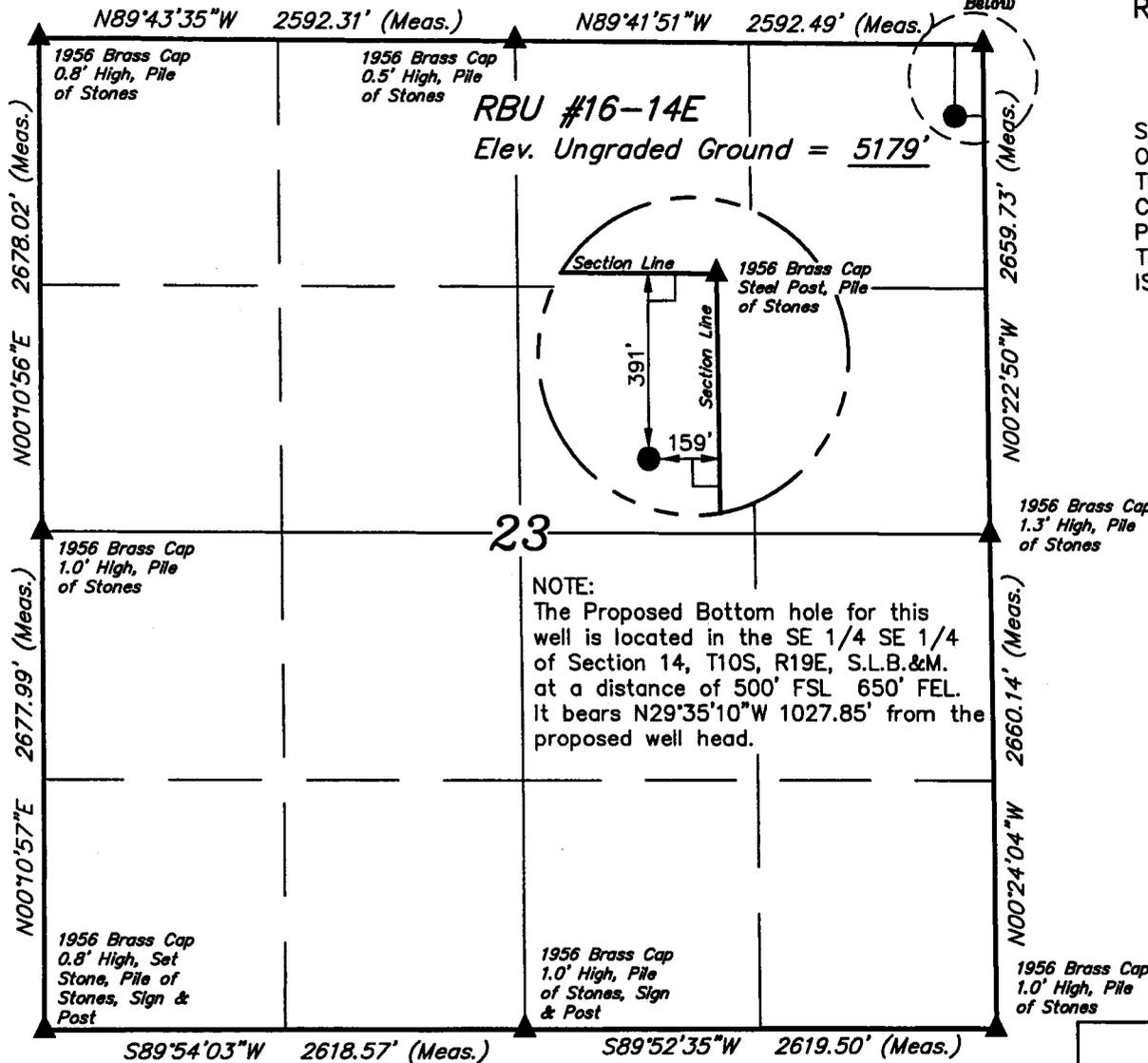
**\*See Instructions On Reverse Side**

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

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

## DOMINION EXPLR. & PROD., INC.

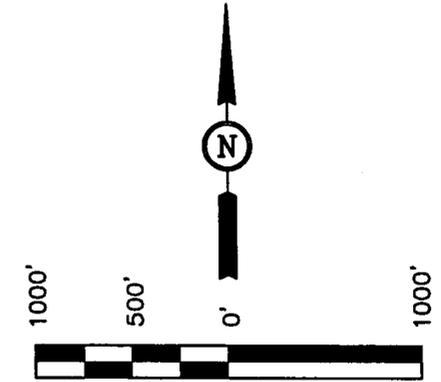
Well location, RBU #16-14E, located as shown in the NE 1/4 NE 1/4 of Section 23, T10S, R19E, S.L.B.&M. Uintah County Utah.



Bottom Hole  
See Detail

### BASIS OF ELEVATION

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



### SCALE

### 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 H. ...*

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

NOTE:  
The Proposed Bottom hole for this well is located in the SE 1/4 SE 1/4 of Section 14, T10S, R19E, S.L.B.&M. at a distance of 500' FSL 650' FEL. It bears N29°35'10"W 1027.85' from the proposed well head.

### BASIS OF BEARINGS

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

(SURFACE LOCATION-AUTONOMOUS NAD 83)  
LATITUDE = 39°56'20.54" (39.939039)  
LONGITUDE = 109°44'27.28" (109.740911)

### LEGEND:

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

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

SCALE 1" = 1000'	DATE SURVEYED: 06-12-03	DATE DRAWN: 06-16-03
PARTY G.S. T.A. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	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 16-14E  
SHL: 391' FNL & 159' FEL Section 23-10S-19E  
BHL: 500' FSL & 650' FEL Section 14-10S-19E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Green River	1,322'
Wasatch Tongue	4,232'
Green River Tongue	4,562'
Wasatch	4,722'
Chapita Wells	5,622'
Uteland Buttes	6,822'

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

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Green River	1,322'	Oil
Wasatch Tongue	4,232'	Oil
Green River Tongue	4,562'	Oil
Wasatch	4,722'	Gas
Chapita Wells	5,622'	Gas
Uteland Buttes	6,822'	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'	7,500'	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 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' - 7,500'	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 contant 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 H2S 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</u>	<u>Cement</u>	<u>Excess</u>
					<u>Volume</u>	<u>Volume</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 7,500'±, 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</u>	<u>Cement</u>	<u>Excess</u>
					<u>Volume</u>	<u>Volume</u>	
Lead	90	3,700'-4,500'	11.5 ppg	3.12 CFS	139 CF	277 CF	100%
Tail	600	4,500'-7,500'	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, 2004  
Duration: 14 Days

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**DOMINION EXPLR. & PROD., INC.**  
**RBU #4-24E, RBU #8-23E, & RBU #16-14E**  
**SECTION 23, T10S, R19E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; PROCEED IN A NORTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 2.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE RBU #7-23E AND THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 300' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.9 MILES.



**Dominion Exploration &  
Production, Inc.  
Utah  
Uintah County  
RBU 16-14E**

**Sperry-Sun**

**Proposal Report**

**9 July, 2003**

Proposal Ref: pro6154

**HALLIBURTON**

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**Proposal Report for RBU 16-14E**

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00	
600.00	0.000	0.000	600.00	0.00 N	0.00 E	0.00	0.000
700.00	3.000	331.142	699.95	2.29 N	1.26 W	2.62	3.000
800.00	6.000	331.142	799.63	9.16 N	5.05 W	10.46	3.000
900.00	9.000	331.142	898.77	20.59 N	11.35 W	23.51	3.000
1000.00	12.000	331.142	997.08	36.55 N	20.14 W	41.74	3.000
1100.00	15.000	331.142	1094.31	57.00 N	31.41 W	65.08	3.000
1144.89	16.347	331.142	1137.52	67.62 N	37.26 W	77.20	3.000
2000.00	16.347	331.142	1958.07	278.40 N	153.42 W	317.87	0.000
3000.00	16.347	331.142	2917.65	524.90 N	289.25 W	599.32	0.000
4000.00	16.347	331.142	3877.22	771.39 N	425.09 W	880.77	0.000
4156.05	16.347	331.142	4026.97	809.86 N	446.29 W	924.69	0.000
4200.00	15.248	331.142	4069.26	820.34 N	452.06 W	936.65	2.500
4300.00	12.748	331.142	4166.28	841.52 N	463.73 W	960.84	2.500
4400.00	10.248	331.142	4264.26	858.98 N	473.35 W	980.77	2.500
4500.00	7.748	331.142	4363.03	872.68 N	480.90 W	996.41	2.500
4600.00	5.248	331.142	4462.38	882.59 N	486.36 W	1007.72	2.500
4700.00	2.748	331.142	4562.12	888.69 N	489.73 W	1014.70	2.500
4800.00	0.248	331.142	4662.08	890.98 N	490.99 W	1017.31	2.500
4809.92	0.000	0.000	4672.00	891.00 N	491.00 W	1017.33	2.500
7637.92	0.000	0.000	7500.00	891.00 N	491.00 W	1017.33	0.000

All data is in Feet (US Survey) unless otherwise stated. Directions and coordinates are relative to True North. Vertical depths are relative to Well. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet (US Survey).  
Vertical Section is from Well and calculated along an Azimuth of 331.142° (True).

Based upon Minimum Curvature type calculations, at a Measured Depth of 7637.92ft.,  
The Bottom Hole Displacement is 1017.33ft., in the Direction of 331.142° (True).

**Comments**

Measured Depth (ft)	Station Coordinates			Comment
	TVD (ft)	Northings (ft)	Eastings (ft)	
0.00	0.00	0.00 N	0.00 E	Surface Location: 391 FNL & 159 FEL, Sec. 23-T10S-R19E
600.00	600.00	0.00 N	0.00 E	Kick-Off at 600.00ft
872.44	871.52	16.99 N	9.36 W	Build Rate = 3.000°/100ft
1144.89	1137.52	67.62 N	37.26 W	End of Build at 1144.89ft
2650.47	2582.25	438.74 N	241.77 W	Hold Angle at 16.347°
4156.05	4026.97	809.86 N	446.29 W	Begin Drop to Vertical at 4156.05ft
4482.99	4346.18	870.61 N	479.76 W	Drop Rate = 2.500°/100ft
4809.92	4672.00	891.00 N	491.00 W	End of Drop at 4809.92ft
6223.92	6086.00	891.00 N	491.00 W	Hold Angle at 0.000°
7637.92	7500.00	891.00 N	491.00 W	Total Depth at 7637.92ft

**Proposal Report for RBU 16-14E**

**Formation Tops**

Formation Plane (Below Well Origin)			Profile		Penetration Point			Formation Name
Sub-Sea (ft)	Dip Angle	Dn-Dip Dirn.	Measured Depth (ft)	Vertical Depth (ft)	Sub-Sea Depth (ft)	Northings (ft)	Eastings (ft)	
-3873.00	0.000	181.127	1337.13	1322.00	-3873.00	115.00 N	63.37 W	Green River
-963.00	0.000	181.127	4367.17	4232.00	-963.00	853.66 N	470.42 W	Wasatch Tongue
-633.00	0.000	181.127	4699.88	4562.00	-633.00	888.69 N	489.73 W	Green River Tongue
-473.00	0.000	181.127	4859.92	4722.00	-473.00	891.00 N	491.00 W	Wasatch
427.00	0.000	181.127	5759.92	5622.00	427.00	891.00 N	491.00 W	Chapita Wells
1627.00	0.000	181.127	6959.92	6822.00	1627.00	891.00 N	491.00 W	Uteland Buttes

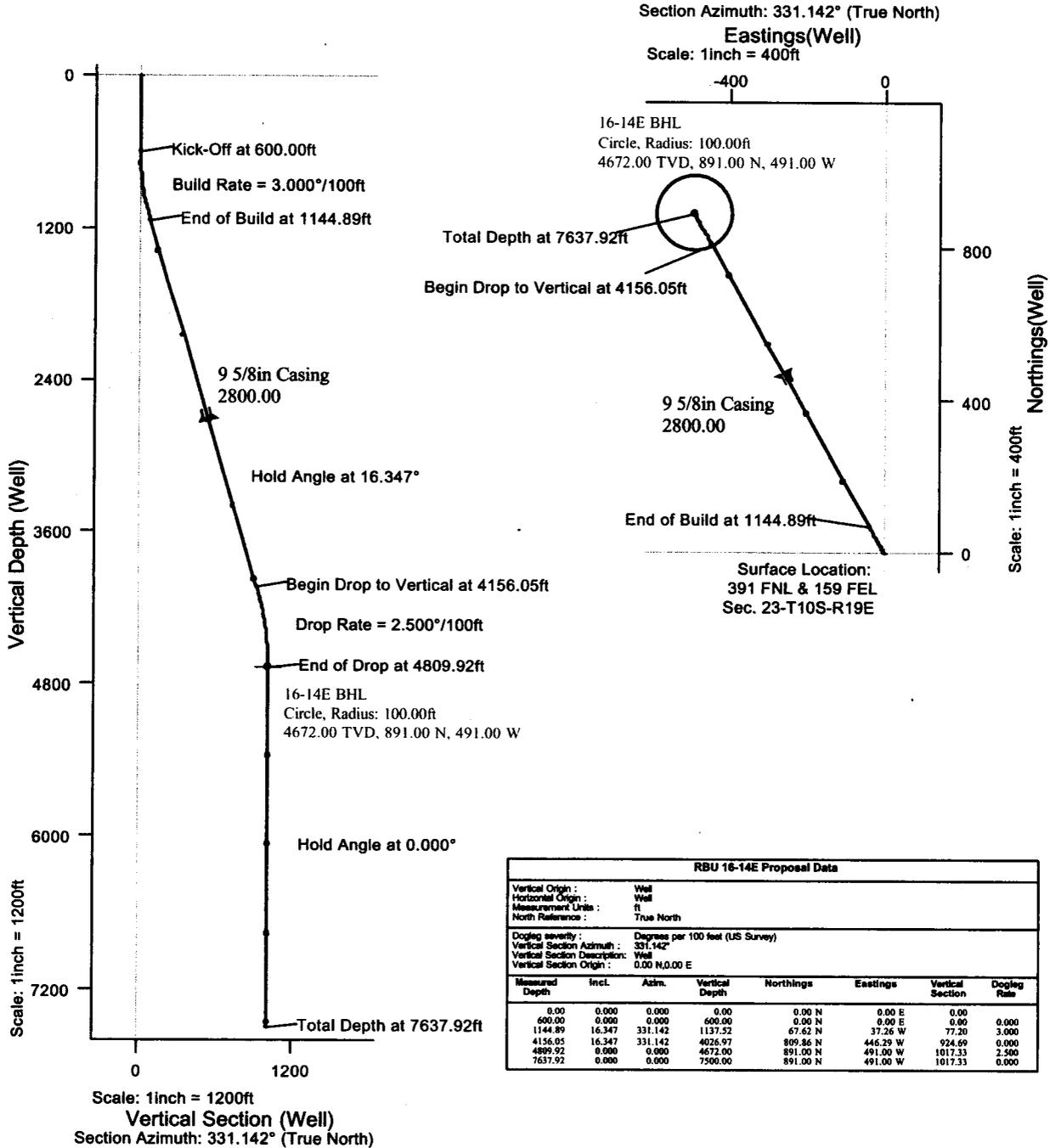
**Casing details**

From		To		Casing Detail
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	
<Surface>	<Surface>	2800.00	2725.73	9 5/8in Casing

**Targets associated with this wellpath**

Target Name	Target Entry Coordinates			Target Shape	Target Type
	TVD (ft)	Northings (ft)	Eastings (ft)		
16-14E BHL	4672.00	891.00 N	491.00 W	Circle	Current Target

Utah  
 Uintah County  
 Sec. 23-T10S-R19E  
 RBU 16-14E



Prepared by: Jay Lantz Date/Time: 9 July, 2003 - 15:51 Checked: Approved:

## 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 16-14E  
SHL: 391' FNL & 159' FEL Section 23-10S-19E  
BHL: 500' FSL & 650' FEL Section 14-10S-19E  
Uintah County, UT

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

The onsite inspection for the referenced well was conducted on Wednesday, June 25, 2003 at approximately 11:45 am. In attendance at the onsite inspection were the following individuals:

Gary Dye	Company Representative	Dominion Exploration & Production, Inc.
Stephanie Howard	Environmental Scientist	Bureau of Land Management
Dixie Sadler	Wildlife Biologist	Bureau of Land Management
Robert Kay	Registered Land Surveyor	Uintah Engineering and Land Surveying
Gary Gerber	Foreman	Stubbs & Stubbs Oil Field Construction
Don Hamilton	Permitting Agent	Buys & Associates, Inc.

1. Existing Roads:

- a. The proposed well site is located approximately 10.85 miles southwest of Ouray, UT.
- b. Directions to the proposed well site have been attached at the end of Exhibit B.
- c. The use of roads under State and County Road Department maintenance is 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 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 federal unit boundary.

2. **Planned Access Roads:**

- a. No new access is proposed with this application since the proposed well utilizes the existing RBU 4-24E pad.

3. **Location of Existing Wells:**

- a. Following is a list of existing wells within a one mile radius of the proposed well:

i. Water wells	None
ii. Injection wells	None
iii. Disposal wells	None
iv. Drilling wells	None
v. Temp. shut-in wells	2
vi. Producing wells	34
vii. Abandon wells	None

- b. Exhibit B is 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 complying with the Occupational Safety and Health Act (OSHA) may be excluded.
- b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- d. A tank battery will be constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- h. A gas pipeline is associated with this application and is being applied for at this time. The proposed gas pipeline corridor will trend east and tie into the existing RBU 7-23E 4" pipeline corridor.

- i. The gas pipeline will be a 4" steel surface line within a 20' wide utility corridor. The use of the proposed pad will facilitate the staging of the pipeline construction. A pipeline length of 500' is associated with this well.
- j. Dominion intends on installing the pipeline on the surface by welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

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

6. Source of Construction Material:

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

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.
- b. Drill cuttings will be contained and buried on site.
- c. The reserve pit will be located outboard of the location and along the west side of the pad.
- d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.
- e. The reserve pit will be lined with 12 mil minimum thickness plastic nylon reinforced liner material overlaying a felt liner pad. 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. After first production, produced wastewater will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90-day period, an application for approval of a permanent disposal method and location will be applied for 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 along existing access from the south.
- c. The pad designs are consistent with BLM specification
- d. A pre-construction meeting with a responsible company representative, contractors, and the BLM will be conducted at the project site prior to commencement of surface-disturbing activities. The pad 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. 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.
- c. 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.
- d. Prior to reseeding the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BLM. The BLM recommended seed mix is as follows:
 

Shads Scale	4 pounds per acre
Matt Salt Brush	5 pounds per acre
Galletta Grass	3 pounds per acre

11. Surface and Mineral Ownership:

- a. Both Surface and Mineral Ownership is 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 will conduct a Class III archeological survey. A copy of the pending report will be submitted under separate cover to the appropriate agencies by AIA Archaeological.
- b. 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. Construction and drilling cannot take place between February 1 and July 15 of any given year for the protection of a historically active golden eagle nest within ½ mile of the proposed well
  - c. No drainage crossings that require additional State or Federal approval are being crossed

13. Operator's Representative and Certification

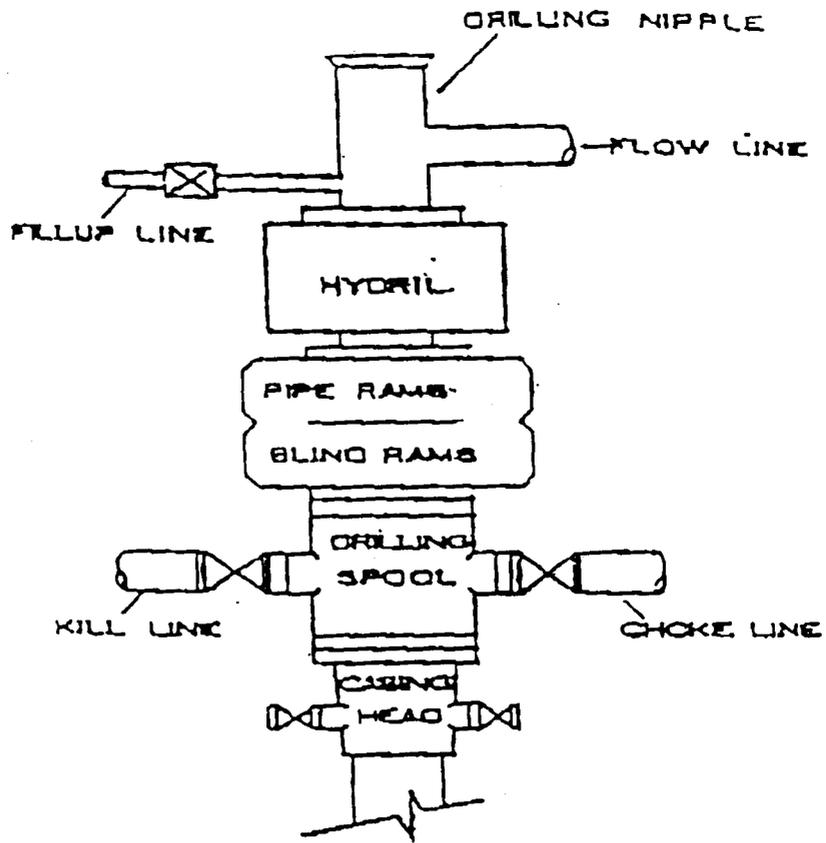
<u>Title</u>	<u>Name</u>	<u>Office Phone</u>
Company Representative (Roosevelt)	Mitchiel Hall	1-435-722-4521
Company Representative (Oklahoma)	Carla Christian	1-405-749-5263
Agent for Dominion	Don Hamilton	1-435-637-4075

**Certification:**

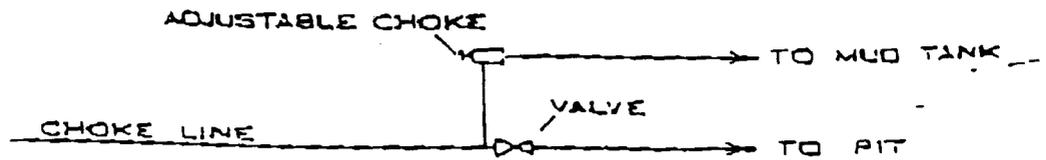
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated 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: 7-11-03

## BOF STACK



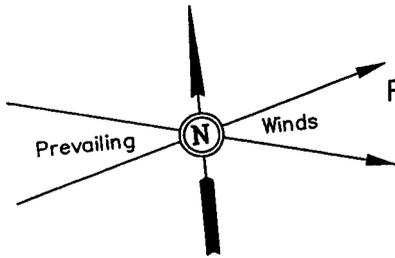
## CHOKE MANIFOLD



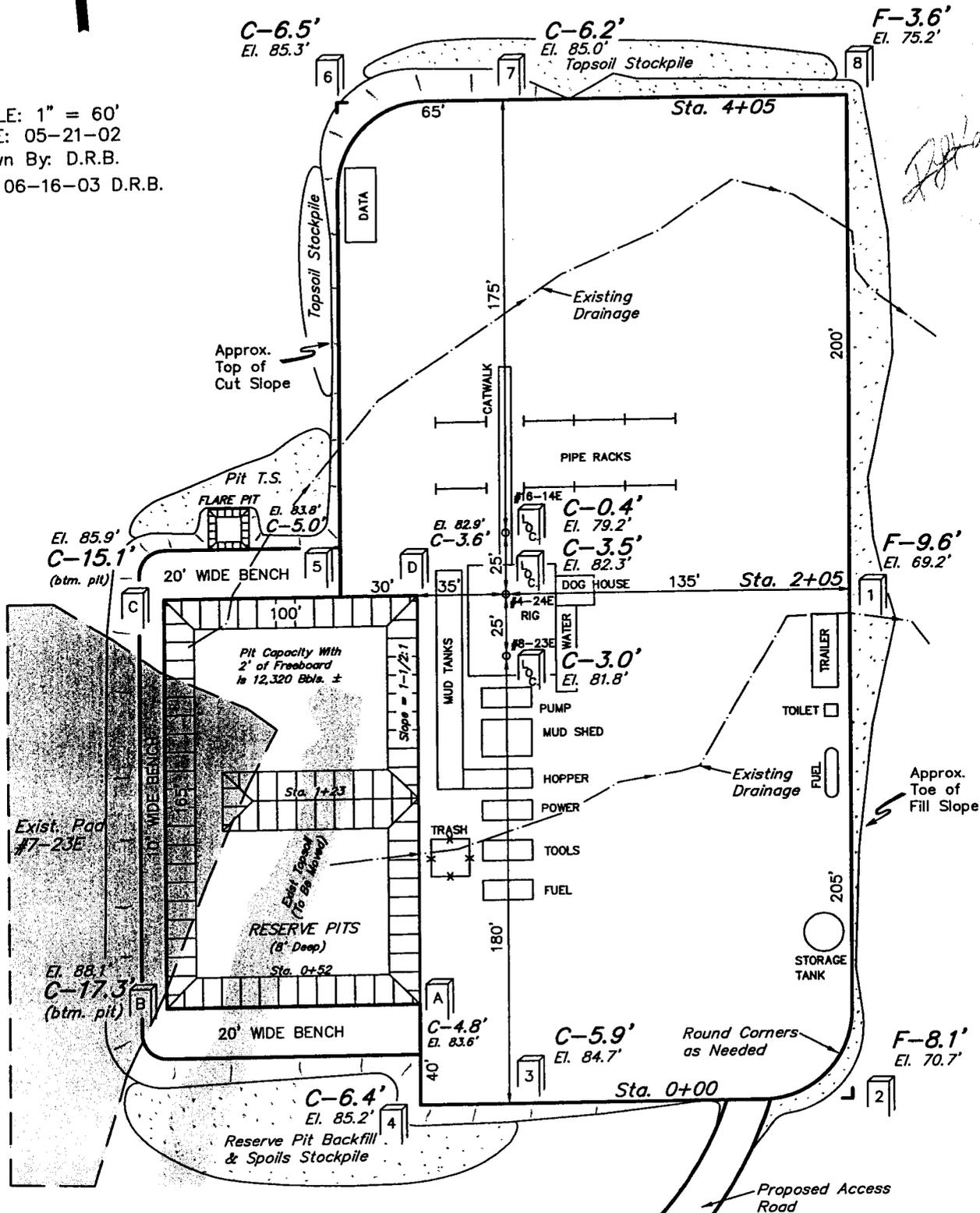
# DOMINION EXPLR. & PROD., INC.

## LOCATION LAYOUT FOR

RBU #4-24E, RBU #8-23E & RBU #16-14E  
SECTION 23, T10S, R19E, S.L.B.&M.  
NE 1/4 NE 1/4



SCALE: 1" = 60'  
DATE: 05-21-02  
Drawn By: D.R.B.  
Revised: 06-16-03 D.R.B.



Elev. Ungraded Ground at Location Stake = 5182.3'  
Elev. Graded Ground at Location Stake = 5178.8'

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

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

**TYPICAL CROSS SECTIONS FOR**

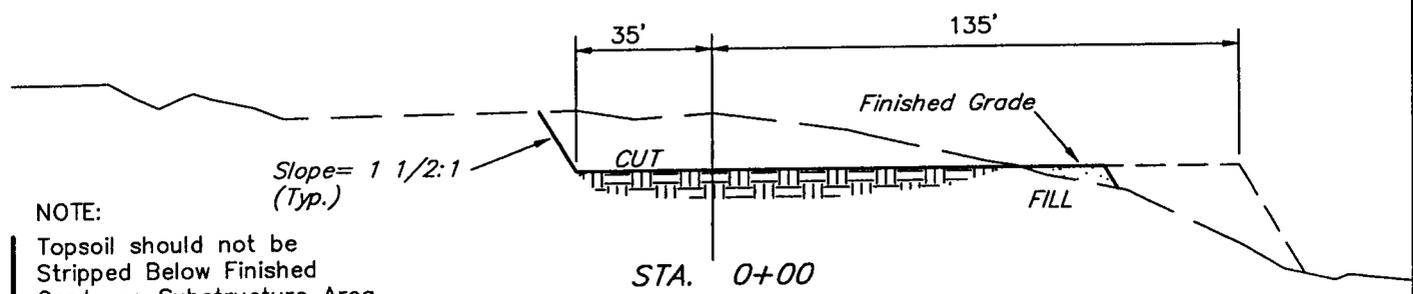
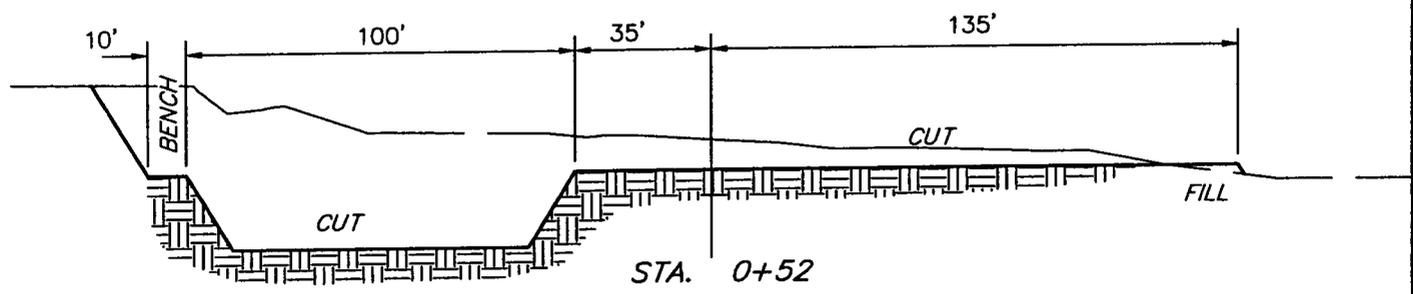
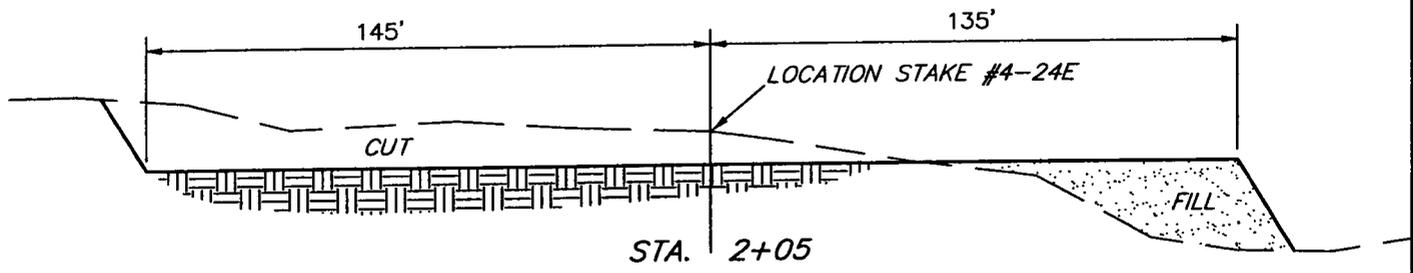
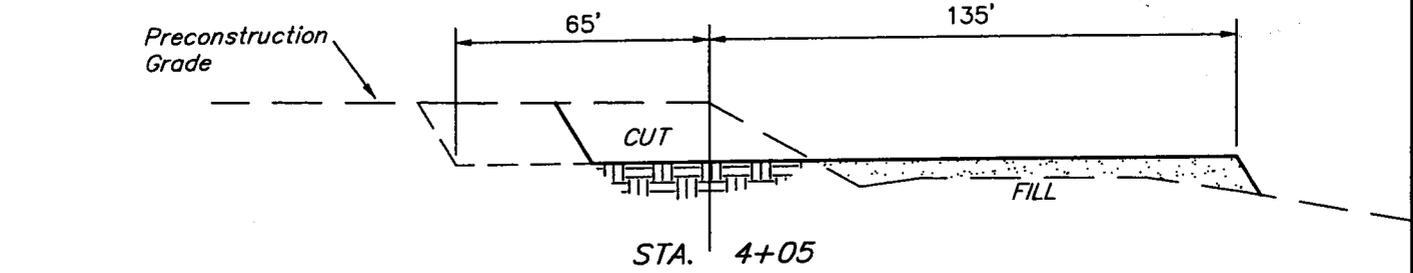
**RBU #4-24E, RBU #8-23E & RBU #16-14E**  
**SECTION 23, T10S, R19E, S.L.B.&M.**  
**NE 1/4 NE 1/4**



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

DATE: 05-21-02  
 Drawn By: D.R.B.

Revised: 06-16-03 D.R.B.



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

**APPROXIMATE YARDAGES**

<b>CUT</b>	
(6") Topsoil Stripping	= 1,790 Cu. Yds.
Remaining Location	= 10,940 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 12,730 CU.YDS.</b>
<b>FILL</b>	<b>= 6,560 CU.YDS.</b>

<b>EXCESS MATERIAL AFTER 5% COMPACTION</b>	<b>= 5,820 Cu. Yds.</b>
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,640 Cu. Yds.
<b>EXCESS UNBALANCE (After Rehabilitation)</b>	<b>= 2,180 Cu. Yds.</b>

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

**DOMINION EXPLR. & PROD., INC.**  
**RBU #4-24E, RBU #8-23E, & RBU #16-14E**  
 LOCATED IN UINTAH COUNTY, UTAH  
 SECTION 23, T10S, R19E, S.L.B.&M.

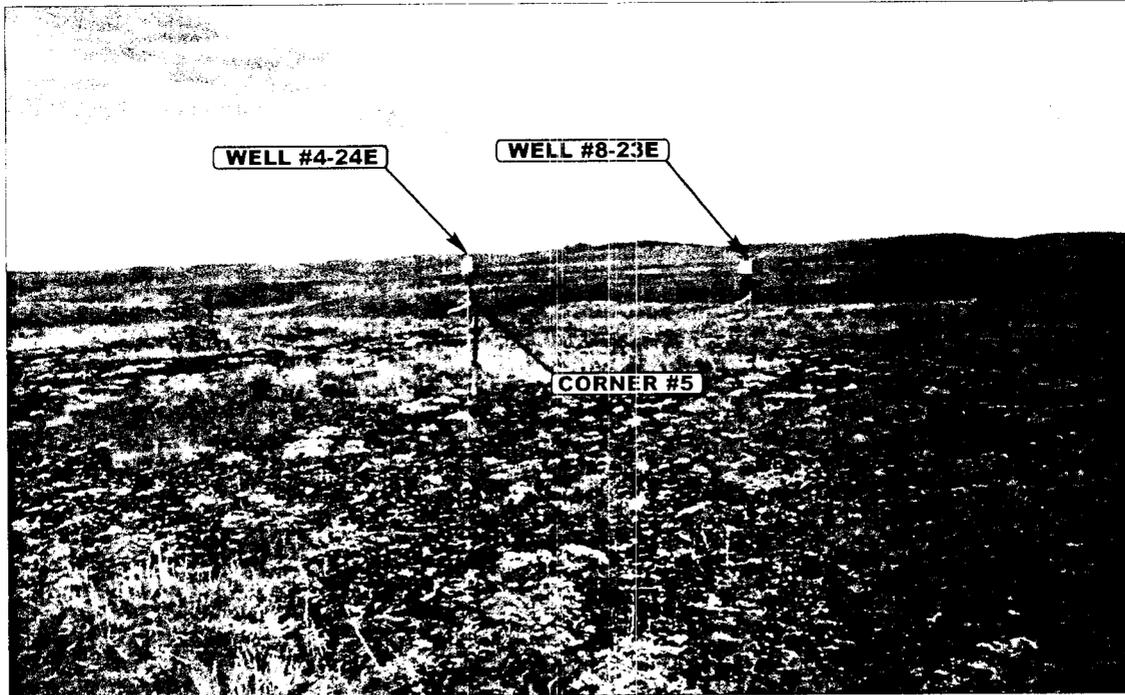


PHOTO: VIEW FROM CORNER #5 TO WELL LOCATIONS

CAMERA ANGLE: EASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

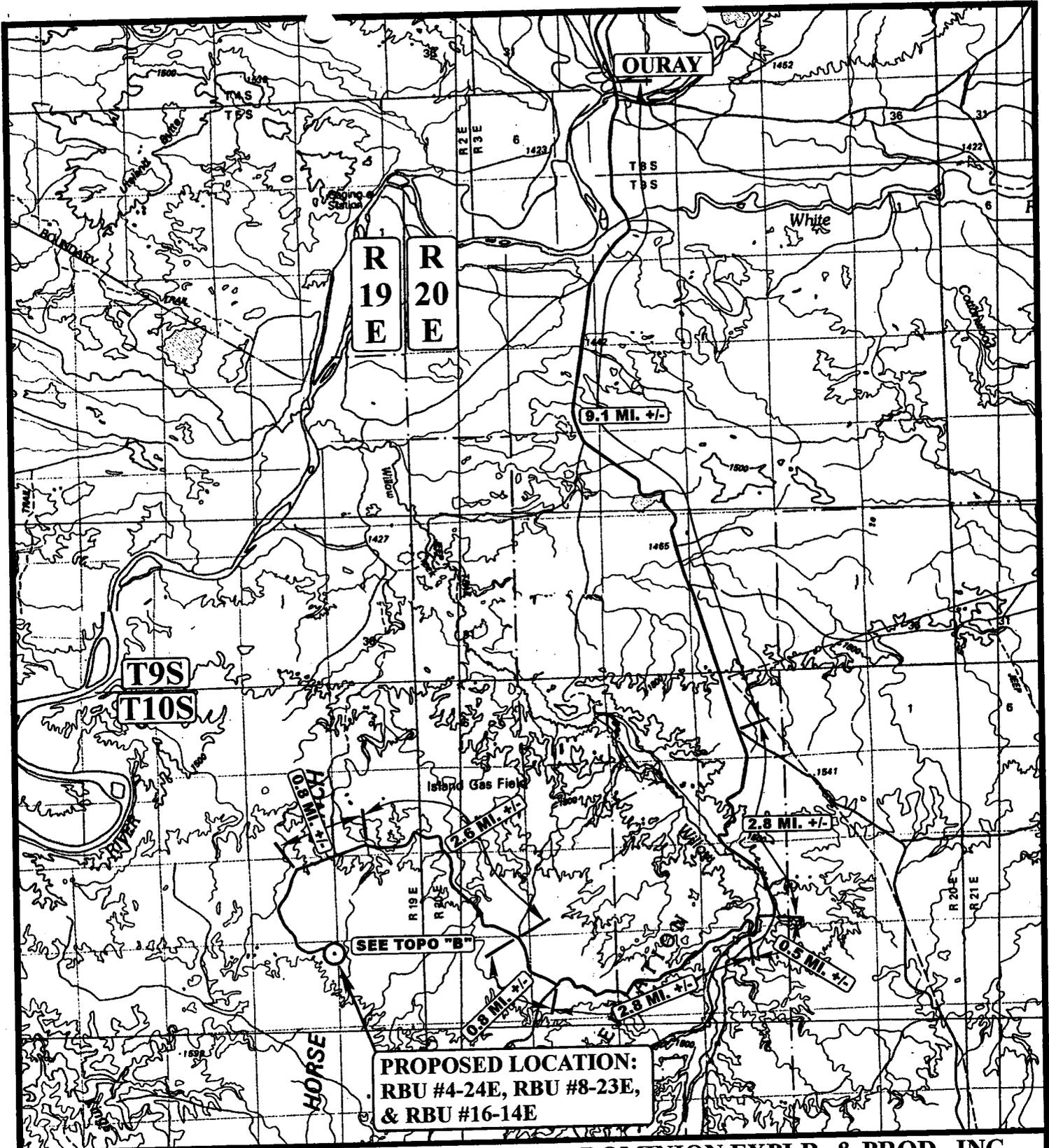
CAMERA ANGLE: SOUTHEASTERLY



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

- Since 1964 -

LOCATION PHOTOS	5	22	02	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: D.K.	DRAWN BY: P.M.	REVISED: 06-13-03		



**PROPOSED LOCATION:**  
 RBU #4-24E, RBU #8-23E,  
 & RBU #16-14E

**LEGEND:**

○ PROPOSED LOCATION

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

RBU #4-24E, RBU #8-23E, & RBU #16-14E  
 SECTION 23, T10S, R19E, S.L.B.&M.  
 NE 1/4 NE 1/4



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



TOPOGRAPHIC  
 MAP

5	22	02
MONTH	DAY	YEAR

SCALE: 1:100,000 DRAWN BY: P.M. REVISED: 06-13-03



T10S

OURAY 18.6 MI. +/-

0.8 MI. +/-

1.5 MI. +/-

**PROPOSED LOCATION:  
RBU #4-24E, RBU #8-23E,  
& RBU #16-14E**

**PROPOSED ACCESS 300' +/-**

R  
19  
E

R  
20  
E

**LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



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

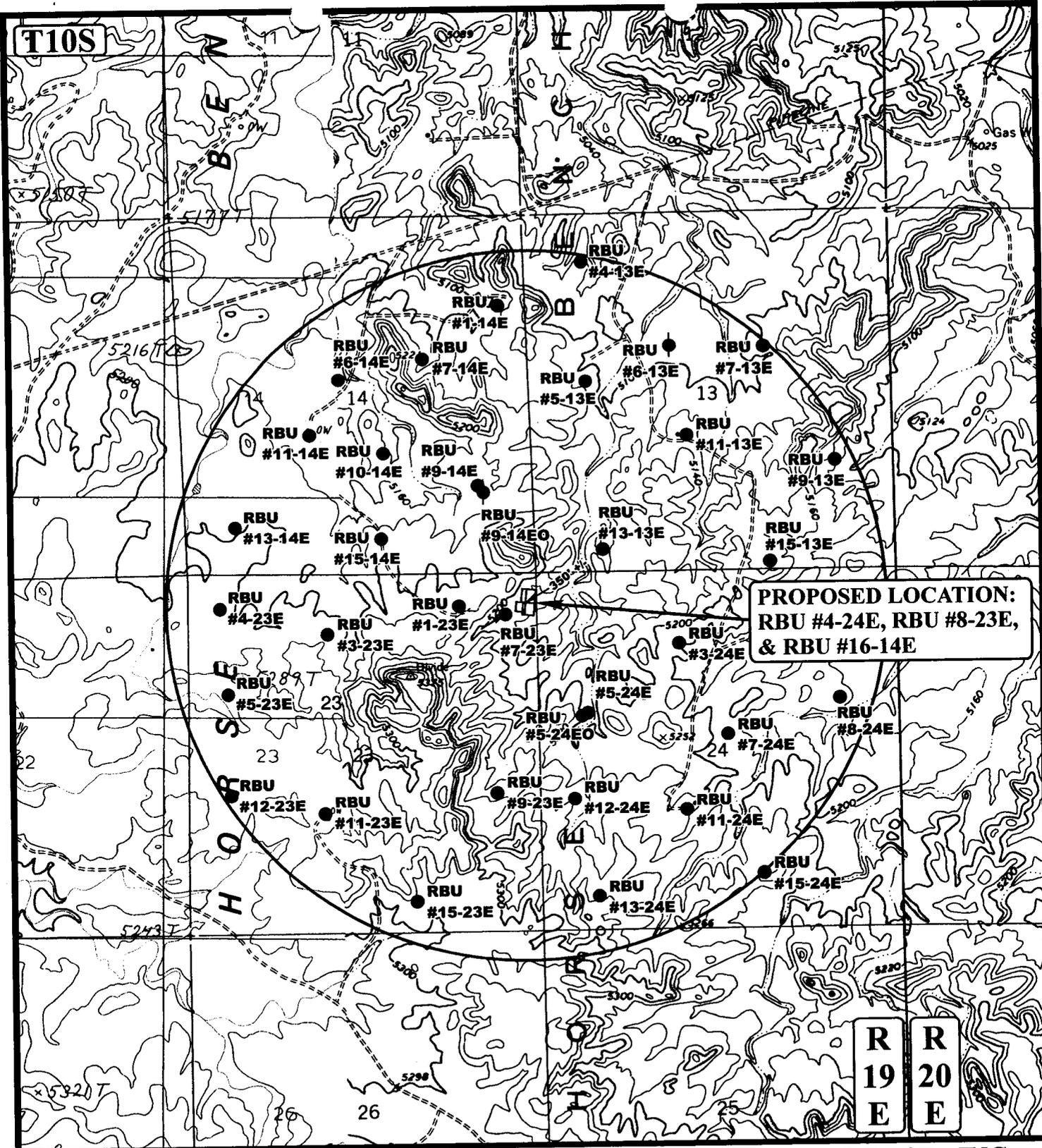
**RBU #4-24E, RBU #8-23E, & RBU #16-14E  
SECTION 23, T10S, R19E, S.L.B.&M.  
NE 1/4 NE 1/4**



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

**TOPOGRAPHIC** 5 22 02  
**MAP** MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 06-13-03





**PROPOSED LOCATION:  
 RBU #4-24E, RBU #8-23E,  
 & RBU #16-14E**

**LEGEND:**

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

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

**RBU #4-24E, RBU #8-23E, & RBU #16-14E  
 SECTION 23, T10S, R19E, S.L.B.&M.  
 NE 1/4 NE 1/4**

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



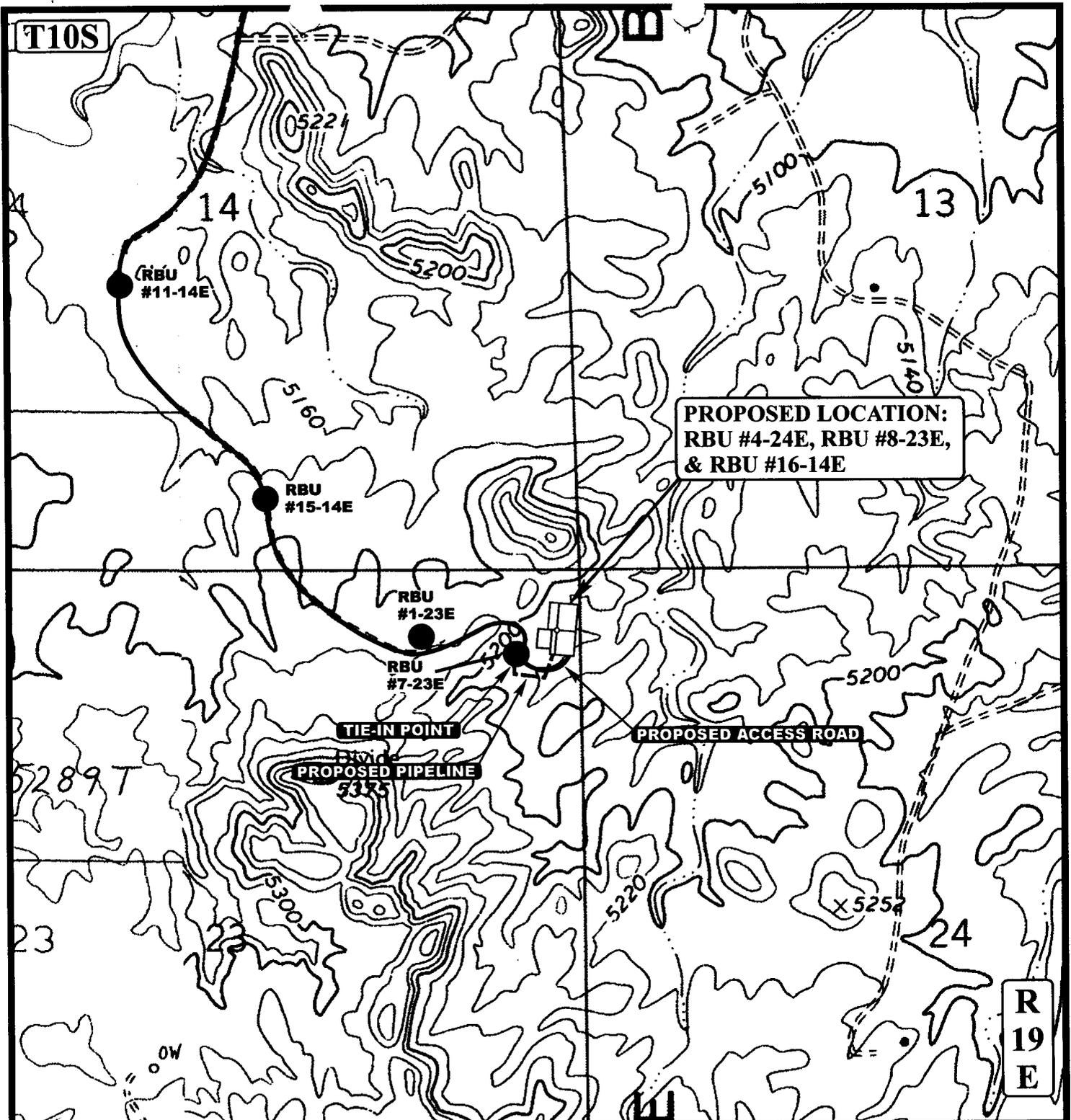
**TOPOGRAPHIC MAP**

SCALE: 1" = 2000'	DRAWN BY: P.M.	REVISED: 06-13-03
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5	22	02
MONTH	DAY	YEAR

C

TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 500' +/-

**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



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

RBU #4-24E, RBU #8-23E, & RBU #16-14E  
 SECTION 23, T10S, R19E, S.L.B.&M.  
 NE 1/4 NE 1/4



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

TOPOGRAPHIC MAP  
 SCALE: 1" = 1000' DRAWN BY: P.M. REVISED: 06-13-03

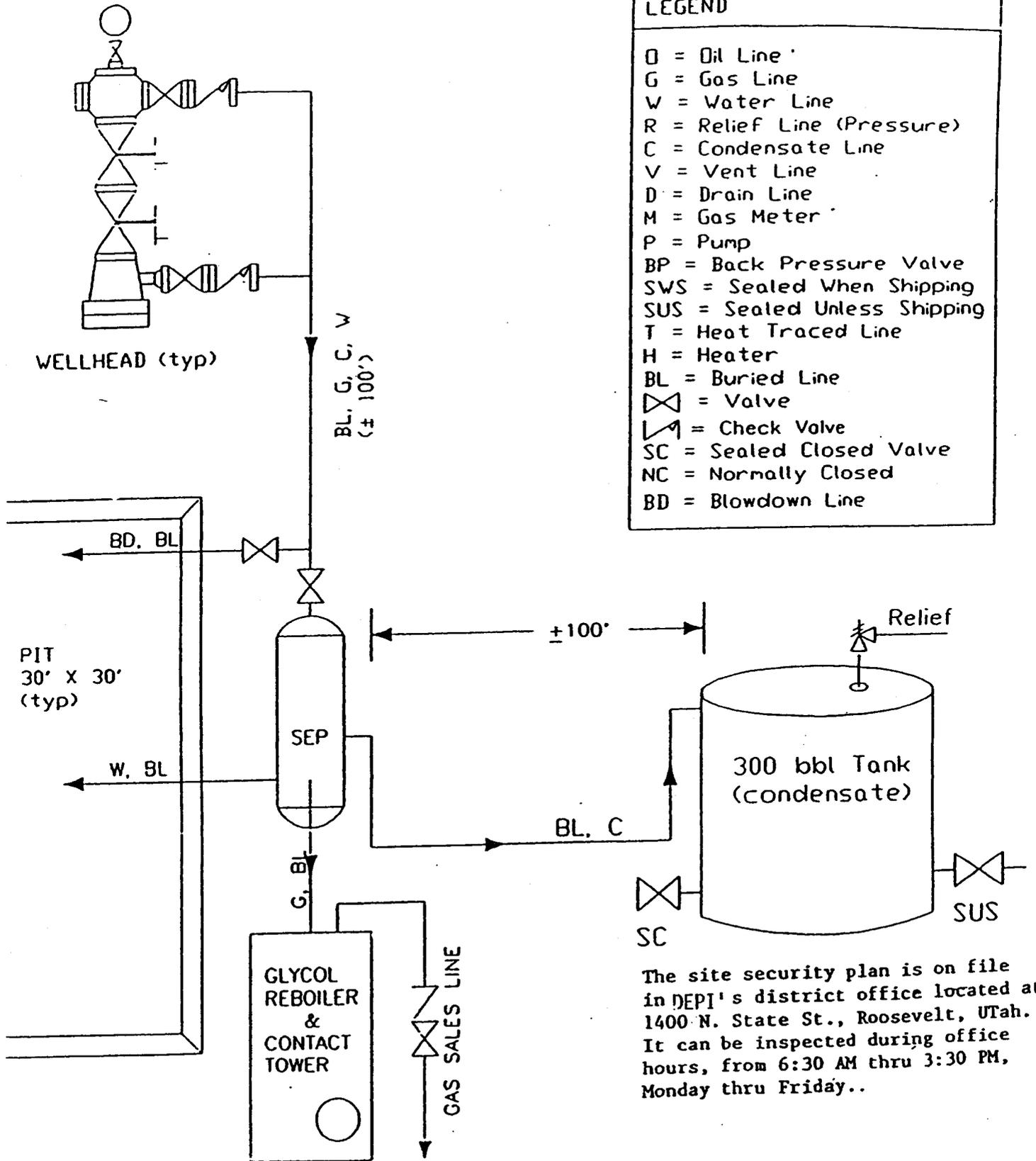
5	22	02
MONTH	DAY	YEAR



CONFIDENTIAL

LEGEND

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



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

DOMINION EXPLORATION & PRODUCTION, INC.

not to scale

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/14/2003

API NO. ASSIGNED: 43-047-35086

WELL NAME: RBU 16-14E

OPERATOR: DOMINION EXPL & PROD ( N1095 )

CONTACT: DON HAMILTON

PHONE NUMBER: 435-687-5310

PROPOSED LOCATION:

NENE 23 100S 190E

SURFACE: 0391 FNL 0159 FEL

*SESE* BOTTOM: 0500 FSL 0650 FEL *See 14*

UINTAH

NATURAL BUTTES ( 630 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: U-013792

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSTC

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

LATITUDE: 39.93910

LONGITUDE: 109.74035

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 76S63050330 )
- 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)

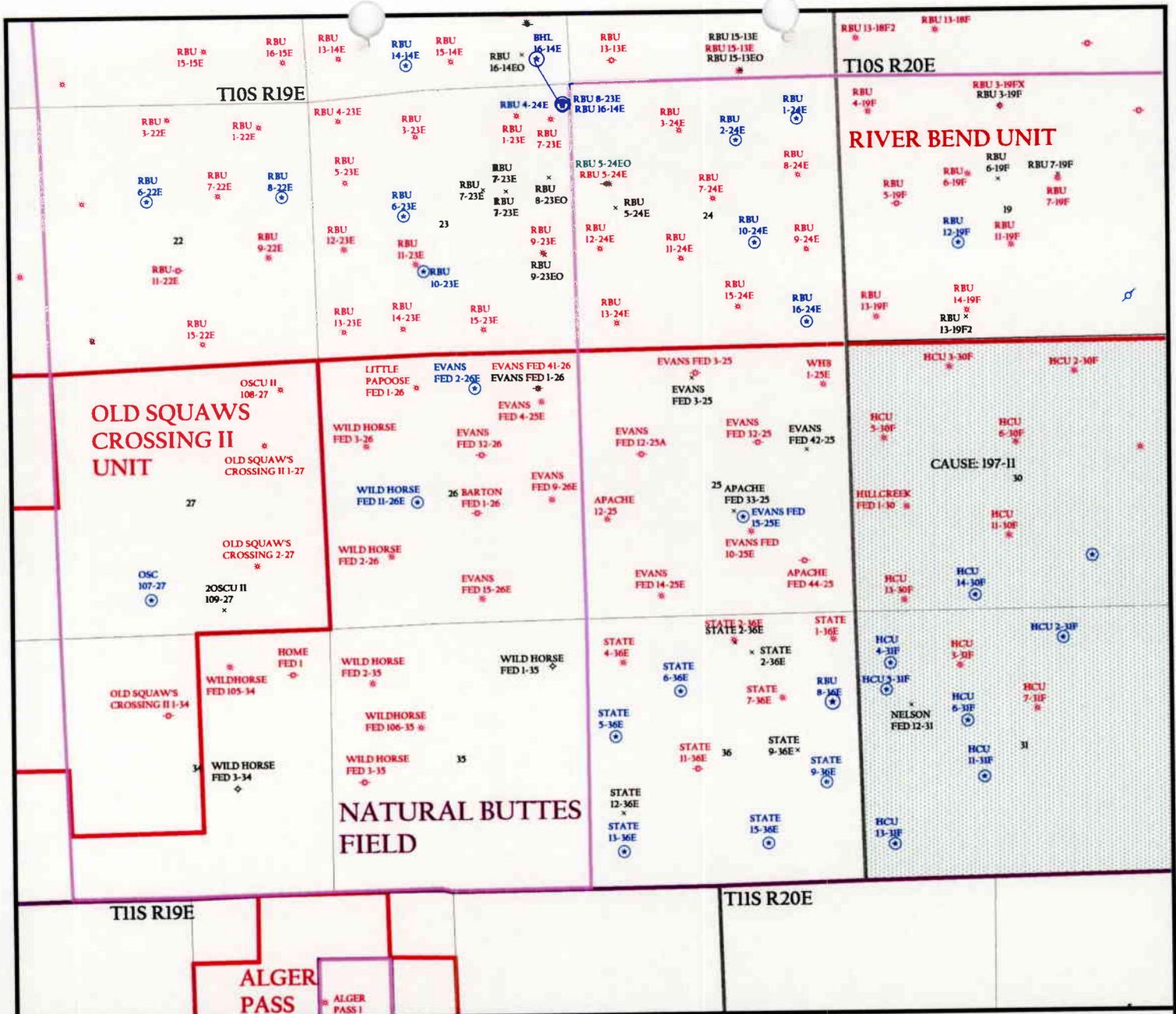
LOCATION AND SITING:

- \_\_\_ R649-2-3.
- Unit RIVER BEND
- \_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- \_\_\_ R649-3-3. Exception
- \_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. **Directional Drill**

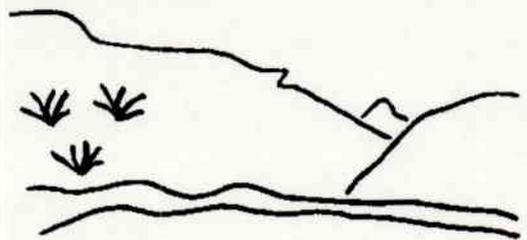
COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

*1- Federal Approval*  
*2- Spacing Strip*



OPERATOR: DOMINION EXPL & PROD (N1095)  
 SEC. 23 T.10S, R.19E  
 FIELD: NATURAL BUTTES (630)  
 COUNTY: UINTAH  
 SPACING: R649-3-11 / DIRECTIONAL DRILLING



Utah Oil Gas and Mining

- | Wells |                     | Unit Status |               |
|-------|---------------------|-------------|---------------|
| •     | GAS INJECTION       | □           | EXPLORATORY   |
| •     | GAS STORAGE         | □           | GAS STORAGE   |
| •     | LOCATION ABANDONED  | □           | NF PP OIL     |
| ⊙     | NEW LOCATION        | □           | NF SECONDARY  |
| •     | PLUGGED & ABANDONED | □           | PENDING       |
| •     | PRODUCING GAS       | ■           | PI OIL        |
| •     | PRODUCING OIL       | ■           | PP GAS        |
| •     | SHUT-IN GAS         | ■           | PP GEOTHERMAL |
| •     | SHUT-IN OIL         | ■           | PP OIL        |
| ×     | TEMP. ABANDONED     | ■           | SECONDARY     |
| •     | TEST WELL           | ■           | TERMINATED    |
| •     | WATER INJECTION     |             |               |
| •     | WATER SUPPLY        |             |               |
| •     | WATER DISPOSAL      |             |               |

- | Field Status |            |
|--------------|------------|
| □            | ABANDONED  |
| ■            | ACTIVE     |
| ■            | COMBINED   |
| ■            | INACTIVE   |
| ■            | PROPOSED   |
| ■            | STORAGE    |
| ■            | TERMINATED |



PREPARED BY: DIANA MASON  
 DATE: 16-JULY-2003

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)

July 17, 2003

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2003 Plan of Development River Bend Unit, Uintah County, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2003 within the River Bend Unit, Uintah County, Utah.

Api Number	Well	Location
------------	------	----------

(Proposed PZ Wasatch)

43-047-35086	RBU 16-14E Sec. 23	T10S R19E 0391 FNL 0159 FEL
	BHL Sec. 14	T10S R19E 0500 FSL 0650 FEL

43-047-35087	RBU 2-3E Sec. 3	T10S R19E 0606 FNL 1732 FEL
43-047-35088	RBU 6-3E Sec. 3	T10S R19E 2070 FNL 2433 FWL

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

/s/ Michael L. Coulthard

bcc: File - River Bend Unit  
 Division of Oil Gas and Mining  
 Agr. Sec. Chron  
 Fluid Chron

MCoulthard:mc:7-17-3



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

July 17, 2003

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

Re: River Bend Unit 16-14E Well, Surface Location 391' FNL, 159' FEL, NE NE, Sec. 23,  
T. 10 South, R. 19 East, Bottom Location 500' FSL, 650' FEL, SE SE, Sec. 14,  
T. 10 South, R. 19 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35086.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

for John R. Baza  
Associate Director

pab  
Enclosures

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCT 29 2003

LEASE DESIGNATION AND SERIAL NO.  
U-013792

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

7. UNIT AGREEMENT NAME  
River Bend Unit

8. FARM OR LEASE NAME, WELL NO.  
RBU 16-14E

9. API WELL NO.  
43-047-35036

10. FIELD AND POOL, OR WILDCAT  
Natural Buttes

11. SEC. T. R. M. OR BLK.  
Section 23  
T10S. R19E. SLB&M

12. COUNTY OR PARISH  
Utah

13. STATE  
Utah

APPLICATION FOR PERMIT TO DRILL OR DEEPEN DIV. OF OIL, GAS & MINING

1a. TYPE OF WORK  
DRILL  DEEPEN

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
Dominion Exploration & Production, Inc.

3. ADDRESS AND TELEPHONE NO.  
14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134, 405-749-6690

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 391' FNL, 159' FEL NE/4 NE/4, Section 23  
At proposed prod. zone 500' FSL, 650' FEL SE/4 SE/4, Section 14

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
10.85 miles southwest of Ouray, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 159'

16. NO. OF ACRES IN LEASE 1,882.2

17. NO. OF ACRES ASSIGNED TO THIS WELL 40 acres

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 25'

19. PROPOSED DEPTH 7,500'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,179' GR

22. APPROX. DATE WORK WILL START\* March 1, 2004

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" H-40 ST&C	48#	500'	450 sacks Class C cement + 2% CaCl <sub>2</sub> + 1/4 #/sk. Poly-E-Flakes
12-1/4"	9-5/8" J-55 LT&C	36#	2,800'	300 sacks Lead and 390 sacks Tail (see Drilling Plan)
7-7/8"	5-1/2" Mav-80 LT&C	17#	7,500'	90 sacks Lead and 600 sacks Tail (see Drilling Plan)

**Bond Information:**

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

**Other Information:**

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

**CONFIDENTIAL**

*UDOGMA*

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

24. SIGNED Don Hamilton Don Hamilton TITLE Agent for Dominion DATE July 11, 2003  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Edwin J. Johnson TITLE acting Assistant Field Manager Mineral Resources DATE 10/24/03

**\*See Instructions On Reverse Side**

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

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Dominion Exploration & Production Inc.  
Well Name & Number: RBU 16-14E  
API Number: 43-047-35086  
Lease Number: UTU - 013766  
Surface Location: NENE Sec. 23 TWN: 10S RNG: 19E  
Bottom Hole Location: SESE Sec. 14 TWN: 10S RNG: 19E  
Agreement: RIVER BEND UNIT

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application 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.

**Submit an electronic copy of all logs run on this well in LAS format. This submission will replace the requirement for submittal of paper logs to the BLM.**

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands encountered to John Mayers of this office prior to setting the next casing string or requesting plugging orders. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **3M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

#### 3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint. Surface casing setting depths are based on ground level elevations only.

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the intermediate casing at least 200 ft. above the top of the Green River Formation, identified at  $\pm 1,430$  ft and having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at 4,530 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vapor proof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

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

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5(d) shall be submitted to the appropriate Field Office within 60 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (1).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.  
All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries and tested for meter accuracy at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office.

All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids

**CONDITIONS OF APPROVAL**

For The Surface Use Program Of The  
Application For Permit To Drill

Company/Operator:	Dominion Exploration and Production Inc.	API Number:
Well Name & Number:	RBU 16-14E	Surface Ownership: BLM
Lease Number:	UTU013766	Date NOS Received: 4/16/03
Location:	SESE Sec. 14, T10S, R19E	Date APD Received: 7/14/03

- No construction or surface disturbing activities are allowed during the golden eagle nesting season of February 1 to July 15. If activity is proposed during that time, a qualified biologist can complete a survey of the nest. No surface disturbing activities are allowed within .5 mile of an active nest until the adults and young have left.
- The seed mix for this location shall be:

Shadscale	<i>Atriplex confertifolia</i>	4 lbs./acre
Galleta grass	<i>Hilaria jamesii</i>	3 lbs./acre
Mat saltbush	<i>Atriplex corrugata</i>	5 lbs./acre

-All pounds are in pure live seed.

-Reseeding may be required if first seeding is not successful.

- 4 to 6 inches of topsoil should be stripped from the location and windrowed as shown on the cut sheet. The topsoil shall then be broadcast seeded with the recommended seed mix immediately after it has been windrowed and the seed walked into the soil with a dozer.
- The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural contours, topsoil respread where appropriate, and the entire location seeded with the recommended seed mix. Seeding should take place by broadcasting the seed and walking it into the soil with a dozer immediately after the dirt work is completed.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

007

**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.*

5. Lease Serial No.  
U-013792

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.  
RBU 16-14E

9. API Well No.  
43-047-35086

10. Field and Pool, or Exploratory  
NATURAL BUTTES

11. County or Parish, and State  
UINTAH COUNTY, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
DOMINION EXPL. & PROD., INC.

Contact: CARLA CHRISTIAN  
E-Mail: Carla\_M\_Christian@dom.com

3a. Address  
14000 QUAIL SPRINGS PARKWAY, SUITE 600  
OKLAHOMA CITY, OK 73134

3b. Phone No. (include area code)  
Ph: 405.749.5263  
Fx: 405.749.6690

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 23 T10S R19E NENE 391FNL 159FEL

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

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

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

The state APD for this well expires July 17, 2004. Dominion is hereby requesting a one year extension.

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

Date: 07-19-04  
By: *[Signature]*

COPY SENT TO OPERATOR  
Date: 7-20-04  
Initials: CHD

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #32952 verified by the BLM Well Information System  
For DOMINION EXPL. & PROD., INC., sent to the Vernal**

Name (Printed/Typed) CARLA CHRISTIAN Title AUTHORIZED REPRESENTATIVE

Signature *Carla Christian* (Electronic Submission) Date 07/12/2004

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

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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

Office \_\_\_\_\_

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 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.

**RECEIVED**

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* JUL 16 2004**



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

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

**API:** 43-047-35086  
**Well Name:** RBU 16-14E  
**Location:** Section 23-10S-19E, 391' FNL & 159' FEL  
**Company Permit Issued to:** Dominion Exploration & Production, Inc.  
**Date Original Permit Issued:** 7/17/2003

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

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

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

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

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

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

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

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

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

Carla Christian  
Signature

7/12/2004  
Date

Title: Regulatory Specialist

Representing: Dominion Exploration & Production, Inc.

**RECEIVED**  
**JUL 16 2004**  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

008

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

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU013792
2. Name of Operator DOMINION EXPL & PRODUCTION INC		6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
3a. Address 14000 QUAIL SPRINGS PKWY, #600 OKLAHOMA CITY, OK 73134-2600		7. If Unit or CA/Agreement, Name and/or No. UTU63054A
3b. Phone No. (include area code) Ph: 405.749.5263 Fx: 405.749.6690		8. Well Name and No. RBU 16-14E
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T10S R19E NENE 391FNL 159FEL		9. API Well No. 43-047-35086-00-X1
		10. Field and Pool, or Exploratory RIVER BEND
		11. County or Parish, and State UINTAH COUNTY, 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"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A PD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

The state APD for this well expires July 17, 2004. Dominion is hereby requesting a one year extension.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #32952 verified by the BLM Well Information System For DOMINION EXPL &amp; PRODUCTION INC. sent to the Vernal Committed to AFMSS for processing by LESLIE WALKER on 07/22/2004 (04LW4418SE)</b>	
Name (Printed/Typed) CARLA CHRISTIAN	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 07/12/2004

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

Approved By <u>KIRK FLEETWOOD</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>07/27/2004</u>
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 <u>Vernal</u>

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**Revisions to Operator-Submitted EC Data for Sundry Notice #32952**

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	U-013792	UTU013792
Agreement:		UTU63054A
Operator:	DOMINION EXPL. & PROD., INC. 14000 QUAIL SPRINGS PARKWAY, SUITE 600 OKLAHOMA CITY, OK 73134 Ph: 405.749.5263 Fx: 405.749.6690	DOMINION EXPL & PRODUCTION INC 14000 QUAIL SPRINGS PKWY, #600 OKLAHOMA CITY, OK 73134-2600 Ph: 405.749.5273
Admin Contact:	CARLA CHRISTIAN AUTHORIZED REPRESENTATIVE E-Mail: Carla_M_Christian@dom.com  Ph: 405.749.5263 Fx: 405.749.6690	CARLA CHRISTIAN AUTHORIZED REPRESENTATIVE E-Mail: Carla_M_Christian@dom.com  Ph: 405.749.5263 Fx: 405.749.6690
Tech Contact:		
Location:		
State:	UT	UT
County:	UINTAH	UINTAH
Field/Pool:	NATURAL BUTTES	RIVER BEND
Well/Facility:	RBU 16-14E Sec 23 T10S R19E NENE 391FNL 159FEL	RBU 16-14E Sec 23 T10S R19E NENE 391FNL 159FEL

Dominion Exploration and Prod. Inc.  
APD Extension

Well: RBU 16-14E

Location: NENE Sec. 23 T10S, R19E

Lease: U-013792

**Conditions of Approval**

An extension for the referenced APD is granted with the following condition(s):

1. The extension will expire 10/24/05
2. No other extensions beyond that time frame will be granted or allowed.

If you have any other questions concerning this matter, please contact Kirk Fleetwood at (435) 781-4486.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**RBU 16-14E**

9. API Well No.  
**43-047-35086**

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

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

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**Confidential**  
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)  
**391' FNL & 159' FEL, NENE, Sec. 23-10S-19E - Surface Location**  
**500' FSL & 650' FEL, Sec. 14-10S-19E - Bottom Hole**

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

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

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

The state APD for this well expires July 17, 2005. Dominion is hereby requesting a one year extension.

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

Date: 07-12-05  
By: *[Signature]*

**COPY SENT TO OPERATOR**  
Date: 7-12-05  
Initials: [Signature]

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

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

Signature *Carla Christian* Date **7/07/2005**

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

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

Office \_\_\_\_\_

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**RECEIVED**  
**JUL 11 2005**

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:** 43-047-35086  
**Well Name:** RBU 16-14E  
**Location:** Section 23-10S-19E, 391' FNL & 159' FEL  
**Company Permit Issued to:** Dominion Exploration & Production, Inc.  
**Date Original Permit Issued:** 7/17/2003

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

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

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

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

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

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

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

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

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

Carla Christian  
Signature

7/7/2005  
Date

Title: Regulatory Specialist

Representing: Dominion Exploration & Production, Inc.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUL 11 2005

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

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

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)  
 391' FNL & 159' FEL, NENE, Sec. 23-10S-19E - Surface Location  
 500' FSL & 650' FEL, Sec. 14-10S-19E - Bottom Hole

5. Lease Serial No.  
 U-013792

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
 RBU 16-14E

9. API Well No.  
 43-047-35086

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"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other APD Expiration.

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

The state APD for this well expires July 17, 2005. Dominion is hereby requesting a one year extension

*EXPIRES 10/24/05*

VERNAL DIST.  
 ENG. \_\_\_\_\_  
 GEOL. \_\_\_\_\_  
 E.S. \_\_\_\_\_  
 PET. \_\_\_\_\_  
 A.M. \_\_\_\_\_

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

Name (Printed/Typed) Carla Christian Title Regulatory Specialist

Signature Carla Christian Date 7/07/2005

Approved by Denise Title \_\_\_\_\_ Date AUG 03 2005

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

Office \_\_\_\_\_

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RECEIVED

SEP 09 2005

DIV. OF OIL, GAS & MINING

UDOGM

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

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

**API:** 43-047-35086  
**Well Name:** RBU 16-14E  
**Location:** Section 23-10S-19E, 391' FNL & 159' FEL  
**Company Permit Issued to:** Dominion Exploration & Production, Inc.  
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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

Carla Christian  
Signature

7/7/2005  
Date

Title: Regulatory Specialist

Representing: Dominion Exploration & Production, Inc.

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

FORM 6

**ENTITY ACTION FORM**

Operator: Dominion Exploration & Production, Inc.  
Address: 14000 Quail Springs Parkway, Suite 600  
city Oklahoma City  
state Ok zip 73134

Operator Account Number: N 1095  
Phone Number: (405) 749-1300

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-35086	RBU 16-14E		NENE	23	10S	19E	Utah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>AB</i>	<i>99999</i>	<i>7050</i>	<i>9/16/2005</i>		<i>10/20/05</i>		
Comments: <i>WSTC = WSMVD</i> <span style="float: right;"><b>CONFIDENTIAL J</b></span>							

**Well 2**

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

**Well 3**

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

**ACTION CODES:**

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

Carla Christian

Name (Please Print)

*Carla Christian*

Signature

Regulatory Specialist

Title

10/14/2005

Date

**RECEIVED**  
**OCT 18 2005**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

1. Type of Well

Oil Well  Gas Well  Other

CONFIDENTIAL

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)

391' FNL & 159' FEL, NENE, Sec. 23-10S-19E - Surface Location  
500' FSL & 650' FEL, Sec. 14-10S-19E - Bottom Hole

5. Lease Serial No.

U-013792

6. If Indian, Allottee or Tribe Name

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

River Bend Unit

8. Well Name and No.

RBU 16-14E

9. API Well No.

43-047-35086

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 type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off		
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input 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	Spud Well.		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal			

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

Spud well 9/16/05. 9/16/05 ran 12 jts. 13 3/8", 48#, H-40, ST&C csg., set @ 523'. Cemented w/500 sks Class G mixed @ 15.8 ppg, 1.15 yld., 15 bbls cmt. To pit.

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

Name (Printed/Typed)

Carla Christian

Title Regulatory Specialist

Signature

*Carla Christian*

Date 10/17/2005

Approved by

Title

Date

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

Office

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RECEIVED  
OCT 19 2005  
DIV. OF OIL, GAS & MINING

# FACSIMILE COVER PAGE

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To : Utah Division of Oil, Gas & Mining

From : g

Sent : 8/2/2006 at 2:09:08 PM

Pages : 3 (including Cover)

Subject : RBU 16-14E <sup>19</sup> T105 R-20E S-<sup>23</sup> H

43-047-~~36605~~ 35086

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RECEIVED

AUG 02 2006

DIV. OF OIL, GAS & MINING



## WELL CHRONOLOGY REPORT

**WELL NAME : RBU 16-14E**

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 391' FNL 159' FEL SEC 23 T 10S R 19E

COUNTY &amp; STATE : UINTAH

UT

CONTRACTOR :

WI % : 100.00 AFE # : 0503148

API # : 43-047-35086

PLAN DEPTH : 8,390

SPUD DATE : 09/16/05

DHC : \$1,272,000

CWC : \$642,080

AFE TOTAL : \$1,914,080

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$447,081.00

EVENT CC : \$0.00

EVENT TC : \$447,081.00

WELL TOTL COST : \$455,224

**REPORT DATE: 09/17/05** MD: 550 TVD: 550 DAYS: 0 MW: VISC:   
 DAILY : DC: \$92,026.00 CC: \$0.00 TC: \$92,026.00 CUM: DC: \$92,026.00 CC: \$0.00 TC: \$92,026.00   
 DAILY DETAILS : MIRU BILL JRS #4. SPUD WELL ON 9--16-05 @ 7AM. DRILL 550' OF 17" HOLE. RUN 12 JT'S 13.375" CSGN. SET @ 523'. CEMENT W/ 500 SKS CLASS G MIXED @ 15.8 PPG & 1.15 YLD. W/ 15 BBLs CEMENT TO PIT,

**REPORT DATE: 07/25/06** MD: 697 TVD: 697 DAYS: MW: 8.6 VISC: 26   
 DAILY : DC: \$36,950.00 CC: \$0.00 TC: \$36,950.00 CUM: DC: \$128,976.00 CC: \$0.00 TC: \$128,976.00   
 DAILY DETAILS : PU BHA WORK ON CATHEAD PU BHA WORK ON ROTARY TABLE DRLG CEMENT FLT AND SHOE WORK ON CATHEAD DIREC DRLG F/ 523 TO 697

**REPORT DATE: 07/26/06** MD: 1,405 TVD: 1,405 DAYS: MW: 8.6 VISC: 26   
 DAILY : DC: \$39,765.00 CC: \$0.00 TC: \$39,765.00 CUM: DC: \$168,741.00 CC: \$0.00 TC: \$168,741.00   
 DAILY DETAILS : DIREC DRLG F/ 697 TO 1153 RIG SERVICE DIREC DRLG F/ 1153 TO 1214 REPLACE VALVE GASKET DIREC DRLG F/ 1214 TO 1341 REPLACE SWAB DIREC DRLG F/ 1341 TO 1405

**REPORT DATE: 07/27/06** MD: 2,101 TVD: 2,001 DAYS: MW: 8.6 VISC: 26   
 DAILY : DC: \$42,755.00 CC: \$0.00 TC: \$42,755.00 CUM: DC: \$211,496.00 CC: \$0.00 TC: \$211,496.00   
 DAILY DETAILS : DIREC DRLG F/ 1405 TO 1722 RIG SERVICE DIREC DRLG F/ 1722 TO 2101

**REPORT DATE: 07/28/06** MD: 2,735 TVD: 2,535 DAYS: MW: 8.6 VISC: 26   
 DAILY : DC: \$38,920.00 CC: \$0.00 TC: \$38,920.00 CUM: DC: \$250,416.00 CC: \$0.00 TC: \$250,416.00   
 DAILY DETAILS : DIREC DRLG F/ 2101 TO 2165 RIG SERVICE DIREC DRLG F/ 2165 TO 2190 REPLACE LINER DIREC DRLG F/ 2190 TO 2735

**REPORT DATE: 07/29/06** MD: 3,307 TVD: 3,107 DAYS: 16 MW: 8.6 VISC: 26   
 DAILY : DC: \$40,280.00 CC: \$0.00 TC: \$40,280.00 CUM: DC: \$290,696.00 CC: \$0.00 TC: \$290,696.00   
 DAILY DETAILS : DRLG F/ 2735 TO 2926 RIG SERVICE TOOH CHG BIT TIH DIREC DRLG F/ 2926 TO 3307

**REPORT DATE: 07/30/06** MD: 3,565 TVD: 3,365 DAYS: 17 MW: 8.6 VISC: 26   
 DAILY : DC: \$41,945.00 CC: \$0.00 TC: \$41,945.00 CUM: DC: \$332,641.00 CC: \$0.00 TC: \$332,641.00   
 DAILY DETAILS : DIREC DRLG F/ 3307 TTO 3565 TOOH LD 8" TOOLS RU CSG CREW AND RUN 82 JTS OF 9 5/8 36#, J-55 ST&C 8RD CSG TO 3547 RU CEMENTERS AND CEMENT CSG W/ 463 SKS OF CBM LITE W/ .25#/SK FLOCELE, 10#/SK GILSONITE, 2% CALC CHLOR, 10.5 PPG, 4.14 CUFT/SK, 26.08 GAL WATER/SK FOLLOWED BY 255SKS OF PREM PLUS W/ 2% CALC CHLOR, .25#/SK FLOCELE, 15.6 PPG, 1.15 CUFT/SK, 5.20 GAL WATER/SK, DISP W/ H2O BUMPED PLUG FLOATS HELD RELEASE CEMENTERS NU BOPE

**REPORT DATE: 07/31/06** MD: 3,565 TVD: 3,365 DAYS: 18 MW: 8.6 VISC: 26   
 DAILY : DC: \$37,550.00 CC: \$0.00 TC: \$37,550.00 CUM: DC: \$370,191.00 CC: \$0.00 TC: \$370,191.00   
 DAILY DETAILS : NU BOPE TEST BOPE / HCR VALVE FAILED WAIT ON HCR VALVE TEST BOPE TIH

# RECEIVED

## AUG 2 2006



## WELL CHRONOLOGY REPORT

**WELL NAME : RBU 16-14E**

DISTRICT : WESTERN

COUNTY &amp; STATE : UINTAH

WM % : 100.00 AFE # : 0503148

DHC : \$1,272,000

EVENT DC : \$447,081.00

FIELD : NATURAL BUTTES 630

UT

API # : 43-047-35086

AFE TOTAL : \$1,914,080

CWC : \$642,080

EVENT CC : \$0.00

Event No: 1

LOCATION : 391' FNL 159' FEL SEC 23 T 10S R 19E

CONTRACTOR :

PLAN DEPTH : 8,390

SPUD DATE : 09/16/05

FORMATION : WASATCH/MESAVERDE

WELL TOTL COST : \$455,224

**REPORT DATE: 08/01/06**

MD : 5,766

TVD : 5,646

DAYS : 19

MW : 8.6

VISC : 26

DAILY : DC : \$38,445.00

CC : \$0.00

TC : \$38,445.00

CUM : DC : \$408,636.00

CC : \$0.00

TC : \$408,636.00

DAILY DETAILS : TIH DRLG CEMENT FLT AND SHOE DRLG F/ 3565 TO 3606 FIT AND SURVEY DRLG F/ 3606 TO 5191 SURVEY @ 5100 3 DEG DRLG F/ 5191 TO 5766

**REPORT DATE: 08/02/06**

MD : 7,725

TVD : 7,600

DAYS : 20

MW : 8.6

VISC : 26

DAILY : DC : \$38,445.00

CC : \$0.00

TC : \$38,445.00

CUM : DC : \$447,081.00

CC : \$0.00

TC : \$447,081.00

DAILY DETAILS : DRLG F/ 5766 TO 6047 RIG SERVICE DRLG F/ 6047 TO 6142 SURVEY @ 6062 2 DEG 201AZ DRLG F/ 6142 TO 7249 SURVEY @ 7170 1.75 DEG 201 AZ DRLG F/ 7249 TO 7725

**RECEIVED**
**AUG 02 2006**

DIV. OF OIL, GAS &amp; MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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*SUBMIT IN TRIPLICATE - Other instructions on reverse side*

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Dominion Exploration & Production, Inc.

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

3b. Phone No. (include area code)  
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7. If Unit or CA/Agreement, Name and/or No.

River Bend Unit

8. Well Name and No.

RBU 16-14E

9. API Well No.

43-047-35086

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 type="checkbox"/> Other		
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon			
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal			

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

Dominion request permission to change the TD from 7,500' to 8,650'. The cement volumes have been adjusted accordingly. Attached is a new directional and drilling plan reflecting the changes.

Approved by the  
Utah Division of  
Oil, Gas and Mining  
Date: 07-27-06  
By: *[Signature]*

COPY SENT TO OPERATOR  
Date: 8-21-06  
Initials: LHO

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

Carla Christian

Title Sr. Regulatory Specialist

Signature

*[Signature]*

Date 7/19/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

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

RECEIVED

JUL 25 2006

DIV. OF OIL, GAS & MINING

# 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 16-14E  
SHL: 391' FNL & 159' FEL Section 23-10S-19E  
BHL: 500' FSL & 650' FEL Section 14-10S-19E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Green River	1,325'
Wasatch Tongue	4,235'
Green River Tongue	4,565'
Wasatch	4,725'
Chapita Wells	5,625'
Uteland Buttes	6,825'
Mesaverde	7,775'

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

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Green River	1,325'	Oil
Wasatch Tongue	4,235'	Oil
Green River Tongue	4,565'	Oil
Wasatch	4,725'	Gas
Chapita Wells	5,625'	Gas
Uteland Buttes	6,825'	Gas
Mesaverde	7,775'	Gas

4. PROPOSED CASING PROGRAM

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

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,475'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,650'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

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

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

## DRILLING PLAN

### APPROVAL OF OPERATIONS

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

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

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

#### 6. MUD SYSTEMS

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

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' – 500'	8.4	Air foam mist, no pressure control
500' – 3,475'	8.6	Fresh water, rotating head and diverter
2,800' – 8,650'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

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

#### 8. AUXILIARY EQUIPMENT TO BE USED

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

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

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

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

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

#### 11. WATER SUPPLY

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

**DRILLING PLAN**

**APPROVAL OF OPERATIONS**

**12. CEMENT SYSTEMS**

**a. Surface Cement:**

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

**b. Intermediate Casing Cement:**

- Drill 12-1/4" hole to 3,475'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u>	<u>Cement</u>
					<u>Volume</u>	<u>Volume</u>
Lead	366	0'-2,675'	11.0 ppg	3.82 CFS	658 CF	1,524 CF
Tail	391	2,675'-3,475'	15.6 ppg	1.20 CFS	268 CF	469 CF

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

**Lead Mix:** Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 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 8,650'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u>	<u>Cement</u>
					<u>Volume</u>	<u>Volume</u>
Lead	80	3,925'-4,725'	11.5 ppg	3.12 CFS	139 CF	243 CF
Tail	730	4,725'-8,650'	13.0 ppg	1.75 CFS	729 CF	1275 CF

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

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

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

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

Starting Date:                      ASAP  
Duration:                              14 Days



**Dominion™**

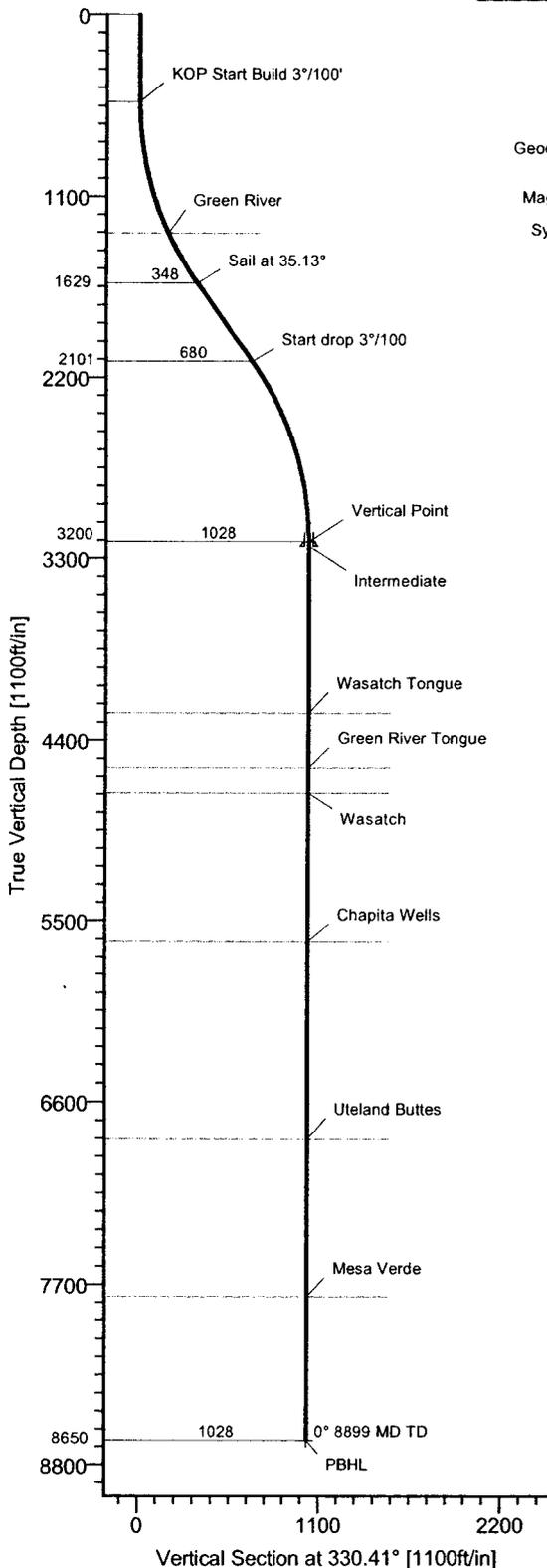
### Dominion Exploration & Production

Field: Uintah County, Utah  
Site: RBU # 16-14E  
Well: RBU 16-14E  
Wellpath: Original Hole  
Plan: Plan #2



Azimuths to True North  
Magnetic North: 11.79°

Magnetic Field  
Strength: 52806nT  
Dip Angle: 65.90°  
Date: 7/19/2006  
Model: igr2005



#### FIELD DETAILS

Uintah County, Utah  
Utah - Natural Buttes  
USA

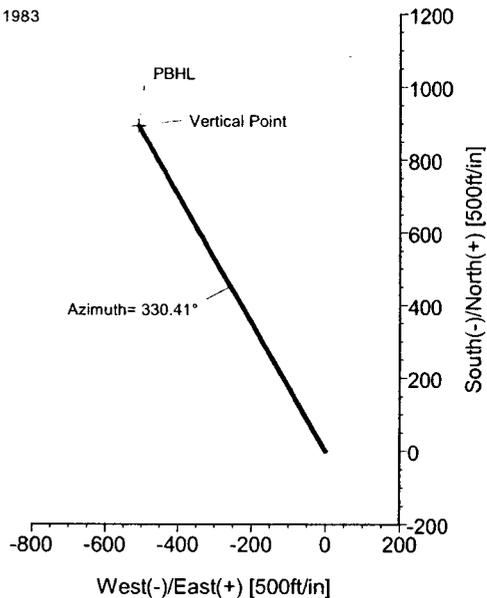
Geodetic System: US State Plane Coordinate System 1983  
Ellipsoid: GRS 1980  
Zone: Utah, Central Zone  
Magnetic Model: igr2005  
System Datum: Mean Sea Level  
Local North: True North

#### SITE DETAILS

RBU # 16-14E  
Sec. 23, 10S, 19E  
Site Centre Latitude: 39°56'20.540N  
Longitude: 109°44'27.280W  
Ground Level: 5179.00  
Positional Uncertainty: 0.00  
Convergence: 1.13

#### WELLPATH DETAILS

Original Hole			
Rig:	Origin +N/-S	Origin +E/-W	Starting From TVD
Patterson 12 RKB Est	0.00	0.00	0.00
Ref. Datum:			5195.00ft



#### WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
RBU 16-14E	0.00	0.00	7151382.90	2133609.66	39°56'20.540N	109°44'27.280W	N/A

#### TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Vertical Point	3200.00	893.83	-507.48	Point
PBHL	8650.00	893.83	-507.48	Point

#### FORMATION TOP DETAILS

No.	TVDPATH	MDPATH	Formation
1	1325.00	1349.96	Green River
2	4235.00	4484.12	Wasatch Tongue
3	4565.00	4814.12	Green River Tongue
4	4725.00	4974.12	Wasatch
5	5625.00	5874.12	Chapita Wells
6	6825.00	7074.12	Uteland Buttes
7	7775.00	8024.12	Mesa Verde

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	330.41	0.00	0.00	0.00	0.00	0.00	0.00	
2	530.00	0.00	330.41	530.00	0.00	0.00	0.00	330.41	0.00	
3	1700.94	35.13	330.41	1628.95	302.50	-171.74	3.00	330.41	347.85	
4	2278.18	35.13	330.41	2101.05	591.33	-335.74	0.00	0.00	680.00	
5	3449.12	0.00	330.41	3200.00	893.83	-507.48	3.00	180.00	1027.85	Vertical Point
6	8899.12	0.00	330.41	8650.00	893.83	-507.48	0.00	0.00	1027.85	PBHL



# Ryan Energy Technologies

## Planning Report



<b>Company:</b> Dominion Exploration & Product	<b>Date:</b> 7/19/2006	<b>Time:</b> 14:59:26	<b>Page:</b> 2
<b>Field:</b> Uintah County, Utah	<b>Co-ordinate(N/E) Reference:</b> Well: RBU 16-14E, True North		
<b>Site:</b> RBU # 16-14E	<b>Vertical (TVD) Reference:</b> RKB Est 5195.0		
<b>Well:</b> RBU 16-14E	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,330.41Azi)		
<b>Wellpath:</b> Original Hole	<b>Plan:</b> Plan #2		

**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
1900.00	35.13	330.41	1791.75	402.10	-228.30	462.39	0.00	0.00	0.00	
2000.00	35.13	330.41	1873.54	452.14	-256.71	519.93	0.00	0.00	0.00	Azimuth= 330.41°
2100.00	35.13	330.41	1955.33	502.18	-285.12	577.47	0.00	0.00	0.00	
2200.00	35.13	330.41	2037.11	552.22	-313.53	635.01	0.00	0.00	0.00	
2278.18	35.13	330.41	2101.05	591.33	-335.74	680.00	0.00	0.00	0.00	Start drop 3°/100
2300.00	34.47	330.41	2118.97	602.17	-341.88	692.45	3.00	-3.00	0.00	
2400.00	31.47	330.41	2202.85	649.49	-368.75	746.87	3.00	-3.00	0.00	
2500.00	28.47	330.41	2289.47	692.93	-393.42	796.82	3.00	-3.00	0.00	
2600.00	25.47	330.41	2378.58	732.37	-415.81	842.18	3.00	-3.00	0.00	
2700.00	22.47	330.41	2469.94	767.70	-435.87	882.80	3.00	-3.00	0.00	
2800.00	19.47	330.41	2563.31	798.82	-453.54	918.59	3.00	-3.00	0.00	
2900.00	16.47	330.41	2658.42	825.65	-468.77	949.45	3.00	-3.00	0.00	
3000.00	13.47	330.41	2755.01	848.12	-481.53	975.28	3.00	-3.00	0.00	
3100.00	10.47	330.41	2852.82	866.16	-491.77	996.03	3.00	-3.00	0.00	
3200.00	7.47	330.41	2951.59	879.72	-499.47	1011.62	3.00	-3.00	0.00	
3300.00	4.47	330.41	3051.03	888.77	-504.61	1022.03	3.00	-3.00	0.00	
3400.00	1.47	330.41	3150.89	893.28	-507.17	1027.21	3.00	-3.00	0.00	
3449.12	0.00	330.41	3200.00	893.83	-507.48	1027.85	3.00	-3.00	0.00	Vertical Point
3475.00	0.00	330.41	3225.88	893.83	-507.48	1027.85	0.00	0.00	0.00	Intermediate
3500.00	0.00	330.41	3250.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
3600.00	0.00	330.41	3350.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
3700.00	0.00	330.41	3450.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
3800.00	0.00	330.41	3550.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
3900.00	0.00	330.41	3650.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4000.00	0.00	330.41	3750.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4100.00	0.00	330.41	3850.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4200.00	0.00	330.41	3950.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4300.00	0.00	330.41	4050.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4400.00	0.00	330.41	4150.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4484.12	0.00	330.41	4235.00	893.83	-507.48	1027.85	0.00	0.00	0.00	Wasatch Tongue
4500.00	0.00	330.41	4250.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4600.00	0.00	330.41	4350.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4700.00	0.00	330.41	4450.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4800.00	0.00	330.41	4550.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4814.12	0.00	330.41	4565.00	893.83	-507.48	1027.85	0.00	0.00	0.00	Green River Tongue
4900.00	0.00	330.41	4650.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4974.12	0.00	330.41	4725.00	893.83	-507.48	1027.85	0.00	0.00	0.00	Wasatch
5000.00	0.00	330.41	4750.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5100.00	0.00	330.41	4850.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5200.00	0.00	330.41	4950.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5300.00	0.00	330.41	5050.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5400.00	0.00	330.41	5150.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5500.00	0.00	330.41	5250.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5600.00	0.00	330.41	5350.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5700.00	0.00	330.41	5450.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5800.00	0.00	330.41	5550.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5874.12	0.00	330.41	5625.00	893.83	-507.48	1027.85	0.00	0.00	0.00	Chapita Wells
5900.00	0.00	330.41	5650.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6000.00	0.00	330.41	5750.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6100.00	0.00	330.41	5850.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6200.00	0.00	330.41	5950.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6300.00	0.00	330.41	6050.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6400.00	0.00	330.41	6150.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6500.00	0.00	330.41	6250.88	893.83	-507.48	1027.85	0.00	0.00	0.00	

# Ryan Energy Technologies

## Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU # 16-14E  
**Well:** RBU 16-14E  
**Wellpath:** Original Hole

**Date:** 7/19/2006 **Time:** 14:59:26 **Page:** 3  
**Co-ordinate(NE) Reference:** Well: RBU 16-14E, True North  
**Vertical (TVD) Reference:** RKB Est 5195.0  
**Section (VS) Reference:** Well (0.00N,0.00E,330.41Azi)  
**Plan:** Plan #2

### 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
6600.00	0.00	330.41	6350.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6700.00	0.00	330.41	6450.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6800.00	0.00	330.41	6550.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6900.00	0.00	330.41	6650.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7000.00	0.00	330.41	6750.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7074.12	0.00	330.41	6825.00	893.83	-507.48	1027.85	0.00	0.00	0.00	Uteland Buttes
7100.00	0.00	330.41	6850.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7200.00	0.00	330.41	6950.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7300.00	0.00	330.41	7050.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7400.00	0.00	330.41	7150.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7500.00	0.00	330.41	7250.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7600.00	0.00	330.41	7350.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7700.00	0.00	330.41	7450.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7800.00	0.00	330.41	7550.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7900.00	0.00	330.41	7650.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
8000.00	0.00	330.41	7750.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
8024.12	0.00	330.41	7775.00	893.83	-507.48	1027.85	0.00	0.00	0.00	Mesa Verde
8100.00	0.00	330.41	7850.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
8200.00	0.00	330.41	7950.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
8300.00	0.00	330.41	8050.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
8400.00	0.00	330.41	8150.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
8500.00	0.00	330.41	8250.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
8600.00	0.00	330.41	8350.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
8700.00	0.00	330.41	8450.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
8800.00	0.00	330.41	8550.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
8899.12	0.00	330.41	8650.00	893.83	-507.48	1027.85	0.00	0.00	0.00	PBHL

### Targets

Name	Description		TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude →			← Longitude →				
	Dip.	Dir.						Deg	Min	Sec	Deg	Min	Sec		
Vertical Point			3200.00	893.83	-507.48	7152266.58	2133084.70	39	56	29.374	N	109	44	33.796	W
-Plan hit target															
PBHL			8650.00	893.83	-507.48	7152266.58	2133084.70	39	56	29.374	N	109	44	33.796	W
-Plan hit target															

### Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
3475.00	3225.88	9.625	9.625	Intermediate

### Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
1349.96	1325.00	Green River		0.00	0.00
4484.12	4235.00	Wasatch Tongue		0.00	0.00
4814.12	4565.00	Green River Tongue		0.00	0.00
4974.12	4725.00	Wasatch		0.00	0.00
5874.12	5625.00	Chapita Wells		0.00	0.00
7074.12	6825.00	Uteland Buttes		0.00	0.00
8024.12	7775.00	Mesa Verde		0.00	0.00

# Ryan Energy Technologies Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU # 16-14E  
**Well:** RBU 16-14E  
**Wellpath:** Original Hole

**Date:** 7/19/2006  
**Co-ordinate(NE) Reference:** Well: RBU 16-14E, True North  
**Vertical (TVD) Reference:** RKB Est 5195.0  
**Section (VS) Reference:** Well (0.00N,0.00E,330.41Azi)  
**Plan:** Plan #2

**Page:** 4

## Annotation

MD ft	TVD ft	
530.00	530.00	KOP Start Build 3°/100'
1700.94	1628.95	Sail at 35.13°
2000.00	1873.54	Azimuth= 330.41°
2278.18	2101.05	Start drop 3°/100'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

*SUBMIT IN TRIPLICATE - Other Instructions on Reverse Side*

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Dominion Exploration & Production, Inc.

3a. Address Suite 600  
14000 Quail Springs Parkway, OKC, OK 73134  
3b. Phone No. (include area code)  
(405) 749-5263

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

391' FNL & 159' FEL, NENE, Sec. 23-10S-19E - Surface Location  
500' FSL & 650' FEL, Sec. 14-10S-19E - Bottom Hole

5. Lease Serial No.

U-013792

6. If Indian, Allottee or Tribe Name

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

River Bend Unit

8. Well Name and No.

RBU 16-14E

9. API Well No.

43-047-35086

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"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other

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

Dominion request permission to change the kick off point and the setting of the intermediate casing. The intermediate csg. will now be set at 3,475'. Attached is a new directional and drilling plan reflecting the changes.

COPY SENT TO OPERATOR  
Date: 6-20-06  
Initials: [Signature]

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

Name (Printed/Typed)

Carla Christian

Title Regulatory Specialist

Signature

*Carla Christian*

Date 6/20/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

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

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 6/30/06  
By: [Signature]

Federal Approval Of This  
Action Is Necessary

RECEIVED  
JUN 27 2006

DIV. OF OIL, GAS & MINING



**Dominion™**

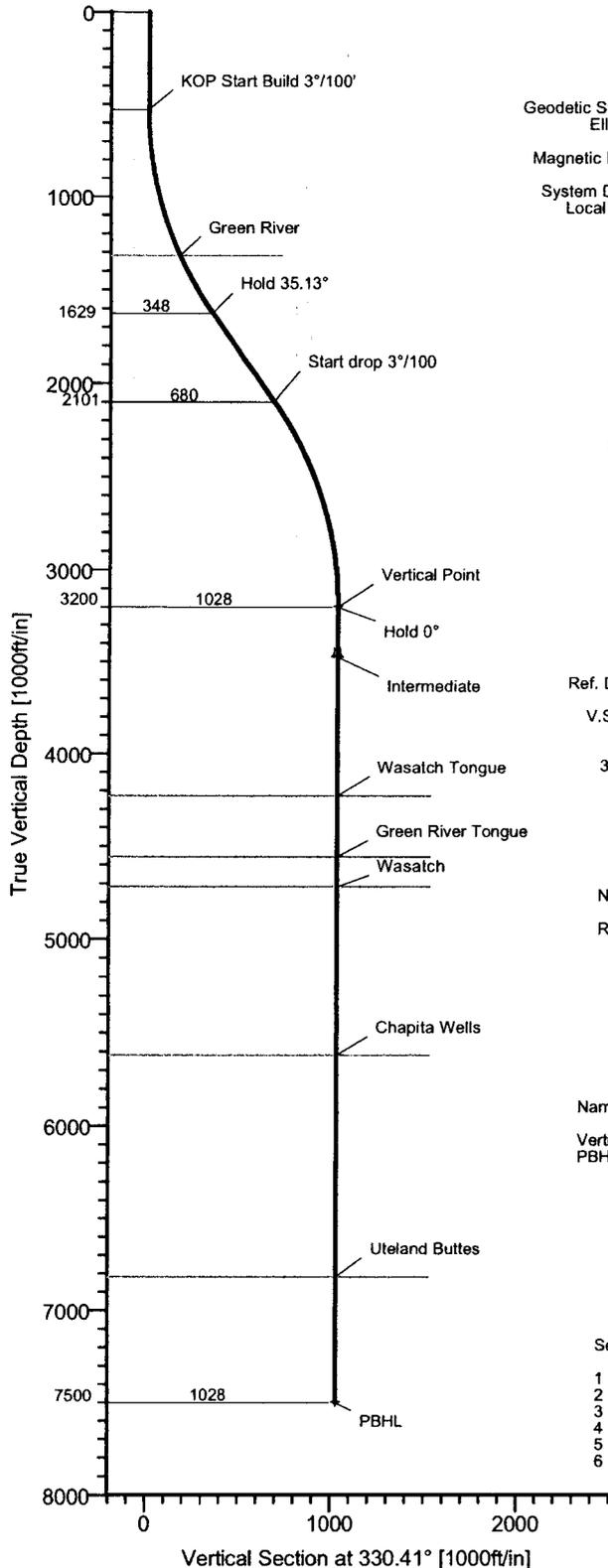
### Dominion Exploration & Production

Field: Uintah County, Utah  
Site: RBU # 16-14E  
Well: RBU 16-14E  
Wellpath: Original Hole  
Plan: Plan #1



Azimuths to True North  
Magnetic North: 11.80°

Magnetic Field  
Strength: 52815nT  
Dip Angle: 65.90°  
Date: 6/15/2006  
Model: igr2005



#### FIELD DETAILS

Uintah County, Utah  
Utah - Natural Buttes  
USA

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

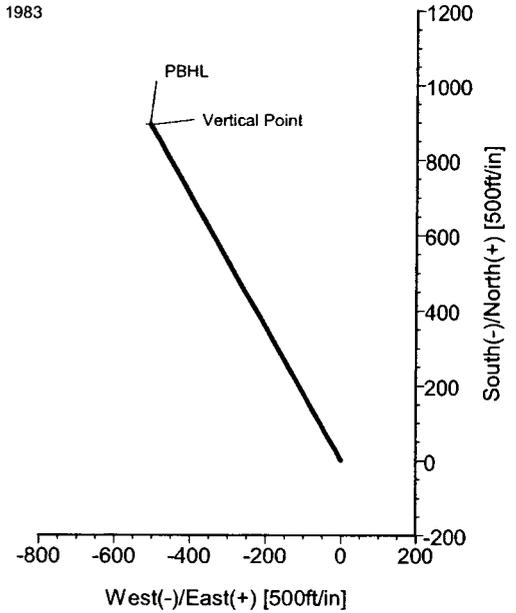
#### SITE DETAILS

RBU # 16-14E  
Sec.23, 10S, 19E  
Site Centre Latitude: 39°56'20.540N  
Longitude: 109°44'27.280W  
Ground Level: 5179.00  
Positional Uncertainty: 0.00  
Convergence: 1.13

#### WELLPATH DETAILS

Original Hole

Rig:	Patterson 12		
Ref. Datum:	Est RKB 5195.00ft		
V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
330.41°	0.00	0.00	0.00



#### WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
RBU 16-14E	0.00	0.00	7151382.90	2133609.66	39°56'20.540N	109°44'27.280W	N/A

#### TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Vertical Point	3200.00	893.83	-507.48	Point
PBHL	7500.00	893.83	-507.48	Point

#### FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	1322.00	1346.66	Green River
2	4232.00	4481.12	Wasatch Tongue
3	4562.00	4811.12	Green River Tongue
4	4722.00	4971.12	Wasatch
5	5622.00	5871.12	Chapita Wells
6	6822.00	7071.12	Uteland Buttes

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	330.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	530.00	0.00	330.41	530.00	0.00	0.00	0.00	0.00	0.00	0.00
3	1701.00	35.13	330.41	1629.00	302.52	-171.76	3.00	330.41	347.88	
4	2278.15	35.13	330.41	2101.03	591.32	-335.73	0.00	0.00	679.98	
5	3449.12	0.00	330.41	3200.00	893.83	-507.48	3.00	180.00	1027.85	
6	7749.12	0.00	330.41	7500.00	893.83	-507.48	0.00	0.00	1027.85	PBHL



# Ryan Energy Technologied Planning Report



<b>Company:</b> Dominion Exploration & Product	<b>Date:</b> 6/16/2006	<b>Time:</b> 07:27:03	<b>Page:</b> 1
<b>Field:</b> Uintah County, Utah	<b>Co-ordinate(NE) Reference:</b> Well: RBU 16-14E, True North		
<b>Site:</b> RBU # 16-14E	<b>Vertical (TVD) Reference:</b> Est RKB 5195.0		
<b>Well:</b> RBU 16-14E	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,330.41Azi)		
<b>Wellpath:</b> Original Hole	<b>Plan:</b> Plan #1		

<b>Field:</b> Uintah County, Utah Utah - Natural Buttes USA	<b>Map Zone:</b> Utah, Central Zone
<b>Map System:</b> US State Plane Coordinate System 1983	<b>Coordinate System:</b> Well Centre
<b>Geo Datum:</b> GRS 1980	<b>Geomagnetic Model:</b> igrf2005
<b>Sys Datum:</b> Mean Sea Level	

**Site:** RBU # 16-14E  
Sec.23, 10S, 19E

<b>Site Position:</b>	<b>Northing:</b> 7151382.90 ft	<b>Latitude:</b> 39 56 20.540 N
<b>From:</b> Geographic	<b>Easting:</b> 2133609.66 ft	<b>Longitude:</b> 109 44 27.280 W
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> True
<b>Ground Level:</b> 5179.00 ft		<b>Grid Convergence:</b> 1.13 deg

<b>Well:</b> RBU 16-14E	<b>Slot Name:</b>
<b>Well Position:</b> +N/-S 0.00 ft	<b>Northing:</b> 7151382.90 ft
+E/-W 0.00 ft	<b>Easting:</b> 2133609.66 ft
<b>Position Uncertainty:</b> 0.00 ft	<b>Latitude:</b> 39 56 20.540 N
	<b>Longitude:</b> 109 44 27.280 W

<b>Wellpath:</b> Original Hole	<b>Drilled From:</b> Surface
<b>Current Datum:</b> Est RKB	<b>Tie-on Depth:</b> 0.00 ft
<b>Magnetic Data:</b> 6/15/2006	<b>Above System Datum:</b> Mean Sea Level
<b>Field Strength:</b> 52815 nT	<b>Declination:</b> 11.80 deg
<b>Vertical Section:</b> Depth From (TVD)	<b>Mag Dip Angle:</b> 65.90 deg
ft	+N/-S ft
	+E/-W ft
	<b>Direction</b> deg
0.00	0.00
	0.00
	330.41

<b>Plan:</b> Plan #1	<b>Date Composed:</b> 6/15/2006
<b>Principal:</b> Yes	<b>Version:</b> 1
	<b>Tied-to:</b> From Surface

**Plan Section Information**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	330.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
530.00	0.00	330.41	530.00	0.00	0.00	0.00	0.00	0.00	0.00	
1701.00	35.13	330.41	1629.00	302.52	-171.76	3.00	3.00	0.00	330.41	
2278.15	35.13	330.41	2101.03	591.32	-335.73	0.00	0.00	0.00	0.00	
3449.12	0.00	330.41	3200.00	893.83	-507.48	3.00	-3.00	0.00	180.00	
7749.12	0.00	330.41	7500.00	893.83	-507.48	0.00	0.00	0.00	0.00	PBHL

**Survey**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
530.00	0.00	330.41	530.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP Start Build 3°/100'
600.00	2.10	330.41	599.98	1.12	-0.63	1.28	3.00	3.00	0.00	
700.00	5.10	330.41	699.78	6.57	-3.73	7.56	3.00	3.00	0.00	
800.00	8.10	330.41	799.10	16.57	-9.41	19.05	3.00	3.00	0.00	
900.00	11.10	330.41	897.69	31.07	-17.64	35.73	3.00	3.00	0.00	
1000.00	14.10	330.41	995.27	50.04	-28.41	57.54	3.00	3.00	0.00	
1100.00	17.10	330.41	1091.58	73.42	-41.68	84.43	3.00	3.00	0.00	
1200.00	20.10	330.41	1186.34	101.15	-57.43	116.32	3.00	3.00	0.00	
1300.00	23.10	330.41	1279.31	133.16	-75.60	153.13	3.00	3.00	0.00	
1346.66	24.50	330.41	1322.00	149.53	-84.90	171.95	3.00	3.00	0.00	Green River
1400.00	26.10	330.41	1370.22	169.36	-96.15	194.75	3.00	3.00	0.00	
1500.00	29.10	330.41	1458.83	209.64	-119.02	241.07	3.00	3.00	0.00	
1600.00	32.10	330.41	1544.90	253.90	-144.15	291.97	3.00	3.00	0.00	
1701.00	35.13	330.41	1629.00	302.52	-171.76	347.88	3.00	3.00	0.00	Hold 35.13°
1800.00	35.13	330.41	1709.97	352.06	-199.88	404.84	0.00	0.00	0.00	



# Ryan Energy Technologied Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU # 16-14E  
**Well:** RBU 16-14E  
**Wellpath:** Original Hole

**Date:** 6/16/2006      **Time:** 07:27:03  
**Co-ordinate(NE) Reference:** Well: RBU 16-14E, True North  
**Vertical (TVD) Reference:** Est RKB 5195.0  
**Section (VS) Reference:** Well (0.00N,0.00E,330.41Azi)  
**Plan:** Plan #1

**Survey**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1900.00	35.13	330.41	1791.75	402.10	-228.29	462.38	0.00	0.00	0.00	
2000.00	35.13	330.41	1873.54	452.14	-256.70	519.93	0.00	0.00	0.00	
2100.00	35.13	330.41	1955.33	502.17	-285.11	577.47	0.00	0.00	0.00	
2200.00	35.13	330.41	2037.11	552.21	-313.52	635.01	0.00	0.00	0.00	
2278.15	35.13	330.41	2101.03	591.32	-335.73	679.98	0.00	0.00	0.00	Start drop 3°/100
2300.00	34.47	330.41	2118.97	602.16	-341.88	692.45	3.00	-3.00	0.00	
2400.00	31.47	330.41	2202.85	649.49	-368.75	746.87	3.00	-3.00	0.00	
2500.00	28.47	330.41	2289.47	692.93	-393.42	796.82	3.00	-3.00	0.00	
2600.00	25.47	330.41	2378.58	732.37	-415.81	842.18	3.00	-3.00	0.00	
2700.00	22.47	330.41	2469.94	767.70	-435.87	882.80	3.00	-3.00	0.00	
2800.00	19.47	330.41	2563.30	798.82	-453.54	918.59	3.00	-3.00	0.00	
2900.00	16.47	330.41	2658.41	825.65	-468.77	949.45	3.00	-3.00	0.00	
3000.00	13.47	330.41	2755.01	848.12	-481.53	975.28	3.00	-3.00	0.00	
3100.00	10.47	330.41	2852.82	866.16	-491.77	996.03	3.00	-3.00	0.00	
3200.00	7.47	330.41	2951.59	879.72	-499.47	1011.62	3.00	-3.00	0.00	
3300.00	4.47	330.41	3051.03	888.77	-504.61	1022.03	3.00	-3.00	0.00	
3400.00	1.47	330.41	3150.88	893.28	-507.17	1027.21	3.00	-3.00	0.00	
3449.12	0.00	330.41	3200.00	893.83	-507.48	1027.85	3.00	-3.00	0.00	Vertical Point
3500.00	0.00	330.41	3250.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
3600.00	0.00	330.41	3350.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
3700.00	0.00	330.41	3450.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
3724.12	0.00	330.41	3475.00	893.83	-507.48	1027.85	0.00	0.00	0.00	Intermediate
3800.00	0.00	330.41	3550.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
3900.00	0.00	330.41	3650.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4000.00	0.00	330.41	3750.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4100.00	0.00	330.41	3850.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4200.00	0.00	330.41	3950.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4300.00	0.00	330.41	4050.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4400.00	0.00	330.41	4150.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4481.12	0.00	330.41	4232.00	893.83	-507.48	1027.85	0.00	0.00	0.00	Wasatch Tongue
4500.00	0.00	330.41	4250.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4600.00	0.00	330.41	4350.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4700.00	0.00	330.41	4450.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4800.00	0.00	330.41	4550.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4811.12	0.00	330.41	4562.00	893.83	-507.48	1027.85	0.00	0.00	0.00	Green River Tongue
4900.00	0.00	330.41	4650.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
4971.12	0.00	330.41	4722.00	893.83	-507.48	1027.85	0.00	0.00	0.00	Wasatch
5000.00	0.00	330.41	4750.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5100.00	0.00	330.41	4850.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5200.00	0.00	330.41	4950.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5300.00	0.00	330.41	5050.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5400.00	0.00	330.41	5150.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5500.00	0.00	330.41	5250.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5600.00	0.00	330.41	5350.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5700.00	0.00	330.41	5450.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5800.00	0.00	330.41	5550.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
5871.12	0.00	330.41	5622.00	893.83	-507.48	1027.85	0.00	0.00	0.00	Chapita Wells
5900.00	0.00	330.41	5650.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6000.00	0.00	330.41	5750.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6100.00	0.00	330.41	5850.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6200.00	0.00	330.41	5950.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6300.00	0.00	330.41	6050.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6400.00	0.00	330.41	6150.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6500.00	0.00	330.41	6250.88	893.83	-507.48	1027.85	0.00	0.00	0.00	



# Ryan Energy Technologied Planning Report



**Company:** Dominion Exploration & Product  
**Field:** Uintah County, Utah  
**Site:** RBU # 16-14E  
**Well:** RBU 16-14E  
**Wellpath:** Original Hole

**Date:** 6/16/2006 **Time:** 07:27:03 **Page:** 3  
**Co-ordinate(NE) Reference:** Well: RBU 16-14E, True North  
**Vertical (TVD) Reference:** Est RKB 5195.0  
**Section (VS) Reference:** Well (0.00N,0.00E,330.41Azi)  
**Plan:** Plan #1

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6600.00	0.00	330.41	6350.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6700.00	0.00	330.41	6450.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6800.00	0.00	330.41	6550.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
6900.00	0.00	330.41	6650.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7000.00	0.00	330.41	6750.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7071.12	0.00	330.41	6822.00	893.83	-507.48	1027.85	0.00	0.00	0.00	Uteland Buttes
7100.00	0.00	330.41	6850.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7200.00	0.00	330.41	6950.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7300.00	0.00	330.41	7050.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7400.00	0.00	330.41	7150.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7500.00	0.00	330.41	7250.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7600.00	0.00	330.41	7350.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7700.00	0.00	330.41	7450.88	893.83	-507.48	1027.85	0.00	0.00	0.00	
7749.12	0.00	330.41	7500.00	893.83	-507.48	1027.85	0.00	0.00	0.00	PBHL

### Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
Vertical Point -Plan hit target		3200.00	893.83	-507.48	7152266.582133084.70		39 56 29.374 N	109 44 33.796 W
PBHL -Plan hit target		7500.00	893.83	-507.48	7152266.582133084.70		39 56 29.374 N	109 44 33.796 W

### Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
3724.12	3475.00	9.625	9.625	Intermediate

### Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
1346.66	1322.00	Green River		0.00	0.00
4481.12	4232.00	Wasatch Tongue		0.00	0.00
4811.12	4562.00	Green River Tongue		0.00	0.00
4971.12	4722.00	Wasatch		0.00	0.00
5871.12	5622.00	Chapita Wells		0.00	0.00
7071.12	6822.00	Uteland Buttes		0.00	0.00

### Annotation

MD ft	TVD ft	
530.00	530.00	KOP Start Build 3°/100'
1701.00	1629.00	Hold 35.13°
2278.15	2101.03	Start drop 3°/100'
3449.12	3200.00	Hold 0°

## 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 16-14E  
SHL: 391' FNL & 159' FEL Section 23-10S-19E  
BHL: 500' FSL & 650' FEL Section 14-10S-19E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Green River	1,322'
Wasatch Tongue	4,232'
Green River Tongue	4,562'
Wasatch	4,722'
Chapita Wells	5,622'
Uteland Buttes	6,822'

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

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Green River	1,322'	Oil
Wasatch Tongue	4,232'	Oil
Green River Tongue	4,562'	Oil
Wasatch	4,722'	Gas
Chapita Wells	5,622'	Gas
Uteland Buttes	6,822'	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'	3,475'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	7,500'	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.

## 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 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' – 3,475'	8.6	Fresh water, rotating head and diverter
3,475' – 7,500'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 100' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

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

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

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

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

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

#### 11. WATER SUPPLY

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

**DRILLING PLAN**

**APPROVAL OF OPERATIONS**

**12. CEMENT SYSTEMS**

**a. Surface Cement:**

Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. 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 3,475'±, 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</u> <u>Volume</u>	<u>Cement</u> <u>Volume</u>	<u>Excess</u>
Lead	366	0'-2,675'	11.0 ppg	3.82 CFS	658 CF	1,524 CF	75%
Tail	391	2,675'-3,475'	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 7,500'±, 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</u> <u>Volume</u>	<u>Cement</u> <u>Volume</u>	<u>Excess</u>
Lead	90	3,922'-4,722'	11.5 ppg	3.12 CFS	139 CF	277 CF	100%
Tail	560	4,722'-7,500'	13.0 ppg	1.75 CFS	481 CF	963 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, 2004  
Duration: 14 Days

# FACSIMILE COVER PAGE

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To : Utah Division of Oil, Gas & Mining

From : g

Sent : 8/11/2006 at 10:48:44 AM

Pages : 2 (including Cover)

Subject : RBU 16-14E

*T/OG R/9F S-23*

*43-042-35086*

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## WELL CHRONOLOGY REPORT

**WELL NAME : RBU 16-14E**

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 391' FNL 159' FEL SEC 23 T 10S R 19E

COUNTY &amp; STATE : UINTAH

UT

CONTRACTOR :

WM % : 100.00 AFE # : 0503148

API # : 43-047-35086

PLAN DEPTH : 8,390 SPUD DATE : 09/16/05

DHC : \$1,272,000

CWC : \$642,080

AFE TOTAL : \$1,914,080

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$789,567.00

EVENT CC : \$0.00

EVENT TC : \$789,567.00

WELL TOTL COST : \$797,710

**REPORT DATE: 08/02/06** MD: 7,725 TVD: 7,600 DAYS: 20 MW: 8.6 VISC: 26  
 DAILY : DC : \$38,445.00 CC : \$0.00 TC : \$38,445.00 CUM : DC : \$447,081.00 CC : \$0.00 TC : \$447,081.00  
 DAILY DETAILS : DRLG F/ 5766 TO 6047 RIG SERVICE DRLG F/ 6047 TO 6142 SURVEY @ 6062 2 DEG 201AZ DRLG F/ 6142 TO 7249 SURVEY @ 7170 1.75 DEG 201 AZ DRLG F/ 7249 TO 7725

**REPORT DATE: 08/03/06** MD: 8,494 TVD: 8,260 DAYS: 21 MW: 8.7 VISC: 26  
 DAILY : DC : \$45,725.00 CC : \$0.00 TC : \$45,725.00 CUM : DC : \$492,806.00 CC : \$0.00 TC : \$492,806.00  
 DAILY DETAILS : DRLG F/ 7725 TO 8423 RIG SERVICE DRLG F/ 8423 TO 8494 TOOH CHG BIT AND TIH

**REPORT DATE: 08/04/06** MD: 8,932 TVD: 8,700 DAYS: 22 MW: 9.2 VISC: 34  
 DAILY : DC : \$45,725.00 CC : \$0.00 TC : \$45,725.00 CUM : DC : \$538,531.00 CC : \$0.00 TC : \$538,531.00  
 DAILY DETAILS : DRLG F/ 8494 TO 8932 CIRC TOOH LOGGING TO 8942

**REPORT DATE: 08/05/06** MD: 8,932 TVD: 8,700 DAYS: 23 MW: 9.2 VISC: 25  
 DAILY : DC : \$53,430.00 CC : \$0.00 TC : \$53,430.00 CUM : DC : \$591,961.00 CC : \$0.00 TC : \$591,961.00  
 DAILY DETAILS : RUN BAKER ATLAS LOG'S. LOGGER'S TD OF 8942. TIH W/ TRI-CONE BHA. SLIP & CUT DRILL LINE. RIG SERVICE & BOP FUNCTION TEST. TIH W/ DRILL STRING. KELLY UP. BREAK CIRCULATION & WASH 40' TO BTM. CIRCUALTE WELL BORE CLEAR. 38 VIS & 9.4 PPG IN/OUT. RIG UP LAY DOWN MACHINE. LAY DOWN DRILL STRING & BHA. RIG UP CSGN CREW. RUN 5.5" PRODUCTION CSGN.

**REPORT DATE: 08/06/06** MD: 8,932 TVD: 8,700 DAYS: 24 MW: VISC:  
 DAILY : DC : \$197,606.00 CC : \$0.00 TC : \$197,606.00 CUM : DC : \$789,567.00 CC : \$0.00 TC : \$789,567.00  
 DAILY DETAILS : RUN 210 JT'S 5.5", 17#, M-80 CSGN. SET @ 8905'/KB. BREAK CIRCULATION. RIG DOWN CSGN CREW. RIG UP BIG 4. CEMENT W/ 140 SKS LEAD MIXED @ 11.0 PPG & 3.82 YLD ( 95 BBL SLURRY ). THEN 1120 SKS TAIL MIXED @ 14.2 PPG & 1.26 YLD ( 241 BBL SLURRY ). DISPLACE W/ 205 BBL 2% KCL. NIPPLE DOWN BOP'S. CLEAN PIT'S, RELEASE RIG @ 3:00PM ON 8-05-06. PREPARE TO RIG DOWN & MOVE TO RBU 9-4-EA

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To : Utah Division of Oil, Gas & Mining

From : g

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Pages : 5 (including Cover)

Subject : RBU 16-14E

*T105 R19E S-93*

*43-047-35086*

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CONFIDENTIAL

AUG 16 2006



## WELL CHRONOLOGY REPORT

**WELL NAME : RBU 16-14E**

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 391' FNL 159' FEL SEC 23 T 10S R 19E

COUNTY &amp; STATE : UTAH

UT

CONTRACTOR :

WI % : 100.00 AFE # : 0503148

API # : 43-047-35086

PLAN DEPTH : 8,390

SPUD DATE : 09/16/05

DHC : \$1,272,000

CWC : \$642,080

AFE TOTAL : \$1,914,080

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$789,567.00

EVENT CC : \$336,928.00

EVENT TC : \$1,126,495.00

WELL TOTL COST : \$1,282,580

**REPORT DATE: 08/06/06**

MD : 8,932

TVD : 8,700

DAYS : 24

MW :

VISC :

DAILY : DC : \$197,606.00

CC : \$0.00

TC : \$197,606.00

CUM : DC : \$789,567.00

CC : \$0.00

TC : \$789,567.00

DAILY DETAILS : RUN 210 JT'S 5.5", 17#, M-80 CSGN. SET @ 8905'/KB. BREAK CIRCULATION. RIG DOWN CSGN CREW. RIG UP BIG 4. CEMENT W/ 140 SKS LEAD MIXED @ 11.0 PPG & 3.82 YLD ( 95 BBL SLURRY ). THEN 1120 SKS TAIL MIXED @ 14.2 PPG & 1.26 YLD ( 241 BBL SLURRY ). DISPLACE W/ 205 BBL 2% KCL. NIPPLE DOWN BOP'S. CLEAN PIT'S, RELEASE RIG @ 3:00PM ON 8-05-06. PREPARE TO RIG DOWN & MOVE TO RBU 9-4-EA

**REPORT DATE: 08/11/06**

MD : 8,932

TVD : 8,700

DAYS : 25

MW :

VISC :

DAILY : DC : \$0.00

CC : \$14,933.00

TC : \$14,933.00

CUM : DC : \$789,567.00

CC : \$14,933.00

TC : \$804,500.00

DAILY DETAILS : MIRU SCHLUMBER WIRE LINE AND ACTION HOT OIL SERVICE. RUN CMT BOND LOG UNDER 1500# PRESSURE FROM W.L. PBTD @ 8780' KB TO 900' KB, FOUND CMT TOP @ 1100' KB. POOH W/ WIRE LINE, AND PRESSURE TESTED CSG TO 5000 PSI, HELD GOOD. RIH AND PERFORATED STAGE #1, SHUT WELL IN, RDMO WIRE LINE AND HOT OILIER. WAIT ON FRAC DATE.

**AUG 16 2006**



## WELL CHRONOLOGY REPORT

**WELL NAME : RBU 16-14E**

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 391' FNL 159' FEL SEC 23 T 10S R 19E

COUNTY &amp; STATE : UINTAH

UT

CONTRACTOR :

WM % : 100.00 AFE # : 0503148

API # : 43-047-35086

PLAN DEPTH : 8,390 SPUD DATE : 09/16/05

DHC : \$1,272,000

CWC : \$642,080

AFE TOTAL : \$1,914,080

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$789,567.00

EVENT CC : \$336,928.00

EVENT TC : \$1,126,495.00

WELL TOTL COST : \$1,282,580

REPORT DATE: 08/15/06

MD : 8,932

TVD : 8,700

DAYS : 26

MW :

VISC :

DAILY : DC : \$0.00

CC : \$321,995.00

TC : \$321,995.00

CUM : DC : \$789,567.00

CC : \$336,928.00

TC : \$1,126,495.00

DAILY DETAILS :

AUG 16 2006



## WELL CHRONOLOGY REPORT

**WELL NAME : RBU 16-14E**

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 391' FNL 159' FEL SEC 23 T 10S R 19E

COUNTY &amp; STATE : UTAH

UT

CONTRACTOR :

WI % : 100.00 AFE # : 0503148

API # : 43-047-35086

PLAN DEPTH : 8,390 SPUD DATE : 09/16/05

DHC : \$1,272,000

CWC : \$642,080

AFE TOTAL : \$1,914,080

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$789,567.00

EVENT CC : \$336,928.00

EVENT TC : \$1,126,495.00

WELL TOTL COST : \$1,282,580

08-14-06 RBU 16-14E. MIRU SCHLUMBERGER frac equipment, tested lines to 7000 psi. Held safety meeting with all personnel. Quality control on gel & breaker systems with on-site lab was verified. Frac'd Mesa Verde Interval # 1, 8564-73', 6 spf, 55 holes, with 36,211# 20/40 PR6000 sand. Pumped frac at an average rate of 26.5 bpm, using 215.3 mscf of N2 and 537 bbls of fluid. Average surface treating pressure was 4336 psi with sand concentrations stair stepping from 1.0 ppg to 4.0 ppg.

545 gallons Pad YF120ST/N2 gel.

2115 gallons YF120ST/N2 pumped @ 1.0 ppg sand concentration.

2815 gallons YF120ST/N2 pumped @ 2.0 ppg sand concentration.

2817 gallons YF120ST/N2 pumped @ 3.0 ppg sand concentration.

2890 gallons YF120ST/N2 pumped @ 4.0 ppg sand concentration.

8377 gallons WF110 slick water flush.

Total frac fluid pumped 537 bbls. N2 was cut during flush. Ru wire line, RIH and set 8K frac plug @ 8550'. RIH and perforate interval #2 @ 8389-8402', 8420-8438', 8441-48', 8472-78', 8508-28', 1 spf, (2 runs) 64 holes. Fraced interval #2 w/ 103,288# 20/40 PR6000 sand. Pumped frac at an avg rate of 42.4 bpm, using 530.2 mscf of N2 and 1036 bbls of fluid. Avg surface treating pressure was 3340 psi w/ sand concentrations stair stepping from 1.0 ppg to 4.0 ppg.

6987 gallons Pad YF120ST/N2 gel.

4226 gallons YF120ST/N2 pumped @ 1.0 ppg sand concentration.

5625 gallons YF120ST/N2 pumped @ 2.0 ppg sand concentration.

7025 gallons YF120ST/N2 pumped @ 3.0 ppg sand concentration.

9541 gallons YF120ST/N2 pumped @ 4.0 ppg sand concentration.

8125 gallons WF110 slick water flush.

Total frac fluid pumped 1036 bbls. N2 was cut during flush. RIH and set 8K frac plug @ 8260', perforate interval # 3 @ 7854-64', 7934-45', 8002-10', 2 spf, 61 holes. Fraced interval #3 w/ 97,347# 20/40 Ottawa sand. Pumped frac at an avg rate of 38.1 bpm, using 336.4 mscf of N2 and 749 bbls of fluid. Avg surface treating pressure was 4131 psi w/ sand concentrations stair stepping from 1.0 ppg to 4.0 ppg.

4892 gallons Pad YF120ST/N2 gel.

2843 gallons YF120/N2 pumped @ 2.0 ppg sand concentration.

2824 gallons YF120ST/N2 pumped @ 3.0 ppg sand concentration.

3519 gallons YF120ST/N2 pumped @ 4.0 ppg sand concentration.

3519 gallons YF120ST/N2 pumped @ 5.0 ppg sand concentration.

4429 gallons YF120ST/N2 pumped @ 6.0 ppg sand concentration.

7661 gallons WF110 slick water flush.

Total frac fluid pumped 749 bbls. N2 was cut during flush. RIH and set 5K frac plug @ 7790' unable to test plug. POOH, RIH and set another plug @ 7780', perforate interval # 4 @ 7702-21', 3 spf, 58 holes. Fraced interval #4 w/ 41,019# 20/40 Ottawa sand. Pumped frac at an avg rate of 26.2 bpm, using 144.3 mscf of N2 and 450 bbls of fluid. Avg surface treating pressure was 3442 psi w/ sand concentrations stair stepping from 2.0 ppg to 6.0 ppg.

2792 gallons Pad YF115ST/N2 gel.

2130 gallons pumped YF115ST/N2 @ 2.0 ppg sand concentration.

2830 gallons pumped YF115ST/N2 @ 4.0 ppg sand concentration.

2653 gallons pumped YF115ST/N2 @ 6.0 ppg sand concentration.

7632 gallons WF110 slick water flush.

Total frac fluid pumped 450 bbls. N2 was cut during flush. RIH and set 5K frac plug @ 7650', perforate interval # 5 @ 7488-7500', 5 spf, 61 holes. Fraced interval #5 w/ 28,823# 20/40 Ottawa sand. Pumped frac at an avg rate of 23.9 bpm, using 122.8 mscf of N2 and 413 bbls of fluid. Avg surface treating pressure was 3581 psi w/ sand concentrations stair stepping from 2.0 ppg to 6.0 ppg.

2799 gallons Pad YF115ST/N2 gel.

1780 gallons YF115ST/N2 pumped @ 2.0 ppg sand concentration.

1775 gallons YF115ST/N2 pumped @ 4.0 ppg sand concentration.

1991 gallons YF115ST/N2 pumped @ 6.0 ppg sand concentration.

7276 gallons WF110 slick water flush.

Total frac fluid pumped 413 bbls. N2 was cut during flush. RIH and set 5K frac plug @ 7100', perforate interval # 6 @ 6729-33', 6938-42', 5 spf, 42 holes. Fraced interval #6 w/ 55,921# 20/40 Ottawa sand. Pumped frac at an avg rate of 28.7 bpm, using 246.5 mscf of N2 and 478 bbls of fluid. Avg surface treating pressure was 3311 psi w/ sand concentrations stair stepping from 2.0 ppg to 5.0 ppg.



## WELL CHRONOLOGY REPORT

**WELL NAME : RBU 16-14E**

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 391' FNL 159' FEL SEC 23 T 10S R 19E

COUNTY &amp; STATE : UINTAH

UT

CONTRACTOR :

WM % : 100.00 AFE # : 0503148

API # : 43-047-35086

PLAN DEPTH : 8,390

SPUD DATE : 09/16/05

DHC : \$1,272,000

CWC : \$642,080

AFE TOTAL : \$1,914,080

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$789,567.00

EVENT CC : \$336,928.00

EVENT TC : \$1,126,495.00

WELL TOTL COST : \$1,282,580

2791 gallons Pad YF115ST/N2 gel.

2123 gallons pumped YF115ST/N2 @ 2.0 ppg sand concentration.

2787 gallons pumped YF115ST/N2 @ 3.0 ppg sand concentration.

2799 gallons pumped YF115ST/N2 @ 4.0 ppg sand concentration.

3223 gallons pumped YF115ST/N2 @ 5.0 ppg sand concentration.

4786 gallons WF110 slick water flush.

Total frac fluid pumped 478 bbls. N2 was not cut during flush. Opened well to the pit on a 12/64 choke. Turned well over to production.

REPORT DATE: 08/16/06

MD : 8,932

TVD : 8,700

DAYS : 27

MW :

VISC :

DAILY : DC : \$0.00

CC : \$0.00

TC : \$0.00

CUM : DC : \$789,567.00

CC : \$336,928.00

TC : \$1,126,495.00

DAILY DETAILS : FLOW REPORT WELL FLOWING UP CSG TO PIT ON 12/64 CHOKE FCP 1340 RECOVERED 790 BBLs FRAC FLUID CHANGE TO 18/64 CHOKE &amp; LEFT TO PIT.

RECEIVED

AUG 16 2006

# FACSIMILE COVER PAGE

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To : Utah Division of Oil, Gas & Mining

From : g

Sent : 8/23/2006 at 4:04:58 PM

Pages : 2 (including Cover)

Subject : RBU 16-14E *T105 R19E S-23*

*43-042-35096*

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RECEIVED

AUG 23 2006

DIV. OF OIL, GAS & MINING



## WELL CHRONOLOGY REPORT

**WELL NAME : RBU 16-14E**

Event No: 1

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

LOCATION : 391' FNL 159' FEL SEC 23 T 10S R 19E

COUNTY &amp; STATE : UINTAH

UT

CONTRACTOR :

WI % : 100.00 AFE # : 0503148

API # : 43-047-35086

PLAN DEPTH : 8,390

SPUD DATE : 09/16/05

DHC : \$1,272,000

CWC : \$642,080

AFE TOTAL : \$1,914,080

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$789,567.00

EVENT CC : \$336,928.00

EVENT TC : \$1,126,495.00

WELL TOTL COST : \$1,282,580

**REPORT DATE: 08/16/06**

MD : 8,932

TVD : 8,700

DAYS : 27

MW :

VISC :

DAILY : DC : \$0.00

CC : \$0.00

TC : \$0.00

CUM : DC : \$789,567.00

CC : \$336,928.00

TC : \$1,126,495.00

 DAILY DETAILS : FLOW REPORT WELL FLOWING UP CSG TO PIT ON 12/64 CHOKE FCP 1340 RECOVERED 790 BBLS FRAC  
 FLUID CHANGE TO 18/64 CHOKE & LEFT TO PIT.

**REPORT DATE: 08/17/06**

MD : 8,932

TVD : 8,700

DAYS : 28

MW :

VISC :

DAILY : DC : \$0.00

CC : \$0.00

TC : \$0.00

CUM : DC : \$789,567.00

CC : \$336,928.00

TC : \$1,126,495.00

 DAILY DETAILS : FLOW REPORT WELL FLOWING UP CSG TO PIT ON 18/64 CHOKE FCP 925 RECOVERED 989 BBLS FRAC  
 FLUID RU FLOW LINE TURN TO SALES @ 9:00 AM.

**REPORT DATE: 08/18/06**

MD : 8,932

TVD : 8,700

DAYS : 29

MW :

VISC :

DAILY : DC : \$0.00

CC : \$0.00

TC : \$0.00

CUM : DC : \$789,567.00

CC : \$336,928.00

TC : \$1,126,495.00

DAILY DETAILS : FLOW REPORT WELL TO SALES MADE 296 MCF, FCP 712, SLP 81, 0 OIL, 499 WTR. 17/64 CHOKE 15 HR PRD.

**REPORT DATE: 08/19/06**

MD : 8,932

TVD : 8,700

DAYS : 30

MW :

VISC :

DAILY : DC : \$0.00

CC : \$0.00

TC : \$0.00

CUM : DC : \$789,567.00

CC : \$336,928.00

TC : \$1,126,495.00

 DAILY DETAILS : FLOW REPORT WELL TO SALES 24 HRS. MADE 1041 MCF, FCP 283, SLP 96, 0 OIL, 257 WTR. 18/64 CHOKE  
 LEFT WELL SAME

**REPORT DATE: 08/20/06**

MD : 8,932

TVD : 8,700

DAYS : 31

MW :

VISC :

DAILY : DC : \$0.00

CC : \$0.00

TC : \$0.00

CUM : DC : \$789,567.00

CC : \$336,928.00

TC : \$1,126,495.00

 DAILY DETAILS : FLOW REPORT WELL TO SALES 24 HRS. MADE 1375 MCF, FCP 219, SLP 96, 20 OIL, 200 WTR. 18/64 CHOKE  
 LEFT WELL SAME

**REPORT DATE: 08/21/06**

MD : 8,932

TVD : 8,700

DAYS : 32

MW :

VISC :

DAILY : DC : \$0.00

CC : \$0.00

TC : \$0.00

CUM : DC : \$789,567.00

CC : \$336,928.00

TC : \$1,126,495.00

 DAILY DETAILS : FLOW REPORT WELL TO SALES 24 HRS. MADE 1445 MCF, FCP 232, SLP 99, 11 OIL, 68 WTR. 18/64 CHOKE  
 LEFT WELL SAME

# RECEIVED

## AUG 23 2006

# FACSIMILE COVER PAGE

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To : Utah Division of Oil, Gas & Mining

From : g

Sent : 8/30/2006 at 4:45:02 PM

Pages : 2 (including Cover)

Subject : RBU 16-14E 10S - 19E 23

43-047-35086

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AUG 30 2006

DIV. OF OIL, GAS & MINING



## WELL CHRONOLOGY REPORT

**WELL NAME : RBU 16-14E**

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 391' FNL 159' FEL SEC 23 T 10S R 19E

COUNTY &amp; STATE : UINTAH

UT

CONTRACTOR :

WM % : 100.00 AFE # : 0503148

API # : 43-047-35086

PLAN DEPTH : 8,390

SPUD DATE : 09/16/05

DHC : \$1,272,000

CWC : \$642,080

AFE TOTAL : \$1,914,080

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$789,567.00

EVENT CC : \$336,928.00

EVENT TC : \$1,126,495.00

WELL TOTL COST : \$1,282,580

REPORT DATE: 08/21/06

MD : 8,932

TVD : 8,700

DAYS : 32

MW :

VISC :

DAILY : DC : \$0.00

CC : \$0.00

TC : \$0.00

CUM : DC : \$789,567.00

CC : \$336,928.00

TC : \$1,126,495.00

DAILY DETAILS : FLOW REPORT WELL TO SALES 24 HRS. MADE 1445 MCF, FCP 232, SLP 99, 11 OIL, 68 WTR. 18/64 CHOKE  
LEFT WELL SAME

**RECEIVED**
**AUG 30 2006**

DIV. OF OIL, GAS &amp; MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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)

391' FNL & 159' FEL, NENE, Sec. 23-10S-19E - Surface Location  
500' FSL & 650' FEL, Sec. 14-10S-19E - Bottom Hole

5. Lease Serial No.

U-013792

6. If Indian, Allottee or Tribe Name

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

River Bend Unit

8. Well Name and No.

RBU 16-14E

9. API Well No.

43-047-35086

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

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

8/5/06 ran 210 jts. 5 1/2", 17#, M-80, LT&C csg., set @ 8905'. Cemented lead w/140 sks Hi-Fill "V", 11.0 ppg, 3.82 Yld., tailed w/1120 sks Class "G", 14.20 ppg, 1.26 yld. 8/13/06 Perf and frac well. First sales 8/16/06.

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

Name (Printed/Typed)

Carla Christian

Title Sr. Regulatory Specialist

Signature

*Carla Christian*

Date 9/14/2006

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

SEP 18 2006

DIV. OF OIL, GAS & MINING

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WELL COMPLETION OR RECOMPLETION REPORT AND**

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

**CONFIDENTIAL**

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

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

6. If Indian, Allottee or Tribe Name  
 7. Unit or CA Agreement Name and No.  
**River Bend Unit**

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

8. Lease Name and Well No.  
**RBU 16-14E**

3. Address  
**14000 Quail Springs Parkway - Ste. 600 - Okla. City, OK 73134**

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

9. API Well No.  
**43-047-35086**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **391' FNL & 159' FEL, NE NE**  
 At top prod. interval reported below  
 At total depth **500' FSL & 650' FEL, SE SE** *270 FSL 686 FEL*

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

11. Sec., T., R., M., or Block and Survey or Area  
**23-10S-19E**

12. County or Parish  
**Uintah**

13. State  
**UT**

14. Date Spudded  
**9/16/2005**

15. Date T.D. Reached  
**8/3/2006**

16. Date Completed  
 D&A  Ready to prod. **8/16/2006**

17. Elevations (DF, RKB, RT, GL)\*  
**5179' GL**

18. Total Depth: MD **8929'**  
TVD **8696'**

19. Plug Back T.D.: MD **8780'**  
TVD **8547'**

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**Dual/Micro Laterolog, Compensated Z-Densilog/Neutron  
Gamma Ray/Caliper, Cement Bond Log**

22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit report)  
 Directional Survey?  No  Yes (Submit copy)

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

Hole Size	Size/Grade	Wt. (#/ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8"	48#	Surface	523'		500 Sx		Circ.	
12 1/4"	9 5/8"	36#	Surface	3560'		718 Sx		Circ.	
7 7/8"	5 1/2"	17#	Surface	8905'		1260 Sx		Est. TOC @ 1100'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	8546'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)						
B)						
C)						
D)						
E)	See Attachment for perf and Frac info.					
F)						
G)						

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

Depth Interval	Amount and Type of Material

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
8/16/2006	10/19/2006	24	→	2	702	2			Flowing
Choke Size	Tbg. Press. Fwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
48	87	239	→	2	702	2	1,351,000	Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

(See instructions and spaces for additional data on reverse side)

**RECEIVED**  
**NOV 13 2006**

28b Production - Interval C

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

28c Production - Interval D

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

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

Sold

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas. Depth
				Wasatch Tongue	4390'
				Uteland Limestone	4748'
				Wasatach	4906'
				Chapita Wells	5752'
				Uteland Buttes	6977'
				Mesaverde	8020'

32. Additional remarks (include plugging procedure)

33. Circle enclosed attachments:

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

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

Name (please print) Carla Christian Title Sr. Regulatory Specialist  
 Signature *Carla Christian* Date November 9, 2006

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.

## RBU 16-14E Perforations & Frac's

**Interval #1** Mesaverde 8564 – 73 55 holes

Frac w/36,211# 20/40 PR6000 sd., w/215.3 mscf of N2 and 537 bbls of YF12OST.

**Interval #2** Mesaverde 8389 – 02  
8420 – 38  
8441 – 48  
8472 – 78  
8508 - 28 69 holes

Frac w/103,288# 20/40 PR6000 sd., w/530.2 mscf of N2 and 1036 bbls of YF12OST

**Interval #3** Wasatch 7854 – 64  
7934 – 45  
8002 - 10 61 holes

Frac w/97,347# 20/40 Ottawa sd., w/336.4 mscf of N2 and 749 bbls of YF12OST

**Interval #4** Wasatch 7702 – 21 58 holes

Frac w/41,019# 20/40 Ottawa sd., w/144.3 mscf of N2 and 450 bbls of YF115ST

**Interval #5** Wasatch 7488 – 00 61 holes

Frac w/28,823# 20/40 Ottawa sd., w/122.8 mscf of N2 and 413 bbls of YF115ST

**Interval #6** Wasatch 6729 – 33  
6938 – 42 42 holes

Frac w/55,921# 20/40 Ottawa sd., w/246.5 mscf of N2 and 478 bbls of YF115ST



**Dominion Exploration & Production  
Natural Buttes Field  
Uintah County, Utah**

**RBU 16-14E**

**Section 23, 10S, 19E**

**FINAL WELL REPORT**



# **AS DRILLED**

**Prepared for:**

**RBU 16-14E**

**Dominion Exploration & Production**

**on**

**Section 23, 10S, 19E**

**Uintah County, Utah**



# Dominion Exploration & Production

Field: Uintah County, Utah  
 Site: RBU # 16-14E  
 Well: RBU 16-14E  
 Wellpath: Original Hole  
 Plan: Plan #2  
**Plan Vs Actual**



Azimuths to True North  
 Magnetic North: 11.79°

Magnetic Field  
 Strength: 52806nT  
 Dip Angle: 65.90°  
 Date: 7/19/2006  
 Model: igr2005

### FIELD DETAILS

Uintah County, Utah  
 Utah - Natural Buttes  
 USA

Geodetic System: US State Plane Coordinate System 1983  
 Ellipsoid: GRS 1980  
 Zone: Utah, Central Zone  
 Magnetic Model: igr2005

System Datum: Mean Sea Level  
 Local North: True North

### SITE DETAILS

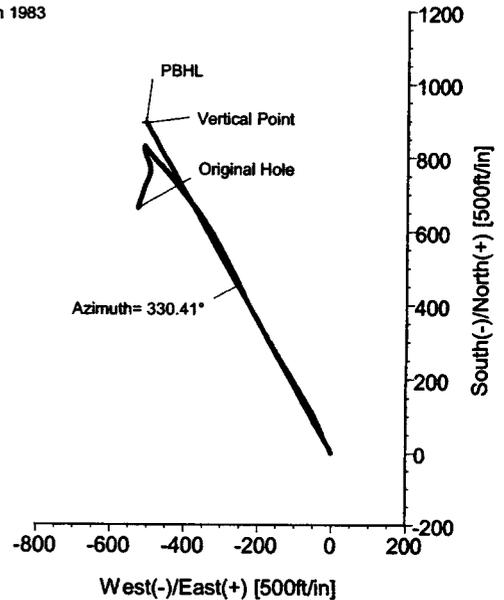
RBU # 16-14E  
 Sec.23, 10S, 19E

Site Centre Latitude: 39°56'20.540N  
 Longitude: 109°44'27.280W

Ground Level: 5179.00  
 Positional Uncertainty: 0.00  
 Convergence: 1.13

### WELLPATH DETAILS

Original Hole			
Rig:	Patterson 12	5195.00ft	
Ref. Datum:	RKB Est		
V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
330.41°	0.00	0.00	0.00



### WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
RBU 16-14E	0.00	0.00	7151382.90	2133609.66	39°56'20.540N	109°44'27.280W	N/A

### TARGET DETAILS

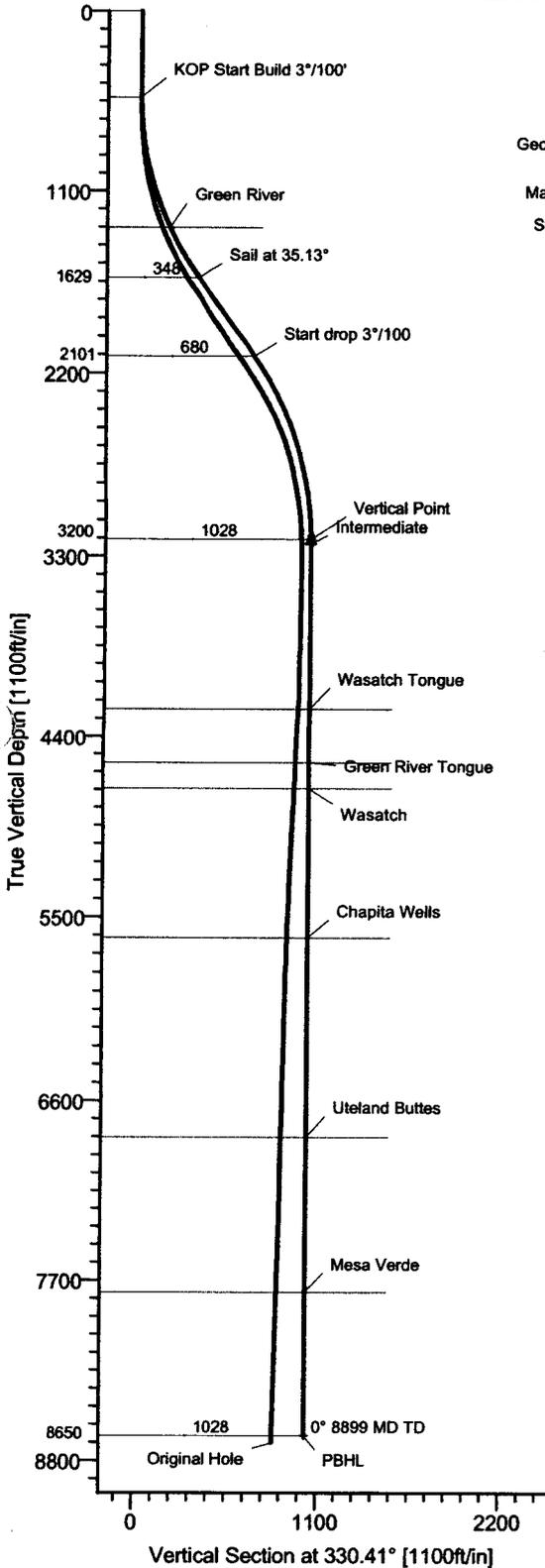
Name	TVD	+N/-S	+E/-W	Shape
Vertical Point	3200.00	893.83	-507.48	Point
PBHL	8650.00	893.83	-507.48	Point

### FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	1325.00	1349.96	Green River
2	4235.00	4484.12	Wasatch Tongue
3	4585.00	4814.12	Green River Tongue
4	4725.00	4974.12	Wasatch
5	5625.00	5874.12	Chapita Wells
6	6825.00	7074.12	Uteland Buttes
7	7775.00	8024.12	Mesa Verde

### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	330.41	0.00	0.00	0.00	0.00	0.00	0.00	
2	530.00	0.00	330.41	530.00	0.00	0.00	0.00	330.41	0.00	
3	1700.94	35.13	330.41	1628.95	302.50	-171.74	3.00	330.41	347.85	
4	2278.18	35.13	330.41	2101.05	591.33	-335.74	0.00	0.00	680.00	
5	3449.12	0.00	330.41	3200.00	893.83	-507.48	3.00	180.00	1027.85	Vertical Point
6	8899.12	0.00	330.41	8650.00	893.83	-507.48	0.00	0.00	1027.85	PBHL





**Ryan** *The leader in*  
**UNDERGROUND INTELLIGENCE™**

# **DIRECTIONAL DRILLING COMPOSITE SURVEY REPORT**

Prepared for:

**RBU 16-14E**

**Dominion Exploration & Production**

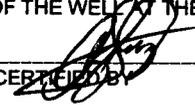
on

**Section 23, 10S, 19E**

**Uintah County, Utah**

Report Prepared on August, 2006

WE HEREBY CERTIFY THAT THE DATA CONTAINED IN THIS REPORT FROM 524' FT. TO 8929' FT BY OUR DIRECTIONAL SUPERVISOR, REPRESENTS TO THE BEST OF OUR KNOWLEDGE, A TRUE AND ACCURATE SURVEY OF THE WELL AT THE TIME THE SURVEY WAS TAKEN.

CERTIFIED BY \_\_\_\_\_  


8-9-06  
DATE



# **SURVEY REPORT - STANDARD**

Prepared for:

**RBU 16-14E**

**Dominion Exploration & Production**

on

**Section 23, 10S, 19E**

**Uintah County, Utah**



# Ryan Energy Technologied Survey Report



<b>Company:</b> Dominion Exploration & Product	<b>Date:</b> 8/9/2006	<b>Time:</b> 08:50:27	<b>Page:</b> 1
<b>Field:</b> Uintah County, Utah	<b>Co-ordinate(NE) Reference:</b> Well: RBU 16-14E, True North		
<b>Site:</b> RBU # 16-14E	<b>Vertical (TVD) Reference:</b> RKB Est 5195.0		
<b>Well:</b> RBU 16-14E	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,330.41Azi)		
<b>Wellpath:</b> Original Hole	<b>Survey Calculation Method:</b> Minimum Curvature	<b>Db:</b> Sybase	

<b>Field:</b> Uintah County, Utah Utah - Natural Buttes USA	<b>Map Zone:</b> Utah, Central Zone
<b>Map System:</b> US State Plane Coordinate System 1983	<b>Coordinate System:</b> Well Centre
<b>Geo Datum:</b> GRS 1980	<b>Geomagnetic Model:</b> igrf2005
<b>Sys Datum:</b> Mean Sea Level	

**Site:** RBU # 16-14E

Sec.23, 10S, 19E

<b>Site Position:</b>	<b>Northing:</b> 7151382.90 ft	<b>Latitude:</b> 39 56 20.540 N	
<b>From:</b> Geographic	<b>Easting:</b> 2133609.66 ft	<b>Longitude:</b> 109 44 27.280 W	
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> True	
<b>Ground Level:</b> 5179.00 ft		<b>Grid Convergence:</b> 1.13 deg	

<b>Well:</b> RBU 16-14E	<b>Slot Name:</b>
<b>Well Position:</b> +N/-S 0.00 ft	<b>Northing:</b> 7151382.90 ft
+E/-W 0.00 ft	<b>Easting:</b> 2133609.66 ft
<b>Position Uncertainty:</b> 0.00 ft	<b>Latitude:</b> 39 56 20.540 N
	<b>Longitude:</b> 109 44 27.280 W

<b>Wellpath:</b> Original Hole	<b>Drilled From:</b> Surface
<b>Current Datum:</b> RKB Est	<b>Tie-on Depth:</b> 0.00 ft
<b>Magnetic Data:</b> 7/19/2006	<b>Above System Datum:</b> Mean Sea Level
<b>Field Strength:</b> 52806 nT	<b>Declination:</b> 11.79 deg
<b>Vertical Section:</b> Depth From (TVD)	<b>Mag Dip Angle:</b> 65.90 deg
ft	+N/-S ft
ft	+E/-W ft
0.00	0.00
	Direction deg
	330.41

Survey Program for Definitive Wellpath				
Date:	8/9/2006	Validated:	No	Version: 1
Actual From	To	Survey	Toolcode	Tool Name
ft	ft			
524.00	3515.00	Survey #1 (524.00-3515.00)	MWD	MWD
4011.00	8879.00	Survey #2 (4011.00-8879.00)	SS	Single-Shot
8929.00	8929.00	Survey #3 (8929.00-8929.00)	Projection	Projection

Survey										
MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
524.00	0.00	330.41	524.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
615.00	0.40	309.10	615.00	0.20	-0.25	0.30	0.44	0.44	0.00	MWD
707.00	2.50	331.10	706.96	2.16	-1.47	2.60	2.32	2.28	23.91	MWD
798.00	5.40	331.70	797.74	7.67	-4.46	8.87	3.19	3.19	0.66	MWD
890.00	7.40	332.10	889.16	16.72	-9.28	19.12	2.17	2.17	0.43	MWD
982.00	9.60	332.20	980.15	28.74	-15.63	32.71	2.39	2.39	0.11	MWD
1073.00	12.60	335.10	1069.43	44.46	-23.35	50.19	3.35	3.30	3.19	MWD
1165.00	15.50	336.90	1158.67	64.87	-32.40	72.41	3.19	3.15	1.96	MWD
1260.00	18.30	334.20	1249.56	89.98	-43.88	99.91	3.06	2.95	-2.84	MWD
1356.00	21.30	329.90	1339.88	118.64	-59.18	132.40	3.47	3.12	-4.48	MWD
1451.00	25.40	328.90	1427.08	151.03	-78.37	170.03	4.34	4.32	-1.05	MWD
1546.00	27.60	327.80	1512.10	187.10	-100.62	212.39	2.37	2.32	-1.16	MWD
1641.00	30.10	327.70	1595.30	225.87	-125.08	258.18	2.63	2.63	-0.11	MWD
1736.00	33.40	328.90	1676.07	268.41	-151.33	308.12	3.54	3.47	1.26	MWD
1831.00	32.80	329.90	1755.66	313.06	-177.74	359.99	0.85	-0.63	1.05	MWD
1926.00	31.60	330.80	1836.04	357.05	-202.78	410.61	1.36	-1.26	0.95	MWD
2021.00	32.40	331.30	1916.61	401.10	-227.15	460.95	0.89	0.84	0.53	MWD
2116.00	34.20	334.70	1996.01	447.57	-250.79	513.03	2.73	1.89	3.58	MWD
2212.00	36.30	333.40	2074.41	497.38	-275.04	568.32	2.32	2.19	-1.35	MWD
2308.00	33.00	332.00	2153.37	545.88	-300.05	622.85	3.54	-3.44	-1.46	MWD
2403.00	34.00	328.60	2232.60	591.40	-326.04	675.27	2.24	1.05	-3.58	MWD



# Ryan Energy Technologied

## Survey Report



<b>Company:</b> Dominion Exploration & Product	<b>Date:</b> 8/9/2006	<b>Time:</b> 08:50:27	<b>Page:</b> 2
<b>Field:</b> Uintah County, Utah	<b>Co-ordinate(NE) Reference:</b>	<b>Well:</b> RBU 16-14E, True North	
<b>Site:</b> RBU # 16-14E	<b>Vertical (TVD) Reference:</b>	<b>RKB Est 5195.0</b>	
<b>Well:</b> RBU 16-14E	<b>Section (VS) Reference:</b>	<b>Well (0.00N,0.00E,330.41Azi)</b>	
<b>Wellpath:</b> Original Hole	<b>Survey Calculation Method:</b>	<b>Minimum Curvature</b>	<b>Db: Sybase</b>

**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
2498.00	30.00	326.00	2313.15	633.78	-353.17	725.52	4.45	-4.21	-2.74	MWD
2593.00	28.00	320.60	2396.25	670.71	-380.61	771.18	3.47	-2.11	-5.68	MWD
2687.00	26.00	322.60	2480.00	704.14	-407.13	813.34	2.34	-2.13	2.13	MWD
2782.00	21.90	321.50	2566.80	734.56	-430.82	851.49	4.34	-4.32	-1.16	MWD
2878.00	17.60	318.80	2657.13	759.50	-451.53	883.41	4.58	-4.48	-2.81	MWD
2974.00	13.80	318.00	2749.54	778.94	-468.76	908.82	3.96	-3.96	-0.83	MWD
3068.00	11.20	317.60	2841.30	794.01	-482.42	928.67	2.77	-2.77	-0.43	MWD
3164.00	8.90	322.60	2935.82	806.80	-493.22	945.12	2.56	-2.40	5.21	MWD
3259.00	7.70	321.20	3029.83	817.60	-501.67	958.69	1.28	-1.26	-1.47	MWD
3355.00	4.00	330.90	3125.31	825.54	-507.33	968.39	3.98	-3.85	10.10	MWD
3450.00	1.50	326.50	3220.19	829.47	-509.63	972.94	2.64	-2.63	-4.63	MWD
3515.00	0.50	250.70	3285.19	830.09	-510.37	973.84	2.25	-1.54	-116.62	MWD
4011.00	1.00	180.00	3781.15	825.04	-512.41	970.46	0.19	0.10	-14.25	SS
5111.00	3.00	158.00	4880.44	788.75	-501.63	933.58	0.19	0.18	-2.00	SS
6062.00	2.00	201.00	5830.60	750.18	-498.25	898.37	0.22	-0.11	4.52	SS
7168.00	1.75	201.00	6936.00	716.40	-511.22	875.39	0.02	-0.02	0.00	SS
8879.00	2.00	192.00	8646.09	662.80	-526.79	836.47	0.02	0.01	-0.53	SS
8929.00	2.00	192.00	8696.06	661.09	-527.15	835.17	0.00	0.00	0.00	PROJECTED to TD

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

**ROUTING**

1. DJJ
2. CDW

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

Operator Name Change/Merger

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

7/1/2007

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

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: XTO Energy Inc. <i>N2615</i>		8. WELL NAME and NUMBER: SEE ATTACHED
3. ADDRESS OF OPERATOR: 810 Houston Street CITY Fort Worth STATE TX ZIP 76102		9. API NUMBER: SEE ATTACHED
PHONE NUMBER: (817) 870-2800		10. FIELD AND POOL, OR WILDCAT: Natural Buttes
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED		COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

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

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

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

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

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

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

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

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

RIVER BEND UNIT

api	well_name	qtr	qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304730087	OSCU 2	NWSE	03	100S	200E	U-037164	7050	Federal	GW	P	
4304730266	RBU 11-18F	NESW	18	100S	200E	U-013793	7050	Federal	GW	P	
4304730374	RBU 11-13E	NESW	13	100S	190E	U-013765	7050	Federal	GW	P	
4304730375	RBU 11-15F	NESW	15	100S	200E	U-7206	7050	Federal	GW	P	
4304730376	RBU 7-21F	SWNE	21	100S	200E	U-013793-A	7050	Federal	GW	P	
4304730405	RBU 11-19F	NESW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304730408	RBU 11-10E	NESW	10	100S	190E	U-013792	7050	Federal	GW	P	
4304730410	RBU 11-14E	NESW	14	100S	190E	U-013792	7050	Federal	GW	P	
4304730411	RBU 11-23E	NESW	23	100S	190E	U-013766	7050	Federal	GW	P	
4304730412	RBU 11-16F	NESW	16	100S	200E	U-7206	7050	Federal	GW	P	
4304730585	RBU 7-11F	SWNE	11	100S	200E	U-01790	7050	Federal	GW	P	
4304730689	RBU 11-3F	NESW	03	100S	200E	U-013767	7050	Federal	GW	P	
4304730720	RBU 7-3E	SWNE	03	100S	190E	U-013765	7050	Federal	GW	P	
4304730759	RBU 11-24E	NESW	24	100S	190E	U-013794	7050	Federal	GW	P	
4304730761	RBU 7-10F	SWNE	10	100S	200E	U-7206	7050	Federal	GW	P	
4304730762	RBU 6-20F	SENE	20	100S	200E	U-013793-A	7050	Federal	GW	P	
4304730768	RBU 7-22F	SWNE	22	100S	200E	14-20-H62-2646	7050	Indian	GW	P	
4304730887	RBU 16-3F	SESE	03	100S	200E	U-037164	7050	Federal	GW	P	
4304730915	RBU 1-15E	NENE	15	100S	190E	U-013766	7050	Federal	GW	P	
4304730926	RBU 1-14E	NENE	14	100S	190E	U-013792	7050	Federal	GW	P	
4304730927	RBU 1-22E	NENE	22	100S	190E	U-013792	7050	Federal	GW	P	
4304730970	RBU 1-23E	NENE	23	100S	190E	U-013766	7050	Federal	GW	P	
4304730971	RBU 4-19F	NWNW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304730973	RBU 13-11F	SWSW	11	100S	200E	U-7206	7050	Federal	WD	A	
4304731046	RBU 1-10E	NWNE	10	100S	190E	U-013792	7050	Federal	GW	S	
4304731115	RBU 16-16F	SESE	16	100S	200E	U-7206	7050	Federal	GW	P	
4304731140	RBU 12-18F	NWSW	18	100S	200E	U-013793	7050	Federal	GW	P	
4304731141	RBU 3-24E	NENW	24	100S	190E	U-013794	7050	Federal	GW	P	
4304731143	RBU 3-23E	NENW	23	100S	190E	U-013766	7050	Federal	GW	P	
4304731144	RBU 9-23E	NESE	23	100S	190E	U-013766	7050	Federal	GW	P	
4304731145	RBU 9-14E	NESE	14	100S	190E	U-013792	7050	Federal	GW	P	
4304731160	RBU 3-15E	NENW	15	100S	190E	U-013766	7050	Federal	GW	P	
4304731161	RBU 10-15E	NWSE	15	100S	190E	U-013766	7050	Federal	GW	P	
4304731176	RBU 9-10E	NESE	10	100S	190E	U-013792	7050	Federal	GW	P	
4304731196	RBU 3-14E	SENE	14	100S	190E	U-013792	7050	Federal	GW	P	
4304731252	RBU 8-4E	SENE	04	100S	190E	U-013792	7050	Federal	GW	P	
4304731322	RBU 1-19F	NENE	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304731323	RBU 5-10E	SWNW	10	100S	190E	U-013792	7050	Federal	GW	P	
4304731369	RBU 3-13E	NENW	13	100S	190E	U-013765	7050	Federal	GW	P	
4304731518	RBU 16-3E	SESE	03	100S	190E	U-035316	7050	Federal	GW	P	
4304731519	RBU 11-11F	NESW	11	100S	200E	U-7206	7050	Federal	GW	P	
4304731520	RBU 1-17F	NENE	17	100S	200E	U-013769-B	7050	Federal	GW	P	
4304731605	RBU 9-13E	NESE	13	100S	190E	U-013765	7050	Federal	GW	P	
4304731606	RBU 3-22E	NENW	22	100S	190E	U-013792	7050	Federal	GW	P	
4304731607	RBU 8-24E	SENE	24	100S	190E	U-013794	7050	Federal	GW	P	
4304731608	RBU 15-18F	SWSE	18	100S	200E	U-013794	7050	Federal	GW	P	

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

RIVER BEND UNIT

api	well name	qtr	qtr	sec	twp	rng	lease num	entity	Lease	well	stat
4304731613	RBU 5-11F	SWNW	11	100S	200E	U-7206	7050	Federal	GW	P	
4304731615	RBU 4-22F	NWNW	22	100S	200E	U-0143521-A	7050	Federal	GW	S	
4304731652	RBU 6-17E	SWNW	17	100S	190E	U-03535	7050	Federal	GW	P	
4304731715	RBU 5-13E	SWNW	13	100S	190E	U-013765	7050	Federal	GW	P	
4304731717	RBU 13-13E	SWSW	13	100S	190E	U-013765	7050	Federal	GW	P	
4304731739	RBU 9-9E	NESE	09	100S	190E	U-03505	7050	Federal	GW	P	
4304732033	RBU 13-14E	SWSW	14	100S	190E	U-013792	7050	Federal	GW	P	
4304732037	RBU 11-3E	NESW	03	100S	190E	U-013765	7050	Federal	GW	P	
4304732038	RBU 6-18F	SENE	18	100S	200E	U-013769	7050	Federal	GW	P	
4304732040	RBU 15-24E	SWSE	24	100S	190E	U-013794	7050	Federal	GW	P	
4304732041	RBU 5-14E	SWNW	14	100S	190E	U-013792	7050	Federal	GW	P	
4304732050	RBU 12-20F	NWSW	20	100S	200E	U-0143520-A	7050	Federal	GW	P	
4304732051	RBU 7-13E	SWNE	13	100S	190E	U-013765	7050	Federal	GW	P	
4304732070	RBU 16-19F	SESE	19	100S	200E	U-013769-A	7050	Federal	WD	A	
4304732071	RBU 9-22E	NESE	22	100S	190E	U-013792	7050	Federal	GW	P	
4304732072	RBU 15-34B	SWSE	34	090S	190E	U-01773	7050	Federal	GW	P	
4304732073	RBU 11-15E	NESW	15	100S	190E	U-013766	7050	Federal	GW	P	
4304732074	RBU 13-21F	SWSW	21	100S	200E	U-0143520-A	7050	Federal	GW	P	
4304732075	RBU 10-22F	NWSE	22	100S	200E	U-01470-A	7050	Federal	GW	P	
4304732081	RBU 9-20F	NESE	20	100S	200E	U-0143520-A	7050	Federal	GW	P	
4304732082	RBU 15-23E	SWSE	23	100S	190E	U-013766	7050	Federal	GW	P	
4304732083	RBU 13-24E	SWSW	24	100S	190E	U-013794	7050	Federal	GW	P	
4304732095	RBU 3-21E	NENW	21	100S	190E	U-013766	7050	Federal	GW	P	
4304732103	RBU 15-17F	SWSE	17	100S	200E	U-013769-C	7050	Federal	GW	P	
4304732105	RBU 13-19F	SWSW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304732107	RBU 1-21E	NENE	21	100S	190E	U-013766	7050	Federal	GW	P	
4304732128	RBU 9-21E	NESE	21	100S	190E	U-013766	7050	Federal	GW	P	
4304732129	RBU 9-17E	NESE	17	100S	190E	U-03505	7050	Federal	GW	P	
4304732133	RBU 13-14F	SWSW	14	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732134	RBU 9-11F	NESE	11	100S	200E	U-7206	7050	Federal	GW	P	
4304732138	RBU 5-21F	SWNW	21	100S	200E	U-013793	7050	Federal	GW	P	
4304732146	RBU 1-20E	NENE	20	100S	190E	U-03505	7050	Federal	GW	P	
4304732149	RBU 8-18F	SENE	18	100S	200E	U-013769	7050	Federal	GW	P	
4304732153	RBU 13-23E	SWSW	23	100S	190E	U-13766	7050	Federal	GW	P	
4304732154	RBU 5-24E	SWNW	24	100S	190E	U-013794	7050	Federal	GW	P	
4304732156	RBU 5-14F	SWNW	14	100S	200E	U-013793A	7050	Federal	GW	P	
4304732166	RBU 7-15E	SWNE	15	100S	190E	U-013766	7050	Federal	GW	P	
4304732167	RBU 15-13E	SWSE	13	100S	190E	U-013765	7050	Federal	GW	P	
4304732189	RBU 13-10F	SWSW	10	100S	200E	14-20-H62-2645	7050	Indian	GW	P	
4304732190	RBU 15-10E	SWSE	10	100S	190E	U-013792	7050	Federal	GW	P	
4304732191	RBU 3-17FX	NENW	17	100S	200E	U-013769-C	7050	Federal	GW	P	
4304732197	RBU 13-15E	SWSW	15	100S	190E	U-013766	7050	Federal	GW	P	
4304732198	RBU 7-22E	SWNE	22	100S	190E	U-013792	7050	Federal	GW	P	
4304732199	RBU 5-23E	SWNW	23	100S	190E	U-013766	7050	Federal	GW	P	
4304732201	RBU 13-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	S	
4304732211	RBU 15-15E	SWSE	15	100S	190E	U-013766	7050	Federal	GW	P	

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
4304732213	RBU 5-19F	SWNW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304732217	RBU 9-17F	NESE	17	100S	200E	U-013769-C	7050	Federal	GW	P	
4304732219	RBU 15-14E	SWSE	14	100S	190E	U-013792	7050	Federal	GW	P	
4304732220	RBU 5-3E	SWNW	03	100S	190E	U-03505	7050	Federal	GW	P	
4304732228	RBU 9-3E	NESE	03	100S	190E	U-035316	7050	Federal	GW	P	
4304732239	RBU 7-14E	SWNE	14	100S	190E	U-103792	7050	Federal	GW	P	
4304732240	RBU 9-14F	NESE	14	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732242	RBU 5-22E	SWNW	22	100S	190E	U-013792	7050	Federal	GW	P	
4304732263	RBU 8-13E	SENE	13	100S	190E	U-013765	7050	Federal	GW	P	
4304732266	RBU 9-21F	NESE	21	100S	200E	U-0143520-A	7050	Federal	GW	P	
4304732267	RBU 5-10F	SWNW	10	100S	200E	U-7206	7050	Federal	GW	P	
4304732268	RBU 9-10F	NESE	10	100S	200E	U-7206	7050	Federal	GW	P	
4304732269	RBU 4-15F	NWNW	15	100S	200E	INDIAN	7050	Indian	GW	PA	
4304732270	RBU 14-22F	SESW	22	100S	200E	U-0143519	7050	Federal	GW	P	
4304732276	RBU 5-21E	SWNW	21	100S	190E	U-013766	7050	Federal	GW	P	
4304732289	RBU 7-10E	SWNE	10	100S	190E	U-013792	7050	Federal	GW	P	
4304732290	RBU 5-17F	SWNW	17	100S	200E	U-013769-C	7050	Federal	GW	P	
4304732293	RBU 3-3E	NENW	03	100S	190E	U-013765	7050	Federal	GW	P	
4304732295	RBU 13-22E	SWSW	22	100S	190E	U-013792	7050	Federal	GW	P	
4304732301	RBU 7-21E	SWNE	21	100S	190E	U-013766	7050	Federal	GW	P	
4304732309	RBU 15-21F	SWSE	21	100S	200E	U-0143520-A	7050	Federal	GW	P	
4304732310	RBU 15-20F	SWSE	20	100S	200E	U-0143520-A	7050	Federal	GW	P	
4304732312	RBU 9-24E	NESE	24	100S	190E	U-013794	7050	Federal	GW	P	
4304732313	RBU 3-20F	NENW	20	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732315	RBU 11-21F	NESW	21	100S	200E	U-0143520-A	7050	Federal	GW	P	
4304732317	RBU 15-22E	SWSE	22	100S	190E	U-013792	7050	Federal	GW	P	
4304732328	RBU 3-19FX	NENW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304732331	RBU 2-11F	NWNE	11	100S	200E	U-01790	7050	Federal	GW	P	
4304732347	RBU 3-11F	NENW	11	100S	200E	U-7206	7050	Federal	GW	P	
4304732391	RBU 2-23F	NWNE	23	100S	200E	U-013793-A	7050	Federal	GW	S	
4304732392	RBU 11-14F	NESW	14	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732396	RBU 3-21F	NENW	21	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732407	RBU 15-14F	SWSE	14	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732408	RBU 4-23F	NWNW	23	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732415	RBU 3-10EX (RIG SKID)	NENW	10	100S	190E	UTU-035316	7050	Federal	GW	P	
4304732483	RBU 5-24EO	SWNW	24	100S	190E	U-013794	11719	Federal	OW	S	
4304732512	RBU 8-11F	SENE	11	100S	200E	U-01790	7050	Federal	GW	P	
4304732844	RBU 15-15F	SWSE	15	100S	200E	14-20-H62-2646	7050	Indian	GW	P	
4304732899	RBU 3-14F	NENW	14	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732900	RBU 8-23F	SENE	23	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732901	RBU 12-23F	NWSW	23	100S	200E	U-01470-A	7050	Federal	GW	P	
4304732902	RBU 1-15F	NENE	15	100S	200E	U-7260	7050	Federal	GW	S	
4304732903	RBU 3-15F	NENW	15	100S	200E	U-7260	7050	Federal	GW	P	
4304732904	RBU 9-15F	NESE	15	100S	200E	U-7260	7050	Federal	GW	P	
4304732934	RBU 3-10F	NENW	10	100S	200E	U-7206	7050	Federal	GW	P	
4304732969	RBU 11-10F	NESW	10	100S	200E	U-7206	7050	Federal	GW	P	

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

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api	well name	qtr	qtr	sec	twp	rng	lease num	entity	Lease	well	stat
4304732970	RBU 12-15F	NWSW	15	100S	200E	U-7206	7050	Federal	GW	P	
4304732971	RBU 15-16F	SWSE	16	100S	200E	U-7206	7050	Federal	GW	S	
4304732972	RBU 1-21F	NENE	21	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732989	RBU 13-10E	SWSW	10	100S	190E	U-013792	7050	Federal	GW	P	
4304732990	RBU 13-18F2	SWSW	18	100S	200E	U-013793	7050	Federal	GW	P	
4304732991	RBU 6-19F	SENW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304733033	RBU 7-23E	NWNE	23	100S	190E	U-013766	7050	Federal	GW	P	
4304733034	RBU 9-18F	NESE	18	100S	200E	U-013794	7050	Federal	GW	P	
4304733035	RBU 14-19F	SESW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304733087	RBU 6-23F	SENW	23	100S	200E	U-013793-A	7050	Federal	GW	P	
4304733088	RBU 1-10F	NENE	10	100S	200E	U-7206	7050	Federal	GW	P	
4304733089	RBU 8-22F	SENE	22	100S	200E	U-0143521	7050	Federal	GW	P	
4304733090	RBU 11-22F	NESW	22	100S	200E	U-0143519	7050	Federal	GW	P	
4304733091	RBU 16-22F	SESE	22	100S	200E	U-01470-A	7050	Federal	GW	P	
4304733156	RBU 4-14E	NWNW	14	100S	190E	U-013792	7050	Federal	GW	P	
4304733157	RBU 7-19F	SWNE	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304733158	RBU 7-20F	SWNE	20	100S	200E	U-013793-A	7050	Federal	GW	P	
4304733159	RBU 7-24E	SWNE	24	100S	190E	U-013794	7050	Federal	GW	P	
4304733160	RBU 8-15E	SENE	15	100S	190E	U-013766	7050	Federal	GW	P	
4304733161	RBU 16-10E	SESE	10	100S	190E	U-013792	7050	Federal	GW	P	
4304733194	RBU 2-14E	NWNE	14	100S	190E	U-013792	7050	Federal	GW	P	
4304733272	RBU 13-3F	SWSW	03	100S	200E	U-013767	7050	Federal	GW	P	
4304733361	RBU 5-3F	SWNW	03	100S	200E	U-013767	7050	Federal	GW	P	
4304733362	RBU 15-10F	SWSE	10	100S	200E	U-7206	7050	Federal	GW	P	
4304733363	RBU 5-16F	SWNW	16	100S	200E	U-7206	7050	Federal	GW	P	
4304733365	RBU 12-14E	NWSW	14	100S	190E	U-013792	7050	Federal	GW	P	
4304733366	RBU 5-18F	SWNW	18	100S	200E	U-013769	7050	Federal	GW	P	
4304733367	RBU 10-23F	NWSE	23	100S	200E	U-01470-A	7050	Federal	GW	P	
4304733368	RBU 14-23F	SESW	23	100S	200E	U-01470-A	7050	Federal	GW	S	
4304733424	RBU 5-20F	SWNW	20	100S	200E	U-013793-A	7050	Federal	GW	P	
4304733643	RBU 2-13E	NWNE	13	100S	190E	U-013765	7050	Federal	GW	P	
4304733644	RBU 4-13E	NWNW	13	100S	190E	U-013765	7050	Federal	GW	P	
4304733714	RBU 4-23E	NWNW	23	100S	190E	U-013766	7050	Federal	GW	P	
4304733715	RBU 6-13E	SENW	13	100S	190E	U-013765	7050	Federal	GW	P	
4304733716	RBU 10-14E	NWSE	14	100S	190E	U-013792	7050	Federal	GW	P	
4304733838	RBU 8-10E	SENE	10	100S	190E	U-013792	7050	Federal	GW	P	
4304733839	RBU 12-23E	NWSW	23	100S	190E	U-013766	7050	Federal	GW	P	
4304733840	RBU 12-24E	NWSW	24	100S	190E	U-013794	7050	Federal	GW	P	
4304733841	RBU 14-23E	SESW	23	100S	190E	U-013766	7050	Federal	GW	P	
4304734302	RBU 1-23F	NENE	23	100S	200E	UTU-013793-A	7050	Federal	GW	P	
4304734661	RBU 16-15E	SESE	15	100S	190E	U-013766	7050	Federal	GW	P	
4304734662	RBU 10-14F	NWSE	14	100S	200E	U-013793-A	7050	Federal	GW	P	
4304734663	RBU 6-14E	SENW	14	100S	190E	U-013792	7050	Federal	GW	P	
4304734670	RBU 8-23E	NENE	23	100S	190E	U-013766	7050	Federal	GW	P	
4304734671	RBU 4-24E	NENE	23	100S	190E	U-013766	7050	Federal	GW	P	
4304734701	RBU 12-11F	SENW	11	100S	200E	U-7206	7050	Federal	GW	P	

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
4304734702	RBU 2-15E	NWNE	15	100S	190E	U-013766	7050	Federal	GW	P
4304734703	RBU 4-17F	NWNW	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304734745	RBU 10-20F	NESE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304734749	RBU 7-18F	SWNE	18	100S	200E	U-013769	7050	Federal	GW	P
4304734750	RBU 12-10F	SWSW	10	100S	200E	14-20-H62-2645	7050	Indian	GW	P
4304734810	RBU 10-13E	NWSE	13	100S	190E	U-013765	7050	Federal	GW	P
4304734812	RBU 1-24E	NENE	24	100S	190E	U-013794	7050	Federal	GW	P
4304734826	RBU 12-21F	NESE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304734828	RBU 4-15E	NWNW	15	100S	190E	U-013766	7050	Federal	GW	P
4304734844	RBU 14-14E	SESW	14	100S	190E	U-013792	7050	Federal	GW	P
4304734845	RBU 10-24E	NWSE	24	100S	190E	U-013794	7050	Federal	GW	P
4304734888	RBU 4-21E	NWNW	21	100S	190E	U-013766	7050	Federal	GW	P
4304734889	RBU 16-24E	SESE	24	100S	190E	U-13794	7050	Federal	GW	P
4304734890	RBU 12-18F2	NWSW	18	100S	200E	U-013793	7050	Federal	GW	P
4304734891	RBU 10-23E	NESW	23	100S	190E	U-013766	7050	Federal	GW	P
4304734892	RBU 8-22E	SENE	22	100S	190E	U-013792	7050	Federal	GW	P
4304734906	RBU 6-22E	SENE	22	100S	190E	U-013792	7050	Federal	GW	P
4304734907	RBU 2-24E	NWNE	24	100S	190E	U-013794	7050	Federal	GW	P
4304734910	RBU 4-16F	NWNW	16	100S	200E	U-7206	7050	Federal	GW	P
4304734911	RBU 12-19F	NWSW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304734912	RBU 14-20F	SESW	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304734942	RBU 1-22F	NWNW	23	100S	200E	U-013793-A	7050	Federal	GW	P
4304734945	RBU 8-19F	SENE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304734946	RBU 8-20F	SENE	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304734962	RBU 12-17F	NWSW	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304734963	RBU 2-17F	NWNE	17	100S	200E	U-013769-C	14117	Federal	GW	P
4304734966	RBU 14-18F	SESW	18	100S	200E	U-013793	7050	Federal	GW	P
4304734967	RBU 10-18F	NWSE	18	100S	200E	U-013794	7050	Federal	GW	P
4304734968	RBU 10-19F	NWSE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304734969	RBU 10-3E	NWSE	03	100S	190E	U-035316	7050	Federal	GW	P
4304734970	RBU 12-3E	NWSW	03	100S	190E	U-013765	7050	Federal	GW	P
4304734971	RBU 15-3E	SWSE	03	100S	190E	U-35316	7050	Federal	GW	P
4304734974	RBU 12-10E	NWSW	10	100S	190E	U-013792	14025	Federal	GW	P
4304734975	RBU 14-10E	NENW	15	100S	190E	U-013766	7050	Federal	GW	P
4304734976	RBU 16-13E	SESE	13	100S	190E	U-013765	7050	Federal	GW	P
4304734977	RBU 8-14E	SENE	14	100S	190E	U-013792	7050	Federal	GW	P
4304734978	RBU 6-15E	SENE	15	100S	190E	U-013766	7050	Federal	GW	P
4304734979	RBU 12-15E	NWSW	15	100S	190E	U-013766	7050	Federal	GW	P
4304734981	RBU 16-17E	SESE	17	100S	190E	U-013766	7050	Federal	GW	P
4304734982	RBU 8-21E	SENE	21	100S	190E	U-013766	7050	Federal	GW	P
4304734983	RBU 4-22E	NWNW	22	100S	190E	U-013792	7050	Federal	GW	P
4304734986	RBU 2-20F	NWNE	20	100S	200E	U-03505	7050	Federal	GW	P
4304734987	RBU 9-20E	SWNW	21	100S	190E	U-03505	7050	Federal	GW	P
4304734989	RBU 7-20E	NENE	20	100S	190E	U-03505	7050	Federal	GW	P
4304734990	RBU 8-20E	SWNW	21	100S	190E	U-03505	14164	Federal	GW	P
4304735041	RBU 16-23E	SWSE	23	100S	190E	U-013766	7050	Federal	GW	P

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
4304735042	RBU 12-22E	NWSW	22	100S	190E	U-013792	14165	Federal	GW	P
4304735058	RBU 7-23F	SWNE	23	100S	200E	U-013793-A	7050	Federal	GW	P
4304735059	RBU 12-13E	NWSW	13	100S	190E	U-013765	7050	Federal	GW	P
4304735060	RBU 14-13E	SESW	13	100S	190E	U-013765	7050	Federal	GW	P
4304735061	RBU 2-22E	NWNE	22	100S	190E	U-013792	7050	Federal	GW	P
4304735062	RBU 6-24E	SESW	24	100S	190E	U-013794	7050	Federal	GW	P
4304735082	RBU 4-17E	NWNW	17	100S	190E	U-03505	7050	Federal	GW	P
4304735086	RBU 16-14E	NENE	23	100S	190E	U-013792	7050	Federal	GW	P
4304735087	RBU 2-3E	NWNE	03	100S	190E	U-013765	7050	Federal	GW	P
4304735088	RBU 6-3E	SESW	03	100S	190E	U-03505	7050	Federal	GW	P
4304735100	RBU 10-10E	NWSE	10	100S	190E	U-013792	7050	Federal	GW	P
4304735101	RBU 16-22E	SESE	22	100S	190E	U-013792	7050	Federal	GW	P
4304735112	RBU 14-24E	SESW	24	100S	190E	U-013794	7050	Federal	GW	P
4304735129	RBU 6-21F	SESW	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304735170	RBU 1-9E	NESE	09	100S	190E	U-03505	7050	Federal	GW	P
4304735171	RBU 16-9E	NESE	09	100S	190E	U-013765	7050	Federal	GW	P
4304735232	RBU 14-21F	SESW	21	100S	200E	U-0143520	7050	Federal	GW	P
4304735250	RBU 13-19F2	NWSW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304735251	RBU 15-19F	SWSE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304735270	RBU 16-21E	SESE	21	100S	190E	U-013766	7050	Federal	GW	P
4304735304	RBU 13-20F	SWSW	20	100S	200E	U-013769	7050	Federal	GW	P
4304735305	RBU 4-21F	NWNW	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304735306	RBU 16-21F	SESE	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304735468	RBU 15-22F	SWSE	22	100S	200E	U-01470-A	7050	Federal	GW	P
4304735469	RBU 11-23F	SESW	23	100S	200E	U-01470A	7050	Federal	GW	P
4304735549	RBU 1-14F	NENE	14	100S	200E	UTU-013793-A	7050	Federal	GW	P
4304735640	RBU 2-21E	NWNE	21	100S	190E	U-013766	7050	Federal	GW	P
4304735644	RBU 10-17E	NWSE	17	100S	190E	U-013766	7050	Federal	GW	P
4304735645	RBU 12-21E	NWSW	21	100S	190E	U-013766	7050	Federal	GW	P
4304736200	RBU 8-17E	SWNE	17	100S	190E	U-013766	7050	Federal	GW	P
4304736201	RBU 15-17EX	SWSE	17	100S	190E	U-013766	7050	Federal	GW	P
4304736293	RBU 2-10E	NWNE	10	100S	190E	U-013792	7050	Federal	GW	P
4304736294	RBU 6-10E	NENW	10	100S	190E	U-013792	7050	Federal	GW	P
4304736296	RBU 6-21E	SESW	21	100S	190E	U-013766	7050	Federal	GW	P
4304736297	RBU 10-22E	NWSE	22	100S	190E	U-013792	7050	Federal	GW	P
4304736318	RBU 14-22E	SESW	22	100S	190E	U-013792	7050	Federal	GW	P
4304736427	RBU 9-15E	NESE	15	100S	190E	U-013766	7050	Federal	GW	DRL
4304736428	RBU 2-17E	NWNE	17	100S	190E	U-013766	7050	Federal	GW	P
4304736429	RBU 1-17E	NENE	17	100S	190E	U-013766	7050	Federal	GW	DRL
4304736432	RBU 3-19F2	NWNW	19	100S	200E	U-013769-A	15234	Federal	GW	P
4304736433	RBU 14-17F	SESW	17	100S	200E	U-03505	7050	Federal	GW	P
4304736434	RBU 2-19F	NWNE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304736435	RBU 5-19FX	SWNW	19	100S	200E	U-013769-A	15855	Federal	GW	P
4304736436	RBU 4-20F	NWNW	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304736605	RBU 16-14F	SESE	14	100S	200E	U-013793A	7050	Federal	GW	P
4304736608	RBU 4-3E	NWNW	03	100S	190E	U-035316	7050	Federal	GW	P

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

RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304736609	RBU 8-3E	SENE	03	100S	190E	U-013765	7050	Federal	GW	P
4304736610	RBU 14-3E	SESW	03	100S	190E	U-013765	7050	Federal	GW	P
4304736686	RBU 13-3E	NWSW	03	100S	190E	U-013765	15235	Federal	GW	P
4304736810	RBU 1-3E	NENE	03	100S	190E	U-013765	7050	Federal	GW	DRL
4304736850	RBU 2-10F	NWNE	10	100S	200E	U-7206	7050	Federal	GW	P
4304736851	RBU 8-21F	SENE	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304737033	RBU 4-10E	SWNW	10	100S	190E	U-035316	7050	Federal	GW	P
4304737057	RBU 11-17E	NWSE	17	100S	190E	U-03505	7050	Federal	GW	DRL
4304737058	RBU 3-17E	NENW	17	100S	190E	U-03505	7050	Federal	GW	P
4304737201	RBU 3-23F	NENW	23	100S	200E	U-013793-A	7050	Federal	OW	P
4304737341	RBU 11-20F	NESW	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304737342	RBU 5-15F	SWNW	15	100S	200E	U-7206	7050	Federal	OW	P
4304737343	RBU 10-16F	NWSE	16	100S	200E	U-7206	7050	Federal	OW	P
4304737344	RBU 9-16F	NESE	16	100S	200E	U-7206	7050	Federal	OW	S
4304737450	RBU 14-17E	SESW	17	100S	190E	U-03505	7050	Federal	GW	P
4304737747	RBU 15-9E	NWNE	16	100S	190E	U-013765	7050	Federal	GW	DRL
4304737893	RBU 9-4EA	SENE	04	100S	190E	U-03505	7050	Federal	GW	P
4304737998	RBU 13-23F	SWSW	23	100S	200E	U-01470-A	7050	Federal	GW	P
4304738181	RBU 12-4E	SWNW	04	100S	190E	U-03576	99999	Federal	GW	DRL
4304738182	RBU 11-4E	SE/4	04	100S	190E	U-03505	99999	Federal	GW	DRL
4304738294	RBU 2-4E	NWNE	04	100S	190E	U-013792	7050	Federal	GW	DRL
4304738295	RBU 5-4E	SWNW	04	100S	190E	U-03576	99999	Federal	GW	DRL
4304738543	RBU 28-18F	NESE	13	100S	190E	U 013793-A	7050	Federal	GW	DRL
4304738548	RBU 32-13E	NESE	13	100S	190E	U-013765	7050	Federal	GW	DRL
4304738555	RBU 27-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	DRL
4304738556	RBU 27-18F2	SWSW	18	100S	200E	U-013793	7050	Federal	GW	DRL
4304738557	RBU 30-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	P
4304738558	RBU 29-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	DRL
4304738595	RBU 31-10E	NENE	15	100S	190E	U-013792	7050	Federal	GW	DRL
4304738596	RBU 17-15E	NENE	15	100S	190E	U-013766	7050	Federal	GW	DRL
4304738780	RBU 8B-17E	SENE	17	100S	190E	U-013766	7050	Federal	GW	DRL

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

RIVER BEND UNIT

api	well name	qtr	qtr	sec	twp	rng	lease num	entity	Lease	well	stat
4304730153	NATURAL 1-2	SE	NW	02	100S	200E	ML-10716	11377	State	OW	PA
4304730260	RBU 11-16E	NE	SW	16	100S	190E	ML-13214	7050	State	GW	S
4304730583	RBU 11-36B	NE	SW	36	090S	190E	ML-22541	99998	State	NA	PA
4304730608	RBU 8-16D	SE	NE	16	100S	180E	ML-13216	99998	State	NA	PA
4304730760	RBU 11-2F	NE	SW	02	100S	200E	ML-10716	9966	State	OW	S
4304731740	RBU 1-16E	NE	NE	16	100S	190E	ML-13214	7050	State	GW	P
4304732026	RBU 16-2F	SE	SE	02	100S	200E	ML-10716	7050	State	GW	P
4304732042	RBU 9-16E	NE	SE	16	100S	190E	ML-13214	7050	State	GW	P
4304732108	RBU 14-2F	SE	SW	02	100S	200E	ML-10716	7050	State	GW	P
4304732136	RBU 8-2F	SE	NE	02	100S	200E	ML-10716	7050	State	GW	P
4304732137	RBU 5-16E	SW	NW	16	100S	190E	ML-13214	7050	State	GW	P
4304732245	RBU 7-16E	SW	NE	16	100S	190E	ML-13214	7050	State	GW	PA
4304732250	RBU 13-16E	SW	SW	16	100S	190E	ML-13214	7050	State	GW	S
4304732292	RBU 15-16E	SW	SE	16	100S	190E	ML-13214	7050	State	GW	PA
4304732314	RBU 10-2F	NW	SE	02	100S	200E	ML-10716	7050	State	GW	P
4304732352	RBU 3-16F	NE	NW	16	100S	200E	ML-3393-A	7050	State	GW	P
4304733360	RBU 1-16F	NE	NE	16	100S	200E	ML-3393	7050	State	GW	P
4304734061	RBU 6-16E	SW	NE	16	100S	190E	ML-13214	7050	State	GW	P
4304734167	RBU 1-2F	NE	NE	02	100S	200E	ML-10716		State	GW	LA
4304734315	STATE 11-2D	NE	SW	02	100S	180E	ML-26968		State	GW	LA
4304734903	RBU 14-16E	SW	SW	16	100S	190E	ML-13214	7050	State	D	PA
4304735020	RBU 8-16E	SE	NE	16	100S	190E	ML-13214	7050	State	GW	P
4304735021	RBU 10-16E	SW	SE	16	100S	190E	ML-13214	7050	State	GW	P
4304735022	RBU 12-16E	NE	SW	16	100S	190E	ML-13214	7050	State	GW	P
4304735023	RBU 16-16E	SW	SW	15	100S	190E	ML-13214	7050	State	GW	P
4304735033	RBU 2-16E	NW	NE	16	100S	190E	ML-13214	7050	State	GW	P
4304735081	RBU 15-2F	SW	SE	02	100S	200E	ML-10716	7050	State	GW	P
4304735348	RBU 13-16F	NW	NW	21	100S	200E	ML-3394	7050	State	GW	DRL
4304736169	RBU 4-16E	NE	NW	16	100S	190E	ML-13214	7050	State	GW	P
4304736170	RBU 3-16E	NE	NW	16	100S	190E	ML-13214	7050	State	GW	P



# 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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-013792
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> RBU 16-14E
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047350860000
<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> 0391 FNL 0159 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 23 Township: 10.0S Range: 19.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input checked="" type="checkbox"/> <b>ACIDIZE</b>  <input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>  <input type="checkbox"/> <b>CHANGE WELL STATUS</b>  <input type="checkbox"/> <b>DEEPEN</b>  <input type="checkbox"/> <b>OPERATOR CHANGE</b>  <input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>  <input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>  <input type="checkbox"/> <b>TUBING REPAIR</b>  <input type="checkbox"/> <b>WATER SHUTOFF</b>  <input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	<input type="checkbox"/> <b>ALTER CASING</b>  <input type="checkbox"/> <b>CHANGE TUBING</b>  <input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>  <input type="checkbox"/> <b>FRACTURE TREAT</b>  <input type="checkbox"/> <b>PLUG AND ABANDON</b>  <input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>  <input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>  <input type="checkbox"/> <b>VENT OR FLARE</b>  <input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>  <input type="checkbox"/> <b>OTHER</b>	<input type="checkbox"/> <b>CASING REPAIR</b>  <input type="checkbox"/> <b>CHANGE WELL NAME</b>  <input type="checkbox"/> <b>CONVERT WELL TYPE</b>  <input type="checkbox"/> <b>NEW CONSTRUCTION</b>  <input type="checkbox"/> <b>PLUG BACK</b>  <input type="checkbox"/> <b>RECOMPLETE DIFFERENT FORMATION</b>  <input type="checkbox"/> <b>TEMPORARY ABANDON</b>  <input type="checkbox"/> <b>WATER DISPOSAL</b>  <input type="checkbox"/> <b>APD EXTENSION</b>  OTHER: _____
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 7/8/2009			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

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

XTO Energy Inc., performed an acid treatment per the following: 7/6/2009  
 MIRU Heat Waves pmp trk. SN @ 8544'. Pmpd 500 gal 7.5% HCL acid dwn tbg. Let set 1 hr. Flushed w/ 40 bbl 2% KCL. RDMO Heat Waves trk. Will let set 24 hr & swab back on. SDFN. 7/8/2009 SITP 300 psig. SICP 740 psig  
 MIRU Wildcat Well Service SWU. SN @ 8545'. Dropd brush plngr. Cycle plngr. KO well flwg. FTP 600 psig. SICP 680 psig. RDMO Wildcat Well Service. RWTP @ 12:30 p.m. 7/8/09. Final rpt.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 October 06, 2009

<b>NAME (PLEASE PRINT)</b> Dolena Johnson	<b>PHONE NUMBER</b> 505 333-3164	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/1/2009	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-013792
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC		<b>8. WELL NAME and NUMBER:</b> RBU 16-14E
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410		<b>9. API NUMBER:</b> 43047350860000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0391 FNL 0159 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 23 Township: 10.0S Range: 19.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/8/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input 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 Inc. performed an acid treatment on this well per the following: 2/29/2012: MIRU. PU on tbg & found tbg stuck dwn hole. Wrk tbg free. TOH w/tbg. Btm 900' tbg had hvy ext sc BU. TIH w/4-3/4" bit, 5-1/2" csg scr & 2-3/8" tbg. 3/1/2012: Cont TIH. MIRU AFU. Tgd & work thru sc BU @ 7,488' - 90', 8,300' - 03' & 8,569' - 71'. Cont TIH & CO to PBSD. RDMO AFU. 3/2/2012: TOH. TIH w/2-3/8" MSC, SN & 2-3/8' tbg. EOT @ 8,578' & SN @ 8,577'. MIRU acid pmp trk. Pmp 250 gal 15% HCL w/adds dwn tbg. Flush tbg w/33 bbls TFW. Pmp 500 gal 15% HCL w/adds dwn TCA. Flush w/30 bbls TFW. 3/5/2012: Swab. BFL @ 6,400' FS. S, 0 BO, 20 BLW, 9 runs, 5 hrs. KWO, F 45 BLW, 0 BO, 64/64" Ck. Well died. Drop BHBS. RDMO. 3/7/2012: MIRU SWU. Swab. 6,000' FS. S 0 BO, 11 BW, 2 run, 2 hr. FFL 6,500' FS. 3/8/2012: Dropd plngr & cycled to surf. RDMO SWU. RWTP.

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

April 04, 2012

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/4/2012	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-013792
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC		<b>8. WELL NAME and NUMBER:</b> RBU 16-14E
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155		<b>9. API NUMBER:</b> 43047350860000
<b>PHONE NUMBER:</b> 303 397-3727 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0391 FNL 0159 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 23 Township: 10.0S Range: 19.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/4/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input 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 Inc. performed acid treatments on this well per the following: 7/28/2014: MIRU acid pmp trk. Pmp 1 bbl 31% HCL acid dwn csg. Pmp 1 bbl TFW to clear lines. RWTP 07/28/2014. RDMO pmp trk. 8/1/2014: MIRU SWU. PU & RIH w/swb tls. 3 runs (2 hrs). Dmp 5 gal 15% HCL ac dwn tbg. SWI & SDFWE. 8/4/2014: SWU. Pmpd 65 gal FW dwn tbg. PU & RIH w/swb tls. 6 runs (4 hrs). PU & RIH w/ fish tls POH. Rec plngr. Well KO flwg. Dropd plngr. Cycled plngr to surf. RWTP 08/04/2014. RDMO SWU.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
August 21, 2014**

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 303-397-3736	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/11/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<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>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-013792
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC		<b>8. WELL NAME and NUMBER:</b> RBU 16-14E
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501, Englewood, CO, 80155		<b>9. API NUMBER:</b> 43047350860000
<b>PHONE NUMBER:</b> 303 397-3727 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0391 FNL 0159 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 23 Township: 10.0S Range: 19.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/20/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input 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 Inc. performed an acid treatment on this well per the following: 10/15/2014: MIRU SLU. RIH w/ fish tls. POH. Rec plngr & BHBS. RIH w/1.908" tbg broach to SN. POH. RIH, Tgd fill @ 8,680' (100' fill). POH. RDMO SLU. MIRU acid pmp trk. Pmp 500 gal 15% HCL acid dwn csg. Pmp 35 bbl TFW flush dwn csg. Pmp 250 gal 15% HCL acid dwn tbg. Pmp 45 bbls TFW flush dwn tbg. SWIFPBU. RDMO acid pmp trk. 10/17/2014: MIRU SWU. PU & RIH w/swb tls. Swab 5 runs (5 hrs). Well KO flwg. Well died during night. 10/20/2014: PU & RIH w/swb tls. Swab 6 runs (4 hrs). Well KO flwg. RWTP 10/20/2014. RDMO SWU.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
November 06, 2014

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 303-397-3736	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/5/2014	