002

B&A Buys & Associates, Inc.
Environmental Consultants

P.O. Box 164
Wellington, Utah 84542
435/637-4075 435/637-4073 Fax

December 13, 2004

Mrs. Diana Whitney
State of Utah
Division of Oil Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.
RBU 4-16E, *Surface Location:* 1,303' FNL, 1,717' FWL, NE/4 NW/4,
Target Location: 600' FNL, 700' FWL, NW/4 NW/4,
Section 16, T10S, R19E, SLB&M, Uintah County, Utah

Dear Mrs. Whitney:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and one copy of the *Application for Permit to Drill (APD)* for the above referenced directional well. A request for exception to spacing (R649-3-11) is hereby requested based on topography since the well is located within 460' of the drilling unit boundary. Dominion Exploration & Production, Inc. is the only owner and operator within 460' of the proposed well and all points along the intended well bore path. Included with the APD is the following supplemental information:

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

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

Exhibit "C" - Production site layout;

Exhibit "D" - Drilling Plan;

Exhibit "E" - Surface Use Plan;

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

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

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

Sincerely,

Don Hamilton

Don Hamilton
Agent for Dominion

cc: Fluid Mineral Group, BLM—Vernal Field Office
Carla Christian, Dominion
Marty Buys, Buys & Associates, Inc.

RECEIVED
DEC 17 2004
DIV. OF OIL, GAS & MINING

FILE COPY

CONFIDENTIAL

001

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

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-13214
6. SURFACE: State

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

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

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☑ MULTIPLE ZONE ☐

8. UNIT or CA AGREEMENT NAME: ~~undesignated~~ Riverbend

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

9. WELL NAME and NUMBER: RBU 4-16E

3. ADDRESS OF OPERATOR: 14000 Quail Sp Pkwy Oklahoma City OK 73134
PHONE NUMBER: (405) 749-5263

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1,303' FNL, 1,717' FWL 603412 X 4422804 Y NE NW 39.950944 -109.789423
AT PROPOSED PRODUCING ZONE: 600' FNL, 700' FWL NW NW

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 16 10 19 S

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 11.24 miles southwest of Ouray, Utah

12. COUNTY: Uintah
13. STATE: UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): 1,303'
16. NUMBER OF ACRES IN LEASE: 640
17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): 25'
19. PROPOSED DEPTH: 8,800
20. BOND DESCRIPTION: SITLA Blanket 76S 63050 361

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5,130'
22. APPROXIMATE DATE WORK WILL START: 3/15/2005
23. ESTIMATED DURATION: 14 days

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT	
17-1/2"	13-3/8"	H-40 ST	48#	500	see Drilling Plan	450
12-1/4"	9-5/8"	J-55 LT	36#	2,800	see Drilling Plan	300 / 390
7-7/8"	5-1/2"	Mav 80 L	17#	8,800	see Drilling Plan	90 / 600

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

CONFIDENTIAL

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ COMPLETE DRILLING PLAN
☐ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☐ FORM 5. IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Don Hamilton
TITLE Agent for Dominion Exploration & Production, Inc.

SIGNATURE Don Hamilton
DATE 12/13/2004

(This space for State use only)

BHL 603108 X 4423011 Y 39.952844 -109.792959

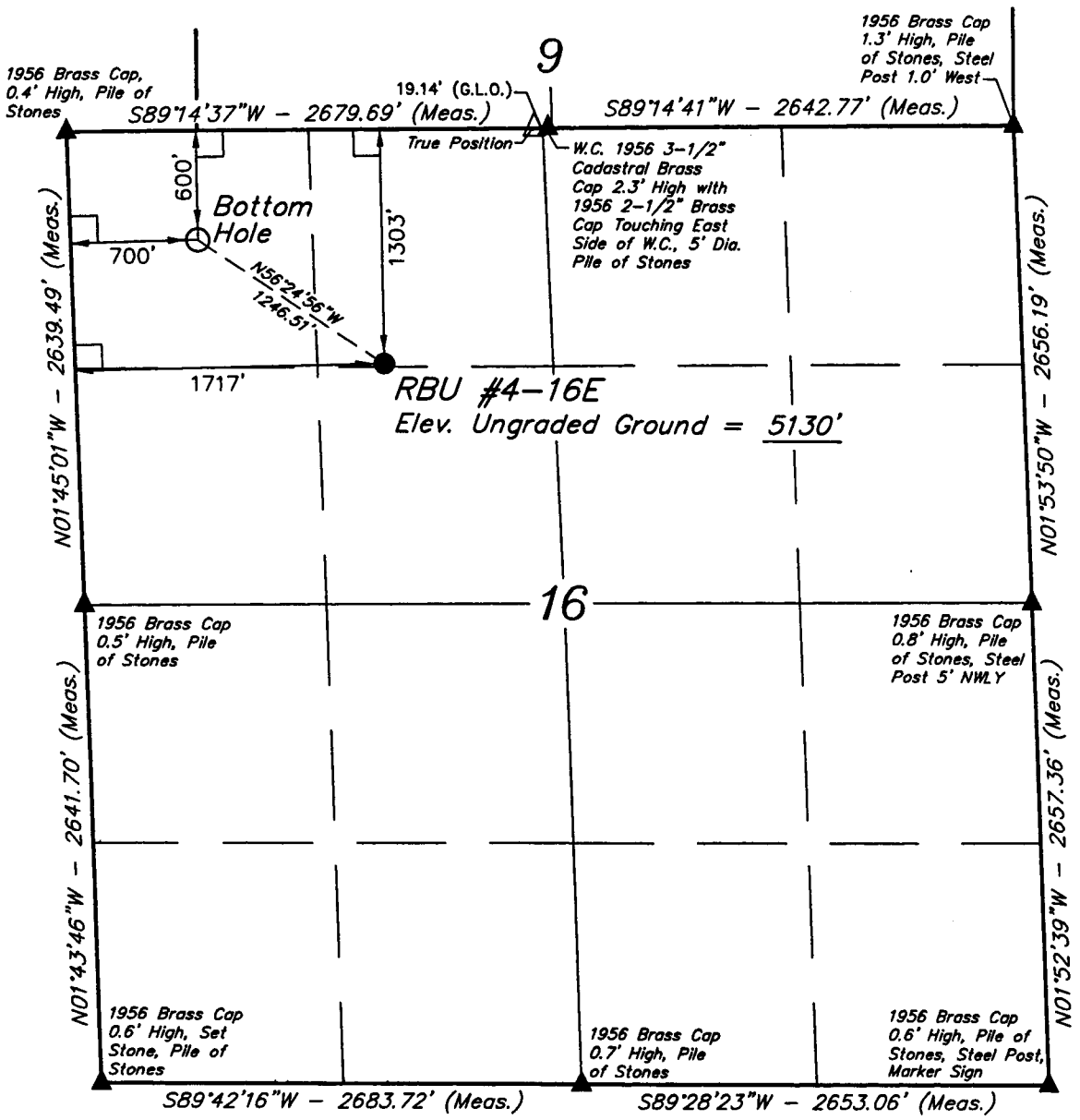
RECEIVED
DEC 17 2004
DIV. OF OIL, GAS & MINING

API NUMBER ASSIGNED: 43-047-36166

APPROVAL:
Approved by the Utah Division of Oil, Gas and Mining
Date: 05-24-05
By: [signature]

(11/2001)

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



BASIS OF BEARINGS

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

(NAD 83)
LATITUDE = 39°57'03.29" (39.950914)
LONGITUDE = 109°47'28.67" (109.791297)
(NAD 27)
LATITUDE = 39°57'03.42" (39.950950)
LONGITUDE = 109°47'26.16" (109.790600)

LEGEND:

└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

DOMINION EXPLR. & PROD., INC.

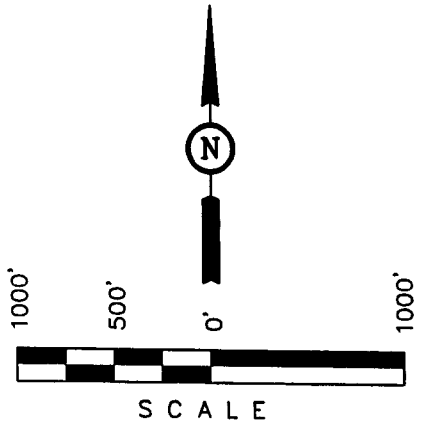
Well location, RBU #4-16E, located as shown in the NE 1/4 NW 1/4 of Section 16, T10S, R19E, S.L.B.&M. Uintah County, Utah.

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.

BASIS OF BEARINGS

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



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 BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

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

SCALE 1" = 1000'	DATE SURVEYED: 11-10-04	DATE DRAWN: 11-19-04
PARTY B.B. T.H. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	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 4-16E SHL: 1303' FNL & 1717' FWL Section 16-10S-19E BHL: 600' FNL & 700' FWL Section 16-10S-19E Uintah County, UT

1. GEOLOGIC SURFACE FORMATION — Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

Formation	Depth
Wasatach Tongue	4.285'
Uteland Limestone	4.645'
Wasatch	4.785'
Chapita Wells	5.720'
Uteland Buttes	6.940'
Mesaverde	7.900'

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

Formation	Depth	Type
Wasatch Tongue	4.285'	Oil
Uteland Limestone	4.645'	Oil
Wasatch	4.785'	Gas
Chapita Wells	5.720'	Gas
Uteland Buttes	6.940'	Gas
Mesaverde	7.900'	Gas

4. PROPOSED CASING PROGRAM

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

Type	Size	Weight	Grade	Conn.	Top	Bottom	Hole
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-½"
Intermediate	9-5/8"	36.0 ppf	J-55	LTC	0'	2.800'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8.800'	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.

CONFIDENTIAL

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.

Depths	Mud Weight (ppg)	Mud System
0' – 500'	8.4	Air foam mist. no pressure control
500' – 2,800'	8.6	Fresh water. rotating head and diverter
2,800' – 8,800'	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

CONFIDENTIAL

DRILLING PLAN

APPROVAL OF OPERATIONS

12. CEMENT SYSTEMS

a. Surface Cement:
Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% $CaCl_2$ 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.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume	Excess
Lead	300	0'–2.000'	11.0 ppg	3.82 CFS	658 CF	1.152 CF	75%
Tail	390	2.000'–2.800'	15.6 ppg	1.20 CFS	268 CF	469 CF	75%

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

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

c. Production Casing Cement:
- Drill 7-7/8" hole to 8.800'±, 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 H20 spacer.
- Displace with 3% KCL.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume	Excess
Lead	90	3.700'–4.500'	11.5 ppg	3.12 CFS	139 CF	277 CF	100%
Tail	600	4.500'–8.800'	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

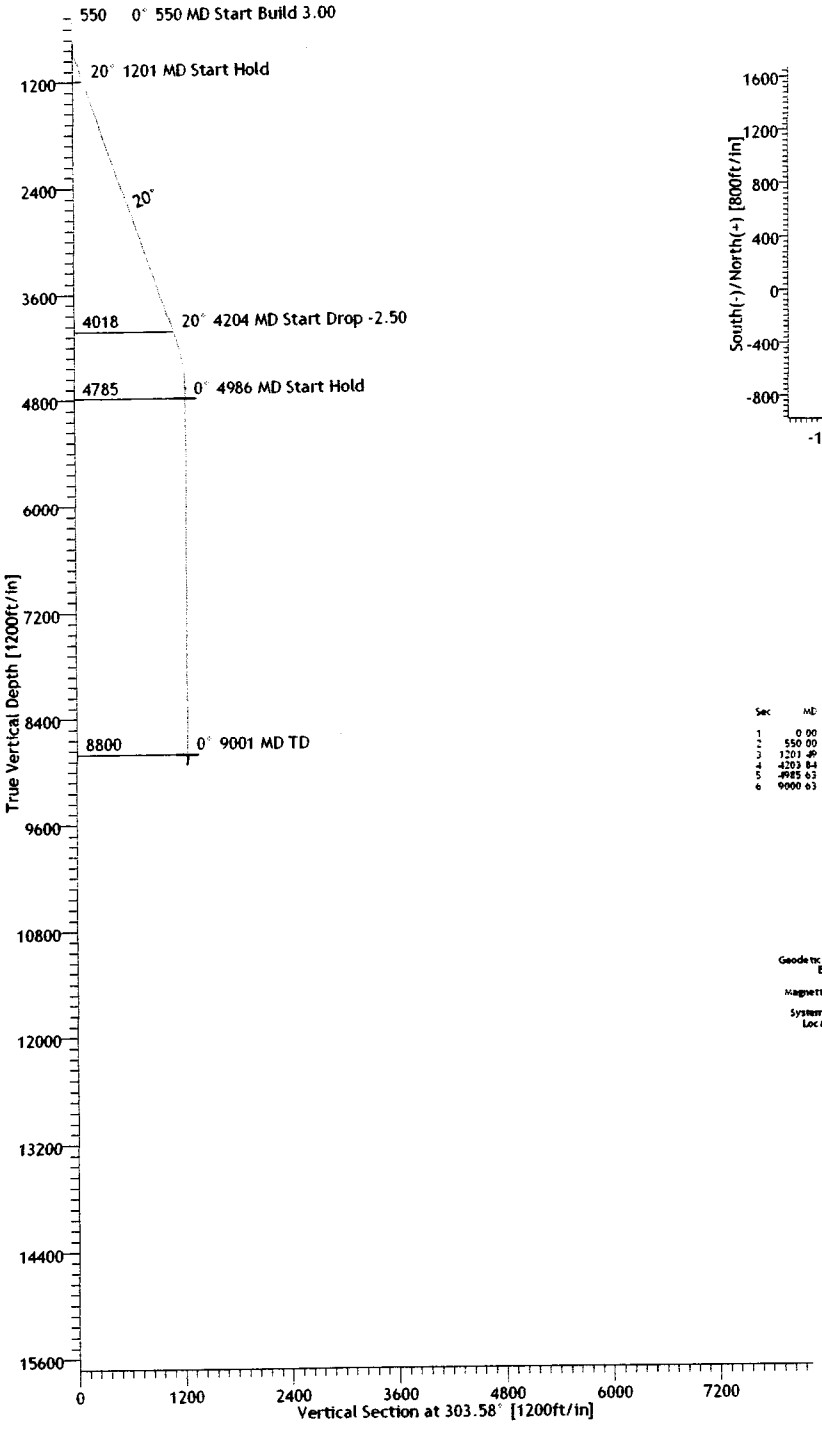
13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS
Starting Date: March 15. 2005
Duration: 14 Days

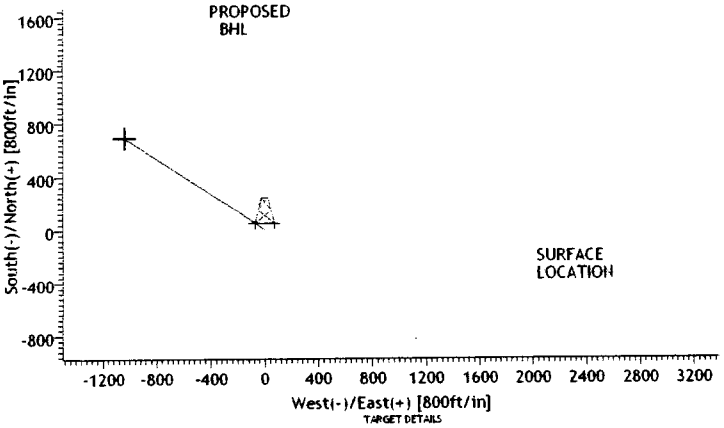
CONFIDENTIAL

Ryan *The leader in UNDERGROUND INTELLIGENCE™*

DOMINION

RBU #4-16E
UINTAH COUNTY
UTAH





TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
TGT1-4	4785.00	689.45	-1038.49	Point
BHL1-4	8800.00	689.53	-1038.43	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	303.58	0.00	0.00	0.00	0.00	0.00	0.00	
2	550.00	0.00	303.58	550.00	0.00	0.00	0.00	0.00	0.00	
3	1201.49	19.54	303.58	1188.93	60.87	-91.68	3.00	303.58	110.04	
4	4203.84	19.54	303.58	4018.29	616.41	-928.47	0.00	0.00	1114.46	
5	4985.63	0.00	303.58	4785.00	689.45	-1038.49	2.50	180.00	1246.51	TGT1-4
6	9000.63	0.00	303.58	8800.00	689.53	-1038.43	0.00	0.00	1246.51	BHL1-4

FIELD DETAILS

UTAH

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: Utah, Central Zone
Magnetic Model: igrf2000

System Datum: Mean Sea Level
Local North: True North

Azimuths to True North
Magnetic North: 12.27

Magnetic Field
Strength: 53081nT
Dip Angle: 65.99
Date: 12/7/2004
Model: igrf2000

WELLPATH DETAILS

ORIGINAL HOLE

Rig Ref. Datum: SITE 0.00ft

V Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
303.58	0.00	0.00	8800.00

SITE DETAILS

UINTAH COUNTY

Site Centre Latitude: 39° 54'55.22011
Longitude: 109° 41'23.390W

Water Depth: 0.00
Positional Uncertainty: 0.00
Convergence: 1.16

CONFIDENTIAL

Ryan Energy
Planning Report

Ryan

Company:	DOMINION	**Date:** 12/7/2004	**Time:** 09:57:47	**Page:**	1
Field:	UTAH	**Co-ordinate(NE) Reference:**	Site: UINTAH COUNTY, True North		
Site:	UINTAH COUNTY	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	RBU #4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)		
Wellpath:	ORIGINAL HOLE	**Plan:**	PLANNED WELL		

Field: UTAH

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: Utah, Central Zone
Coordinate System: Site Centre
Geomagnetic Model: igrf2000

Site: UINTAH COUNTY

Site Position:
From: Geographic
Position Uncertainty: 0.00 ft
Ground Level: 0.00 ft

Northing: 581345.78 ft
Easting: 2507696.06 ft

Latitude: 39 54 55.220 N
Longitude: 109 41 23.390 W
North Reference: True
Grid Convergence: 1.16 deg

Well: RBU #4-16E

Slot Name:

Well Position: +N/-S 0.00 ft, +E/-W 0.00 ft
Position Uncertainty: 0.00 ft

Northing: 581345.78 ft
Easting: 2507696.06 ft

Latitude: 39 54 55.220 N
Longitude: 109 41 23.390 W

Wellpath: ORIGINAL HOLE

Drilled From: Surface
Tie-on Depth: 0.00 ft

Current Datum: SITE
Height 0.00 ft
Above System Datum: Mean Sea Level
Magnetic Data: 12/7/2004
Declination: 12.27 deg
Field Strength: 53081 nT
Mag Dip Angle: 65.99 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
8800.00	0.00	0.00	303.58

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	303.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
550.00	0.00	303.58	550.00	0.00	0.00	0.00	0.00	0.00	0.00	
1201.49	19.54	303.58	1188.93	60.87	-91.68	3.00	3.00	0.00	303.58	
4203.84	19.54	303.58	4018.29	616.41	-928.47	0.00	0.00	0.00	0.00	
4985.63	0.00	303.58	4785.00	689.45	-1038.49	2.50	-2.50	0.00	180.00	TGT14
9000.63	0.00	303.58	8800.00	689.53	-1038.43	0.00	0.00	0.00	0.00	BHL14

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
550.00	0.00	303.58	550.00	0.00	0.00	0.00	0.00	0.00	0.00	
650.00	3.00	303.58	649.95	1.45	-2.18	2.62	3.00	3.00	0.00	
750.00	6.00	303.58	749.63	5.79	-8.72	10.46	3.00	3.00	0.00	
850.00	9.00	303.58	848.77	13.01	-19.59	23.51	3.00	3.00	0.00	
950.00	12.00	303.58	947.08	23.08	-34.77	41.74	3.00	3.00	0.00	
1050.00	15.00	303.58	1044.31	35.99	-54.22	65.08	3.00	3.00	0.00	
1150.00	18.00	303.58	1140.18	51.70	-77.88	93.48	3.00	3.00	0.00	
1201.49	19.54	303.58	1188.93	60.87	-91.68	110.04	3.00	3.00	0.00	
1250.00	19.54	303.58	1234.64	69.84	-105.20	126.27	0.00	0.00	0.00	
1350.00	19.54	303.58	1328.88	88.35	-133.07	159.73	0.00	0.00	0.00	
1450.00	19.54	303.58	1423.12	106.85	-160.94	193.18	0.00	0.00	0.00	
1550.00	19.54	303.58	1517.36	125.35	-188.81	226.64	0.00	0.00	0.00	
1650.00	19.54	303.58	1611.60	143.86	-216.68	260.09	0.00	0.00	0.00	
1750.00	19.54	303.58	1705.83	162.36	-244.56	293.54	0.00	0.00	0.00	
1850.00	19.54	303.58	1800.07	180.86	-272.43	327.00	0.00	0.00	0.00	
1950.00	19.54	303.58	1894.31	199.37	-300.30	360.45	0.00	0.00	0.00	
2050.00	19.54	303.58	1988.55	217.87	-328.17	393.91	0.00	0.00	0.00	
2150.00	19.54	303.58	2082.79	236.37	-356.04	427.36	0.00	0.00	0.00	
2250.00	19.54	303.58	2177.02	254.88	-383.91	460.82	0.00	0.00	0.00	

CONFIDENTIAL

Ryan Energy
Planning Report

Ryan

Company:	DOMINION	**Date:** 12/7/2004	**Time:** 09:57:47	**Page:**	2
Field:	UTAH	**Co-ordinate(NE) Reference:**	Site: UINTAH COUNTY, True North		
Site:	UINTAH COUNTY	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	RBU #4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)		
Wellpath:	ORIGINAL HOLE	**Plan:**	PLANNED WELL		

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
2350.00	19.54	303.58	2271.26	273.38	-411.78	494.27	0.00	0.00	0.00	
2450.00	19.54	303.58	2365.50	291.88	-439.65	527.72	0.00	0.00	0.00	
2550.00	19.54	303.58	2459.74	310.39	-467.53	561.18	0.00	0.00	0.00	
2650.00	19.54	303.58	2553.98	328.89	-495.40	594.63	0.00	0.00	0.00	
2750.00	19.54	303.58	2648.21	347.39	-523.27	628.09	0.00	0.00	0.00	
2850.00	19.54	303.58	2742.45	365.90	-551.14	661.54	0.00	0.00	0.00	
2950.00	19.54	303.58	2836.69	384.40	-579.01	694.99	0.00	0.00	0.00	
3050.00	19.54	303.58	2930.93	402.91	-606.88	728.45	0.00	0.00	0.00	
3150.00	19.54	303.58	3025.17	421.41	-634.75	761.90	0.00	0.00	0.00	
3250.00	19.54	303.58	3119.41	439.91	-662.62	795.36	0.00	0.00	0.00	
3350.00	19.54	303.58	3213.64	458.42	-690.49	828.81	0.00	0.00	0.00	
3450.00	19.54	303.58	3307.88	476.92	-718.37	862.27	0.00	0.00	0.00	
3550.00	19.54	303.58	3402.12	495.42	-746.24	895.72	0.00	0.00	0.00	
3650.00	19.54	303.58	3496.36	513.93	-774.11	929.17	0.00	0.00	0.00	
3750.00	19.54	303.58	3590.60	532.43	-801.98	962.63	0.00	0.00	0.00	
3850.00	19.54	303.58	3684.83	550.93	-829.85	996.08	0.00	0.00	0.00	
3950.00	19.54	303.58	3779.07	569.44	-857.72	1029.54	0.00	0.00	0.00	
4050.00	19.54	303.58	3873.31	587.94	-885.59	1062.99	0.00	0.00	0.00	
4150.00	19.54	303.58	3967.55	606.44	-913.46	1096.44	0.00	0.00	0.00	
4203.84	19.54	303.58	4018.29	616.41	-928.47	1114.46	0.00	0.00	0.00	
4250.00	18.39	303.58	4061.94	624.71	-940.97	1129.46	2.50	-2.50	0.00	
4350.00	15.89	303.58	4157.49	641.00	-965.52	1158.93	2.50	-2.50	0.00	
4450.00	13.39	303.58	4254.23	654.98	-986.58	1184.20	2.50	-2.50	0.00	
4481.57	12.60	303.58	4285.00	658.91	-992.49	1191.30	2.50	-2.50	0.00	Wasatch Tongue
4550.00	10.89	303.58	4351.99	666.62	-1004.10	1205.23	2.50	-2.50	0.00	
4650.00	8.39	303.58	4450.57	675.88	-1018.05	1221.98	2.50	-2.50	0.00	
4750.00	5.89	303.58	4549.79	682.75	-1028.40	1234.41	2.50	-2.50	0.00	
4845.54	3.50	303.58	4645.00	687.08	-1034.92	1242.23	2.50	-2.50	0.00	Uteland Limestone
4850.00	3.39	303.58	4649.45	687.23	-1035.14	1242.50	2.50	-2.50	0.00	
4950.00	0.89	303.58	4749.37	689.29	-1038.25	1246.23	2.50	-2.50	0.00	
4985.63	0.00	303.58	4785.00	689.45	-1038.49	1246.51	2.50	-2.50	0.00	Wasatch
5050.00	0.00	303.58	4849.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
5150.00	0.00	303.58	4949.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
5250.00	0.00	303.58	5049.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
5350.00	0.00	303.58	5149.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
5450.00	0.00	303.58	5249.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
5550.00	0.00	303.58	5349.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
5650.00	0.00	303.58	5449.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
5750.00	0.00	303.58	5549.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
5850.00	0.00	303.58	5649.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
5920.63	0.00	303.58	5720.00	689.45	-1038.49	1246.51	0.00	0.00	0.00	Chapita Wells
5950.00	0.00	303.58	5749.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
6050.00	0.00	303.58	5849.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
6150.00	0.00	303.58	5949.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
6250.00	0.00	303.58	6049.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
6350.00	0.00	303.58	6149.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
6450.00	0.00	303.58	6249.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
6550.00	0.00	303.58	6349.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
6650.00	0.00	303.58	6449.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
6750.00	0.00	303.58	6549.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
6850.00	0.00	303.58	6649.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
6950.00	0.00	303.58	6749.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
7050.00	0.00	303.58	6849.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	

CONFIDENTIAL

Ryan Energy
Planning Report

Ryan

Company:	DOMINION	**Date:** 12/7/2004	**Time:** 09:57:47	**Page:**	3
Field:	UTAH	**Co-ordinate(NE) Reference:**	Site: UINTAH COUNTY, True North		
Site:	UINTAH COUNTY	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	RBU #4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)		
Wellpath:	ORIGINAL HOLE	**Plan:**	PLANNED WELL		

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
7140.63	0.00	303.58	6940.00	689.45	-1038.49	1246.51	0.00	0.00	0.00	Uteland Buttes
7150.00	0.00	303.58	6949.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
7250.00	0.00	303.58	7049.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
7350.00	0.00	303.58	7149.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
7450.00	0.00	303.58	7249.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
7550.00	0.00	303.58	7349.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
7650.00	0.00	303.58	7449.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
7750.00	0.00	303.58	7549.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
7850.00	0.00	303.58	7649.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
7950.00	0.00	303.58	7749.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
8050.00	0.00	303.58	7849.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
8100.63	0.00	303.58	7900.00	689.45	-1038.49	1246.51	0.00	0.00	0.00	Mesaverde
8150.00	0.00	303.58	7949.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
8250.00	0.00	303.58	8049.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
8350.00	0.00	303.58	8149.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
8450.00	0.00	303.58	8249.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
8550.00	0.00	303.58	8349.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
8650.00	0.00	303.58	8449.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
8750.00	0.00	303.58	8549.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
8850.00	0.00	303.58	8649.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	
8950.00	0.00	303.58	8749.37	689.45	-1038.49	1246.51	0.00	0.00	0.00	

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4481.57	4285.00	Wasatch Tongue		0.00	0.00
4845.54	4645.00	Uteland Limestone		0.00	0.00
4985.63	4785.00	Wasatch		0.00	0.00
5920.63	5720.00	Chapita Wells		0.00	0.00
7140.63	6940.00	Uteland Buttes		0.00	0.00
8100.63	7900.00	Mesaverde		0.00	0.00
9000.63	8800.00	TD		0.00	0.00

CONFIDENTIAL

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 4-16E SHL: 1303' FNL & 1717' FWL Section 16-10S-19E BHL: 600' FNL & 700' FWL Section 16-10S-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 is pending

1. Existing Roads:

   a. The proposed well site is located approximately 11.24 miles southwest of Ouray, UT.

   b. Directions to the proposed well site have been attached at the end of Exhibit B.

   c. The use of roads under State and County Road Department maintenance are necessary to access the River Bend Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.

   d. All existing roads will be maintained and kept in good repair during all phases of operation.

   e. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

   f. Since no improvements are anticipated to the State, County, Tribal or BLM access roads no topsoil striping will occur.

   g. An off-lease federal Right-of-Way is not anticipated for the access road or utility corridor since both are located within the existing federal unit boundary and within the state lease boundary.

Planned Access Roads:

a. From the existing RBU 2-16E access corridor a new access is proposed trending west approximately 0.35 miles to the proposed well site. The access consists of entirely new disturbance and crosses no significant drainages. A road design plan is not anticipated at this time.

b. The proposed access road will consist of a 14' travel surface within a 30' disturbed area.

c. Proposed access will utilize entirely State of Utah lands in which a right-of-way is not anticipated at this time.

d. A maximum grade of 10% will be maintained throughout the project with no cuts and fills required to access the well.

e. No turnouts are proposed since the access road is only 0.35 miles long and adequate site distance exists in all directions.

f. No culverts are anticipated. Adequate drainage structures will be incorporated into the road.

g. No surfacing material will come from federal or Indian lands.

h. No gates or cattle guards are anticipated at this time.

i. Surface disturbance and vehicular travel will be limited to the approved location access road.

j. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

k. The operator will be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells:

a. 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	None
vi.	Producing wells	18
vii.	Abandon wells	2

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

4. Location of Production Facilities:

a. All permanent structures will be painted a flat, non-reflective Desert Brown to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.

c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

d. A tank battery will be constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.

e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.

f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.

g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

h. A gas pipeline is associated with this application and is being applied for at this time. The proposed gas pipeline corridor will leave the east side of the well site and traverse 1,850' west to the proposed 4" pipeline corridor at the RBU 2-16E.

i. The gas pipeline will be a 4" steel surface line within a 20' wide utility corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction. A new pipeline length of approximately 1,850' 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 Ute Tribal, SITLA or BLM lands.

c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Methods of Handling Waste Disposal:

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

b. Drill cuttings will be contained and buried on site.

c. The reserve pit will be located outboard of the location and along the south side of the pad.

d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.

e. The reserve pit will be lined with 12 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.

f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.

g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.

h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.

i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.

j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.

k. **Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.**

l. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.

m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

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

9. Well Site Layout: (See Exhibit B)

a. The well will be properly identified in accordance with state regulations.

b. Access to the well pad will be from the east.

c. The pad and road designs are consistent with State and Federal specification

d. A pre-construction meeting with responsible company representative, contractors, State Representatives and the Utah Division of Oil, Gas and Mining will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.

e. The pad has been staked at its maximum size of 355' X 200'; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.

f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.

h. Diversion ditches will be constructed as shown around the well site to prevent surface waters form entering the well site area.

i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.

j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

k. Pits will remain fenced until site cleanup.

l. The blooie line will be located at least 100 feet from the well head.

m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

10. Plans for Restoration of the Surface:

a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.

b. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the Utah Division of Oil, Gas and Mining or the appropriate County Extension Office. On Ute Tribal and State administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides,

pesticides or possibly hazardous chemicals.

c. Upon well completion, any hydrocarbons in the pit shall be removed. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours.

d. The cut and fill slopes and all other disturbed areas not needed for the production operation will be top soiled and re-vegetated. The stockpiled topsoil will be evenly distributed over the disturbed area.

e. Prior to reseeding the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BIA. The BIA recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

a. Surface Ownership – State of Utah – under the management of the SITLA -State Office, 675 East 500 South, Suite 500, Salt Lake, City, Utah 84102-2818; 801-538-5100.
b. Mineral Ownership – State of Utah – under the management of the SITLA -State Office, 675 East 500 South, Suite 500, Salt Lake, City, Utah 84102-2818; 801-538-5100.

12. Other Information:

a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.

13. Operator's Representative and Certification

Title	Name	Office Phone
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 State 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: 12-13-04

DOMINION EXPLR. & PROD., INC.
RBU #3-16E & #4-16E
SECTION ~~20~~ 16, T10S, R19E, S.L.B.&M.

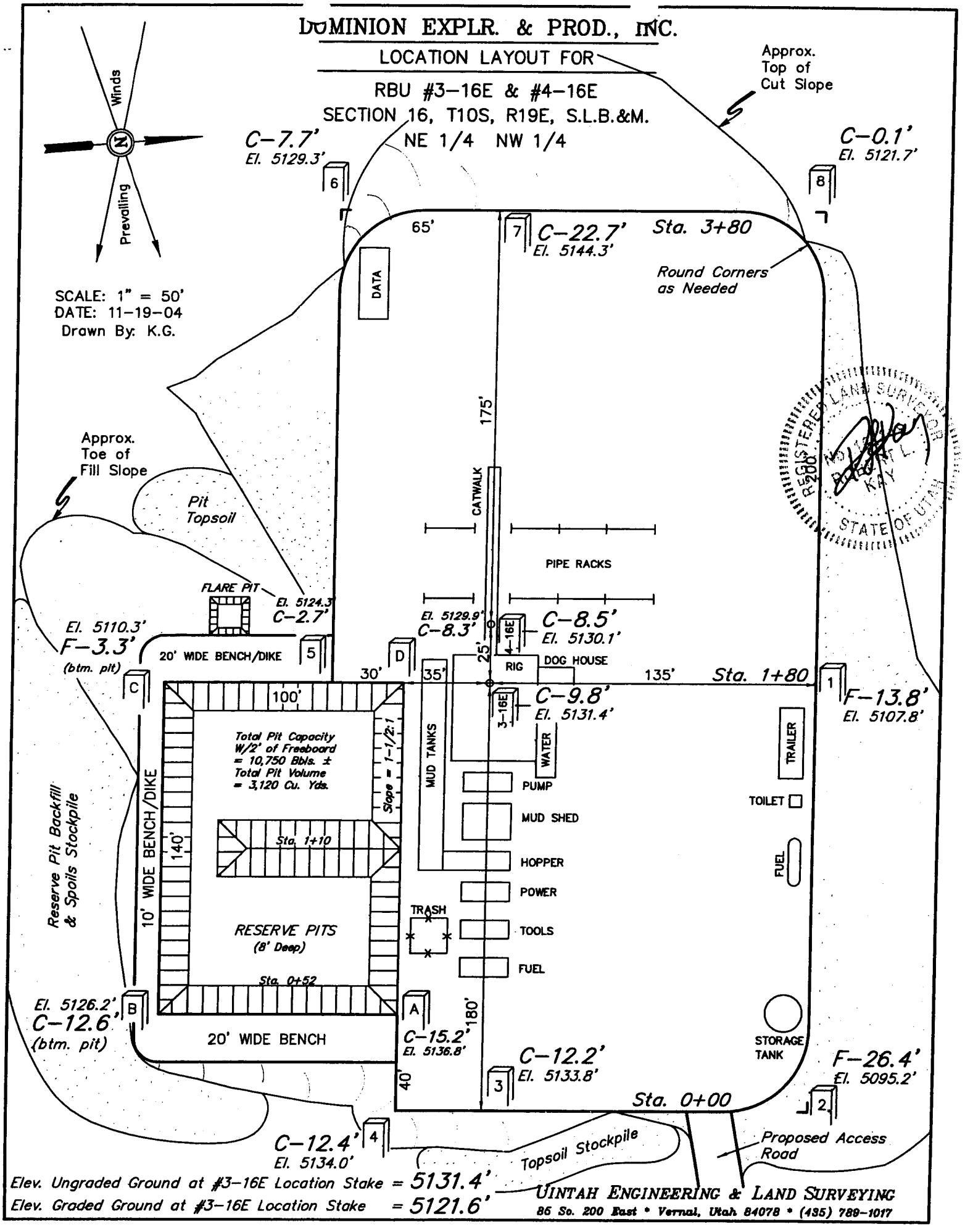
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 3.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 2.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMIATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 0.35 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 53.15 MILES.

DOMINION EXPLR. & PROD., INC.

LOCATION LAYOUT FOR

RBU #3-16E & #4-16E
SECTION 16, T10S, R19E, S.L.B.&M.
NE 1/4 NW 1/4



Elev. Ungraded Ground at #3-16E Location Stake = 5131.4'
Elev. Graded Ground at #3-16E Location Stake = 5121.6'

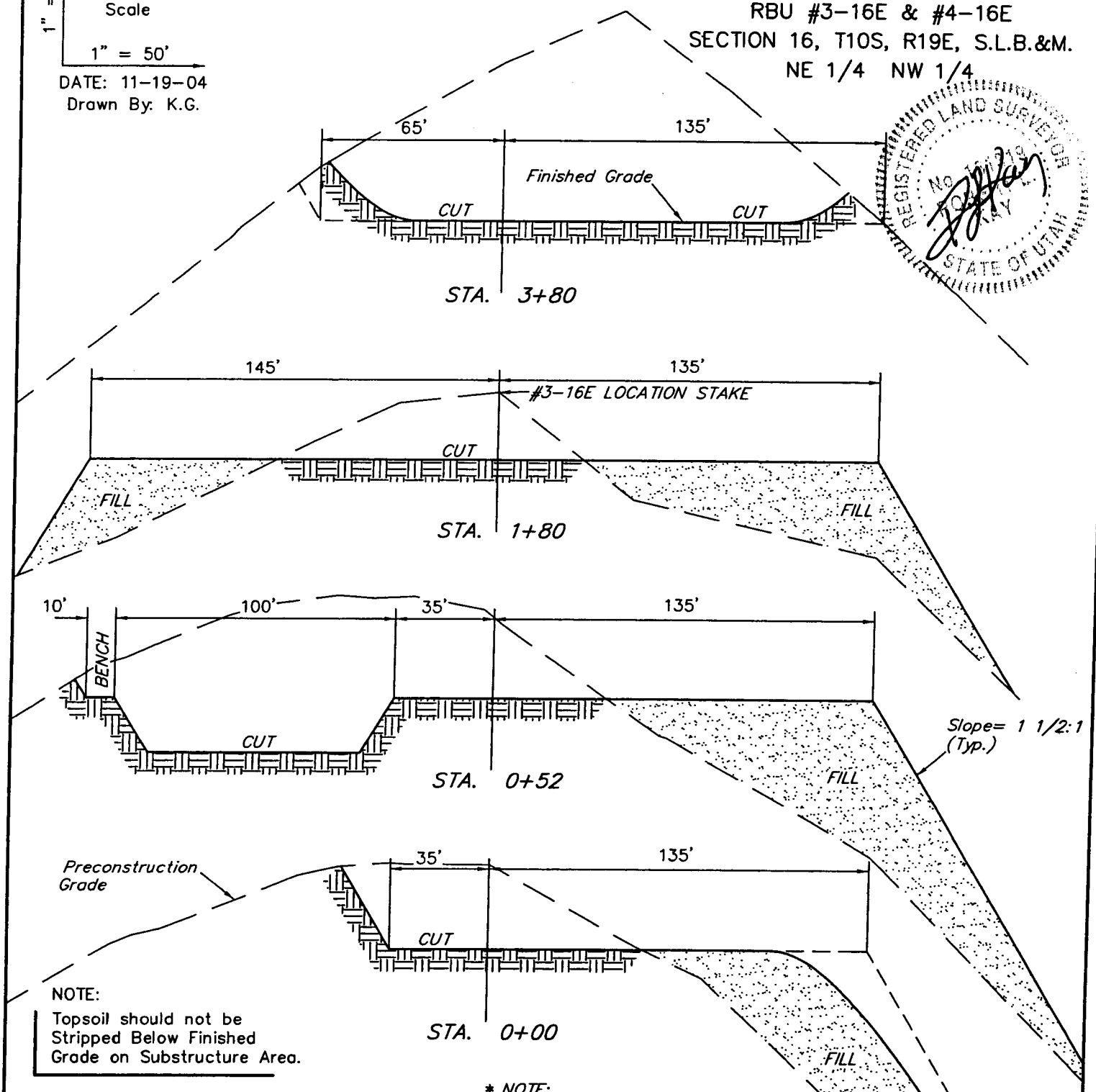
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

DOMINION EXPLR. & PROD., INC.

TYPICAL CROSS SECTIONS FOR

RBU #3-16E & #4-16E
SECTION 16, T10S, R19E, S.L.B.&M.
NE 1/4 NW 1/4

1" = 20'
X-Section Scale
1" = 50'
DATE: 11-19-04
Drawn By: K.G.



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

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping	=	2,630 Cu. Yds.
Remaining Location	=	23,440 Cu. Yds.
TOTAL CUT	=	26,070 CU.YDS.
FILL	=	21,880 CU.YDS.

Excess Material	=	4,190 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	4,190 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.

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

DOMINION EXPLR. & PROD., INC.

RBU #3-16E & #4-16E

LOCATED IN UINTAH COUNTY, UTAH
SECTION 16, T10S, R19E, S.L.B.&M.

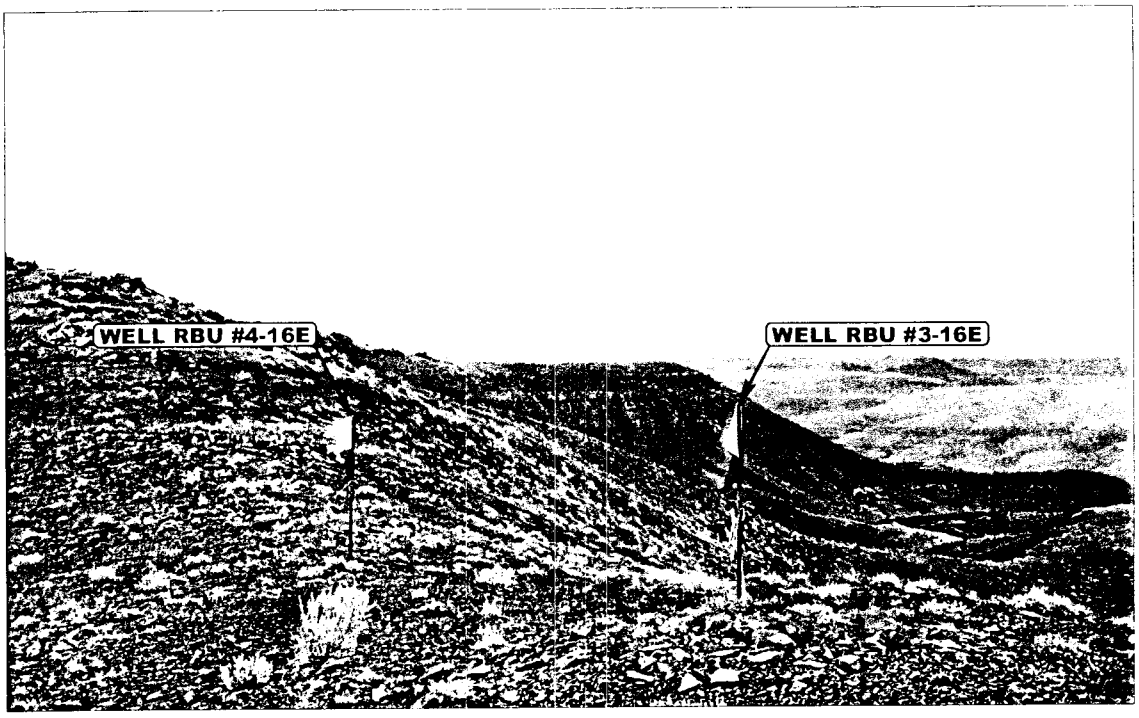


PHOTO: VIEW OF LOCATION STAKES **CAMERA ANGLE: NORTHWESTERLY**

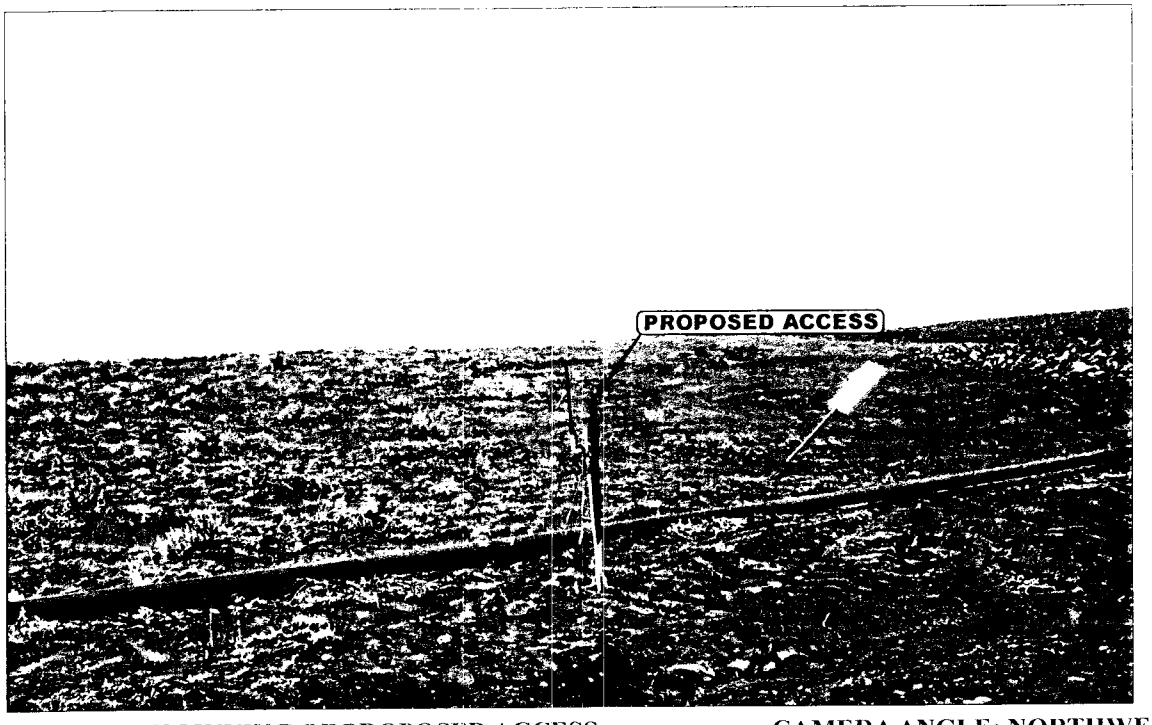
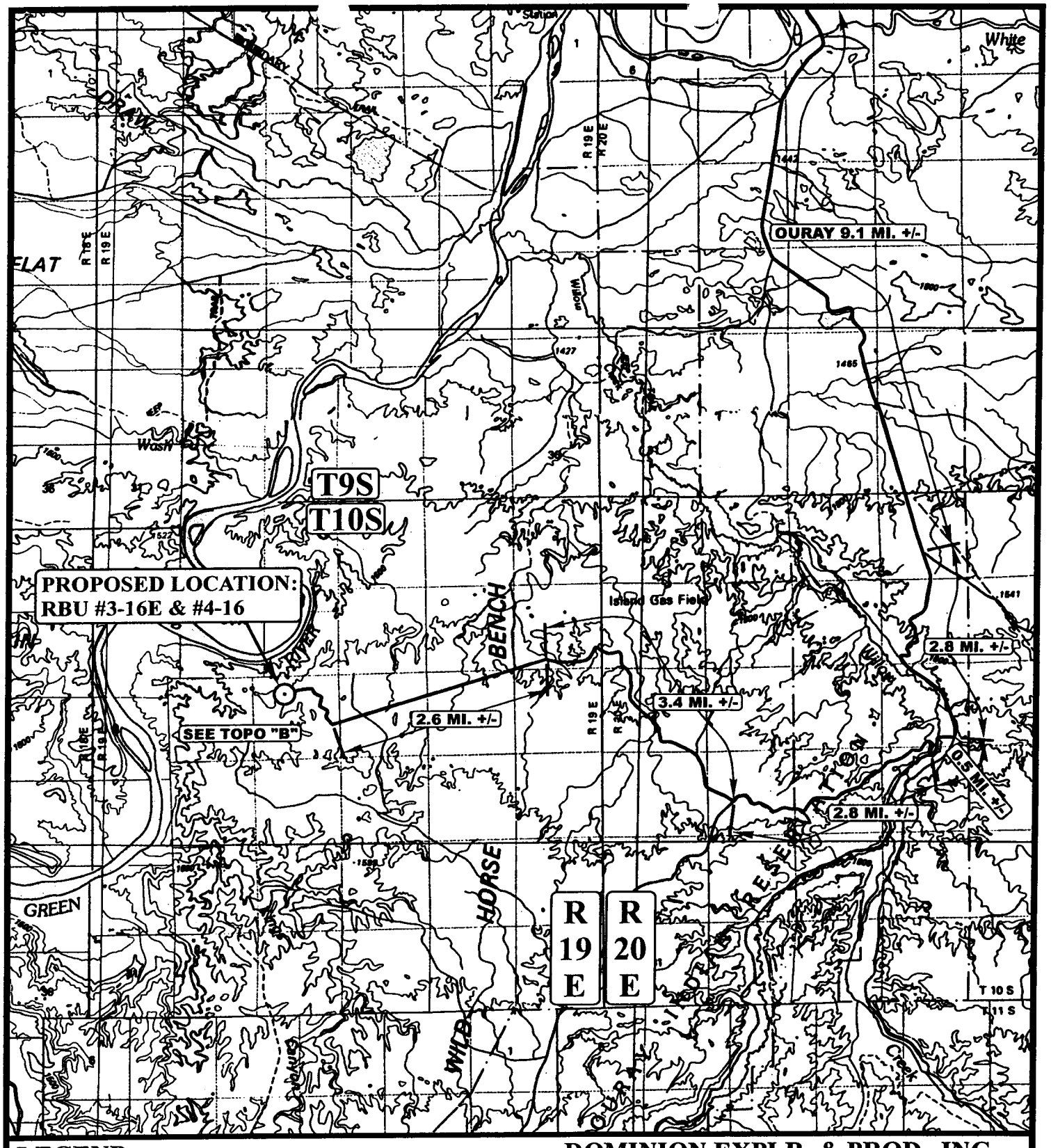


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: NORTHWESTERLY**

- Since 1964 -

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

LOCATION PHOTOS	11 MONTH	18 DAY	04 YEAR	PHOTO
TAKEN BY: B.B.	DRAWN BY: P.M.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

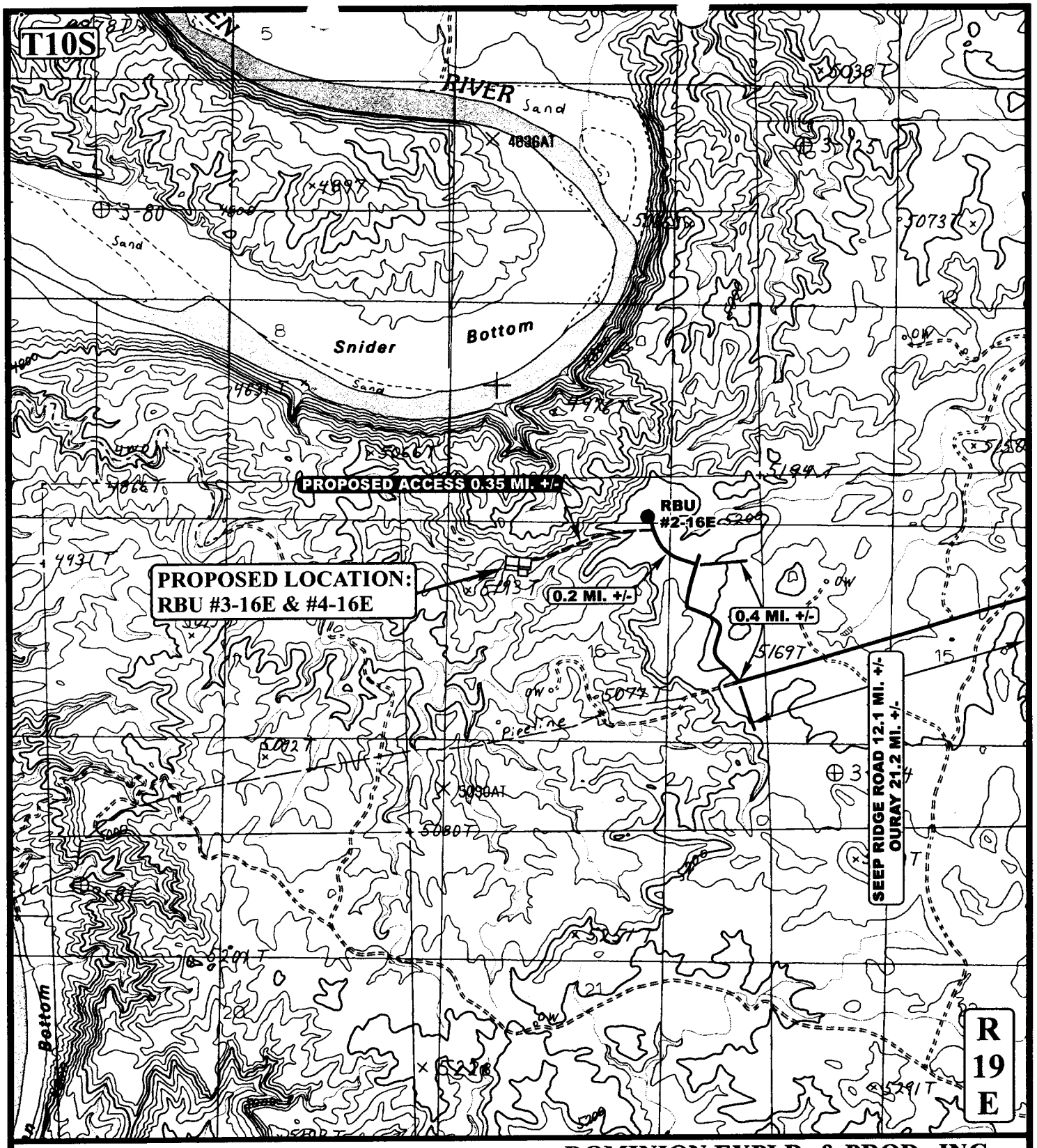
N

DOMINION EXPLR. & PROD., INC.

RBU #3-16E & #4-16E
SECTION 16, T10S, R19E, S.L.B.&M.
NE 1/4 NW 1/4

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

TOPOGRAPHIC MAP	11 MONTH	18 DAY	04 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: P.M.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

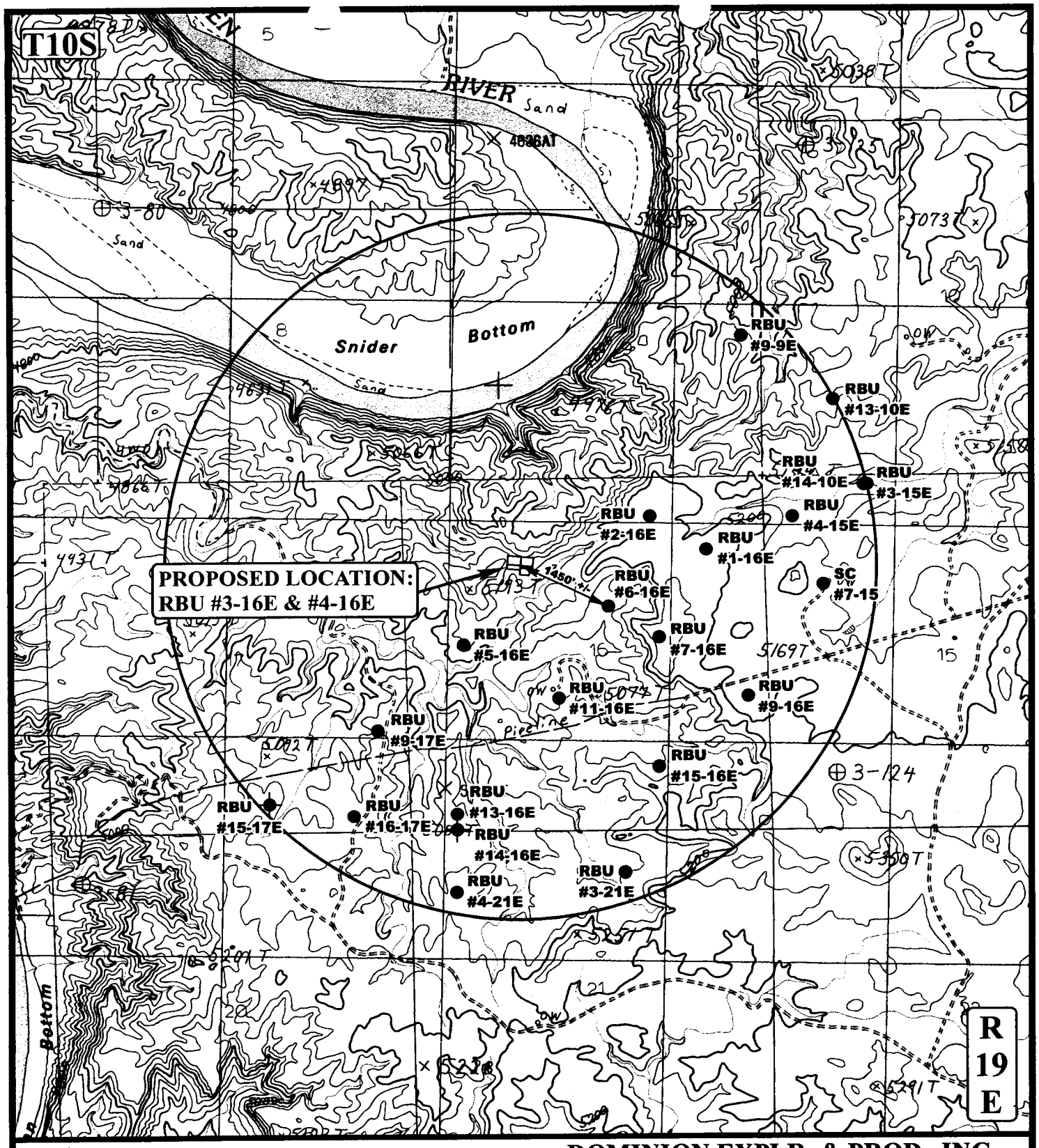
N

DOMINION EXPLR. & PROD., INC.

RBU #3-16E & #4-16E
SECTION 16, T10S, R19E, S.L.B.&M.
NE 1/4 NW 1/4

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

TOPOGRAPHIC MAP	11 MONTH	18 DAY	04 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: P.M.	REVISED: 00-00-00		



LEGEND:

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

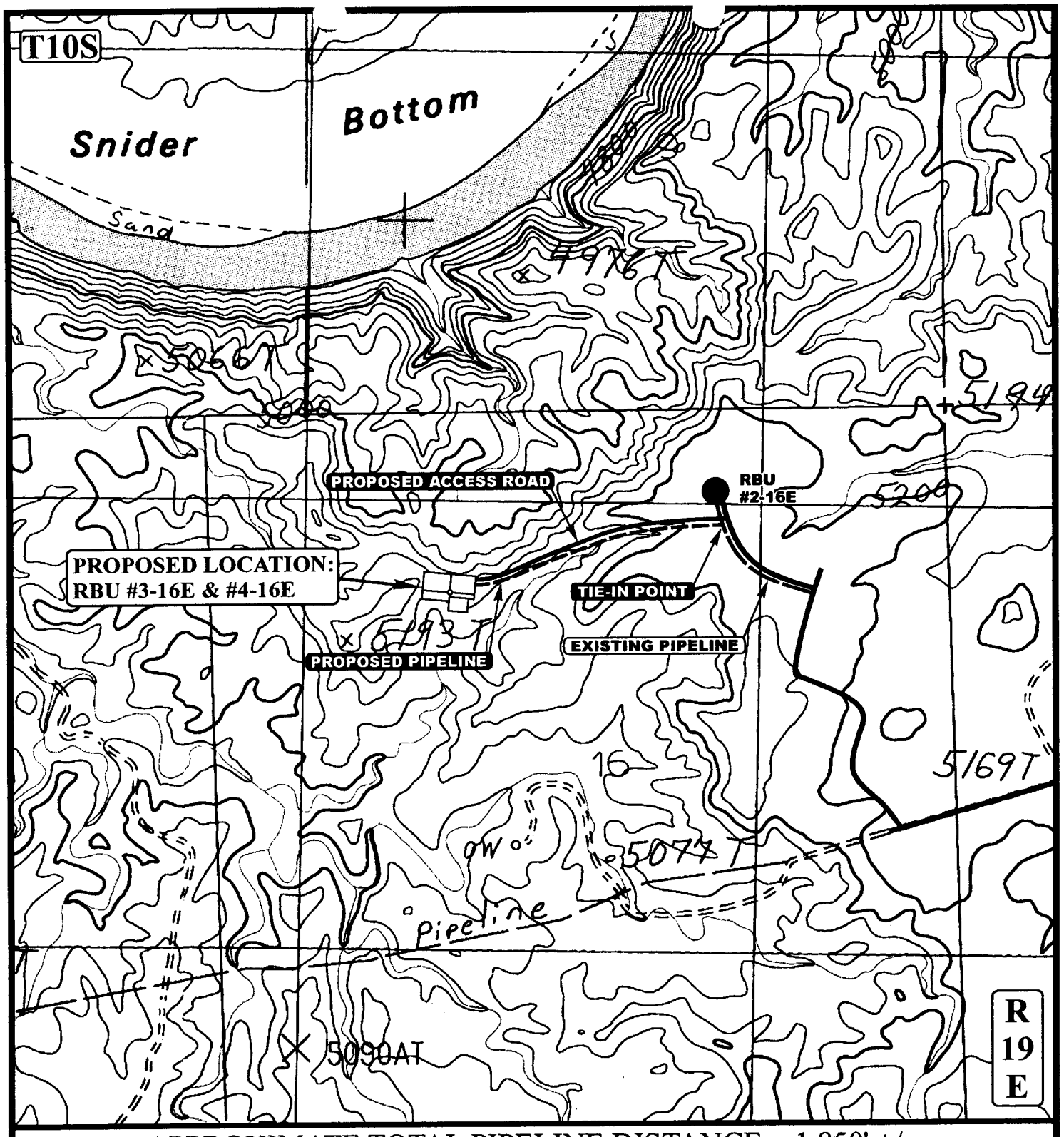
N

DOMINION EXPLR. & PROD., INC.

RBU #3-16E & #4-16E
SECTION 16, T10S, R19E, S.L.B.&M.
NE 1/4 NW 1/4

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

TOPOGRAPHIC MAP	11 MONTH	18 DAY	04 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: P.M.	REVISED: 00-00-00		



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,850' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

N

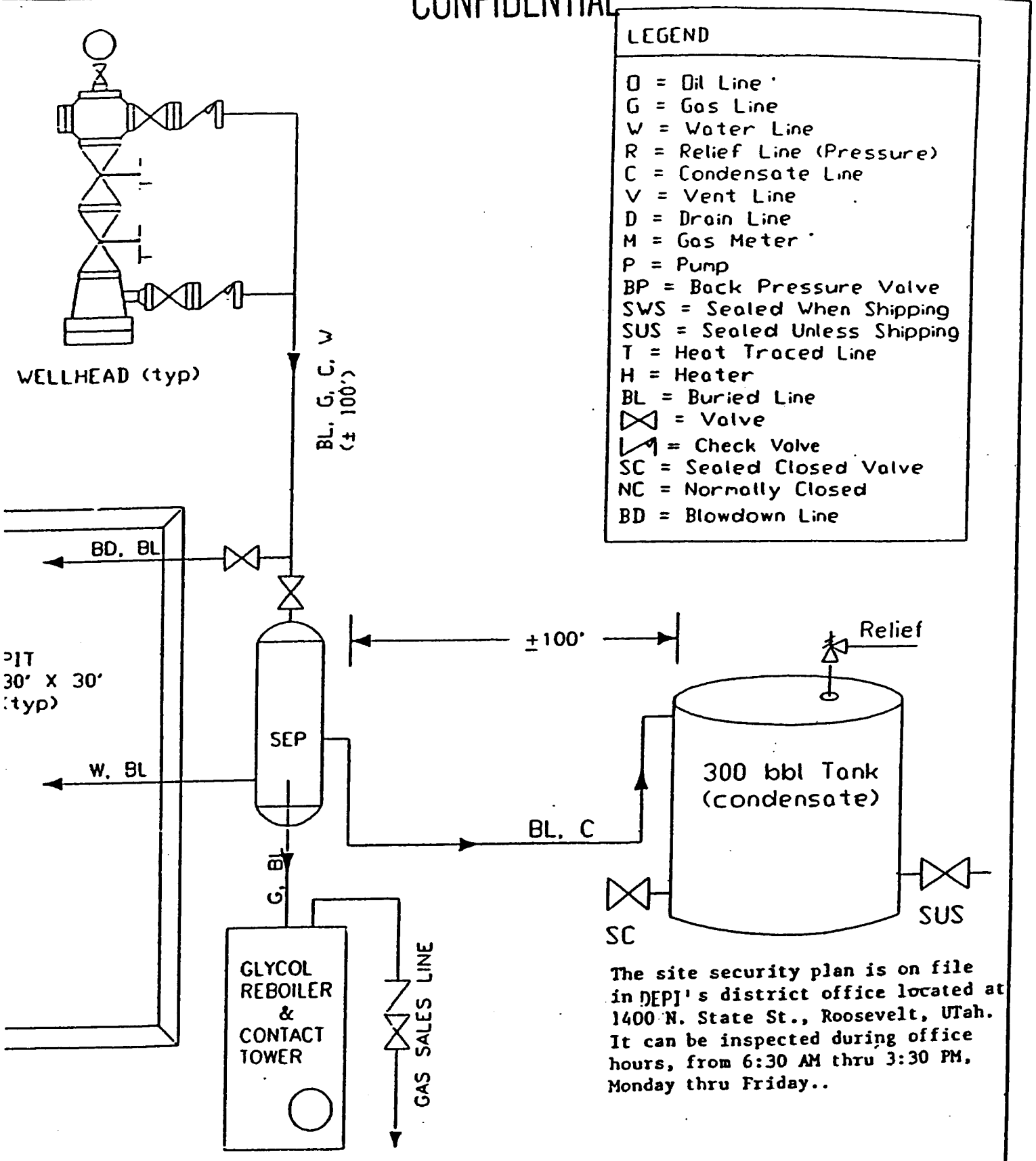
DOMINION EXPLR. & PROD., INC.

RBU #3-16E & #4-16E
SECTION 16, T10S, R19E, S.L.B.&M.
NE 1/4 NW 1/4

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

TOPOGRAPHIC MAP	11 MONTH	18 DAY	04 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: P.M.	REVISED: 00-00-00		

CONFIDENTIAL



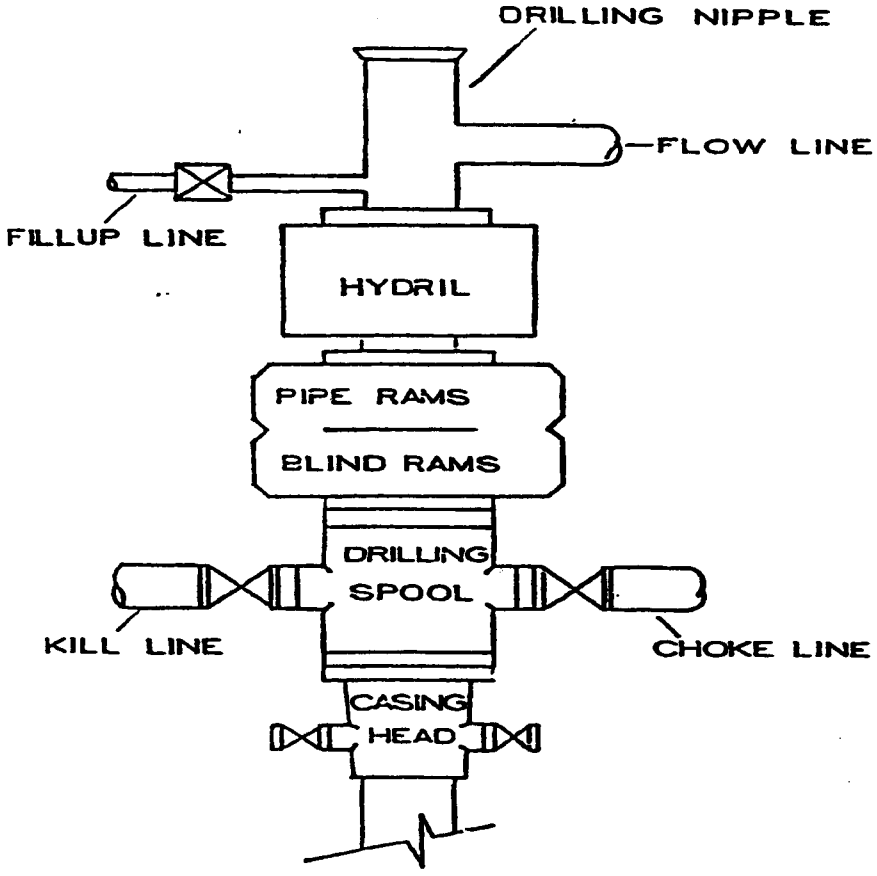
The site security plan is on file in DEPI's district office located at 1400 N. State St., Roosevelt, UTah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..

DOMINION EXPLORATION & PRODUCTION, INC.

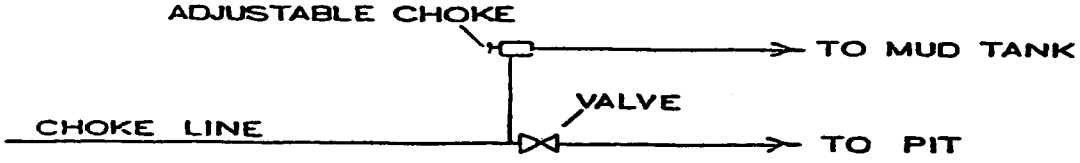
l:		not to scale
	TYPICAL FLOW DIAGRAM	date: / /

FLOWISEP

BOP STACK



CHOKE MANIFOLD



003

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/17/2004

API NO. ASSIGNED: 43-047-36169

WELL NAME: RBU 4-16E
OPERATOR: DOMINION EXPL & PROD (N1095)
CONTACT: DON HAMILTON

PHONE NUMBER: 435-650-1886

PROPOSED LOCATION:
NENW 16 100S 190E
SURFACE: 1303 FNL 1717 FWL
NWNW BOTTOM: 0600 FNL 0700 FWL
UINTAH
NATURAL BUTTES (630)

LEASE TYPE: 3 - State
LEASE NUMBER: ML-13214
SURFACE OWNER: 3 - State
PROPOSED FORMATION: MVRD
COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	3/1/05
Geology		
Surface		

LATITUDE: 39.95094
LONGITUDE: -109.7894

RECEIVED AND/OR REVIEWED:

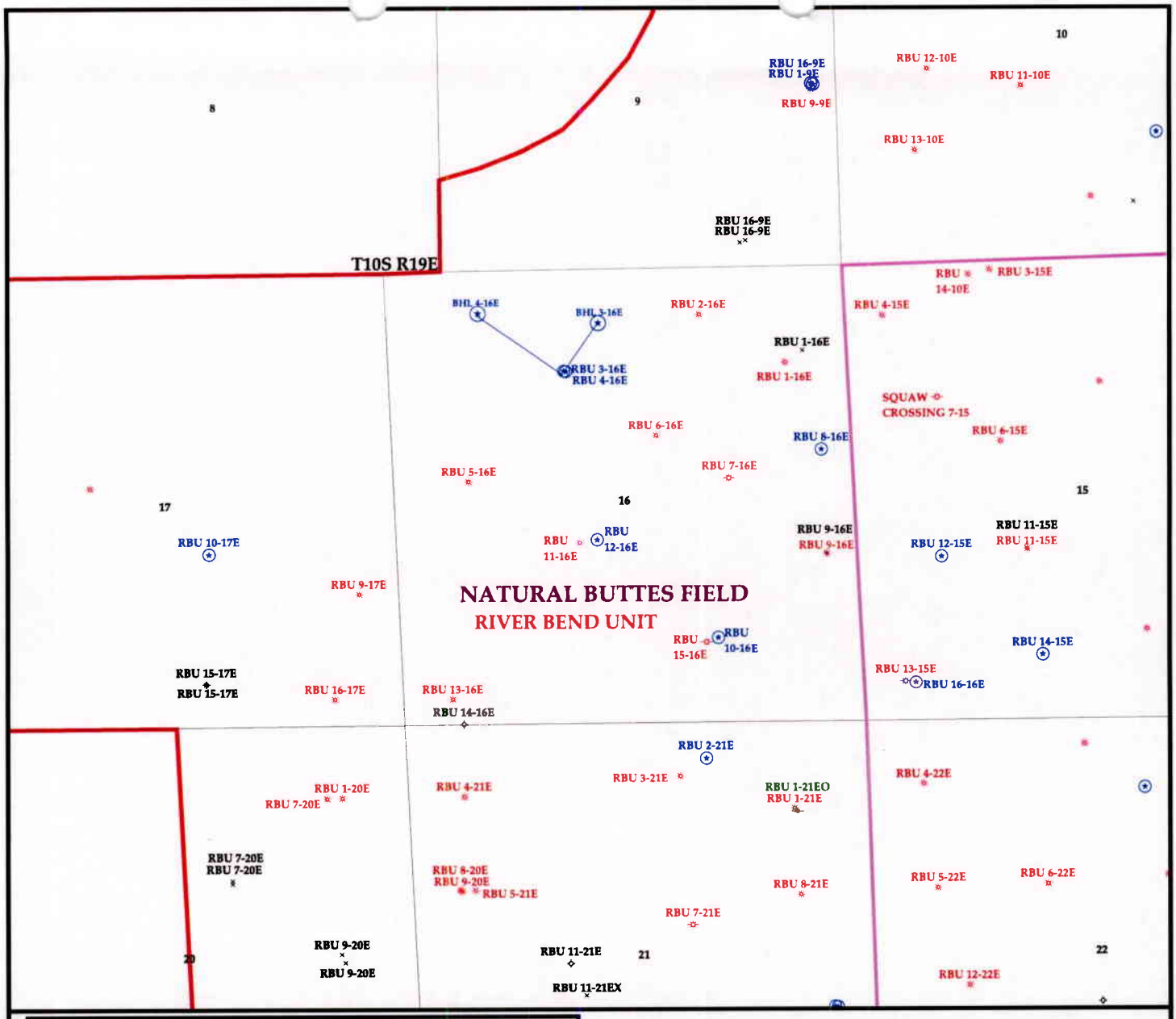
✓ Plat
✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 76S63050600)
N Potash (Y/N)
N Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. 43-10447)
N RDCC Review (Y/N)
(Date:)
NA Fee Surf Agreement (Y/N)

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: Need Plat (02-22-05)

STIPULATIONS: 1- Spacing Stip
2- STATEMENT OF BASIS



OPERATOR: DOMINION EXPK & PROD (N1095)

SEC. 16 T.10S R.19E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-11 / DIRECTIONAL DRILLING

Utah Oil Gas and Mining

Wells

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

Units.shp

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

Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

N
W E
S

PREPARED BY: DIANA WHITNEY
DATE: 23-DECEMBER-2004

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)

December 28, 2004

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2004 Plan of Development River Bend Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2004 within the River Bend Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Mesaverde)		
43-047-36169	RBU 4-16E	Sec 16 T10S R19E 1303 FNL 1717 FWL
	BHL	Sec 16 T10S R19E 0600 FNL 0700 FWL
(Proposed PZ Wasatch)		
43-047-36170	RBU 3-16E	Sec 16 T10S R19E 1306 FNL 1742 FWL
	BHL	Sec 16 T10S R19E 0750 FNL 2100 FWL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:12-28-04

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: DOMINION EXPLORATION & PRODUCTION, INC.
WELL NAME & NUMBER: RBU 4-16E
API NUMBER: 43-047-36169
LEASE: ML-13214 **FIELD/UNIT:** NATURAL BUTTES
LOCATION: 1/4,1/4 NE/NW **Sec:** 16 **TWP:** 10S **RNG:** 19E 1717' FWL 1303' FNL
LEGAL WELL SITING: 460 F **SEC. LINE;** 460 F **1/4,1/4 LINE;** 920 F **ANOTHER WELL.**
GPS COORD (UTM): 4422803E 12603313 **SURFACE OWNER:** STATE OF UTAH

PARTICIPANTS

DAVID W. HACKFORD (DOGM), FLOYD BARTLETT (DWR), KEN SECREST (DOMINION), DAVID WESSTON (U.E.L.S.), ONE DIRT CONTRACTOR.

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS IN AN AREA OF SHARP, RAZORBACK RIDGES WITH STEEP SIDES AND DEEP DRAWS. THESE DRAWS DRAIN TO GREEN RIVER 0.5 MILES TO THE NORTH. THIS IS THE UPPER END OF DESOLATION CANYON. OURAY, UTAH IS 11 MILES TO THE NORTHEAST.

SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 355' BY 270'. ACCESS ROAD WILL BE 0.35 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? (EXPLAIN): UNLIKELY.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: HORSEBRUSH, SHADSCALE, PRICKLEY PEAR, CHEATGRASS, GREASEWOOD RABBITBRUSH: PRONGHORN, COYOTES, SONGBIRDS, RAPTORS, RODENTS, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY WITH DARK GRAY BROKEN SHALE ROCKS.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION. SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED

RESERVE PIT

CHARACTERISTICS: 140' BY 100' AND EIGHT FEET DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 16 MIL LINER AND FELT SUB-LINER WILL BE REQUIRED FOR RESERVE PIT.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WILL BE INSPECTED BY JIM TRUESDALE. A COPY OF HIS REPORT WILL BE SUBMITTED TO THE STATE OF UTAH.

OTHER OBSERVATIONS/COMMENTS

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A COLD, FOGGY, WET DAY. THIS LOCATION WILL BE USED FOR THE RBU 3-16E ALSO. BOTH WELLS WILL BE DIRECTIONAL WELLS.

ATTACHMENTS

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD	2/22/05 11:15 AM
DOGM REPRESENTATIVE	DATE/TIME

Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	5
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	0
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	20
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	20	5
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	0
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	0

Final Score 30 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required .

FEB 22 2005

FEB 22 2005

FEB 22 2005

FEB 22 2005

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

OPERATOR: DOMINION EXPLORATION & PRODUCTION, INC.
WELL NAME & NUMBER: RBU 4-16E
API NUMBER: 43-047-36169
LOCATION: 1/4,1/4 NE/NW Sec: 16 TWP: 10S RNG: 19E 1717'FWL 1303' FNL

Geology/Ground Water:

Dominion proposes to set 500 feet of surface casing cemented to the surface. The base of the moderately saline water is estimated at 3,500 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 16. The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of discontinuous sands interbedded with shales and are not expected to produce prolific aquifers. The proposed surface casing should adequately protect any near surface aquifers.

Reviewer: Brad Hill **Date:** 02-24-05

Surface:

The predrill investigation of the surface was performed on 2/22/05. Floyd Bartlett with DWR and Ed Bonner with SITLA were invited to this investigation on 2/11/05. Mr. Bartlett was present; SITLA did not have a representative present. Mr. Bartlett did not have any concerns regarding the construction of this location or the drilling of the well. This site is on State surface with State minerals. This location will also be used for the RBU 3-16E. Both wells will be directional wells. The bottom hole target for this well will be 1246.51 feet to the northwest. This will be within the drilling window of NWNW quarter-quarter of section 16. This is not a good site for a location, but this is the best site in the immediate area. The southwest corner of the reserve pit will be entirely in fill. This reserve pit will be used for both wells.

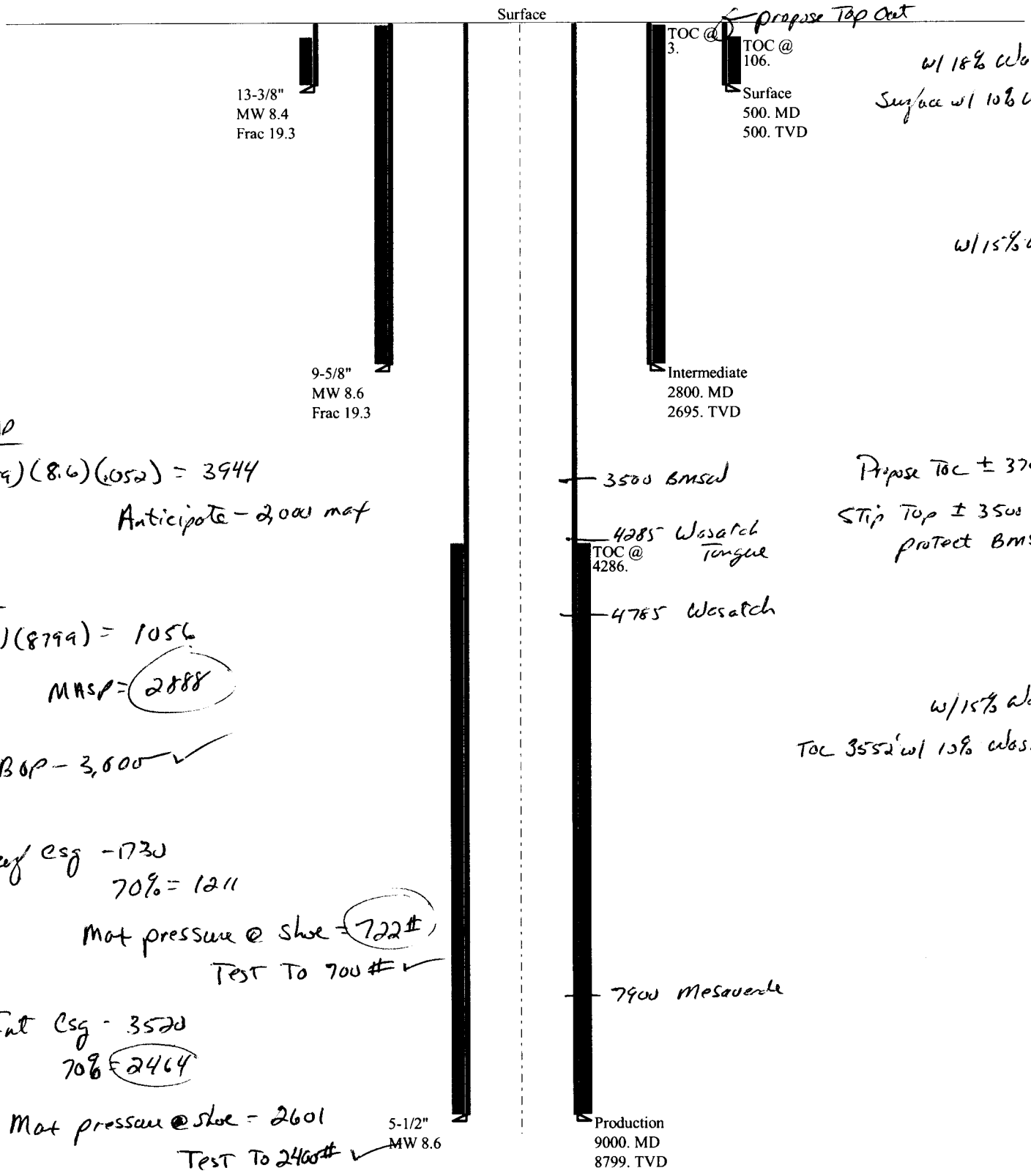
Reviewer: David W. Hackford **Date:** 2/23/2005

Conditions of Approval/Application for Permit to Drill:

1. A 16 mil liner and felt sub-liner shall be properly installed and maintained in the reserve pit.

02-05 Dominion RBU 4-13

Casing Schematic



BHP

(8799)(8.6)(.052) = 3944

Anticipate – 2,000 max

Gas

(.12)(8799) = 1056

MASP = 2888

BOP – 3,000 ✓

Surf csg – 1730

70% = 1211

Max pressure @ shoe = 722#

Test To 700# ✓

Int Csg – 3520

70% = 2464

Max pressure @ shoe = 2601

Test To 2400# ✓

✓ Adequate DKD 3/1/05

Well name:	**02-05 Dominion RBU 4-16E**
Operator:	**Dominion E & P**
String type:	Surface
Location:	Uintah Co.
Project ID:	43-047-36169

Design parameters:

Collapse

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: -60 psi

Internal gradient: 0.556 psi/ft

Calculated BHP 218 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on air weight.

Neutral point: 438 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	72 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	185 ft
Cement top:	106 ft

Non-directional string.

Re subsequent strings:

Next setting depth:	2,695 ft
Next mud weight:	8.600 ppg
Next setting BHP:	1,204 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	500 ft
Injection pressure	500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	500	13.375	48.00	H-40	ST&C	500	500	12.59	46.9

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	218	740	3.394	218	1730	7.93	24	322	13.42 J

Prepared by: Clinton Dworshak, Utah Div. of Oil & Mining

Phone: 810-538-5280

Date: March 1,2005
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 500 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**02-05 Dominion RBU 4-16E**
Operator:	**Dominion E & P**
String type:	Intermediate
Project ID:	43-047-36169
Location:	Uintah Co.

Design parameters:

Collapse

Mud weight: 8.600 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,464 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,787 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on air weight.
Neutral point: 2,436 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	103 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	500 ft
Cement top:	3 ft

Directional well information:

Kick-off point	0 ft
Departure at shoe:	645 ft
Maximum dogleg:	3 °/100ft
Inclination at shoe:	19.54 °

Re subsequent strings:

Next setting depth:	8,799 ft
Next mud weight:	8.600 ppg
Next setting BHP:	3,931 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	2,800 ft
Injection pressure	2,800 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	2800	9.625	36.00	J-55	LT&C	2695	2800	8.796	199.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1204	2020	1.678	2787	3520	1.26	97	453	4.67 J

Prepared by: Clinton Dworshak, Utah Div. of Oil & Mining
Phone: 810-538-5280
Date: March 1,2005
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 2695 ft, a mud weight of 8.6 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**02-05 Dominion RBU 4-16E**
Operator:	**Dominion E & P**
String type:	Production
Location:	Uintah Co.
Project ID:	43-047-36169

Design parameters:

Collapse

Mud weight: 8.600 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: -960 psi

Internal gradient: 0.556 psi/ft

Calculated BHP 3,931 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on air weight.

Neutral point: 7,852 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	188 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	368 ft
Cement top:	4,286 ft

Directional well information:

Kick-off point	0 ft
Departure at shoe:	1246 ft
Maximum dogleg:	3 °/100ft
Inclination at shoe:	0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	9000	5.5	17.00	Mav-80	LT&C	8799	9000	4.767	310.1

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3931	6290	1.600	3931	7740	1.97	150	273	1.82 B

Prepared by: Clinton Dworshak, Utah Div. of Oil & Mining

Phone: 810-538-5280

Date: March 1,2005
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 8799 ft, a mud weight of 8.6 ppg The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

From: Ed Bonner
To: Whitney, Diana
Date: 5/23/2005 1:26:30 PM
Subject: Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

QEP Uinta Basin, Inc
WH 2G-2-7-24
WH 4G-2-7-24

Dominion Exploration & Production
RBU 3-16E
RBU 4-16E
WHB 12-36E

Gasco Production Company
Gate Canyon State 34-21-11-15

If you have any questions regarding this matter please give me a call.

CC: Garrison, LaVonne; Hill, Bonnie; Hunt, Gil

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

May 24, 2005

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

Re: River Bend Unit 4-16E Well, 1303' FNL, 1717' FWL, NE NW, Sec. 16, T. 10 South, R. 19 East, Bottom Location 600' FNL, 700' FWL, NW NW, Sec. 16, 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 43-047-36169.

Sincerely,

Don Staley

for Gil Hunt
Acting Associate Director

pab
Enclosures

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

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Operator: Dominion Exploration & Production, Inc.
Well Name & Number River Bend Unit 4-16E
API Number: 43-047-36169
Lease: ML-13214

Location:	NE NW	**Sec.** 16	**T.** 10 South	**R.** 19 East
Bottom Location:	NW NW	**Sec.** 16	**T.** 10 South	**R.** 19 East

Conditions of Approval

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

2. Notification Requirements
   The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
   - 24 hours prior to cementing or testing casing
   - 24 hours prior to testing blowout prevention equipment
   - 24 hours prior to spudding the well
   - within 24 hours of any emergency changes made to the approved drilling program
   - prior to commencing operations to plug and abandon the well

   The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):
   - Dan Jarvis at (801) 538-5338
   - Carol Daniels at (801) 538-5284 (spud)

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

4. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

5. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

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

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-13214

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: River Bend Unit

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: RBU 4-16E

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

9. API NUMBER: 43-047-36169

3. ADDRESS OF OPERATOR: 14000 Quail Springs CITY Oklahoma City STATE OK ZIP 73134 PHONE NUMBER: (405) 749-1300

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1303' FNL & 1717' FWL COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 16 10S 19E STATE: UTAH

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

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

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

The state APD for this well expires May 24, 2006. Dominion is hereby requesting a one year extension.

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 04-27-06
By: [signature]

RECEIVED OPERATOR
5-1-06
CHD

NAME (PLEASE PRINT) Carla Christian TITLE Sr. Regulatory Specialist

SIGNATURE Carla Christian DATE 4/21/2006

(This space for State use only)

RECEIVED
APR 24 2006
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-36169
Well Name: RBU 4-16E
Location: Section 16-10S-19E, 1303' FNL & 1717' FWL
Company Permit Issued to: Dominion Exploration & Production, Inc.
Date Original Permit Issued: 5/24/2005

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

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

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

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

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

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

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

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

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

Carla Christian
Signature

4/21/2006
Date

Title: Sr. Regulatory Specialist

Representing: Dominion Exploration & Production, Inc.

RECEIVED
APR 24 2006
DIV. OF OIL, GAS & MINING

FORM 6

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

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
43-047-36169	RBU 4-16E	NENW	16	10S	19E	Uintah

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
C ~~A~~B	99999	7050	5/24/2006	6/8/06

Comments: MVRD = WSMVD CONFIDENTIAL K

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:

RECEIVED
JUN 01 2006
DIV. OF OIL, GAS & MINING

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
Sr. Regulatory Specialist
Title
5/30/2006
Date

(5/2000)

FORM 9

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-13214
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: River Bend Unit
8. WELL NAME and NUMBER: RBU 4-16E
9. API NUMBER: 43-047-36169
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____
2. NAME OF OPERATOR: Dominion Exploration & Production, Inc.
3. ADDRESS OF OPERATOR: 14000 Quail Springs CITY Oklahoma City STATE OK ZIP 73134 PHONE NUMBER: (405) 749-1300
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1303' FNL & 1717' FWL COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 16 10S 19E STATE: UTAH

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

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

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

Spud well 5/24/06. 5/24/06 ran 12 jts. 13 3/8", 48#, H-40, ST&C csg., set @ 527'. Cemented w/500 sks Class "G", 1.15 cuft/sk, 15.8 ppg., 17 bbls. cmt. to surface.

NAME (PLEASE PRINT) Carla Christian TITLE Sr. Regulatory Specialist
SIGNATURE Carla Christian DATE 5/30/2006

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

JUN 05 2006

FACSIMILE COVER PAGE

To :	**Utah Division of Oil, Gas & Mining**	**From :**	g
Sent :	7/13/2006 at 11:21:06 AM	**Pages :**	3 (including Cover)
Subject :	RBU 4-16E T10S R19E S-16 43-047-36169		

RECEIVED
JUL 13 2006
DIV. OF OIL, GAS & MINING

WELL CHRONOLOGY REPORT

WELL NAME : RBU 4-16E Event No: 1

DISTRICT : WESTERN FIELD : NATURAL BUTTES 630 LOCATION : 1303' FNL 1717' FWL SEC 16 T 10S R 19E

COUNTY & STATE : UINTAH UT CONTRACTOR :

WI % : 100.00 AFE # : 0601254 API # : 43-047-36169 PLAN DEPTH : 9,001 SPUD DATE : 05/24/06

DHC : $778,500 CWC : $658,000 AFE TOTAL : $1,436,500 FORMATION : WASATCH/MESAVERDE

EVENT DC: $759,667.00 EVENT CC: $0.00 EVENT TC: $759,667.00 WELL TOTL COST: $759,667

REPORT DATE: 07/01/06 MD : 727 TVD : 727 DAYS : 1 MW : 8.6 VISC : 26

DAILY : DC : $35,150.00 CC : $0.00 TC : $35,150.00 CUM : DC: $176,626.00 CC : $0.00 TC : $176,626.00

DAILY DETAILS : SKID RIG FROM RBU 3-16E TO RBU 4-16E. SET EQUIPMENT. PU DIRECTIONAL BHA. CHECK MWD TOOLS. TAG CEMENT @ 439'. BREAK CIRCULATION. DRILL CEMENT & SHOE FROM 439' TO 545' DRILL 12.25" HOLE AS PER DIRECTIONAL PLAN, W/ COMBINATION SLIDDING / ROTATION.

REPORT DATE: 07/02/06 MD : 727 TVD : 727 DAYS : 1 MW : 8.6 VISC : 26

DAILY : DC : $35,150.00 CC : $0.00 TC : $35,150.00 CUM : DC: $211,776.00 CC : $0.00 TC : $211,776.00

DAILY DETAILS : SKID RIG FROM RBU 3-16E TO RBU 4-16E. SET EQUIPMENT. PU DIRECTIONAL BHA. CHECK MWD TOOLS. TAG CEMENT @ 439'. BREAK CIRCULATION. DRILL CEMENT & SHOE FROM 439' TO 545' DRILL 12.25" HOLE AS PER DIRECTIONAL PLAN, W/ COMBINATION SLIDDING / ROTATION.

REPORT DATE: 07/03/06 MD : 1,909 TVD : 1,829 DAYS : 2 MW : 9 VISC : 26

DAILY : DC : $35,550.00 CC : $0.00 TC : $35,550.00 CUM : DC: $247,326.00 CC : $0.00 TC : $247,326.00

DAILY DETAILS : DRILLING DIRECTIONAL 12.25" HOLE AS PLANNED, FROM 727' TO 1093'. RIG SERVICE. DRLG FROM 1093' TO 1909'. BUILD AND HOLD 27*

REPORT DATE: 07/04/06 MD : 2,765 TVD : 2,593 DAYS : 3 MW : 8.8 VISC : 26

DAILY : DC : $37,820.00 CC : $0.00 TC : $37,820.00 CUM : DC: $285,146.00 CC : $0.00 TC : $285,146.00

DAILY DETAILS : DRILLING 12.25" FROM 1909' TO 2195'. AS PER DIRECTIONAL PLAN. HOLDING 28* RIG SERVICE & SAFTEY CHECK. DRLG FRM 2195' TO 2765'. AS PER DIRECTIONAL PLAN, HOLDING 28*

REPORT DATE: 07/05/06 MD : 3,241 TVD : 3,024 DAYS : 4 MW : VISC :

DAILY : DC : $66,105.00 CC : $0.00 TC : $66,105.00 CUM : DC: $351,251.00 CC : $0.00 TC : $351,251.00

DAILY DETAILS : DRILLING 12.25" HOLE AS PER DIRECTIONAL PLAN FROM 2765' TO A DEPTH OF 2987'. SERVICE RIG & SAFTEY CHECK. DRLG FROM 2765' TO 3065'. AS PER PLAN.HOLDING 28* TOH FOR BHA INSPECTION. REPLACE BIT & MM. TIH W/ SAME. DRILLING 12.25" HOLE AS PER DIRECTIONAL PLAN. FROM 3065' TO A DEPTH OF 3241'.

REPORT DATE: 07/06/06 MD : 3,653 TVD : 3,378 DAYS : 5 MW : 8.7 VISC : 26

DAILY : DC : $39,760.00 CC : $0.00 TC : $39,760.00 CUM : DC: $391,011.00 CC : $0.00 TC : $391,011.00

DAILY DETAILS : DRILLING 12.25" HOLE FROM 3241' TO A DEPTH OF 3410' AS PER DIRECTIONAL PLAN. RIG SERVICE & SAFTEY CHECK DRLG FRM 3410' TO A DEPTH OF 3653'. SLIDDING ON A 3-1 RATIO TO DROP VERTICAL. (0 *)

REPORT DATE: 07/07/06 MD : 4,096 TVD : 3,830 DAYS : 6 MW : 8.6 VISC : 26

DAILY : DC : $36,585.00 CC : $0.00 TC : $36,585.00 CUM : DC: $427,596.00 CC : $0.00 TC : $427,596.00

DAILY DETAILS : DRILLING 12.25" HOLE FROM 3653' TO A DEPTH OF 3779'. AS PER DIRECTIONAL PLAN. RIG SERVICE & SAFTEY CHECK. DRLG FRM 3779' TO 4096'. DROP TO VERTICALL @ 2-3* / 100FT.

RECEIVED
JUL 1 3 2006
DIV. OF OIL, GAS & MINING

Copyright © 1993-2006 by Epoch Well Services Inc. All rights reserved.

Dominion

WELL CHRONOLOGY REPORT

WELL NAME : RBU 4-16E Event No: 1

DISTRICT : WESTERN FIELD : NATURAL BUTTES 630 LOCATION : 1303' FNL 1717' FWL SEC 16 T 10S R 19E

COUNTY & STATE : UINTAH UT CONTRACTOR :

WI % : 100.00 AFE # : 0601254 API # : 43-047-36169 PLAN DEPTH : 9,001 SPUD DATE : 05/24/06

DHC : $778,500 CWC : $658,000 AFE TOTAL : $1,436,500 FORMATION : WASATCH/MESAVERDE

EVENT DC: $759,667.00 EVENT CC: $0.00 EVENT TC: $759,667.00 WELL TOTL COST: $759,667

REPORT DATE: 07/08/06 MD : 4,096 TVD : 3,830 DAYS : 7 MW : 8.6 VISC : 26

DAILY : DC : $181,655.00 CC : $0.00 TC : $181,655.00 CUM : DC: $609,251.00 CC : $0.00 TC : $609,251.00

DAILY DETAILS : CIRCUALATE SWEEP & HOLE CLEAN. TOH W/ 6" DRILL STRING & LAY DOWN 12.25" DIRECTION EQUIPMENT. RUN 94 JT'S OF 9.625", J-55, 36# CSGN. SET @ 4070'/KB BREAK CIRCULATION. CEMENT W/ 475 SKS OF CBM LITE MIX @ 10.5 PPG & 4.14 YLD (350 BBL SLURRY) THEN 255 SKS TAIL G MIXED @ 15.6 PPG & 1.15 YLD (52 BBL SLURRY). DISPLACE W/ 309 BBLS FRESH WATER. GOOD RETURNS W/ 35 BBLS CEMENT TO SURFACE. PLUG DOWN @ 8:00 PM.7-08-06. NIPPLE UP BOP'S AND PRESSURE TEST.

REPORT DATE: 07/09/06 MD : 5,696 TVD : 5,430 DAYS : 8 MW : 8.6 VISC : 26

DAILY : DC : $35,900.00 CC : $0.00 TC : $35,900.00 CUM : DC: $645,151.00 CC : $0.00 TC : $645,151.00

DAILY DETAILS : PRESSURE TEST BOP & EQUIPMENT. PU & MU BIT # 3, & 7.785" BHA. RIG SERVICE. SLIP & CUT DRILL LINE. TIH W/ DRILL STRING & BHA. TAG CEMENT @ 4033'. DRILL CEMENT & SHOE FROM 4033' TO 4070'. DRILL 7.875" HOLE FROM 4070' TO A DEPTH OF 4172'. W/ 15K WOB & 40 RPMS. RUN WIRELINE SURVEY @ 4050' = 1.42* FIT/LOT TEST. DRLG FROM 4172' TO A DEPTH OF 4680'. W/ 15K WOB & 40/55 RPMS. WIRELINE SURVEY @ 4600' = 2.75* DRLG FROM 4680' TO A DEPTH OF 5692'. W/ 15/20 K WOB & 40/55 RPMS.

REPORT DATE: 07/10/06 MD : 7,694 TVD : 7,422 DAYS : 9 MW : 8.7 VISC : 26

DAILY : DC : $41,440.00 CC : $0.00 TC : $41,440.00 CUM : DC: $686,591.00 CC : $0.00 TC : $686,591.00

DAILY DETAILS : DRLG F/ 5696 TO 5758 SURVEY @ 5700 2 DEG 187AZ DRLG F/ 5758 TO 6314 RIG SERVICE DRLG F/ 6314 TO 6838 SURVEY @ 6750 2 DEG 187 AZ DRLG F/ 6838 TO 6979 REPAIR ROTARY CHAIN DRLG F/ 6979 TO 7694

REPORT DATE: 07/11/06 MD : 8,919 TVD : 8,730 DAYS : 10 MW : 8.7 VISC : 26

DAILY : DC : $34,186.00 CC : $0.00 TC : $34,186.00 CUM : DC: $720,777.00 CC : $0.00 TC : $720,777.00

DAILY DETAILS : DRLG F/ 7694 TO 8074 RIG SERVICE DRLG F/ 8074 TO 8600 FIX ROTARY CHAIN DRLG F/ 8600 TO 8919 REPLACE DRUM CLUTCH

REPORT DATE: 07/12/06 MD : 9,124 TVD : 8,850 DAYS : 11 MW : 9.2 VISC : 33

DAILY : DC : $38,890.00 CC : $0.00 TC : $38,890.00 CUM : DC: $759,667.00 CC : $0.00 TC : $759,667.00

DAILY DETAILS : DRUM CLUTCH TOOH F/BIT TIH WASH TO BTM NO FILL DRLG F/ 8919 TO 9124 CIRC BTM UP TOOH F/ LOGS WORK ON DRUM CHAIN

RECEIVED
JUL 13 2006
DIV. OF OIL, GAS & MINING

Copyright © 1993-2006 by Epoch Well Services Inc. All rights reserved.

FACSIMILE COVER PAGE

To :	**Utah Division of Oil, Gas & Mining**	**From :**	g
Sent :	7/20/2006 at 10:51:46 AM	**Pages :**	2 (including Cover)
Subject :	RBU 4-16E T10S R19E S-16 43-047-36169		

RECEIVED

JUL 20 2006

DIV. OF OIL, GAS & MINING

WELL CHRONOLOGY REPORT

WELL NAME : RBU 4-16E Event No: 1

DISTRICT : WESTERN FIELD : NATURAL BUTTES 630 LOCATION : 1303' FNL 1717' FWL SEC 16 T 10S R 19E

COUNTY & STATE : UINTAH UT CONTRACTOR :

WI % : 100.00 AFE # : 0601254 API # : 43-047-36169 PLAN DEPTH : 9,001 SPUD DATE : 05/24/06

DHC : $778,500 CWC : $658,000 AFE TOTAL : $1,436,500 FORMATION : WASATCH/MESAVERDE

EVENT DC: $963,157.00 EVENT CC: $16,843.00 EVENT TC: $980,000.00 WELL TOTL COST: $980,000

REPORT DATE: 07/12/06 MD : 9,124 TVD : 8,850 DAYS : 11 MW : 9.2 VISC : 33

DAILY : DC : $38,890.00 CC : $0.00 TC : $38,890.00 CUM : DC: $759,667.00 CC : $0.00 TC : $759,667.00

DAILY DETAILS : DRUM CLUTCH TOOH F/BIT TIH WASH TO BTM NO FILL DRLG F/ 8919 TO 9124 CIRC BTM UP TOOH F/ LOGS WORK ON DRUM CHAIN

REPORT DATE: 07/13/06 MD : 9,124 TVD : 8,850 DAYS : 12 MW : 9.4 VISC : 35

DAILY : DC : $35,195.00 CC : $0.00 TC : $35,195.00 CUM : DC: $794,862.00 CC : $0.00 TC : $794,862.00

DAILY DETAILS : REPAIR DRUM CHAIN TOOH LOGGING TO 9108 TIH CUT DRLG LINE TIH CIRC LD DP

REPORT DATE: 07/14/06 MD : 9,124 TVD : 8,850 DAYS : 13 MW : 9.4 VISC : 35

DAILY : DC : $168,295.00 CC : $0.00 TC : $168,295.00 CUM : DC: $963,157.00 CC : $0.00 TC : $963,157.00

DAILY DETAILS : LD DP AND BHA RU CSG CREW RUN 210 JTS AND 2 MKR TO 9088'KB FLT COLLAR @ 9075'KB CEMENT W/ 630 SKS OF TAIL AND 64 SKS OF LEAD ND BOPE AND CLEAN PITS RIG RELEASED @ 2230 07/13/2006 RIGGING DOWN

REPORT DATE: 07/19/06 MD : 9,124 TVD : 8,850 DAYS : 0 MW : VISC :

DAILY : DC : $0.00 CC : $16,843.00 TC : $16,843.00 CUM : DC: $963,157.00 CC : $16,843.00 TC : $980,000.00

DAILY DETAILS : Install frac valve. Pressure test csgn to 5,000 psi. Rig up Schlumberger and run CBL from 9039' to 3700' est cement top. Perforate 1st stage @ 8816-8836' & 8839-8860' w/ 2 SPF & 180* . Total of 41' & 84 holes. Wait on frac date.

RECEIVED
JUL 20 2006
DIV. OF OIL, GAS & MINING

Copyright © 1993-2006 by Epoch Well Services Inc. All rights reserved.

FACSIMILE COVER PAGE

To :	**Utah Division of Oil, Gas & Mining**	**From :**	g
Sent :	7/27/2006 at 9:01:16 AM	**Pages :**	6 (including Cover)
Subject :	RBU 4-16E T10S R19E S-16 43-047-36169		

JUL 2 7 2006

WELL CHRONOLOGY REPORT

WELL NAME : RBU 4-16E Event No: 1

DISTRICT : WESTERN FIELD : NATURAL BUTTES 630 LOCATION : 1303' FNL 1717' FWL SEC 16 T 10S R 19E

COUNTY & STATE : UINTAH UT CONTRACTOR :

WI % : 100.00 AFE # : 0601254 API # : 43-047-36169 PLAN DEPTH : 9,001 SPUD DATE : 05/24/06

DHC : $778,500 CWC : $658,000 AFE TOTAL : $1,436,500 FORMATION : WASATCH/MESAVERDE

EVENT DC: $963,157.00 EVENT CC: $334,744.00 EVENT TC: $1,297,901.00 WELL TOTL COST: $1,297,901

REPORT DATE: 07/19/06 MD : 9,124 TVD : 8,850 DAYS : 0 MW : VISC :

DAILY : DC : $0.00 CC : $16,843.00 TC : $16,843.00 CUM : DC: $963,157.00 CC : $16,843.00 TC : $980,000.00

DAILY DETAILS : Install frac valve. Pressure test csgn to 5,000 psi. Rig up Schlumberger and run CBL from 9039' to 3700' est cement top. Perforate 1st stage @ 8816-8836' & 8839-8860' w/ 2 SPF & 180* . Total of 41' & 84 holes. Wait on frac date.

JUL 2 7 2006

Copyright © 1993-2006 by Epoch Well Services Inc. All rights reserved.

WELL CHRONOLOGY REPORT

WELL NAME : RBU 4-16E Event No: 1

DISTRICT : WESTERN FIELD : NATURAL BUTTES 630 LOCATION : 1303' FNL 1717' FWL SEC 16 T 10S R 19E

COUNTY & STATE : UINTAH UT CONTRACTOR :

WI % : 100.00 AFE # : 0601254 API # : 43-047-36169 PLAN DEPTH : 9,001 SPUD DATE : 05/24/06

DHC : $778,500 CWC : $658,000 AFE TOTAL : $1,436,500 FORMATION : WASATCH/MESAVERDE

EVENT DC: $963,157.00 EVENT CC: $334,744.00 EVENT TC: $1,297,901.00 WELL TOTL COST: $1,297,901

REPORT DATE: 07/21/06 MD : 9,124 TVD : 8,850 DAYS : 0 MW : VISC :

DAILY : DC : $0.00 CC : $317,901.00 TC : $317,901.00 CUM : DC: $963,157.00 CC : $334,744.00 TC : $1,297,901.00

DAILY DETAILS :

JUL 2 7 2006

Copyright © 1993-2006 by Epoch Well Services Inc. All rights reserved.

WELL CHRONOLOGY REPORT

WELL NAME : RBU 4-16E			Event No: 1
DISTRICT : WESTERN		FIELD : NATURAL BUTTES 630	LOCATION : 1303' FNL 1717' FWL SEC 16 T 10S R 19E
COUNTY & STATE : UINTAH		UT	CONTRACTOR :
WI % : 100.00	AFE # : 0601254	API # : 43-047-36169	PLAN DEPTH : 9,001 SPUD DATE : 05/24/06
DHC : $778,500	CWC : $658,000	AFE TOTAL : $1,436,500	FORMATION : WASATCH/MESAVERDE
EVENT DC: $963,157.00	EVENT CC: $334,744.00	EVENT TC: $1,297,901.00	WELL TOTL COST: $1,297,901

07-20-06 RBU 4-16E. 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, 8816-36', 8839-60', 2 spf, 84 holes, with 66,752# 20/40 PR6000 sand. Pumped frac at an average rate of 38 bpm, using 345.9 mscf of N2 and 728 bbls of fluid. Average surface treating pressure was 4510 psi with sand concentrations stair stepping from 1.0 ppg to 4.0 ppg.
4193 gallons Pad YF120ST/N2 gel.
2822 gallons YF120ST/N2 pumped @ 1.0 ppg sand concentration.
4222 gallons YF120ST/N2 pumped @ 2.0 ppg sand concentration.

4920 gallons YF120ST/N2 pumped @ 3.0 ppg sand concentration.
5807 gallons YF120ST/N2 pumped @ 4.0 ppg sand concentration.
8607 gallons WF110 slick water flush.
Total frac fluid pumped 728 bbls. N2 was cut during flush. Ru wire line, RIH and set 8K frac plug @ 8740'. RIH and perforate interval #2 @ 8494-8504', 8616-20', 8686-98', 2 spf, 55 holes. Fraced interval #2 w/ 73,172# 20/40 PR6000 sand. Pumped frac at an avg rate of 37.6 bpm, using 378.3 mscf of N2 and 808 bbls of fluid. Avg surface treating pressure was 4652 psi w/ sand concentrations stair stepping from 1.0 ppg to 4.0 ppg.
4891 gallons Pad YF120ST/N2 gel.
3525 gallons YF120ST/N2 pumped @ 1.0 ppg sand concentration.
4922 gallons YF120ST/N2 pumped @ 2.0 ppg sand concentration.
5621 gallons YF120ST/N2 pumped @ 3.0 ppg sand concentration.
5931 gallons YF120ST/N2 pumped @ 4.0 ppg sand concentration.
8296 gallons WF110 slick water flush.
Total frac fluid pumped 808 bbls. N2 was cut during flush. RIH and set 8K frac plug @ 8430', perforate interval # 3 @ 8078-84', 3 spf, 8152-61', 8246-53', 2 spf, 53 holes. Fraced interval #3 w/ 72,572# 20/40 PR6000 sand. Pumped frac at an avg rate of 37.8 bpm, using 364 mscf of N2 and 785 bbls of fluid. Avg surface treating pressure was 4457 psi w/ sand concentrations stair stepping from 1.0 ppg to 4.0 ppg.
4189 gallons Pad YF120ST/N2 gel.
3522 gallons YF120ST/N2 pumped @ 1.0 ppg sand concentration.
4222 gallons YF120ST/N2 pumped @ 2.0 ppg sand concentration.
5618 gallons YF120ST/N2 pumped @ 3.0 ppg sand concentration.
6115 gallons YF120ST/N2 pumped @ 4.0 ppg sand concentration.
7732 gallons WF110 slick water flush.
Total frac fluid pumped 785 bbls. N2 was cut during flush. RIH and set 5K frac plug @ 7830', perforate interval # 4 @ 7528-41', 7598-7613', 2 spf 58 holes. Fraced interval #4 w/ 89,182# 20/40 Ottawa sand. Pumped frac at an avg rate of 32.8 bpm, using 274 mscf of N2 and 657 bbls of fluid. Avg surface treating pressure was 3295 psi w/ sand concentrations stair stepping from 2.0 ppg to 6.0 ppg.
3491 gallons Pad YF120ST/N2 gel.
2140 gallons pumped YF120ST/N2 @ 2.0 ppg sand concentration.
2820 gallons pumped YF120ST/N2 @ 3.0 ppg sand concentration.
2816 gallons pumped YF120ST/N2 @ 4.0 ppg sand concentration.
3515 gallons pumped YF120ST/N2 @ 5.0 ppg sand concentration.
3960 gallons pumped YF120ST/N2 @ 6.0 ppg sand concentration.
7292 gallons WF110 slick water flush.
Total frac fluid pumped 657 bbls. N2 was cut during flush. RIH and set 5K frac plug @ 7310', perforate interval # 5 @ 6757-73', 3 spf, 7036-40', 2 spf, 58 holes. Fraced interval #5 w/ 44,496# 20/40 Ottawa sand. Pumped frac at an avg rate of 32.7 bpm, using 166.5 mscf of N2 and 495 bbls of fluid. Avg surface treating pressure was 1910 psi w/ sand concentrations stair stepping from 2.0 ppg to 5.0 ppg.
2795 gallons Pad YF115ST/N2 gel.
2142 gallons YF115ST/N2 pumped @ 2.0 ppg sand concentration.
2119 gallons YF115ST/N2 pumped @ 3.0 ppg sand concentration.

JUL 2 7 2006

2117 gallons YF115ST/N2 pumped @ 4.0 ppg sand concentration.
2932 gallons YF115ST/N2 pumped @ 5.0 ppg sand concentration.
6521 gallons WF110 slick water flush.
Total frac fluid pumped 495 bbls. N2 was cut during flush. RIH and set 5K frac plug @ 6620', perforate interval # 6 @

Copyright © 1993-2006 by Epoch Well Services Inc. All rights reserved.

WELL CHRONOLOGY REPORT

WELL NAME : RBU 4-16E Event No: 1

DISTRICT : WESTERN FIELD : NATURAL BUTTES 630 LOCATION : 1303' FNL 1717' FWL SEC 16 T 10S R 19E

COUNTY & STATE : UINTAH UT CONTRACTOR :

WI % : 100.00 AFE # : 0601254 API # : 43-047-36169 PLAN DEPTH : 9,001 SPUD DATE : 05/24/06

DHC : $778,500 CWC : $658,000 AFE TOTAL : $1,436,500 FORMATION : WASATCH/MESAVERDE

EVENT DC: $963,157.00 EVENT CC: $334,744.00 EVENT TC: $1,297,901.00 WELL TOTL COST: $1,297,901

6286-95', 2 spf, 6303-16', 3 spf, 59 holes. Fraced interval #6 w/ 61,269# 20/40 Ottawa sand. Pumped frac at an avg rate of 32.2 bpm, using 185.4 mscf of N2 and 505 bbls of fluid. Avg surface treating pressure was 2618 psi w/ sand concentrations stair stepping from 2.0 ppg to 6.0 ppg.
2784 gallons Pad YF115ST/N2 gel.
2140 gallons YF115ST/N2 pumped @ 2.0 ppg sand concentration.
2120 gallons YF115ST/N2 pumped @ 3.0 ppg sand concentration.

2120 gallons YF115ST/N2 pumped @ 4.0 ppg sand concentration.
2115 gallons YF115ST/N2 pumped @ 5.0 ppg sand concentration.

2695 gallons YF115ST/N2 pumped @ 6.0 ppg sand concentration.

6102 gallons WF110 slick water flush.
Total frac fluid pumped 505 bbls. N2 was cut during flush. RIH and set 5K frac plug @ 5970', perforate interval # 7 @ 5671-75', 5710-18', 4 spf, 50 holes. Fraced interval #7 w/ 67,631# 20/40 Ottawa sand. Pumped frac at an avg rate of 32.9 bpm, using 223.3 mscf of N2 and 474 bbls of fluid. Avg surface treating pressure was 2661 psi w/ sand concentrations stair stepping from 2.0 ppg to 6.0 ppg.
2791 gallons Pad YF115ST/N2 gel.
2142 gallons YF115ST/N2 pumped @ 2.0 ppg sand concentration.
2118 gallons YF115ST/N2 pumped @ 3.0 ppg sand concentration.

2116 gallons YF115ST/N2 pumped @ 4.0 ppg sand concentration.
2116 gallons YF115ST/N2 pumped @ 5.0 ppg sand concentration.

3384 gallons YF115ST/N2 pumped @ 6.0 ppg sand concentration.

4079 gallons WF110/N2 slick water flush.
Total frac fluid pumped 474 bbls. N2 was not cut during flush. Opened well to the pit on a 12/64 choke. Turned well over to production.

REPORT DATE: 07/22/06 MD : 9,124 TVD : 8,850 DAYS : MW : VISC :

DAILY : DC : $0.00 CC : $0.00 TC : $0.00 CUM : DC: $963,157.00 CC : $334,744.00 TC : $1,297,901.00

DAILY DETAILS : WELL FRACT 7-20-06, W/ 4452 BBLS, ISIP 2390, TURNED TO PIT @ 5:45 PM, 12/64 CHOKE
7-21-06 WELL FLOWING UP CSG TO PIT ON 12/64 CHOKE, FCP 1250, RECOVERED 990 BBLS FLUID, CHANGED TO 18/64 CHOKE, RETURNED FLOW TO PIT @ 5:00 PM, WELL SI 11 HRS FOR EQUIP RU

REPORT DATE: 07/23/06 MD : 9,124 TVD : 8,850 DAYS : MW : VISC :

DAILY : DC : $0.00 CC : $0.00 TC : $0.00 CUM : DC: $963,157.00 CC : $334,744.00 TC : $1,297,901.00

DAILY DETAILS : WELL FLOWING UP CSG TO PIT ON 18/64 CHOKE, FCP 1350, RECOVERED 750 BBLS FLUID, STILL UNLOADING HEAVY FLUID, LEFT FLOWING TO PIT, PUT WELL ON PRODUCTION @ 8:30 PM

REPORT DATE: 07/24/06 MD : 9,124 TVD : 8,850 DAYS : MW : VISC :

DAILY : DC : $0.00 CC : $0.00 TC : $0.00 CUM : DC: $963,157.00 CC : $334,744.00 TC : $1,297,901.00

DAILY DETAILS : WELL MADE 96 MCF, FCP 1502, SLP 242, 0 BBLS OIL, 37 BBLS WTR, 19/64 CHOKE, 6.5 HRS FLOWTIME

REPORT DATE: 07/25/06 MD : 9,124 TVD : 8,850 DAYS : MW : VISC :

DAILY : DC : $0.00 CC : $0.00 TC : $0.00 CUM : DC: $963,157.00 CC : $334,744.00 TC : $1,297,901.00

DAILY DETAILS : WELL FLOWING UP CSG TO SALES MADE 1041 MCF, FCP 1366, SLP 219, 0 BBLS OIL, 428 BBLS WTR, 19/64 CHOKE

Copyright © 1993-2006 by Epoch Well Services Inc. All rights reserved.

JUL 2 7 2006

WELL CHRONOLOGY REPORT

WELL NAME : RBU 4-16E Event No: 1

DISTRICT : WESTERN FIELD : NATURAL BUTTES 630 LOCATION : 1303' FNL 1717' FWL SEC 16 T 10S R 19E

COUNTY & STATE : UINTAH UT CONTRACTOR :

WI % : 100.00 AFE # : 0601254 API # : 43-047-36169 PLAN DEPTH : 9,001 SPUD DATE : 05/24/06

DHC : $778,500 CWC : $658,000 AFE TOTAL : $1,436,500 FORMATION : WASATCH/MESAVERDE

EVENT DC: $963,157.00 EVENT CC: $334,744.00 EVENT TC: $1,297,901.00 WELL TOTL COST: $1,297,901

REPORT DATE: 07/26/06 MD : 9,124 TVD : 8,850 DAYS : MW : VISC :

DAILY : DC : $0.00 CC : $0.00 TC : $0.00 CUM : DC: $963,157.00 CC : $334,744.00 TC : $1,297,901.00

DAILY DETAILS : WELL FLOWING UP CSG TO SALES MADE 1448 MCF, FCP 1226, SLP 294, 3 BBLS OIL, 199 BBLS WTR, 19/64 CHOKE

JUL 27 2006

Copyright © 1993-2006 by Epoch Well Services Inc. All rights reserved.

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-13214

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: River Bend Unit

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: RBU 4-16E

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

9. API NUMBER: 43-047-36169

3. ADDRESS OF OPERATOR: 14000 Quail Springs CITY Oklahoma City STATE OK ZIP 73134

PHONE NUMBER: (405) 749-1300

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1303' FNL & 1717' FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 16 10S 19E

STATE: UTAH

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

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

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

7/7/06 ran 94 jts. 9 5/8", 36#, J-55 csg., set @ 4070'. Cemented lead w/475 sks CBM Lite, 10.5 ppg, 4.14 yld., tailed w/255 sks Class "G", 15.6 ppg, 1.15 yld. Good returns, 35 bbls cmt to surface. 7/13/06 ran 210 jts. 5 1/2", 17#, csg., set @ 9088'. Cemented lead w/64 sks. Hi-Fill "V", 3.12 yld, 11.6 ppg, tailed w/630 sks. HLC, 1.69 yld, 13.0 ppg., bumped plug, floats held, released rig. 7/19/06 perf and frac well. First sales 7/22/06.

NAME (PLEASE PRINT) Carla Christian TITLE Sr. Regulatory Specialist

SIGNATURE Carla Christian DATE 8/2/2006

(This space for State use only)

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

(5/2000) (See Instructions on Reverse Side)

DENTIAL

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-13214

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: River Bend Unit

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: RBU 4-16E

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

9. API NUMBER: 43-047-36169

3. ADDRESS OF OPERATOR: 14000 Quail Springs CITY Oklahoma City STATE OK ZIP 73134

PHONE NUMBER: (405) 749-1300

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1303' FNL & 1717' FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 16 10S 19E

STATE: UTAH

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

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

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

Dominion request permission to change the kick off point and the setting of the intermediate casing. The intermediate csg. will now be set at 4,100'. Attached is a new directional and drilling plan reflecting the changes.

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

NAME (PLEASE PRINT) Carla Christian TITLE Sr. Regulatory Specialist

SIGNATURE Carla Christian DATE 6/20/2006

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 6/30/06
BY: [signature]

RECEIVED
JUN 27 2006
DIV. OF OIL, GAS & MINING

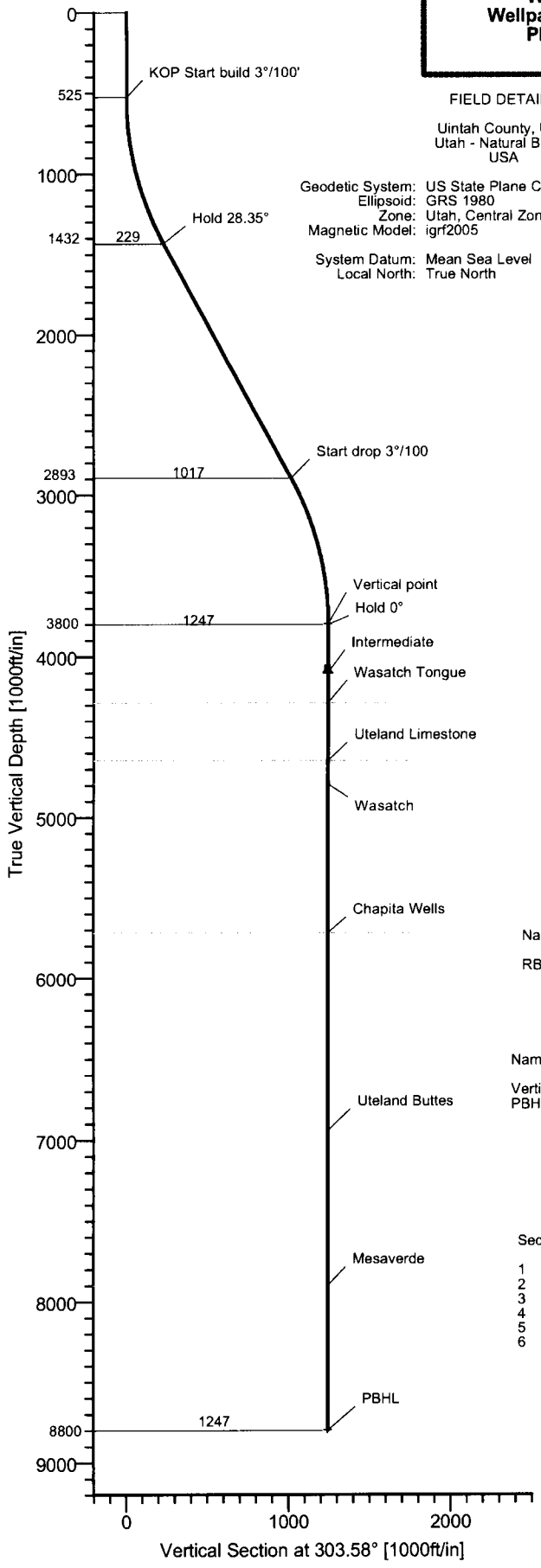
(5/2000) (See Instructions on Reverse Side)

Dominion Exploration & Production

Field: Uintah County, Utah
Site: RBU # 4-16E
Well: RBU # 4-16E
Wellpath: Original Hole
Plan: Plan #1

Azimuths to True North
Magnetic North: 11.82°

Magnetic Field
Strength: 52814nT
Dip Angle: 65.90°
Date: 6/15/2006
Model: igrf2005



FIELD DETAILS

Uintah County, Utah
Utah - Natural Buttes
USA

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: igrf2005

System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

RBU # 4-16E
Sec. 16, 10S, 19E

Site Centre Latitude: 39°57'03.290N
Longitude: 109°47'28.670W

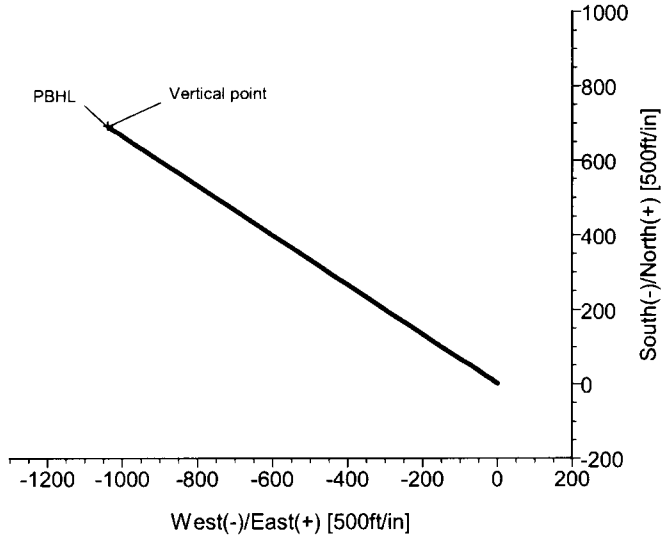
Ground Level: 5122.00
Positional Uncertainty: 0.00
Convergence: 1.09

WELLPATH DETAILS

Original Hole

Rig: Patterson 12
Ref. Datum: Est. RKB 5140.00ft

V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
303.58°	0.00	0.00	0.00



WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
RBU # 4-16E	0.00	0.00	7155433.70	2119402.20	39°57'03.290N	109°47'28.670W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Vertical point	3800.00	689.53	-1038.43	Point
PBHL	8800.00	689.53	-1038.43	Point

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	4285.00	4560.30	Wasatch Tongue
2	4645.00	4920.30	Uteland Limestone
3	4785.00	5060.30	Wasatch
4	5720.00	5995.30	Chapita Wells
5	6940.00	7215.30	Uteland Buttes
6	7900.00	8175.30	Mesaverde

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	303.58	0.00	0.00	0.00	0.00	0.00	0.00	
2	525.00	0.00	303.58	525.00	0.00	0.00	0.00	0.00	0.00	
3	1469.97	28.35	303.58	1431.89	126.70	-190.81	3.00	303.58	229.05	
4	3130.33	28.35	303.58	2893.11	562.83	-847.62	0.00	0.00	1017.46	
5	4075.30	0.00	303.58	3800.00	689.53	-1038.43	3.00	180.00	1246.51	
6	9075.30	0.00	303.58	8800.00	689.53	-1038.43	0.00	0.00	1246.51	PBHL

Plan: Plan #1 (RBU # 4-16E/Original Hole)
Created By: Alexis Gonzalez Date: 6/15/2006
Checked: _____ Date: _____
Reviewed: _____ Date: _____
Approved: _____ Date: _____

Ryan The leader in UNDERGROUND INTELLIGENCE

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

Ryan Energy Technologied
Planning Report

Company:	Dominion Exploration & Product	**Date:** 6/15/2006	**Time:** 14:34:33	**Page:**	1
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: RBU # 4-16E, True North		
Site:	RBU # 4-16E	**Vertical (TVD) Reference:**	Est. RKB 5140.0		
Well:	RBU # 4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)		
Wellpath:	Original Hole	**Plan:**	Plan #1		

Field: Uintah County, Utah
Utah - Natural Buttes
USA

Map System:	US State Plane Coordinate System 1983	**Map Zone:**	Utah, Central Zone
Geo Datum:	GRS 1980	**Coordinate System:**	Well Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	igrf2005

Site: RBU # 4-16E

Sec. 16, 10S, 19E

Site Position:		**Northing:**	7155433.70 ft	**Latitude:**	39 57 3.290 N
From:	Geographic	**Easting:**	2119402.20 ft	**Longitude:**	109 47 28.670 W
Position Uncertainty:	0.00 ft			**North Reference:**	True
Ground Level:	5122.00 ft			**Grid Convergence:**	1.09 deg

Well: RBU # 4-16E **Slot Name:**

Well Position:	+N/-S	0.00 ft	**Northing:**	7155433.70 ft	**Latitude:**	39 57 3.290 N
	+E/-W	0.00 ft	**Easting :**	2119402.20 ft	**Longitude:**	109 47 28.670 W
Position Uncertainty:		0.00 ft				

Wellpath: Original Hole

				Drilled From:	Surface
				Tie-on Depth:	0.00 ft
Current Datum:	Est. RKB	**Height**	5140.00 ft	**Above System Datum:**	Mean Sea Level
Magnetic Data:	6/15/2006			**Declination:**	11.82 deg
Field Strength:	52814 nT			**Mag Dip Angle:**	65.90 deg

Vertical Section:	**Depth From (TVD)** ft	**+N/-S** ft	**+E/-W** ft	**Direction** deg
	0.00	0.00	0.00	303.58

Plan:	Plan #1	**Date Composed:**	6/15/2006
		Version:	1
Principal:	Yes	**Tied-to:**	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	303.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
525.00	0.00	303.58	525.00	0.00	0.00	0.00	0.00	0.00	0.00	
1469.97	28.35	303.58	1431.89	126.70	-190.81	3.00	3.00	0.00	303.58	
3130.33	28.35	303.58	2893.11	562.83	-847.62	0.00	0.00	0.00	0.00	
4075.30	0.00	303.58	3800.00	689.53	-1038.43	3.00	-3.00	0.00	180.00	
9075.30	0.00	303.58	8800.00	689.53	-1038.43	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
525.00	0.00	303.58	525.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP Start build 3°/100'
600.00	2.25	303.58	599.98	0.81	-1.23	1.47	3.00	3.00	0.00	
700.00	5.25	303.58	699.76	4.43	-6.67	8.01	3.00	3.00	0.00	
800.00	8.25	303.58	799.05	10.93	-16.47	19.76	3.00	3.00	0.00	
900.00	11.25	303.58	897.60	20.30	-30.57	36.70	3.00	3.00	0.00	
1000.00	14.25	303.58	995.12	32.51	-48.96	58.76	3.00	3.00	0.00	
1100.00	17.25	303.58	1091.35	47.52	-71.57	85.91	3.00	3.00	0.00	
1200.00	20.25	303.58	1186.03	65.30	-98.34	118.05	3.00	3.00	0.00	
1300.00	23.25	303.58	1278.91	85.79	-129.21	155.10	3.00	3.00	0.00	
1400.00	26.25	303.58	1369.71	108.95	-164.08	196.96	3.00	3.00	0.00	
1469.97	28.35	303.58	1431.89	126.70	-190.81	229.05	3.00	3.00	0.00	Hold 28.35°
1500.00	28.35	303.58	1458.31	134.59	-202.69	243.31	0.00	0.00	0.00	
1600.00	28.35	303.58	1546.32	160.86	-242.25	290.79	0.00	0.00	0.00	
1700.00	28.35	303.58	1634.32	187.12	-281.81	338.28	0.00	0.00	0.00	
1800.00	28.35	303.58	1722.33	213.39	-321.37	385.76	0.00	0.00	0.00	

Ryan Energy Technologied
Planning Report

Company:	Dominion Exploration & Product	**Date:** 6/15/2006	**Time:** 14:34:33	**Page:**	2
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: RBU # 4-16E, True North		
Site:	RBU # 4-16E	**Vertical (TVD) Reference:**	Est. RKB 5140.0		
Well:	RBU # 4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)		
Wellpath:	Original Hole	**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	28.35	303.58	1810.34	239.66	-360.92	433.25	0.00	0.00	0.00	
2000.00	28.35	303.58	1898.35	265.92	-400.48	480.73	0.00	0.00	0.00	
2100.00	28.35	303.58	1986.35	292.19	-440.04	528.21	0.00	0.00	0.00	
2200.00	28.35	303.58	2074.36	318.46	-479.60	575.70	0.00	0.00	0.00	
2300.00	28.35	303.58	2162.37	344.73	-519.16	623.18	0.00	0.00	0.00	
2400.00	28.35	303.58	2250.37	370.99	-558.71	670.67	0.00	0.00	0.00	
2500.00	28.35	303.58	2338.38	397.26	-598.27	718.15	0.00	0.00	0.00	
2600.00	28.35	303.58	2426.39	423.53	-637.83	765.64	0.00	0.00	0.00	
2700.00	28.35	303.58	2514.39	449.79	-677.39	813.12	0.00	0.00	0.00	
2800.00	28.35	303.58	2602.40	476.06	-716.94	860.61	0.00	0.00	0.00	
2900.00	28.35	303.58	2690.41	502.33	-756.50	908.09	0.00	0.00	0.00	
3000.00	28.35	303.58	2778.42	528.59	-796.06	955.57	0.00	0.00	0.00	
3100.00	28.35	303.58	2866.42	554.86	-835.62	1003.06	0.00	0.00	0.00	
3130.20	28.35	303.58	2893.00	562.79	-847.56	1017.40	0.00	0.00	0.00	Start drop 3°/100
3130.33	28.35	303.58	2893.11	562.83	-847.62	1017.46	0.00	0.00	0.00	
3200.00	26.26	303.58	2955.02	580.50	-874.24	1049.42	3.00	-3.00	0.00	
3300.00	23.26	303.58	3045.82	603.67	-909.12	1091.29	3.00	-3.00	0.00	
3400.00	20.26	303.58	3138.68	624.17	-940.00	1128.36	3.00	-3.00	0.00	
3500.00	17.26	303.58	3233.36	641.96	-966.79	1160.52	3.00	-3.00	0.00	
3600.00	14.26	303.58	3329.59	656.98	-989.41	1187.67	3.00	-3.00	0.00	
3700.00	11.26	303.58	3427.11	669.20	-1007.81	1209.75	3.00	-3.00	0.00	
3800.00	8.26	303.58	3525.65	678.57	-1021.93	1226.70	3.00	-3.00	0.00	
3900.00	5.26	303.58	3624.94	685.08	-1031.73	1238.47	3.00	-3.00	0.00	
4000.00	2.26	303.58	3724.72	688.71	-1037.19	1245.03	3.00	-3.00	0.00	
4075.30	0.00	303.58	3800.00	689.53	-1038.43	1246.51	3.00	-3.00	0.00	Vertical point
4100.00	0.00	303.58	3824.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
4200.00	0.00	303.58	3924.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
4300.00	0.00	303.58	4024.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
4400.00	0.00	303.58	4124.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
4500.00	0.00	303.58	4224.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
4560.30	0.00	303.58	4285.00	689.53	-1038.43	1246.51	0.00	0.00	0.00	Wasatch Tongue
4600.00	0.00	303.58	4324.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
4700.00	0.00	303.58	4424.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
4800.00	0.00	303.58	4524.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
4900.00	0.00	303.58	4624.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
4920.30	0.00	303.58	4645.00	689.53	-1038.43	1246.51	0.00	0.00	0.00	Uteland Limestone
5000.00	0.00	303.58	4724.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
5060.30	0.00	303.58	4785.00	689.53	-1038.43	1246.51	0.00	0.00	0.00	Wasatch
5100.00	0.00	303.58	4824.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
5200.00	0.00	303.58	4924.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
5300.00	0.00	303.58	5024.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
5400.00	0.00	303.58	5124.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
5500.00	0.00	303.58	5224.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
5600.00	0.00	303.58	5324.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
5700.00	0.00	303.58	5424.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
5800.00	0.00	303.58	5524.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
5900.00	0.00	303.58	5624.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
5995.30	0.00	303.58	5720.00	689.53	-1038.43	1246.51	0.00	0.00	0.00	Chapita Wells
6000.00	0.00	303.58	5724.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
6100.00	0.00	303.58	5824.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
6200.00	0.00	303.58	5924.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
6300.00	0.00	303.58	6024.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
6400.00	0.00	303.58	6124.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
6500.00	0.00	303.58	6224.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	

Ryan Energy Technologied
Planning Report

Company:	Dominion Exploration & Product	**Date:** 6/15/2006	**Time:** 14:34:33	**Page:**	3
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: RBU # 4-16E, True North		
Site:	RBU # 4-16E	**Vertical (TVD) Reference:**	Est. RKB 5140.0		
Well:	RBU # 4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)		
Wellpath:	Original Hole	**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	303.58	6324.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
6700.00	0.00	303.58	6424.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
6800.00	0.00	303.58	6524.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
6900.00	0.00	303.58	6624.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
7000.00	0.00	303.58	6724.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
7100.00	0.00	303.58	6824.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
7200.00	0.00	303.58	6924.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
7215.30	0.00	303.58	6940.00	689.53	-1038.43	1246.51	0.00	0.00	0.00	Uteland Buttes
7300.00	0.00	303.58	7024.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
7400.00	0.00	303.58	7124.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
7500.00	0.00	303.58	7224.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
7600.00	0.00	303.58	7324.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
7700.00	0.00	303.58	7424.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
7800.00	0.00	303.58	7524.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
7900.00	0.00	303.58	7624.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
8000.00	0.00	303.58	7724.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
8100.00	0.00	303.58	7824.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
8175.30	0.00	303.58	7900.00	689.53	-1038.43	1246.51	0.00	0.00	0.00	Mesaverde
8200.00	0.00	303.58	7924.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
8300.00	0.00	303.58	8024.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
8400.00	0.00	303.58	8124.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
8500.00	0.00	303.58	8224.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
8600.00	0.00	303.58	8324.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
8700.00	0.00	303.58	8424.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
8800.00	0.00	303.58	8524.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
8900.00	0.00	303.58	8624.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
9000.00	0.00	303.58	8724.70	689.53	-1038.43	1246.51	0.00	0.00	0.00	
9075.30	0.00	303.58	8800.00	689.53	-1038.43	1246.51	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			3800.00	689.53	-1038.43	7156103.27	2118350.78	39 57 10.105 N	109 47 42.006 W
PBHL -Plan hit target			8800.00	689.53	-1038.43	7156103.27	2118350.78	39 57 10.105 N	109 47 42.006 W

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4560.30	4285.00	Wasatch Tongue		0.00	0.00
4920.30	4645.00	Uteland Limestone		0.00	0.00
5060.30	4785.00	Wasatch		0.00	0.00
5995.30	5720.00	Chapita Wells		0.00	0.00
7215.30	6940.00	Uteland Buttes		0.00	0.00
8175.30	7900.00	Mesaverde		0.00	0.00

Annotation

MD ft	TVD ft	
525.00	525.00	KOP Start build 3°/100'
1469.97	1431.89	Hold 28.35°
3130.20	2893.00	Start drop 3°/100

Company:	Dominion Exploration & Product	**Date:** 6/15/2006	**Time:** 14:34:33	**Page:**	4
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: RBU # 4-16E, True North		
Site:	RBU # 4-16E	**Vertical (TVD) Reference:**	Est. RKB 5140.0		
Well:	RBU # 4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)		
Wellpath:	Original Hole	**Plan:**	Plan #1		

Annotation

MD ft	TVD ft	
4075.30	3800.00	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 4-16E SHL: 1303' FNL & 1717' FWL Section 16-10S-19E BHL: 600' FNL & 700' FWL Section 16-10S-19E Uintah County, UT

1. GEOLOGIC SURFACE FORMATION — Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

Formation	Depth
Wasatach Tongue	4,285'
Uteland Limestone	4,645'
Wasatch	4,785'
Chapita Wells	5,720'
Uteland Buttes	6,940'
Mesaverde	7,900'

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

Formation	Depth	Type
Wasatch Tongue	4,285'	Oil
Uteland Limestone	4,645'	Oil
Wasatch	4,785'	Gas
Chapita Wells	5,720'	Gas
Uteland Buttes	6,940'	Gas
Mesaverde	7,900'	Gas

4. PROPOSED CASING PROGRAM

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

Type	Size	Weight	Grade	Conn.	Top	Bottom	Hole
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-½"
Intermediate	9-5/8"	36.0 ppf	J-55	LTC	0'	4,100'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,800'	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.

Depths	Mud Weight (ppg)	Mud System
0' – 500'	8.4	Air foam mist, no pressure control
500' – 4,100'	8.6	Fresh water, rotating head and diverter
4,100' – 8,800'	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

DRILLING PLAN

APPROVAL OF OPERATIONS

12. CEMENT SYSTEMS

a. Surface Cement:
Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% $CaCl_2$ 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 4,100'±, 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.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume	Excess
Lead	449	0'–3,300'	11.0 ppg	3.82 CFS	658 CF	1,867 CF	75%
Tail	391	3,300'–4,100'	15.6 ppg	1.20 CFS	268 CF	469 CF	75%

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

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

c. Production Casing Cement:
- Drill 7-7/8" hole to 8,800'±, 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 H20 spacer.
- Displace with 3% KCL.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume	Excess
Lead	90	3,985'–4,785'	11.5 ppg	3.12 CFS	139 CF	277 CF	100%
Tail	800	4,785'–8,800'	13.0 ppg	1.75 CFS	696 CF	1391 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

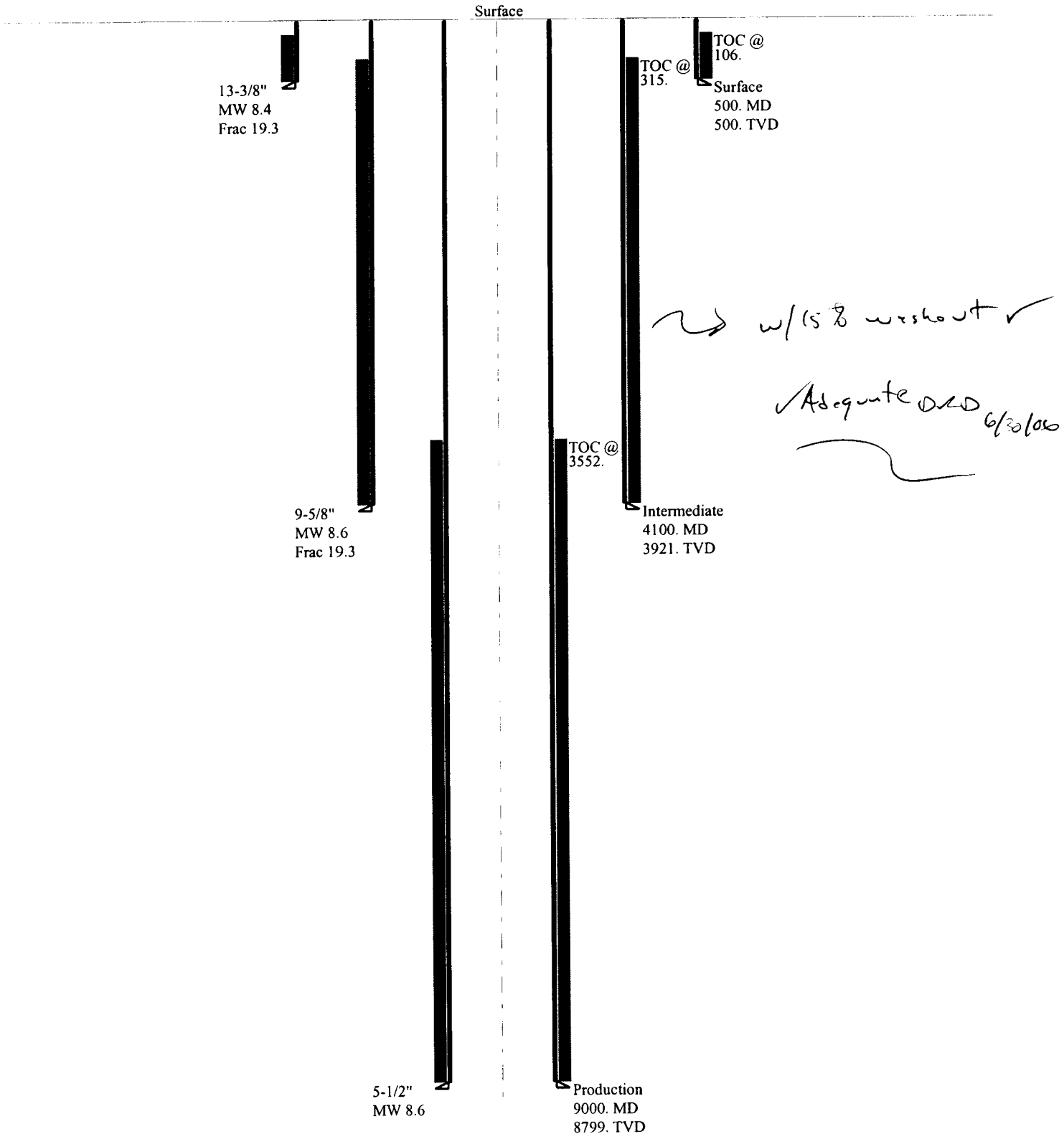
Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.
Slurry yield: 1.75 cf/sack Slurry weight: 13.00 #/gal.
Water requirement: 9.09 gal/sack
Compressives @ 165°F: 905 psi after 24 hours

13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: March 15, 2005
Duration: 14 Days

02-05 Dominion RBU 4-16E

Casing Schematic



CONFIDENTIAL

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

AMENDED REPORT ☐ (highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-13214

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: River Bend Unit

8. WELL NAME and NUMBER: RBU 4-16E

9. API NUMBER: 43-047-36169

10 FIELD AND POOL, OR WILDCAT: Natural Buttes

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: Dominion Exploration & Production, Inc., 14000 Quail Springs Parkway,

3. ADDRESS OF OPERATOR: Suite 600 CITY Oklahoma City STATE OK ZIP 73170

PHONE NUMBER: (405) 749-1300

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 1303' FNL & 1717' FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH: ~~600' FNL & 700' FWL~~ 0836 FNL 0665 FWL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 16 10S 19E

12. COUNTY: Uintah

13. STATE: UTAH

14. DATE SPUDDED: 5/24/2006

15. DATE T.D. REACHED: 7/13/2006

16. DATE COMPLETED: 7/22/2006 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5130' GL

18. TOTAL DEPTH: MD 9,1242 TVD 8,853

19. PLUG BACK T.D.: MD 9,049 TVD 8781

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

Dual/Micro Laterolog/Compensated Z-Densilog
Compensated Neutron Log, Gamma Ray/Caliper, Cmt Bond Log

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17 1/2"	13 3/8" H-40	48#	Surface	527		500 Sx		Surface	
12 1/4"	9 5/8" J-55	36#	Surface	4,070		730 Sx		Surface	
7 7/8"	5 1/2" M-80	17#	Surface	9,088		694 Sx		Est @ 3700	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B) See Attachment				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
	See Attachment

RECEIVED
AUG 17 2006
DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

☑ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: Producing

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION **INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
7/22/2006		8/11/2006		24			5	1,298	37	Flowing
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
48		231			1;259,600		5	1,298	37	Producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. 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.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
Wasatch Tongue	4,512
Uteland Limestone	4,892
Wasatch	5,040
Chapita Wells	6,056
Uteland Buttes	7,200
Mesaverde	8,162

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Carla Christian TITLE Sr. Regulatory Specialist

SIGNATURE Carla Christian DATE 8/15/2006

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

RBU 4-16E Perforations & Frac's

Interval #1	Mesaverde	8816 – 36	
		8839 – 60	84 holes

Frac w/66,752# 20/40 PR6000 sd., w/345.9 mscf of N2 and 728 bbls of YF12OST.

Interval #2	Mesaverde	8494 – 04	
		8616 – 20	
		8686 – 98	55 holes

Frac w/73,172# 20/40 PR6000 sd., w/378.3 mscf of N2 and 808 bbls of YF120ST

Interval #3	Mesaverde/	8078 – 84	
	Wastach	8152 – 61	
		8246 - 53	53 holes

Frac w/72,572# 20/40 PR6000 sd., w/364 mscf of N2 and 785 bbls of YF120ST

Interval #4	Wasatch	7528 – 41	
		7598 – 13	58 holes

Frac w/89,182# 20/40 Ottawa sd., w/274 mscf of N2 and 657 bbls of YF120ST

Interval #5	Wasatch	6757 – 73	
		7036 - 40	58 holes

Frac w/44,496# 20/40 Ottawa sd., w/166.5 mscf of N2 and 495 bbls of YF115ST

Interval #6	Wasatch	6286 – 95	
		6303 – 16	59 holes

Frac w/61,269# 20/40 Ottawa sd., w/185.4 mscf of N2 and 505 bbls of YF115ST

Interval #7	Wasatch	5671 – 75	
		5710 – 18	50 holes

Frac w/67,631# 20/40 Ottawa sd., w/223.3 mscf of N2 and 474 bbls of YF115ST

Ryan The leader in UNDERGROUND INTELLIGENCE™

Dominion Exploration & Production
Natural Buttes Field
Uintah County, Utah

RBU 4-16E

Section 16, 10S, 19E

FINAL WELL REPORT

19510 Oil Center Blvd., Houston, TX 77073 Phone 281.443.1414 Fax 281.443.1676 Web www.ryanenergy.com

Ryan The leader in UNDERGROUND INTELLIGENCE™

AS DRILLED

Prepared for:

RBU 4-16E

Dominion Exploration & Production

on

Section 16, 10S, 19E

Uintah County, Utah

19510 Oil Center Blvd., Houston, TX 77073. Phone 281-443-1414 Fax 281.443.1676 Web www.ryanenergy.com

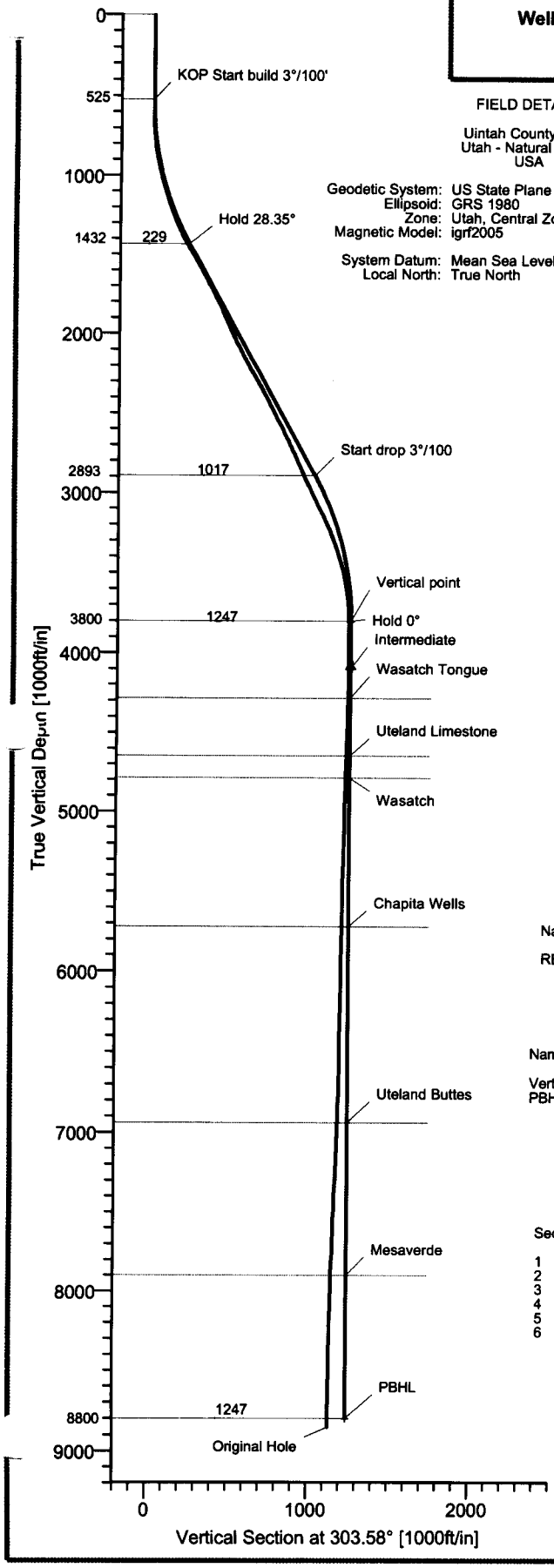
Dominion Exploration & Production

Field: Uintah County, Utah
Site: RBU # 4-16E
Well: RBU # 4-16E
Wellpath: Original Hole
Plan: Plan #1

Plan VS Actual

Azimuths to True North
Magnetic North: 11.82°

Magnetic Field
Strength: 52814nT
Dip Angle: 65.90°
Date: 6/15/2006
Model: igrf2005



FIELD DETAILS

Uintah County, Utah
Utah - Natural Buttes
USA

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: igrf2005

System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

RBU # 4-16E
Sec. 16, 10S, 19E

Site Centre Latitude: 39°57'03.290N
Longitude: 109°47'28.670W

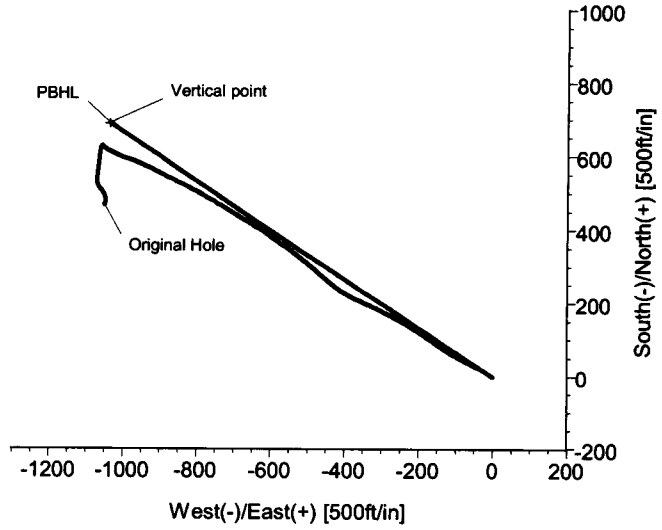
Ground Level: 5122.00
Positional Uncertainty: 0.00
Convergence: 1.09

WELLPATH DETAILS

Original Hole

Rig: Patterson 12
Ref. Datum: Est. RKB 5140.00ft

V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
303.58°	0.00	0.00	0.00



WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
RBU # 4-16E	0.00	0.00	7155433.70	2119402.20	39°57'03.290N	109°47'28.670W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Vertical point	3800.00	689.53	-1038.43	Point
PBHL	8800.00	689.53	-1038.43	Point

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	4285.00	4560.30	Wasatch Tongue
2	4645.00	4920.30	Uteland Limestone
3	4785.00	5060.30	Wasatch
4	5720.00	5995.30	Chapita Wells
5	6940.00	7215.30	Uteland Buttes
6	7900.00	8175.30	Mesaverde

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	303.58	0.00	0.00	0.00	0.00	0.00	0.00	
2	525.00	0.00	303.58	525.00	0.00	0.00	0.00	0.00	0.00	
3	1469.97	28.35	303.58	1431.89	126.70	-190.81	3.00	303.58	229.05	
4	3130.33	28.35	303.58	2893.11	562.83	-847.62	0.00	0.00	1017.46	
5	4075.30	0.00	303.58	3800.00	689.53	-1038.43	3.00	180.00	1246.51	
6	9075.30	0.00	303.58	8800.00	689.53	-1038.43	0.00	0.00	1246.51	PBHL

Plan: Plan #1 (RBU # 4-16E/Original Hole)
Created By: Alexis Gonzalez Date: 8/11/2006
Checked: _____ Date: _____
Reviewed: _____ Date: _____
Approved: _____ Date: _____

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

Ryan The leader in UNDERGROUND INTELLIGENCE™

DIRECTIONAL DRILLING COMPOSITE SURVEY REPORT

Prepared for:

RBU 4-16E

Dominion Exploration & Production

on

Section 16, 10S, 19E

Uintah County, Utah

Report Prepared on August, 2006

WE HEREBY CERTIFY THAT THE DATA CONTAINED IN THIS REPORT FROM 545' FT. TO 9122' 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

8-11-06
DATE

19510 Oil Center Blvd., Houston, TX 77073 Phone 281.443.1414 Fax 281.443.1676 Web www.ryanenergy.com

Ryan The leader in UNDERGROUND INTELLIGENCE™

SURVEY REPORT - STANDARD

Prepared for:

RBU 4-16E

Dominion Exploration & Production

on

Section 16, 10S, 19E

Uintah County, Utah

19510 Oil Center Blvd., Houston, TX 77073 Phone 281.443.1414 Fax 281.443.1676 Web www.ryanenergy.com

Ryan Energy Technologied
Survey Report

Company:	Dominion Exploration & Product	**Date:** 8/11/2006 **Time:** 09:37:17	**Page:** 1
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: RBU # 4-16E, True North
Site:	RBU # 4-16E	**Vertical (TVD) Reference:**	Est. RKB 5140.0
Well:	RBU # 4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

Field: Uintah County, Utah
Utah - Natural Buttes
USA

Map System: US State Plane Coordinate System 1983 — **Map Zone:** Utah, Central Zone
Geo Datum: GRS 1980 — **Coordinate System:** Well Centre
Sys Datum: Mean Sea Level — **Geomagnetic Model:** igrf2005

Site: RBU # 4-16E

Sec. 16, 10S, 19E

Site Position: **Northing:** 7155433.70 ft **Latitude:** 39 57 3.290 N
From: Geographic **Easting:** 2119402.20 ft **Longitude:** 109 47 28.670 W
Position Uncertainty: 0.00 ft **North Reference:** True
Ground Level: 5122.00 ft **Grid Convergence:** 1.09 deg

Well: RBU # 4-16E **Slot Name:**

Well Position: +N/-S 0.00 ft **Northing:** 7155433.70 ft **Latitude:** 39 57 3.290 N
+E/-W 0.00 ft **Easting :** 2119402.20 ft **Longitude:** 109 47 28.670 W
Position Uncertainty: 0.00 ft

Wellpath: Original Hole — **Drilled From:** Surface
Tie-on Depth: 0.00 ft
Current Datum: Est. RKB **Height** 5140.00 ft **Above System Datum:** Mean Sea Level
Magnetic Data: 6/15/2006 **Declination:** 11.82 deg
Field Strength: 52814 nT **Mag Dip Angle:** 65.90 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	303.58

Survey Program for Definitive Wellpath
Date: 7/12/2006 **Validated:** No **Version:** 0

Actual From ft	To ft	Survey	Toolcode	Tool Name
545.00	4050.00	Survey #1 (545.00-4050.00)	MWD	MWD
4600.00	8820.00	Survey #2 (4600.00-8820.00)	SS	Single-Shot
9122.00	9122.00	Survey #3 (9122.00-9122.00)	Projection	Projection

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
545.00	0.00	303.58	545.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
619.00	0.80	309.10	619.00	0.33	-0.40	0.51	1.08	1.08	0.00	MWD
711.00	4.00	310.80	710.90	2.83	-3.33	4.34	3.48	3.48	1.85	MWD
802.00	7.60	304.60	801.43	8.32	-10.69	13.51	4.01	3.96	-6.81	MWD
894.00	10.80	299.80	892.23	16.06	-23.18	28.19	3.57	3.48	-5.22	MWD
986.00	13.90	296.60	982.09	25.30	-40.54	47.77	3.45	3.37	-3.48	MWD
1077.00	16.70	296.70	1069.86	36.07	-62.00	71.60	3.08	3.08	0.11	MWD
1168.00	18.50	297.90	1156.60	48.70	-86.44	98.95	2.02	1.98	1.32	MWD
1263.00	20.80	301.10	1246.06	64.47	-114.21	130.81	2.67	2.42	3.37	MWD
1358.00	24.00	305.00	1333.88	84.27	-144.49	166.98	3.71	3.37	4.11	MWD
1455.00	28.00	304.80	1421.05	108.59	-179.36	209.49	4.12	4.12	-0.21	MWD
1550.00	30.10	302.10	1504.10	133.98	-217.86	255.60	2.61	2.21	-2.84	MWD
1645.00	29.00	298.10	1586.75	157.48	-258.36	302.35	2.38	-1.16	-4.21	MWD
1738.00	27.40	296.40	1668.71	177.62	-297.41	346.02	1.92	-1.72	-1.83	MWD
1833.00	27.50	295.20	1753.01	196.68	-336.84	389.41	0.59	0.11	-1.26	MWD
1927.00	24.30	295.40	1837.56	214.22	-373.96	430.03	3.41	-3.40	0.21	MWD
2022.00	23.30	303.00	1924.50	232.84	-407.38	468.18	3.39	-1.05	8.00	MWD
2117.00	24.90	310.60	2011.24	256.10	-438.33	506.83	3.67	1.68	8.00	MWD
2212.00	27.50	311.20	2096.47	283.56	-470.03	548.42	2.75	2.74	0.63	MWD
2307.00	27.70	309.20	2180.66	311.97	-503.64	592.14	1.00	0.21	-2.11	MWD
2402.00	30.50	306.40	2263.67	340.23	-540.17	638.20	3.28	2.95	-2.95	MWD

Ryan Energy Technologied
Survey Report

Company:	Dominion Exploration & Product	**Date:** 8/11/2006	**Time:** 09:37:17	**Page:**	2
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: RBU # 4-16E, True North		
Site:	RBU # 4-16E	**Vertical (TVD) Reference:**	Est. RKB 5140.0		
Well:	RBU # 4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

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
2497.00	28.90	305.40	2346.18	367.84	-578.28	685.23	1.76	-1.68	-1.05	MWD
2593.00	26.70	304.40	2431.10	393.47	-614.99	729.99	2.34	-2.29	-1.04	MWD
2687.00	26.30	301.50	2515.23	416.28	-650.18	771.91	1.44	-0.43	-3.09	MWD
2783.00	26.50	300.30	2601.21	438.20	-686.80	814.55	0.59	0.21	-1.25	MWD
2878.00	25.30	301.70	2686.67	459.56	-722.37	856.00	1.42	-1.26	1.47	MWD
2973.00	24.10	300.40	2772.98	480.04	-756.37	895.66	1.39	-1.26	-1.37	MWD
3069.00	23.20	298.80	2860.92	499.07	-789.85	934.07	1.15	-0.94	-1.67	MWD
3164.00	25.90	296.60	2947.32	517.38	-824.81	973.32	3.00	2.84	-2.32	MWD
3259.00	26.30	295.70	3032.64	535.79	-862.32	1014.76	0.59	0.42	-0.95	MWD
3354.00	26.20	296.40	3117.84	554.25	-900.07	1056.41	0.34	-0.11	0.74	MWD
3449.00	24.40	294.90	3203.72	571.83	-936.66	1096.62	2.01	-1.89	-1.58	MWD
3545.00	20.40	290.80	3292.47	586.13	-970.30	1132.56	4.47	-4.17	-4.27	MWD
3638.00	18.60	289.20	3380.13	596.76	-999.46	1162.73	2.02	-1.94	-1.72	MWD
3733.00	15.00	295.60	3471.07	607.06	-1024.87	1189.59	4.26	-3.79	6.74	MWD
3828.00	10.10	296.00	3563.77	616.03	-1043.45	1210.04	5.16	-5.16	0.42	MWD
3923.00	6.30	321.60	3657.81	623.77	-1054.19	1223.26	5.46	-4.00	26.95	MWD
4018.00	1.30	340.20	3752.57	628.88	-1057.79	1229.09	5.35	-5.26	19.58	MWD
4050.00	1.42	333.50	3784.57	629.57	-1058.09	1229.72	0.62	0.37	-20.94	MWD
4600.00	2.75	187.00	4334.39	622.57	-1062.74	1229.73	0.73	0.24	-26.64	SS
5677.00	2.00	187.00	5410.46	578.28	-1068.18	1209.75	0.07	-0.07	0.00	SS
6757.00	2.00	187.00	6489.80	540.87	-1072.77	1192.88	0.00	0.00	0.00	SS
7612.00	2.50	142.00	7344.20	511.36	-1063.11	1168.51	0.21	0.06	-5.26	SS
8820.00	1.50	192.00	8551.53	475.13	-1050.18	1137.70	0.16	-0.08	4.14	SS
9122.00	1.50	192.00	8853.43	467.40	-1051.82	1134.79	0.00	0.00	0.00	Projection

Ryan The leader in UNDERGROUND INTELLIGENCE™

SURVEY REPORT - GEOGRAPHIC

Prepared for:

RBU 4-16E

Dominion Exploration & Production

on

Section 16, 10S, 19E

Uintah County, Utah

19510 Oil Center Blvd., Houston, TX 77073 Phone 281.443.1414 Fax 281.443.1676 Web www.ryanenergy.com

Ryan Energy Technologied
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 8/11/2006 **Time:** 09:39:43	**Page:** 1
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: RBU # 4-16E, True North
Site:	RBU # 4-16E	**Vertical (TVD) Reference:**	Est. RKB 5140.0
Well:	RBU # 4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

Field: Uintah County, Utah
Utah - Natural Buttes
USA

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

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

Site: RBU # 4-16E

Sec. 16, 10S, 19E

Site Position:
From: Geographic
Position Uncertainty: 0.00 ft
Ground Level: 5122.00 ft

Northing: 7155433.70 ft
Easting: 2119402.20 ft

Latitude: 39 57 3.290 N
Longitude: 109 47 28.670 W
North Reference: True
Grid Convergence: 1.09 deg

Well: RBU # 4-16E

Slot Name:

Well Position: +N/-S 0.00 ft **Northing:** 7155433.70 ft **Latitude:** 39 57 3.290 N
+E/-W 0.00 ft **Easting :** 2119402.20 ft **Longitude:** 109 47 28.670 W
Position Uncertainty: 0.00 ft

Wellpath: Original Hole

Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 11.82 deg
Mag Dip Angle: 65.90 deg

Current Datum: Est. RKB **Height** 5140.00 ft
Magnetic Data: 6/15/2006
Field Strength: 52814 nT
Vertical Section:

Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	303.58

Survey Program for Definitive Wellpath
Date: 7/12/2006 **Validated:** No **Version:** 0

Actual From ft	To ft	Survey	Toolcode	Tool Name
545.00	4050.00	Survey #1 (545.00-4050.00)	MWD	MWD
4600.00	8820.00	Survey #2 (4600.00-8820.00)	SS	Single-Shot
9122.00	9122.00	Survey #3 (9122.00-9122.00)	Projection	Projection

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
545.00	0.00	303.58	545.00	0.00	0.00	7155433.70	2119402.20	39 57 3.290 N	109 47 28.670 W
619.00	0.80	309.10	619.00	0.33	-0.40	7155434.02	2119401.79	39 57 3.293 N	109 47 28.675 W
711.00	4.00	310.80	710.90	2.83	-3.33	7155436.46	2119398.81	39 57 3.318 N	109 47 28.713 W
802.00	7.60	304.60	801.43	8.32	-10.69	7155441.82	2119391.35	39 57 3.372 N	109 47 28.807 W
894.00	10.80	299.80	892.23	16.06	-23.18	7155449.32	2119378.71	39 57 3.449 N	109 47 28.968 W
986.00	13.90	296.60	982.09	25.30	-40.54	7155458.22	2119361.18	39 57 3.540 N	109 47 29.191 W
1077.00	16.70	296.70	1069.86	36.07	-62.00	7155468.58	2119339.52	39 57 3.646 N	109 47 29.466 W
1168.00	18.50	297.90	1156.60	48.70	-86.44	7155480.74	2119314.84	39 57 3.771 N	109 47 29.780 W
1263.00	20.80	301.10	1246.06	64.47	-114.21	7155495.97	2119286.77	39 57 3.927 N	109 47 30.137 W
1358.00	24.00	305.00	1333.88	84.27	-144.49	7155515.19	2119256.12	39 57 4.123 N	109 47 30.526 W
1455.00	28.00	304.80	1421.05	108.59	-179.36	7155538.84	2119220.79	39 57 4.363 N	109 47 30.973 W
1550.00	30.10	302.10	1504.10	133.98	-217.86	7155563.49	2119181.82	39 57 4.614 N	109 47 31.468 W
1645.00	29.00	298.10	1586.75	157.48	-258.36	7155586.22	2119140.88	39 57 4.846 N	109 47 31.988 W
1738.00	27.40	296.40	1668.71	177.62	-297.41	7155605.61	2119101.44	39 57 5.045 N	109 47 32.489 W
1833.00	27.50	295.20	1753.01	196.68	-336.84	7155623.91	2119061.66	39 57 5.234 N	109 47 32.996 W
1927.00	24.30	295.40	1837.56	214.22	-373.96	7155640.74	2119024.21	39 57 5.407 N	109 47 33.472 W
2022.00	23.30	303.00	1924.50	232.84	-407.38	7155658.72	2118990.44	39 57 5.591 N	109 47 33.902 W
2117.00	24.90	310.60	2011.24	256.10	-438.33	7155681.38	2118959.05	39 57 5.821 N	109 47 34.299 W
2212.00	27.50	311.20	2096.47	283.56	-470.03	7155708.23	2118926.84	39 57 6.092 N	109 47 34.706 W
2307.00	27.70	309.20	2180.66	311.97	-503.64	7155735.99	2118892.69	39 57 6.373 N	109 47 35.138 W

Ryan Energy Technologied
Survey Report - Geographic

Company:	Dominion Exploration & Product	**Date:** 8/11/2006	**Time:** 09:39:43	**Page:**	2
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: RBU # 4-16E, True North		
Site:	RBU # 4-16E	**Vertical (TVD) Reference:**	Est. RKB 5140.0		
Well:	RBU # 4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
2402.00	30.50	306.40	2263.67	340.23	-540.17	7155763.55	2118855.63	39 57 6.653 N	109 47 35.607 W
2497.00	28.90	305.40	2346.18	367.84	-578.28	7155790.43	2118816.99	39 57 6.925 N	109 47 36.096 W
2593.00	26.70	304.40	2431.10	393.47	-614.99	7155815.35	2118779.80	39 57 7.179 N	109 47 36.568 W
2687.00	26.30	301.50	2515.23	416.28	-650.18	7155837.48	2118744.19	39 57 7.404 N	109 47 37.020 W
2783.00	26.50	300.30	2601.21	438.20	-686.80	7155858.70	2118707.15	39 57 7.621 N	109 47 37.490 W
2878.00	25.30	301.70	2686.67	459.56	-722.37	7155879.37	2118671.18	39 57 7.832 N	109 47 37.947 W
2973.00	24.10	300.40	2772.98	480.04	-756.37	7155899.20	2118636.79	39 57 8.034 N	109 47 38.383 W
3069.00	23.20	298.80	2860.92	499.07	-789.85	7155917.59	2118602.96	39 57 8.222 N	109 47 38.813 W
3164.00	25.90	296.60	2947.32	517.38	-824.81	7155935.23	2118567.65	39 57 8.403 N	109 47 39.262 W
3259.00	26.30	295.70	3032.64	535.79	-862.32	7155952.92	2118529.79	39 57 8.585 N	109 47 39.744 W
3354.00	26.20	296.40	3117.84	554.25	-900.07	7155970.65	2118491.70	39 57 8.768 N	109 47 40.229 W
3449.00	24.40	294.90	3203.72	571.83	-936.66	7155987.54	2118454.78	39 57 8.941 N	109 47 40.699 W
3545.00	20.40	290.80	3292.47	586.13	-970.30	7156001.19	2118420.87	39 57 9.083 N	109 47 41.131 W
3638.00	18.60	289.20	3380.13	596.76	-999.46	7156011.26	2118391.52	39 57 9.188 N	109 47 41.505 W
3733.00	15.00	295.60	3471.07	607.06	-1024.87	7156021.08	2118365.92	39 57 9.290 N	109 47 41.831 W
3828.00	10.10	296.00	3563.77	616.03	-1043.45	7156029.69	2118347.16	39 57 9.378 N	109 47 42.070 W
3923.00	6.30	321.60	3657.81	623.77	-1054.19	7156037.22	2118336.29	39 57 9.455 N	109 47 42.208 W
4018.00	1.30	340.20	3752.57	628.88	-1057.79	7156042.26	2118332.58	39 57 9.505 N	109 47 42.254 W
4050.00	1.42	333.50	3784.57	629.57	-1058.09	7156042.95	2118332.27	39 57 9.512 N	109 47 42.258 W
4600.00	2.75	187.00	4334.39	622.57	-1062.74	7156035.86	2118327.76	39 57 9.443 N	109 47 42.318 W
5677.00	2.00	187.00	5410.46	578.28	-1068.18	7155991.47	2118323.16	39 57 9.005 N	109 47 42.388 W
6757.00	2.00	187.00	6489.80	540.87	-1072.77	7155953.97	2118319.29	39 57 8.635 N	109 47 42.447 W
7612.00	2.50	142.00	7344.20	511.36	-1063.11	7155924.66	2118329.51	39 57 8.344 N	109 47 42.322 W
8820.00	1.50	192.00	8551.53	475.13	-1050.18	7155888.68	2118343.13	39 57 7.986 N	109 47 42.156 W
9122.00	1.50	192.00	8853.43	467.40	-1051.82	7155880.92	2118341.64	39 57 7.909 N	109 47 42.177 W

Ryan The leader in UNDERGROUND INTELLIGENCE™

SURVEY REPORT - CLOSURE

Prepared for:

RBU 4-16E

Dominion Exploration & Production

on

Section 16, 10S, 19E

Uintah County, Utah

19510 Oil Center Blvd., Houston, TX 77073 Phone 281.443.1414 Fax 281.443.1676 Web www.ryanenergy.com

Ryan Energy Technologied
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:** 8/11/2006 **Time:** 09:40:58	**Page:** 1
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: RBU # 4-16E, True North
Site:	RBU # 4-16E	**Vertical (TVD) Reference:**	Est. RKB 5140.0
Well:	RBU # 4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

Field: Uintah County, Utah
Utah - Natural Buttes
USA

Map System: US State Plane Coordinate System 1983 — **Map Zone:** Utah, Central Zone
Geo Datum: GRS 1980 — **Coordinate System:** Well Centre
Sys Datum: Mean Sea Level — **Geomagnetic Model:** igrf2005

Site: RBU # 4-16E

Sec. 16, 10S, 19E

Site Position:			**Northing:**	7155433.70 ft	**Latitude:**	39	57	3.290	N
From:	Geographic		**Easting:**	2119402.20 ft	**Longitude:**	109	47	28.670	W
Position Uncertainty:		0.00 ft			**North Reference:**			True	
Ground Level:		5122.00 ft			**Grid Convergence:**			1.09	deg

Well: RBU # 4-16E — **Slot Name:**

Well Position:	+N/-S	0.00 ft	**Northing:**	7155433.70 ft	**Latitude:**	39	57	3.290	N
	+E/-W	0.00 ft	**Easting :**	2119402.20 ft	**Longitude:**	109	47	28.670	W
Position Uncertainty:		0.00 ft							

Wellpath: Original Hole — **Drilled From:** Surface
Tie-on Depth: 0.00 ft

Current Datum: Est. RKB — **Height** 5140.00 ft — **Above System Datum:** Mean Sea Level
Magnetic Data: 6/15/2006 — **Declination:** 11.82 deg
Field Strength: 52814 nT — **Mag Dip Angle:** 65.90 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	303.58

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
545.00	0.00	303.58	545.00	0.00	0.00	0.00	0.00	0.00	0.00	
619.00	0.80	309.10	619.00	0.33	-0.40	0.51	1.08	0.52	309.10	
711.00	4.00	310.80	710.90	2.83	-3.33	4.34	3.48	4.37	310.35	
802.00	7.60	304.60	801.43	8.32	-10.69	13.51	4.01	13.54	307.90	
894.00	10.80	299.80	892.23	16.06	-23.18	28.19	3.57	28.20	304.72	
986.00	13.90	296.60	982.09	25.30	-40.54	47.77	3.45	47.79	301.96	
1077.00	16.70	296.70	1069.86	36.07	-62.00	71.60	3.08	71.73	300.19	
1168.00	18.50	297.90	1156.60	48.70	-86.44	98.95	2.02	99.22	299.39	
1263.00	20.80	301.10	1246.06	64.47	-114.21	130.81	2.67	131.15	299.44	
1358.00	24.00	305.00	1333.88	84.27	-144.49	166.98	3.71	167.27	300.25	
1455.00	28.00	304.80	1421.05	108.59	-179.36	209.49	4.12	209.67	301.19	
1550.00	30.10	302.10	1504.10	133.98	-217.86	255.60	2.61	255.76	301.59	
1645.00	29.00	298.10	1586.75	157.48	-258.36	302.35	2.38	302.57	301.36	
1738.00	27.40	296.40	1668.71	177.62	-297.41	346.02	1.92	346.42	300.85	
1833.00	27.50	295.20	1753.01	196.68	-336.84	389.41	0.59	390.06	300.28	
1927.00	24.30	295.40	1837.56	214.22	-373.96	430.03	3.41	430.97	299.81	
2022.00	23.30	303.00	1924.50	232.84	-407.38	468.18	3.39	469.23	299.75	
2117.00	24.90	310.60	2011.24	256.10	-438.33	506.83	3.67	507.66	300.30	
2212.00	27.50	311.20	2096.47	283.56	-470.03	548.42	2.75	548.94	301.10	
2307.00	27.70	309.20	2180.66	311.97	-503.64	592.14	1.00	592.43	301.77	
2402.00	30.50	306.40	2263.67	340.23	-540.17	638.20	3.28	638.39	302.21	
2497.00	28.90	305.40	2346.18	367.84	-578.28	685.23	1.76	685.36	302.46	
2593.00	26.70	304.40	2431.10	393.47	-614.99	729.99	2.34	730.09	302.61	
2687.00	26.30	301.50	2515.23	416.28	-650.18	771.91	1.44	772.02	302.63	
2783.00	26.50	300.30	2601.21	438.20	-686.80	814.55	0.59	814.69	302.54	
2878.00	25.30	301.70	2686.67	459.56	-722.37	856.00	1.42	856.16	302.46	
2973.00	24.10	300.40	2772.98	480.04	-756.37	895.66	1.39	895.85	302.40	
3069.00	23.20	298.80	2860.92	499.07	-789.85	934.07	1.15	934.31	302.29	

Ryan Energy Technologied
Survey Report (Closure)

Company:	Dominion Exploration & Product	**Date:** 8/11/2006	**Time:** 09:40:58	**Page:**	2
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: RBU # 4-16E, True North		
Site:	RBU # 4-16E	**Vertical (TVD) Reference:**	Est. RKB 5140.0		
Well:	RBU # 4-16E	**Section (VS) Reference:**	Well (0.00N,0.00E,303.58Azi)		
Wellpath:	Original Hole	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
3164.00	25.90	296.60	2947.32	517.38	-824.81	973.32	3.00	973.65	302.10	
3259.00	26.30	295.70	3032.64	535.79	-862.32	1014.76	0.59	1015.22	301.85	
3354.00	26.20	296.40	3117.84	554.25	-900.07	1056.41	0.34	1057.03	301.62	
3449.00	24.40	294.90	3203.72	571.83	-936.66	1096.62	2.01	1097.42	301.40	
3545.00	20.40	290.80	3292.47	586.13	-970.30	1132.56	4.47	1133.59	301.13	
3638.00	18.60	289.20	3380.13	596.76	-999.46	1162.73	2.02	1164.07	300.84	
3733.00	15.00	295.60	3471.07	607.06	-1024.87	1189.59	4.26	1191.17	300.64	
3828.00	10.10	296.00	3563.77	616.03	-1043.45	1210.04	5.16	1211.73	300.56	
3923.00	6.30	321.60	3657.81	623.77	-1054.19	1223.26	5.46	1224.91	300.61	
4018.00	1.30	340.20	3752.57	628.88	-1057.79	1229.09	5.35	1230.61	300.73	
4050.00	1.42	333.50	3784.57	629.57	-1058.09	1229.72	0.62	1231.23	300.75	
4600.00	2.75	187.00	4334.39	622.57	-1062.74	1229.73	0.73	1231.67	300.36	
5677.00	2.00	187.00	5410.46	578.28	-1068.18	1209.75	0.07	1214.67	298.43	
6757.00	2.00	187.00	6489.80	540.87	-1072.77	1192.88	0.00	1201.41	296.76	
7612.00	2.50	142.00	7344.20	511.36	-1063.11	1168.51	0.21	1179.70	295.69	
8820.00	1.50	192.00	8551.53	475.13	-1050.18	1137.70	0.16	1152.66	294.34	
9122.00	1.50	192.00	8853.43	467.40	-1051.82	1134.79	0.00	1150.99	293.96	

Ryan The leader in UNDERGROUND INTELLIGENCE™

DAILY DRILLING REPOTS

Prepared for:

RBU 4-16E

Dominion Exploration & Production

on

Section 16, 10S, 19E

Uintah County, Utah

19510 Oil Center Blvd., Houston, TX 77073 Phone 281.443.1414 Fax 281.443.1676 Web www.ryanenergy.com

Report No.: 1
Date M/Y/D: 01-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company:	DOMINION E & P	Customer:	DOMINION E & P
Field:	NATRUAL BUTTES	Well Name & No.:	RBU 4-16E
Location:	UINTAH COUNTY UT.	Block or Section:	16, 10S, 19E
AFE or PO #:	0	Rig Contractor & No.:	PATERSON # 12

00:00 Depth:	545	Footage Today:	0	Drlg Hrs Today:	0	ROP Today:	#DIV/0!	Last Casing Set:	545
24:00 Depth:	545	Current Run Ftg:	0	Run Drlg Hrs:	0	Run Avg. ROP:	#DIV/0!	Depth:	13 3/8
		Previous Run Ftg:	0	Run Drlg Hrs:	0	Run Avg. ROP:	#DIV/0!		

PUMP Data Total Gals/Min =				MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	0	0	0	Mud Type	Water Base			1	1	Run No.	1	
Liner (in)				Sample	IN		OUT	BIT		Size (in.)	7 3/4	
%				Time				I.50 MT		Type	7/8 3 ST.	
Vol (gps)	0.00	0.00	0.00	Wt.				F/S		Serial No.	77304	
SPM				VIS				M/S		Tool Deflection	1.5	
DRILLING PARAMETERS				PV				NMDC		Avg. Diff. Press.		
ST. WT. ROT 1000's:				YP				S/S		Daily Drill Hrs.		
P/U WT. 1000's:				WL				3 X 8"DC		Daily Circ. Hrs.	1	
S/O WT. 1000's:				CL				X/O		Daily Total Hrs:	1	0
WOB 1000's:				Gels				12 X 6" DC		Acc. Drill Hrs.	0	0
ROTARY RPM:				% Oil						Acc. Circ. Hrs.	1	0
MOTOR RPM:				% Solids						Depth In	545	
TOTAL Bit RPM		0	0	% Sand						Depth Out		
ROT TQ. OFF BTM:				PH						LIH Hrs.	7.5	
ROT TQ. ON BTM:				Temp F						Acc. LIH Hrs.	7.5	0
Current Mag Dec:				MWD F				BHA WT		Acc. Hrs Cir/Drlg	1	0
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION IR	OR	DC	LOC	B/S	G/Ge	OC	RFLD
1	12 1/4	REED	HP53A	HP5348	3 X 28	545	0	0.0	0								

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown
0:00	16.50				O	SKID RIG RIG UP
16:30	6.50				6.A	M/U DIR. BHA RIH
23:00	1.00				5.A	DRILL CEMENT F/ 439 TO 545
0:00	0.00					

Current Operations

SLIEDING AT 770

Mechanical Daily Cost

Description	Cost

Mechanical Daily Cost (Cum)

Directional Cost (Cum)

Current Personnel

JIM MILLER	0
PAT WIESNER	0

RYAN Directional Personnel

BOBBY BARNES	

RYAN MWD Personnel

RON KINDELL	

24 Hour Footage

Ftg Rot.	0	Time Rot.	0
Ftg Orient	0	Time Orient	0
Rot. ROP	#DIV/0!	Orient ROP	#DIV/0!

Report No.: 2
Date M/Y/D: 02-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company:	DOMINION E & P	Customer:	DOMINION E & P
Field:	NATRUAL BUTTES	Well Name & No.:	RBU 4-16E
Location:	UINTAH COUNTY UT.	Block or Section:	16, 10S, 19E
AFE or PO #:	0	Rig Contractor & No.:	PATERSON # 12

00:00 Depth:	545	Footage Today:	1095	Drlg Hrs Today:	22.5	ROP Today:	48.67	Last Casing Set:	545
24:00 Depth:	1640	Current Run Ftg:	1095	Run Drlg Hrs:	22.5	Run Avg. ROP:	48.67	Depth:	13 3/8
		Previous Run Ftg:	0	Run Drlg Hrs:	0	Run Avg. ROP:	#DIV/0!		

PUMP Data: Total Gals/Min =				MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	0	0	0	Mud Type	Water Base			1	1	Run No.	1	
Liner (in)				Sample	IN		OUT	BIT		Size (in.)	7 3/4	
%				Time				I.50 MT		Type	7/8 3 ST.	
Vol (gps)	0.00	0.00	0.00	Wt.				F/S		Serial No.	77304	
SPM				VIS				M/S		Tool Deflection	1.5	
DRILLING PARAMETERS				PV				NMDC		Avg. Diff. Press.		
ST. WT. ROT 1000's:		100		YP				S/S		Daily Drill Hrs.	22.5	
P/U WT. 1000's:		110		WL				3 X 8"DC		Daily Circ. Hrs.	1.5	
S/O WT. 1000's:		100		CL				X/O		Daily Total Hrs:	24	0
WOB 1000's:		45		Gels				12 X 6" DC		Acc. Drill Hrs.	22.5	0
ROTARY RPM:		50		% Oil						Acc. Circ. Hrs.	2.5	0
MOTOR RPM:		95		% Solids						Depth In	545	
TOTAL Bit RPM		145	0	% Sand						Depth Out		
ROT TQ. OFF BTM:				PH						LIH Hrs.	24	
ROT TQ. ON BTM:				Temp F						Acc. LIH Hrs.	31.5	0
Current Mag Dec:				MWD F				BHA WT		Acc. Hrs Cir/Drilg	25	0
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION IR	OR	DC	LOC	BS	G/16"	OC	RFID
1	12 1/4	REED	HP53A	HP5348	3 X 28	545	1095	22.5	0								

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown
0:00	2.00	545	575	30	2.A	ROTATE F/ 545 TO 575
2:00	1.00	575	636	61	2.B	SLIDE F/ 575 TO 636
3:00	1.00	636	665	29	2.A	ROTATE F/ 636 TO 665
4:00	1.00	665	711	46	2.B	SLIDE F/ 665 TO 711
5:00	1.00	711	757	46	2.A	ROTATE F/ 711 TO 757
6:00	1.00	757	787	30	2.B	SLIDE F/ 757 TO 787
7:00	0.50	787	848	61	2.A	ROTATE F/ 787 TO 848
7:30	0.50	848	868	20	2.B	SLIDE F/ 848 TO 868
8:00	1.50	868	940	72	2.A	ROTATE F/ 868 TO 940
9:30	0.50	940	960	20	2.B	SLIDE F/ 940 TO 960
10:00	1.00	960	1032	72	2.A	ROTATE F/ 960 TO 1032
11:00	0.50	1032	1052	20	2.B	SLIDE F/ 1032 TO 1052
11:30	0.50	1052	1123	71	2.A	ROTATE F/ 1052 TO 1123
12:00	0.50	1123	1148	25	2.B	SLIDE F/ 1123 TO 1148
12:30	1.00	1148	1214	66	2.A	ROTATE F/ 1148 TO 1214
13:30	0.50	1214	1246	32	2.B	SLIDE F/ 1214 TO 1246
14:00	1.50				5.A	WORK TIGHT SPOT, PUMP SWEEP
15:30	1.50	1246	1309	63	2.A	ROTATE F/ 1246 TO 1309
17:00	0.50	1309	1341	32	2.B	SLIDE F/ 1309 TO 1341
17:30	1.50	1341	1405	64	2.A	ROTATE F/ 1341 TO 1405
19:00	0.50	1405	1425	20	2.B	SLIDE F/ 1405 TO 1425
19:30	3.00	1425	1596	171	2.A	ROTATE F/ 1425 TO 1596
22:30	1.00	1596	1627	31	2.B	SLIDE F/ 1596 TO 1627
23:30	0.50	1627	1640	13	2.A	ROTATE F/ 1627 TO 1640
0:00	0.00					

Current Operations

DRILLING AT 1885

Estimated Daily Costs

Description	Cost

Estimated Daily Cost (USD)

Cumulative Cost (USD)

Ryan Personnel

JIM MILLER	0
PAT WIESNER	0

Ryan Directional Personnel

BOBBY BARNES	

Ryan MWD Personnel

RON KINDELL	

24 Hour Summary

Ftg Rot.	758	Time Rot.	15
Ftg Orient	337	Time Orient	7.5
Rot. ROP	50.53	Orient ROP	44.93

Report No.: 3
Date M/Y/D: 03-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company:	DOMINION E & P	Customer:	DOMINION E & P
Field:	NATRUAL BUTTES	Well Name & No.:	RBU 4-16E
Location:	UINTAH COUNTY UT.	Block or Section:	16, 10S, 19E
AFE or PO #:	0	Rig Contractor & No.:	PATERSON # 12

00:00 Depth:	1640	Footage Today:	912	Drlg Hrs Today:	23.5	ROP Today:	38.81	Last Casing Set:	545
24:00 Depth:	2552	Current Run Ftg:	2007	Run Drlg Hrs:	46	Run Avg. ROP:	43.63	Depth:	13 3/8
		Previous Run Ftg:	0	Run Drlg Hrs:	0	Run Avg. ROP:	#DIV/0!		

PUMP Data: Total Gals/Min =				MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	CUMULATIVE
Pump	0	0	0	Mud Type	Water Base			1	1	Run No.	1	
Liner (in)				Sample	IN		OUT	BIT		Size (in.)	7 3/4	
%				Time				I.50 MT		Type	7/8 3 ST.	
Vol (gps)	0.00	0.00	0.00	Wt.				F/S		Serial No.	77304	
SPM				VIS				M/S		Tool Deflection	1.5	
DRILLING PARAMETERS				PV				NMDC		Avg. Diff. Press.		
ST. WT. ROT 1000's:		100		YP				S/S		Daily Drill Hrs.	23.5	
P/U WT. 1000's:		110		WL				3 X 8"DC		Daily Circ. Hrs.	0	
S/O WT. 1000's:		100		CL				X/O		Daily Total Hrs:	23.5	0
WOB 1000's:		45		Gels				12 X 6" DC		Acc. Drill Hrs.	46	0
ROTARY RPM:		50		% Oil						Acc. Circ. Hrs.	2.5	0
MOTOR RPM:		95		% Solids						Depth In	545	
TOTAL Bit RPM		145	0	% Sand						Depth Out		
ROT TQ. OFF BTM:				PH						LIH Hrs.	24	
ROT TQ. ON BTM:				Temp F						Acc. LIH Hrs.	55.5	0
Current Mag Dec:				MWD F				BHA WT		Acc. Hrs Cir/Drlg	48.5	0
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	BIT CONDITION IR	OR	DC	LOC	B/S	G/Ø"	OC	RPLD
1	12 1/4	REED	HP53A	HP5348	3 X 28	545	2007	46.0	0								

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown
0:00	1.00	1640	1691	51	2.A	ROTATE F/ 1640 TO 1691
1:00	1.00	1691	1722	31	2.B	SLIDE F/ 1691 TO 1722
2:00	3.50	1722	1879	157	2.A	ROTATE F/ 1722 TO 1879
5:30	1.00	1879	1909	30	2.B	SLIDE F/ 1879 TO 1909
6:30	1.00	1909	1973	64	2.A	ROTATE F/ 1909 TO 1973
7:30	1.50	1973	2019	46	2.B	SLIDE F/ 1973 TO 2019
9:00	1.00	2019	2068	49	2.A	ROTATE F/ 2019 TO 2068
10:00	1.00	2068	2100	32	2.B	SLIDE F/ 2068 TO 2100
11:00	0.50	2100	2131	31	2.A	ROTATE F/ 2100 TO 2131
11:30	0.50	2131	2151	20	2.B	SLIDE F/ 2131 TO 2151
12:00	0.50	2151	2163	12	2.A	ROTATE F/ 2151 TO 2163
12:30	1.00	2163	2195	32	2.B	SLIDE F/ 2163 TO 2195
13:30	0.50				7	RIG SER.
14:00	6.50	2195	2448	253	2.A	ROTATE F/ 2195 TO 2448
20:30	1.00	2448	2468	20	2.B	SLIDE F/ 2448 TO 2468
21:30	2.00	2468	2543	75	2.A	ROTATE F/ 2468 TO 2543
23:30	0.50	2543	2552	9	2.B	SLIDE F/ 2543 TO 2552
0:00	0.00					

Current Operations

DRILLING AT 2740

Estimated Daily Costs

Description	Cost

Estimated Daily Cost (USD)

Accumulated Cost (USD)

Ryan Directional Personnel

JIM MILLER	0
PAT WIESNER	0

RYAN Directional Personnel

BOBBY BARNES	

RYAN MWD Personnel

RON KINDELL	

Bit Performance

Ftg Rot.	692	Time Rot.	16
Ftg Orient	220	Time Orient	7.5
Rot. ROP	43.25	Orient ROP	29.33

Report No.: 4
Date M/Y/D: 04-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company:	DOMINION E & P	Customer:	DOMINION E & P
Field:	NATRUAL BUTTES	Well Name & No.:	RBU 4-16E
Location:	UINTAH COUNTY UT.	Block or Section:	16, 10S, 19E
AFE or PO #:	0	Rig Contractor & No.:	PATERSON # 12

00:00 Depth:	2552	Footage Today:	535	Drlg Hrs Today:	17	ROP Today:	31.47	Last Casing Set:	545
24:00 Depth:	3087	Current Run Ftg:	22	Run Drlg Hrs:	0.5	Run Avg. ROP:	44.00	Depth:	13 3/8
		Previous Run Ftg:	2520	Run Drlg Hrs:	62.5	Run Avg. ROP:	40.32		

PUMP Data Total Gals/Min =				MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	0	0	0	Mud Type	Water Base			2		Run No.	2	1
Liner (in)				Sample	IN		OUT	BIT		Size (in.)	7 3/4	7 3/4
%				Time				I.50 MT		Type	7/8 3 ST.	7/8 3 ST.
Vol (gps)	0.00	0.00	0.00	Wt.				F/S		Serial No.	775-001	77304
SPM				VIS				M/S		Tool Deflection	1.5	1.5
DRILLING PARAMETERS				PV				NMDC		Avg. Diff. Press.		
ST. WT. ROT 1000's:		120		YP				S/S		Daily Drill Hrs.	0.5	16.5
P/U WT. 1000's:		165		WL				3 X 8"DC		Daily Circ. Hrs.	0	
S/O WT. 1000's:		110		CL				X/O		Daily Total Hrs:	0.5	16.5
WOB 1000's:		55		Gels				12 X 6" DC		Acc. Drill Hrs.	0.5	62.5
ROTARY RPM:		50		% Oil						Acc. Circ. Hrs.	0	2.5
MOTOR RPM:		95		% Solids						Depth In	3065	545
TOTAL Bit RPM		145	0	% Sand						Depth Out	0	3065
ROT TQ. OFF BTM:				PH						LIH Hrs.	3.5	18
ROT TQ. ON BTM:				Temp F						Acc. LIH Hrs.	3.5	73.5
Current Mag Dec:				MWD F				BHA WT		Acc. Hrs Cir/Drlg	0.5	65
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	BIT CONDITION IR	OR	DC	LOC	B/S	G/AGE	OC	RFID
1	12 1/4	REED	HP53A	HP5348	3 X 28	545	2520	62.5	3065								
2	12 1/4	HUGES	HA617G	C11765	3 X 28	3065	3087	.5									

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown	Current Operations
0:00	0.50	2552	2563	11	2.B	SLIDE F/ 2552 TO 2563	DRILLING AT 3230
0:30	5.50	2563	2765	202	2.A	ROTATE F/ 2563 TO 2765	
6:00	1.00	2765	2777	12	2.B	SLIDE F/ 2765 TO 2777	
7:00	1.50	2777	2829	52	2.A	ROTATE F/ 2777 TO 2829	
8:30	1.00	2829	2849	20	2.B	SLIDE F/ 2829 TO 2849	
9:30	7.00	2849	3065	216	2.A	ROTATE F/ 2849 TO 3065	
16:30	1.00				7	C/O BREAK OUT LINE ON TONGS	
17:30	3.00				6.A	POOH C/ OUT BIT AND MT.	
20:30	3.00				6.A	RIH	
23:30	0.50	3065	3087	22	2.B	ROTATE F/ 3065 TO 3087	
0:00	0.00						

Additional Daily Costs	
Description	Cost

Company Representative	
JIM MILLER	0
PAT WIESNER	0

Ryan Directional Representative	
BOBBY BARNES	

Ryan Rig Representative	
RON KINDELL	

24 Hour Summary			
Ftg Rot.	470	Time Rot.	14
Ftg Orient	65	Time Orient	3
Rot. ROP	33.57	Orient ROP	21.67

Report No.: 5
Date M/Y/D: 05-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company: DOMINION E & P
Field: NATRUAL BUTTES
Location: UINTAH COUNTY UT.
AFE or PO #: 0

Customer: DOMINION E & P
Well Name & No.: RBU 4-16E
Block or Section: 16, 10S, 19E
Rig Contractor & No.: PATERSON # 12

00:00 Depth: 3087
24:00 Depth: 3553

Footage Today: 466
Current Run Ftg: 488
Previous Run Ftg: 2520

Drlg Hrs Today: 21
Run Drlg Hrs: 21.5
Run Drlg Hrs: 62.5

ROP Today: 22.19
Run Avg. ROP: 22.70
Run Avg. ROP: 40.32

Last Casing Set: 545
Depth: 13 3/8

PUMP Data Total Gals/Min =			
Pump	0	0	0
Liner (in)			
%			
Vol (gps)	0.00	0.00	0.00
SPM			

DRILLING PARAMETERS		
ST. WT. ROT 1000's:	130	
P/U WT. 1000's:	185	
S/O WT. 1000's:	110	
WOB 1000's:	55	
ROTARY RPM:	50	
MOTOR RPM:	95	
TOTAL Bit RPM	145	0
ROT TQ. OFF BTM:		
ROT TQ. ON BTM:		
Current Mag Dec:		
Pulse Hight		
"G" Totals		

MUD DATA				BHA #	BHA #
Mud Type	Water Base			2	
Sample	IN		OUT	BIT	
Time				I.50 MT	
Wt.				F/S	
VIS				M/S	
PV				NMDC	
YP				S/S	
WL				3 X 8"DC	
CL				X/O	
Gels				12 X 6" DC	
% Oil					
% Solids					
% Sand					
PH					
Temp F					
MWD F				BHA WT	
GPM				BELOW JARS	
PSI					

MOTOR DATA	CURRENT	PREVIOUS
Run No.	2	1
Size (in.)	7 3/4	7 3/4
Type	7/8 3 ST.	7/8 3 ST.
Serial No.	775-001	77304
Tool Deflection	1.5	1.5
Avg. Diff. Press.		
Daily Drill Hrs.	21	16.5
Daily Circ. Hrs.	0	
Daily Total Hrs:	21	16.5
Acc. Drill Hrs.	21.5	62.5
Acc. Circ. Hrs.	0	2.5
Depth In	3065	545
Depth Out	0	3065
LIH Hrs.	24	18
Acc. LIH Hrs.	27.5	73.5
Acc. Hrs Cir/Drilg	21.5	65
Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION IR	OR	DC	LOC	BG	GAUGE	OC	REMARKS
1	12 1/4	REED	HP53A	HP5348	3 X 28	545	2520	62.5	3065								
2	12 1/4	HUGES	HA617G	C11765	3 X 28	3065	488	21.5									

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown
0:00	4.50	3087	3210	123	2.A	ROTATE F/ 3087 TO 3210
4:30	1.50	3210	3230	20	2.B	SLIDE F/ 3210 TO 3230
6:00	2.00	3230	3305	75	2.A	ROTATE F/ 3230 TO 3305
8:00	1.00	3305	3336	31	2.B	SLIDE F/ 3305 TO 3336
9:00	2.00	3336	3400	64	2.A	ROTATE F/ 3336 TO 3400
11:00	0.50	3400	3407	7	2.A	SLIDE F/ 3400 TO 3407
11:30	1.50				8	WORK ON PUMP
13:00	0.50	3407	3410	3	2.B	SLIDE F/ 3407 TO 3410
13:30	1.50				8	WORK ON PUMP
15:00	6.00	3410	3495	85	2.A	SLIDE F/ 3410 TO 3495
21:00	1.50	3495	3527	32	2.A	ROTATE F/ 3495 TO 3527
22:30	1.50	3527	3553	26	2.B	SLIDE F/ 3527 TO 3553
0:00	0.00					

Current Operations

DRILLING AT 3690

Estimated Daily Cost

Description	Cost

Estimated Daily Cost (USD)
Accumulative Cost (USD)

Company Representative

JIM MILLER	0
PAT WIESNER	0

RYAN Directional Representative

BOBBY BARNES	

RYAN Field Engineer

RON KINDELL	

Comments

Ftg Rot.	386	Time Rot.	16.5
Ftg Orient	80	Time Orient	4.5
Rot. ROP	23.39	Orient ROP	17.78

Report No.: 6
Date M/Y/D: 06-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company:	DOMINION E & P	Customer:	DOMINION E & P
Field:	NATRUAL BUTTES	Well Name & No.:	RBU 4-16E
Location:	UINTAH COUNTY UT.	Block or Section:	16, 10S, 19E
AFE or PO #:	0	Rig Contractor & No.:	PATERSON # 12

00:00 Depth:	3553	Footage Today:	395	Drlg Hrs Today:	23	ROP Today:	17.17	Last Casing Set:	545
24:00 Depth:	3948	Current Run Ftg:	883	Run Drlg Hrs:	44.5	Run Avg. ROP:	19.84	Depth:	13 3/8
		Previous Run Ftg:	2520	Run Drlg Hrs:	62.5	Run Avg. ROP:	40.32		

PUMP Data Total Gals/Min =				MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	0	0	0	Mud Type	Water Base			2		Run No.	2	1
Liner (in)				Sample	IN		OUT	BIT		Size (in.)	7 3/4	7 3/4
%				Time				I.50 MT		Type	7/8 3 ST.	7/8 3 ST.
Vol (gps)	0.00	0.00	0.00	Wt.				F/S		Serial No.	775-001	77304
SPM				VIS				M/S		Tool Deflection	1.5	1.5
DRILLING PARAMETERS				PV				NMDC		Avg. Diff. Press.		
ST. WT. ROT 1000's:		130		YP				S/S		Daily Drill Hrs.	23	16.5
P/U WT. 1000's:		185		WL				3 X 8"DC		Daily Circ. Hrs.	0	
S/O WT. 1000's:		110		CL				X/O		Daily Total Hrs:	23	16.5
WOB 1000's:		55		Gels				12 X 6" DC		Acc. Drill Hrs.	44.5	62.5
ROTARY RPM:		50		% Oil						Acc. Circ. Hrs.	0	2.5
MOTOR RPM:		95		% Solids						Depth In	3065	545
TOTAL Bit RPM		145	0	% Sand						Depth Out	0	3065
ROT TQ. OFF BTM:				PH						LIH Hrs.	24	18
ROT TQ. ON BTM:				Temp F						Acc. LIH Hrs.	51.5	73.5
Current Mag Dec:				MWD F				BHA WT		Acc. Hrs Cir/Drlg	44.5	65
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION IR	OR	DC	LOC	B/S	G/16"	OC	RPLD
1	12 1/4	REED	HP53A	HP5348	3 X 28	545	2520	62.5	3065								
2	12 1/4	HUGES	HA617G	C11765	3 X 28	3065	883	44.5									

From	Hrs.	Start Depth	End Depth	Ft.	Code	Time Breakdown
0:00	0.50	3553	3559	6	2.B	SLIDE F/ 3553 TO 3559
0:30	1.00	3559	3591	32	2.A	ROTATE F/ 3559 TO 3591
1:30	2.00	3591	3622	31	2.B	SLIDE F/ 3591 TO 3622
3:30	1.00				8	WORK ON PUMP
4:30	1.00	3622	3653	31	2.A	ROTATE F/ 3622 TO 3653
5:30	15.50	3653	3890	237	2.B	SLIDE F/ 3653 TO 3890
21:00	1.00	3890	3923	33	2.A	ROTATE F/ 3890 TO 3923
22:00	2.00	3923	3948	25	2.B	SLIDE F/ 3923 TO 3948
0:00	0.00					

Current Operations

DRLG TO 4096 POOH F/ CSG

Estimated Daily Costs

Description	Cost

Estimated Daily Cost (DHC)

Accumulated Cost (AFE)

Company Representative(s)

JIM MILLER	0
PAT WIESNER	0

RYAN Directional Representative(s)

BOBBY BARNES	

RYAN MWD Representative(s)

RON KINDELL	

24 Hour Summary

Ftg Rot.	96	Time Rot.	3
Ftg Orient	299	Time Orient	20
Rot. ROP	32.00	Orient ROP	14.95

Report No.: 7
Date M/Y/D: 07-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company:	DOMINION E & P	Customer:	DOMINION E & P
Field:	NATRUAL BUTTES	Well Name & No.:	RBU 4-16E
Location:	UINTAH COUNTY UT.	Block or Section:	16, 10S, 19E
AFE or PO #:	0	Rig Contractor & No.:	PATERSON # 12

00:00 Depth:	3948	Footage Today:	148	Drlg Hrs Today:	5.5	ROP Today:	26.91	Last Casing Set:	545
24:00 Depth:	4096	Current Run Ftg:	1031	Run Drlg Hrs:	50	Run Avg. ROP:	20.62	Depth:	13 3/8
		Previous Run Ftg:	2520	Run Drlg Hrs:	62.5	Run Avg. ROP:	40.32		

PUMP Data Total Gals/Min =				MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	0	0	0	Mud Type	Water Base			2		Run No.	2	1
Liner (in)				Sample	IN		OUT	BIT		Size (in.)	7 3/4	7 3/4
%				Time				I.50 MT		Type	7/8 3 ST.	7/8 3 ST.
Vol (gps)	0.00	0.00	0.00	Wt.				F/S		Serial No.	775-001	77304
SPM				VIS				M/S		Tool Deflection	1.5	1.5
DRILLING PARAMETERS				PV				NMDC		Avg. Diff. Press.		
ST. WT. ROT 1000's:		130		YP				S/S		Daily Drill Hrs.	5.5	16.5
P/U WT. 1000's:		185		WL				3 X 8"DC		Daily Circ. Hrs.	1	
S/O WT. 1000's:		110		CL				X/O		Daily Total Hrs:	6.5	16.5
WOB 1000's:		55		Gels				12 X 6" DC		Acc. Drill Hrs.	50	62.5
ROTARY RPM:		50		% Oil						Acc. Circ. Hrs.	1	2.5
MOTOR RPM:		95		% Solids						Depth In	3065	545
TOTAL Bit RPM		145	0	% Sand						Depth Out	4096	3065
ROT TQ. OFF BTM:				PH						LIH Hrs.	10.5	18
ROT TQ. ON BTM:				Temp F						Acc. LIH Hrs.	62	73.5
Current Mag Dec:				MWD F				BHA WT		Acc. Hrs Cir/Drlg	51	65
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION IR	OR	DC	LOC	BS	GAUG	OC	RFD
1	12 1/4	REED	HP53A	HP5348	3 X 28	545	2520	62.5	3065								
2	12 1/4	HUGES	HA617G	C11765	3 X 28	3065	1031	50	4096								

From	Hrs.	Start Depth	End Depth	GL	Code	Time Breakdown
0:00	2.00	3948	4001	53	2.B	SLIDE F/ 3948 TO 4001
2:00	3.50	4001	4096	95	2.A	ROTATE F/ 4001 TO 4096
5:30	1.00				5.A	CIRC
6:30	4.00				6.A	POOH L/D DIR BHA
10:30	10.00				12	R/U RUN 9 5/8 CSG. CEMENT SAME
20:30	3.50				15.A	R/U TEST BOP,S
0:00	0.00					

Current Operations

N/U TEST BOP,S

Estimated Daily Costs

Description	Cost

Cumulative Costs (Ft)

JIM MILLER	0
PAT WIESNER	0

RYAN Directional Personnel (Ft)

BOBBY BARNES	

RYAN MWD Personnel (Ft)

RON KINDELL	

24 Hour Summary

Ftg Rot.	95	Time Rot.	3.5
Ftg Orient	53	Time Orient	2
Rot. ROP	27.14	Orient ROP	26.50

Report No.: 8
Date M/Y/D: 08-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company: DOMINION E & P
Field: NATRUAL BUTTES
Location: UINTAH COUNTY UT.
AFE or PO #: 0

Customer: DOMINION E & P
Well Name & No.: RBU 4-16E
Block or Section: 16, 10S, 19E
Rig Contractor & No.: PATERSON # 12

00:00 Depth: 4096
24:00 Depth: 5061

Footage Today: 965
Current Run Ftg: 965
Previous Run Ftg: 1031

Drlg Hrs Today: 10
Run Drlg Hrs: 10
Run Drlg Hrs: 50

ROP Today: 96.50
Run Avg. ROP: 96.50
Run Avg. ROP: 20.62

Last Casing Set: 545
Depth: 13 3/8

PUMP Data Total Gals/Min =			
Pump	0	0	0
Liner (in)			
%			
Vol (gps)	0.00	0.00	0.00
SPM			

DRILLING PARAMETERS		
ST. WT. ROT 1000's:	130	
P/U WT. 1000's:	185	
S/O WT. 1000's:	110	
WOB 1000's:	55	
ROTARY RPM:	50	
MOTOR RPM:	95	
TOTAL Bit RPM	145	0
ROT TQ. OFF BTM:		
ROT TQ. ON BTM:		
Current Mag Dec:		
Pulse Hight		
"G" Totals		

MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Mud Type	Water Base			3		Run No.	2	1
Sample	IN		OUT	BIT		Size (in.)	7 3/4	7 3/4
Time				D/S		Type	7/8 3 ST.	7/8 3 ST.
Wt.				MT		Serial No.	775-001	77304
VIS				STAB		Tool Deflection	1.5	1.5
PV				NMDC		Avg. Diff. Press.		
YP				STAB		Daily Drill Hrs.	5.5	16.5
WL				3 X 6"DC		Daily Circ. Hrs.	1	
CL				21 HWDP		Daily Total Hrs:	6.5	16.5
Gels						Acc. Drill Hrs.	50	62.5
% Oil						Acc. Circ. Hrs.	1	2.5
% Solids						Depth In	3065	545
% Sand						Depth Out	4096	3065
PH						LIH Hrs.	10.5	18
Temp F						Acc. LIH Hrs.	62	73.5
MWD F				BHA WT		Acc. Hrs Cir/Drilg	51	65
GPM				BELOW JARS				
PSI						Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	BIT DULL CONDITION IR	OR	DC	LOC	BS	DMF	OC	RFD
3	7 7/7	SMITH	M619	7146	6 X 16	4096	965	10.0									
2	12 1/4	HUGES	HA617G	C11765	3 X 28	3065	1031	50	4096								

From	Hrs.	Start Depth	End Depth	Ft.	Code	Time Breakdown
0:00	7.50				15.A	TEST BOP,S
7:30	0.50				6.A	M/U BHA RIH
8:00	1.50				7	SLIPE AND CUT DRILL LINE
9:30	2.50				6.A	RIH
12:00	1.50				O	DRLG CEMENT AND SHOE, + 10 FT. RUN FIT
13:30	5.00	4106	4680	574	2.A	ROTATE F/ 4106 TO 4680
18:30	0.50				10	SUVERY
19:00	5.00	4680	5061	381	2.B	ROTATE F/ 4860 T0 5061
0:00	0.00					

Current Operations

RUN SURVEY, DRILLING AT 5757

Estimated Daily Cost (Dollars)

Description	Cost

Estimated Daily Cost (Dollars)

Accumulated Cost (Dollars)

Company Representative

JIM MILLER	0
PAT WIESNER	0

RYAN Directional Representative

BOBBY BARNES	

RYAN MWD Representative

RON KINDELL	

24 Hour Summary

Ftg Rot.	574	Time Rot.	5
Ftg Orient	381	Time Orient	5
Rot. ROP	114.80	Orient ROP	76.20

Report No.: 9
Date M/Y/D: 09-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company:	DOMINION E & P	Customer:	DOMINION E & P
Field:	NATRUAL BUTTES	Well Name & No.:	RBU 4-16E
Location:	UINTAH COUNTY UT.	Block or Section:	16, 10S, 19E
AFE or PO #:	0	Rig Contractor & No.:	PATERSON # 12

00:00 Depth:	5061	Footage Today:	2094	Drlg Hrs Today:	22	ROP Today:	95.18	Last Casing Set:	9 5/8
24:00 Depth:	7155	Current Run Ftg:	3059	Run Drlg Hrs:	32	Run Avg. ROP:	95.59	Depth:	4096
		Previous Run Ftg:	1031	Run Drlg Hrs:	50	Run Avg. ROP:	20.62		

PUMP Data Total Gals/Min =				MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	0	0	0	Mud Type	Water Base			3		Run No.	2	1
Liner (in)				Sample	IN		OUT	BIT		Size (in.)	7 3/4	7 3/4
%				Time				D/S		Type	7/8 3 ST.	7/8 3 ST.
Vol (gps)	0.00	0.00	0.00	Wt.				MT		Serial No.	775-001	77304
SPM				VIS				STAB		Tool Deflection	1.5	1.5
DRILLING PARAMETERS				PV				NMDC		Avg. Diff. Press.		
ST. WT. ROT 1000's:		150		YP				STAB		Daily Drill Hrs.	5.5	16.5
P/U WT. 1000's:		235		WL				3 X 6"DC		Daily Circ. Hrs.	1	
S/O WT. 1000's:		110		CL				21 HWDP		Daily Total Hrs:	6.5	16.5
WOB 1000's:		55		Gels						Acc. Drill Hrs.	50	62.5
ROTARY RPM:		50		% Oil						Acc. Circ. Hrs.	1	2.5
MOTOR RPM:		95		% Solids						Depth In	3065	545
TOTAL Bit RPM		145	0	% Sand						Depth Out	4096	3065
ROT TQ. OFF BTM:				PH						LIH Hrs.	10.5	18
ROT TQ. ON BTM:				Temp F						Acc. LIH Hrs.	62	73.5
Current Mag Dec:				MWD F				BHA WT		Acc. Hrs Cir/Drlg	51	65
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION IR	OR	DC	LOC	BS	GAUGE	OC	BRLD
3	7 7/7	SMITH	M619	7146	6 X 16	4096	3059	32.0									
2	12 1/4	HUGES	HA617G	C11765	3 X 28	3065	1031	50	4096								

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown
0:00	6.00	5061	5757	696	2.A	ROTATE F/ 5061 TO 5757
6:00	1.00				10	SURVEY
7:00	11.50	5757	6834	1077	2.A	ROTATE F/ 5757 TO 6834
18:30	1.00				10	SURVEY
19:30	4.50	6834	7155	321	2.A	ROTATE F/ 6834 TO 7155
0:00	0.00					

Current Operations

RUN SURVEY, DRILLING AT 7700

Estimated Daily Costs

Description	Cost

Estimated Daily Cost (USD)

Accumulated Costs

Daily Personnel (#)

JIM MILLER	0
PAT WIESNER	0

RYAN Directional Personnel (#)

BOBBY BARNES	

RYAN MWD Personnel (#)

24 Hour Summary

Ftg Rot.	2094	Time Rot.	22
Ftg Orient	0	Time Orient	0
Rot. ROP	95.18	Orient ROP	#DIV/0!

Report No.: 10
Date M/Y/D: 10-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company: DOMINION E & P
Field: NATRUAL BUTTES
Location: UINTAH COUNTY UT.
AFE or PO #: 0

Customer: DOMINION E & P
Well Name & No.: RBU 4-16E
Block or Section: 16, 10S, 19E
Rig Contractor & No.: PATERSON # 12

00:00 Depth: 7155
24:00 Depth: 8780

Footage Today: 1625
Current Run Ftg: 4684
Previous Run Ftg: 1031

Drlg Hrs Today: 23
Run Drlg Hrs: 55
Run Drlg Hrs: 50

ROP Today: 70.65
Run Avg. ROP: 85.16
Run Avg. ROP: 20.62

Last Casing Set: 9 5/8
Depth: 4096

PUMP Data Total Gals/Min =			
Pump	0	0	0
Liner (in)			
%			
Vol (gps)	0.00	0.00	0.00
SPM			

DRILLING PARAMETERS		
ST. WT. ROT 1000's:	150	
P/U WT. 1000's:	245	
S/O WT. 1000's:	110	
WOB 1000's:	55	
ROTARY RPM:	50	
MOTOR RPM:	95	
TOTAL Bit RPM	145	0
ROT TQ. OFF BTM:		
ROT TQ. ON BTM:		
Current Mag Dec:		
Pulse Hight		
"G" Totals		

MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Mud Type	Water Base			3		Run No.	2	1
Sample	IN		OUT	BIT		Size (in.)	7 3/4	7 3/4
Time				D/S		Type	7/8 3 ST.	7/8 3 ST.
Wt.				MT		Serial No.	775-001	77304
VIS				STAB		Tool Deflection	1.5	1.5
PV				NMDC		Avg. Diff. Press.		
YP				STAB		Daily Drill Hrs.	5.5	16.5
WL				3 X 6"DC		Daily Circ. Hrs.	1	
CL				21 HWDP		Daily Total Hrs:	6.5	16.5
Gels						Acc. Drill Hrs.	50	62.5
% Oil						Acc. Circ. Hrs.	1	2.5
% Solids						Depth In	3065	545
% Sand						Depth Out	4096	3065
PH						LIH Hrs.	10.5	18
Temp F						Acc. LIH Hrs.	62	73.5
MWD F				BHA WT		Acc. Hrs Cir/Drilg	51	65
GPM				BELOW JARS				
PSI						Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION IR	OR	DC	LOC	BS	GAUGE	OC	REASON
3	7 7/7	SMITH	M619	7146	6 X 16	4096	4684	55.0									
2	12 1/4	HUGES	HA617G	C11765	3 X 28	3065	1031	50	4096								

From	Hrs.	Start Depth	End Depth	Cu.	Code	Time Breakdown
0:00	5.00	7155	7692	537	2.A	ROTATE F/ 7155 TO 7692
5:00	1.00				10	SURVEY
6:00	18.00	7692	8780	1088	2.A	ROTATE F/ 7692 TO 8780
0:00	0.00					

Current Operations

DRILL TO 8919, WORKING ON DRAWWORKS

Estimated Daily Cost

Description	Cost

Estimated Daily Cost (USD)
Accumulated Cost (USD)

Company Representative (s)

JIM MILLER	0
PAT WIESNER	0

RYAN Operations Representative (s)

BOBBY BARNES	

RYAN MWD Representative (s)

Drilling Parameters

Ftg Rot.	1625	Time Rot.	23
Ftg Orient	0	Time Orient	0
Rot. ROP	70.65	Orient ROP	#DIV/0!

Report No.: 11
Date M/Y/D: 11-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company: DOMINION E & P
Field: NATRUAL BUTTES
Location: UINTAH COUNTY UT.
AFE or PO #: 0

Customer: DOMINION E & P
Well Name & No.: RBU 4-16E
Block or Section: 16, 10S, 19E
Rig Contractor & No.: PATERSON # 12

00:00 Depth: 8780
24:00 Depth: 9050

Footage Today: 270
Current Run Ftg: 150
Previous Run Ftg: 4804

Drlg Hrs Today: 8.5
Run Drlg Hrs: 3
Run Drlg Hrs: 60

ROP Today: 31.76
Run Avg. ROP: 50.00
Run Avg. ROP: 80.07

Last Casing Set: 9 5/8
Depth: 4096

PUMP Data Total Gals/Min =				MUD DATA				BHA #	BHA #	MOTOR DATA		
Pump	0	0	0	Mud Type	Water Base			3		Run No.	2	1
Liner (in)				Sample	IN		OUT	BIT		Size (in.)	7 3/4	7 3/4
%				Time				D/S		Type	7/8 3 ST.	7/8 3 ST.
Vol (gps)	0.00	0.00	0.00	Wt.				MT		Serial No.	775-001	77304
SPM				VIS				STAB		Tool Deflection	1.5	1.5
DRILLING PARAMETERS				PV				NMDC		Avg. Diff. Press.		
ST. WT. ROT 1000's:		160		YP				STAB		Daily Drill Hrs.	5.5	16.5
P/U WT. 1000's:		265		WL				3 X 6"DC		Daily Circ. Hrs.	1	
S/O WT. 1000's:		110		CL				21 HWDP		Daily Total Hrs:	6.5	16.5
WOB 1000's:		55		Gels						Acc. Drill Hrs.	50	62.5
ROTARY RPM:		50		% Oil						Acc. Circ. Hrs.	1	2.5
MOTOR RPM:		95		% Solids						Depth In	3065	545
TOTAL Bit RPM		145	0	% Sand						Depth Out	4096	3065
ROT TQ. OFF BTM:				PH						LIH Hrs.	10.5	18
ROT TQ. ON BTM:				Temp F						Acc. LIH Hrs.	62	73.5
Current Mag Dec:				MWD F				BHA WT		Acc. Hrs Cir/Drilg	51	65
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION IR	OR	DC	LOC	B/S	G/Ø	OC	BRD
3	7 7/7	SMITH	M619	7146	6 X 16	4096	4804	60.0	8900								
4	7 7/8	SMITH	M619		6 X 16	8900	150	3.5									

From	Hrs.	Start Depth	End Depth	GL	Code	Time Breakdown
0:00	5.00	8780	8900	120	2.A	ROTATE F/ 8780 TO 8900
5:00	4.00				8	CHANGE OUT HIGH CLUTCH ON DRAWWORKS
9:00	10.00				6.A	BIT TRIP
19:00	1.50				3.A	REAM F/ 8825 TO 8900
20:30	3.50	8900	9050	150	2.A	ROTATE F/ 8900 TO 9050
0:00	0.00					

Current Operations

DRILL TO 9122 T.D. POOH F/ LOGS

Estimated Daily Costs

Description	Cost

Estimated Daily Cost Total

Accumulated Cost Total

Company Representative

JIM MILLER	0
PAT WIESNER	0

RYAN Directional Representative

BOBBY BARNES	

RYAN MWD Representative

24 Hour Summary

Ftg Rot.	270	Time Rot.	8.5
Ftg Orient	0	Time Orient	0
Rot. ROP	31.76	Orient ROP	#DIV/0!

Report No.: 12
Date M/Y/D: 12-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company:	DOMINION E & P	Customer:	DOMINION E & P
Field:	NATRUAL BUTTES	Well Name & No.:	RBU 4-16E
Location:	UINTAH COUNTY UT.	Block or Section:	16, 10S, 19E
AFE or PO #:	0	Rig Contractor & No.:	PATERSON # 12

00:00 Depth:	9050	Footage Today:	72	Drlg Hrs Today:	2.5	ROP Today:	28.80	Last Casing Set:	9 5/8
24:00 Depth:	9122	Current Run Ftg:	212	Run Drlg Hrs:	5.5	Run Avg. ROP:	38.55	Depth:	4096
		Previous Run Ftg:	4804	Run Drlg Hrs:	60	Run Avg. ROP:	80.07		

PUMP Data Total Gals/Min =				MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	0	0	0	Mud Type	Water Base			3		Run No.	2	1
Liner (in)				Sample	IN		OUT	BIT		Size (in.)	7 3/4	7 3/4
%				Time				D/S		Type	7/8 3 ST.	7/8 3 ST.
Vol (gps)	0.00	0.00	0.00	Wt.				MT		Serial No.	775-001	77304
SPM				VIS				STAB		Tool Deflection	1.5	1.5
DRILLING PARAMETERS				PV				NMDC		Avg. Diff. Press.		
ST. WT. ROT 1000's:		160		YP				STAB		Daily Drill Hrs.	5.5	16.5
P/U WT. 1000's:		265		WL				3 X 6"DC		Daily Circ. Hrs.	1	
S/O WT. 1000's:		110		CL				21 HWDP		Daily Total Hrs:	6.5	16.5
WOB 1000's:		55		Gels						Acc. Drill Hrs.	50	62.5
ROTARY RPM:		50		% Oil						Acc. Circ. Hrs.	1	2.5
MOTOR RPM:		95		% Solids						Depth In	3065	545
TOTAL Bit RPM		145	0	% Sand						Depth Out	4096	3065
ROT TQ. OFF BTM:				PH						LIH Hrs.	10.5	18
ROT TQ. ON BTM:				Temp F						Acc. LIH Hrs.	62	73.5
Current Mag Dec:				MWD F				BHA WT		Acc. Hrs Cir/Drlg	51	65
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Curr. Footage	Curr. Hrs.	Depth Out	DULL CONDITION IR	OR	DC	LOC	B/S	G/G	OC	RFD
3	7 7/7	SMITH	M619	7146	6 X 16	4096	4804	60.0	8900								
4	7 7/8	SMITH	M619		6 X 16	8900	212	5.5	9112								

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown	Current Operations
0:00	1.00	9050	9108	58	2.A	ROTATE F/ 9050 TO 9112	DRILL TO 9122 T.D. POOH F/ LOGS
1:00	4.00				6.A	POOH	CHANGE DEPTH 9108
5:00	2.00				8	WORK ON DRAWWORKS	
7:00	3.00				6.A	POOH	
10:00	6.00				11	R/U AND LOG	
16:00	3.50				6.A	RIH	
19:30	2.50				7	SLIPE CUT DRILL LINE	
22:00	0.50				6.A	RIH	
22:30	1.50	9108	9122	14	2.A	ROTATE F/ 9108 TO 9122	
0:00	0.00						

Estimated Daily Charges	
Description	Cost
Estimated Daily Cost (Cum)	
Accumulated Cost (Cum)	
Company Representative	
JIM MILLER	0
PAT WIESNER	0
RYAN Directional Representative	
BOBBY BARNES	
RYAN MWD Representative	
24 Hour Summary	

Ftg Rot.	72	Time Rot.	2.5
Ftg Orient	0	Time Orient	0
Rot. ROP	28.80	Orient ROP	#DIV/0!

Report No.: 13
Date M/Y/D: 13-Jul-06

Ryan The leader in UNDERGROUND INTELLIGENCE™

Ryan Job # 1862

DAILY DRILLING REPORT

Oil Company: DOMINION E & P
Field: NATRUAL BUTTES
Location: UINTAH COUNTY UT.
AFE or PO #: 0

Customer: DOMINION E & P
Well Name & No.: RBU 4-16E
Block or Section: 16, 10S, 19E
Rig Contractor & No.: PATERSON # 12

00:00 Depth: 9112
24:00 Depth: 9112

Footage Today: 0
Current Run Ftg: 212
Previous Run Ftg: 4804

Drlg Hrs Today: 0
Run Drlg Hrs: 5.5
Run Drlg Hrs: 60

ROP Today: #DIV/0!
Run Avg. ROP: 38.55
Run Avg. ROP: 80.07

Last Casing Set: 9 5/8
Depth: 4096

PUMP Data Total Gals/Min =			
Pump	0	0	0
Liner (in)			
%			
Vol (gps)	0.00	0.00	0.00
SPM			

DRILLING PARAMETERS		
ST. WT. ROT 1000's:	160	
P/U WT. 1000's:	265	
S/O WT. 1000's:	110	
WOB 1000's:	55	
ROTARY RPM:	50	
MOTOR RPM:	95	
TOTAL Bit RPM	145	0
ROT TQ. OFF BTM:		
ROT TQ. ON BTM:		
Current Mag Dec:		
Pulse Hight		
"G" Totals		

MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Mud Type	Water Base			3		Run No.	2	1
Sample	IN		OUT	BIT		Size (in.)	7 3/4	7 3/4
Time				D/S		Type	7/8 3 ST.	7/8 3 ST.
Wt.				MT		Serial No.	775-001	77304
VIS				STAB		Tool Deflection	1.5	1.5
PV				NMDC		Avg. Diff. Press.		
YP				STAB		Daily Drill Hrs.	5.5	16.5
WL				3 X 6"DC		Daily Circ. Hrs.	1	
CL				21 HWDP		Daily Total Hrs:	6.5	16.5
Gels						Acc. Drill Hrs.	50	62.5
% Oil						Acc. Circ. Hrs.	1	2.5
% Solids						Depth In	3065	545
% Sand						Depth Out	4096	3065
PH						LIH Hrs.	10.5	18
Temp F						Acc. LIH Hrs.	62	73.5
MWD F				BHA WT		Acc. Hrs Cir/Drlg	51	65
GPM				BELOW JARS				
PSI						Jar # HRS		

BIT DATA

Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION IR	OR	DC	LOC	BS	GR	OC	REM
3	7 7/7	SMITH	M619	7146	6 X 16	4096	4804	60.0	8900								
4	7 7/8	SMITH	M619		6 X 16	8900	212	5.5	9112								

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown
0:00	0.00					POOH L/D DRILLPIPE
						RUN CSG. END OFF WELL

Current Operations

Estimated Daily Field Costs

Description	Cost

Estimated Daily Field Costs

Additional Comments

Contractor Personnel

JIM MILLER	0
PAT WIESNER	0

RYAN Directional Personnel

BOBBY BARNES	

RYAN MWD Personnel

24 Hour Drilling Summary

Ftg Rot.	0	Time Rot.	0
Ftg Orient	0	Time Orient	0
Rot. ROP	#DIV/0!	Orient ROP	#DIV/0!

Ryan The leader in UNDERGROUND INTELLIGENCE™

BHA REPOTS

Prepared for:

RBU 4-16E

Dominion Exploration & Production

on

Section 16, 10S, 19E

Uintah County, Utah

19510 Oil Center Blvd., Houston, TX 77073 Phone 281.443.1414 Fax 281.443.1676 Web www.ryanenergy.com

BHA 1

Ryan The leader in UNDERGROUND INTELLIGENCE™

BOTTOM HOLE ASSEMBLY # 1

WELL INFORMATION	
OIL COMPANY	DOMINION E & P
RIG #:	PATERSON # 12
LOCATION	UINTAH COUNTY UT.
WELL	RBU 4-16E
JOB NUMBER	1862
DIRECTIONAL SUPERVISOR	BOBBY BARNES
CUSTOMER OFFICE CONTACT	PAT McCOLLOM
CUSTOMER WELLSITE SUPERVISOR	PAT WIESNER

DIRECTIONAL RESPONSE	IN	OUT	CHANGE RATE
DATE	JULY 1,2006	JULY 4,2006	
DEPTH (MD)	545	3065	
DEPTH (TVD)	545	2856	
INCLINATION	0	24	
AZIMUTH	303	300	
SLIDE PERCENT			
MUD-WT.-TYPE			

BIT INFO.	
SIZE	12 1/4
TYPE	HP53A
JETS	3 X 28
SER #	HP5348
FEET	2520
HOURS	62.5
ROP	40.32
DULL	

OBJECTIVE:

COMMENTS: POOH BIT WORE OUT C/O BIT AND MT.

ITEM #	TOOL	COMPANY	SER. #	CONN. UP	CONN. DOWN	O.D.	I.D.	FISH NECK	BLADE O.D.	LENGTH	SUBTOTAL
1	BIT			6 5/8 R		12 1/4				1.00	1.00
2	1 1/2 MT	RYAN	77304	6 5/8 R	6 5/8 R	7 3/4				27.22	28.22
3	F/S	RYAN	170	6 5/8 R	6 5/8 R	7 5/16				1.68	29.90
4	M/S	RYAN	8296	6 5/8 R	6 5/8 R	7 3/8				3.35	33.25
5	NMDC	RYAN	1928	6 5/8 R	6 5/8 R	7 11/16	2 5/16			29.18	62.43
6	S/S	SPIDEL		6 5/8 R	6 5/8 R	8	3			10.18	72.61
7	3 X 8" DC	RIG		6 5/8 R	6 5/8 R	7 13/16	2 3/8			90.81	163.42
8	X/O	RYAN	4076	4 1/2 XH	6 5/8 R	7 3/8	3 1/2			1.12	164.54
9	12 X 6" DC	RIG		4 1/2 XH	4 1/2 XH	6 1/8	2 1/2			364.15	528.69
	Bit To Survey : 46'										
	BIT TO BENT HOUSEING: 8.47										
	Revolutions / Gallon : 0.19										
										TOTAL	528.69

BHA 2

Ryan The leader in UNDERGROUND INTELLIGENCE™

BOTTOM HOLE ASSEMBLY **# 2**

WELL INFORMATION		DIRECTIONAL RESPONSE				BIT INFO	
OIL COMPANY	DOMINION E & P		IN	OUT	CHANGE RATE	SIZE	12 1/4
RIG #:	PATERSON # 12	DATE	JULY 4,2006	JULY 7,2006		TYPE	HA617G
LOCATION	UINTAH COUNTY UT.	DEPTH (MD)	3065	4096		JETS	3 X 28
WELL	RBU 4-16E	DEPTH (TVD)	2856	3830		SER #	C11765
JOB NUMBER	1862	INCLINATION	24	1.4		FEET	1031
DIRECTIONAL SUPERVISOR	BOBBY BARNES	AZIMUTH	300	333		HOURS	50
CUSTOMER OFFICE CONTACT	PAT McCOLLOM	SLIDE PERCENT				ROP	20.62
CUSTOMER WELLSITE SUPERVISOR	PAT WIESNER	MUD-WT.-TYPE				DULL	

OBJECTIVE:

COMMENTS: POOH TO RUN 9 5/8 CSG

ITEM #	TOOL	COMPANY	SER. #	CONN. UP	CONN. DOWN	O.D.	I.D.	FISH NECK	BLADE O.D.	LENGTH	SUBTOTAL
1	BIT	HUGES	C11765	6 5/8 R		12 1/4				1.00	1.00
2	1 1/2 MT	RYAN	775-001	6 5/8 R	6 5/8 R	7 3/4				27.22	28.22
3	F/S	RYAN	170	6 5/8 R	6 5/8 R	7 5/16				1.68	29.90
4	M/S	RYAN	8296	6 5/8 R	6 5/8 R	7 3/8				3.35	33.25
5	NMDC	RYAN	1928	6 5/8 R	6 5/8 R	7 11/16	2 5/16			29.18	62.43
6	S/S	SPIDEL		6 5/8 R	6 5/8 R	8	3			10.18	72.61
7	3 X 8" DC	RIG		6 5/8 R	6 5/8 R	7 13/16	2 3/8			90.81	163.42
8	X/O	RYAN	4076	4 1/2 XH	6 5/8 R	7 3/8	3 1/2			1.12	164.54
9	12 X 6" DC	RIG		4 1/2 XH	4 1/2 XH	6 1/8	2 1/2			364.15	528.69
	Bit To Survey : 46'										
	BIT TO BENT HOUSEING: 8.47										
	Revolutions / Gallon : 0.19										
										TOTAL	528.69

BHA 3

Ryan The leader in UNDERGROUND INTELLIGENCE™

BOTTOM HOLE ASSEMBLY **# 3**

WELL INFORMATION		DIRECTIONAL RESPONSE				BIT INFO.	
OIL COMPANY	DOMINION E & P		IN	OUT	CHANGE RATE	SIZE	7 7/8
RIG #:	PATERSON # 12	DATE	JULY 8,2006	JULY 11,2006		TYPE	M619
LOCATION	UINTAH COUNTY UT.	DEPTH (MD)	4096	8900		JETS	6 X 16
WELL	RBU 4-16E	DEPTH (TVD)	3830	8631		SER #	7146
JOB NUMBER	1862	INCLINATION	1.4	1.5		FEET	4804
DIRECTIONAL SUPERVISOR	BOBBY BARNES	AZIMUTH	333	192		HOURS	60
CUSTOMER OFFICE CONTACT	PAT McCOLLOM	SLIDE PERCENT				ROP	80.07
CUSTOMER WELLSITE SUPERVISOR	PAT WIESNER	MUD-WT.-TYPE				DULL	

OBJECTIVE:

COMMENTS:

ITEM #	TOOL	COMPANY	SER. #	CONN. UP	CONN. DOWN	O.D.	I.D.	FISH NECK	BLADE O.D.	LENGTH	SUBTOTAL
1	BIT	SMITH	7146	4 1/2 R						1.00	1.00
2	D/S	RIG		4 1/2 XH	4 1/2 R					1.00	2.00
3	MT	SMITH		4 1/2 XH	4 1/2 XH					33.15	35.15
4	STAB	RIG		4 1/2 XH	4 1/2 XH					4.44	39.59
5	NMDC	RYAN	2093	4 1/2 XH	4 1/2 XH					26.75	66.34
6	STAB	RIG		4 1/2 XH	4 1/2 XH					4.54	70.88
7	3 X 6" DC	RIG		4 1/2 XH	4 1/2 XH					90.68	161.56
8	21 HWDP	RIG		4 1/2 XH	4 1/2 XH					641.22	802.78
	Bit To Survey : 46'										
	BIT TO BENT HOUSEING:										
	Revolutions / Gallon : 0.19										
										TOTAL	802.78

Bha 4

Ryan The leader in UNDERGROUND INTELLIGENCE™

BOTTOM HOLE ASSEMBLY # 4

WELL INFORMATION	
OIL COMPANY	DOMINION E & P
RIG #:	PATERSON # 12
LOCATION	UINTAH COUNTY UT.
WELL	RBU 4-16E
JOB NUMBER	1862
DIRECTIONAL SUPERVISOR	BOBBY BARNES
CUSTOMER OFFICE CONTACT	PAT McCOLLOM
CUSTOMER WELLSITE SUPERVISOR	PAT WIESNER

DIRECTIONAL RESPONSE	IN	OUT	CHANGE RATE
DATE	JULY 11,2006	JULY 12,2006	
DEPTH (MD)	8900	9122	
DEPTH (TVD)	8631	8848	
INCLINATION	1.5	1.5	
AZIMUTH	192	192	
SLIDE PERCENT			
MUD-WT.-TYPE			

BIT INFO.	
SIZE	7 7/8
TYPE	M619
JETS	6 X 16
SER #	7186
FEET	212
HOURS	5.5
ROP	38.55
DULL	

OBJECTIVE:

COMMENTS:

ITEM #	TOOL	COMPANY	SER. #	CONN. UP	CONN. DOWN	O.D.	I.D.	FISH NECK	BLADE O.D.	LENGTH	SUBTOTAL
1	BIT	SMITH	7146	4 1/2 R						1.00	1.00
2	D/S	RIG		4 1/2 XH	4 1/2 R					1.00	2.00
3	MT	SMITH		4 1/2 XH	4 1/2 XH					33.15	35.15
4	STAB	RIG		4 1/2 XH	4 1/2 XH					4.44	39.59
5	NMDC	RYAN	2093	4 1/2 XH	4 1/2 XH					26.75	66.34
6	STAB	RIG		4 1/2 XH	4 1/2 XH					4.54	70.88
7	3 X 6" DC	RIG		4 1/2 XH	4 1/2 XH					90.68	161.56
8	21 HWDP	RIG		4 1/2 XH	4 1/2 XH					641.22	802.78
	Bit To Survey : 46'										
	BIT TO BENT HOUSEING:										
	Revolutions / Gallon : 0.19										
										TOTAL	802.78

Ryan The leader in UNDERGROUND INTELLIGENCE™

MOTOR RUN REPOTS

Prepared for:

RBU 4-16E

Dominion Exploration & Production

on

Section 16, 10S, 19E

Uintah County, Utah

19510 Oil Center Blvd., Houston, TX 77073 Phone 281.443.1414 Fax 281.443.1676 Web www.ryanenergy.com

Ryan The leader in UNDERGROUND INTELLIGENCE™

Motor Run Report

General Information:	
Ryan Job #:	1862
Customer:	DOMINION E & P
Location:	UINTAH COUNTY UT.
Lease:	16, 10S, 19E
Well Name & Number:	RBU 4-16E
Rig Name & Number:	PATERSON # 12
Directional Driller ('s):	

In the Event Of an Incident:	
Date of Incident:	
Date Notified Office:	
Person Notified:	

Incident Comments:

Motor Information:	
Motor Serial #:	77304
Motor Size (OD):	7 3/4
Motor Company:	RYAN
Motor Stabilizer Size:	11 3/4
Degree Bent Housing:	1.5
Rotor / Stator Conf.:	7/8 3 ST.
Depth In:	545
Depth Out:	3065
Footage:	2520
Drilg Hours:	62.5
Circulating Hours:	2.5
Total Hours	65
Hours Below Rotary Table (LIH)	73.5
Motor yield	

Bit Information:	
Bit Size:	12 1/4
Bit Type:	HP53A
Bit Manufacture:	REED
Serial #	HP5348
Jets / TFA:	3 X 28

Start of Run: Date	JULY 1,2006
GPM"S:	570
Standpipe Press / Off Bottom:	1100
Standpipe Press / On Bottom:	1250
Weight on Bit Avg :	40
End Of Run: Date	JULY 4,2006
GPM"S:	570
Standpipe Press / Off Bottom:	1400
Standpipe Press / On Bottom:	1750
Weight on Bit Avg :	55

Mud Information: End of Run:	
Mud Type:OBS/WBM	WATER
Mud Weight:	
Viscosity:	
Plastic Vis	
Yield Point:	
Sand %:	
Solids %:	
LCM (yes or no):	
% LCM per/BBL:	
Static Temp:	
Circulating Temp:	
OBM Aniline Point	

Comments:

Ryan The leader in UNDERGROUND INTELLIGENCE™

Motor Run Report

General Information:	
Ryan Job #:	1862
Customer:	DOMINION E & P
Location:	UINTAH COUNTY UT.
Lease:	16, 10S, 19E
Well Name & Number:	RBU 4-16E
Rig Name & Number:	PATERSON # 12
Directional Driller ('s):	

In the Event Of an Incident:	
Date of Incident:	
Date Notified Office:	
Person Notified:	

Incident Comments:

Motor Information:	
Motor Serial #:	775-001
Motor Size (OD):	7 3/4
Motor Company:	RYAN
Motor Stabilizer Size:	11 3/4
Degree Bent Housing:	1.5
Rotor / Stator Conf.:	7/8 3 ST.
Depth In:	3065
Depth Out:	4096
Footage:	1031
Drilg Hours:	50
Circulating Hours:	1
Total Hours	51
Hours Below Rotary Table (LIH)	73.5
Motor yield	

Bit Information:	
Bit Size:	12 1/4
Bit Type:	HA617G
Bit Manufacture:	HUGES
Serial #	C11765
Jets / TFA:	3 X 28

Start of Run: Date	JULY 4,2006
GPM"S:	570
Standpipe Press / Off Bottom:	1150
Standpipe Press / On Bottom:	1450
Weight on Bit Avg :	55
End Of Run: Date	July 7, 2006
GPM"S:	570
Standpipe Press / Off Bottom:	1450
Standpipe Press / On Bottom:	1800
Weight on Bit Avg :	60

Mud Information End of Run:	
Mud Type:OBS/WBM	WATER
Mud Weight:	
Viscosity:	
Plastic Vis	
Yield Point:	
Sand %:	
Solids %:	
LCM (yes or no):	
% LCM per/BBL:	
Static Temp:	
Circulating Temp:	
OBM Aniline Point	

Comments

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**

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

CA No. **Unit:** **RIVER BEND**

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

4a. Is the new operator registered in the State of Utah: _____ Business Number: 5655506-0143

4b. If **NO**, the operator was contacted contacted on:

5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: ok

6. **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
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: _____
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: _____
9. **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:

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

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000138
2. Indian well(s) covered by Bond Number: n/a

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762

3b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008

The Division sent response by letter on:

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____

8. WELL NAME and NUMBER: SEE ATTACHED

2. NAME OF OPERATOR: XTO Energy Inc. N2615

9. API NUMBER: SEE ATTACHED

3. ADDRESS OF OPERATOR: 810 Houston Street CITY Fort Worth STATE TX ZIP 76102 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		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ 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.
14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134
N1095

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) Edwin S. Ryan, Jr. TITLE Sr. Vice President - Land Administration
SIGNATURE Edwin S. Ryan, Jr. DATE 7/31/2007

(This space for State use only)

APPROVED 9/27/07
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

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

(5/2000) (See Instructions on Reverse Side)

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	SENW	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	SENW	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	SENW	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	twp	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.

RIVER BEND UNIT

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	twp	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	SENW	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	SENW	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	twp	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	SENW	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	SENW	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	SENW	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	SENW	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	SENW	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	SENW	02	100S	200E	ML-10716	11377	State	OW	PA
4304730260	RBU 11-16E	NESW	16	100S	190E	ML-13214	7050	State	GW	S
4304730583	RBU 11-36B	NESW	36	090S	190E	ML-22541	99998	State	NA	PA
4304730608	RBU 8-16D	SENE	16	100S	180E	ML-13216	99998	State	NA	PA
4304730760	RBU 11-2F	NESW	02	100S	200E	ML-10716	9966	State	OW	S
4304731740	RBU 1-16E	NENE	16	100S	190E	ML-13214	7050	State	GW	P
4304732026	RBU 16-2F	SESE	02	100S	200E	ML-10716	7050	State	GW	P
4304732042	RBU 9-16E	NESE	16	100S	190E	ML-13214	7050	State	GW	P
4304732108	RBU 14-2F	SESW	02	100S	200E	ML-10716	7050	State	GW	P
4304732136	RBU 8-2F	SENE	02	100S	200E	ML-10716	7050	State	GW	P
4304732137	RBU 5-16E	SWNW	16	100S	190E	ML-13214	7050	State	GW	P
4304732245	RBU 7-16E	SWNE	16	100S	190E	ML-13214	7050	State	GW	PA
4304732250	RBU 13-16E	SWSW	16	100S	190E	ML-13214	7050	State	GW	S
4304732292	RBU 15-16E	SWSE	16	100S	190E	ML-13214	7050	State	GW	PA
4304732314	RBU 10-2F	NWSE	02	100S	200E	ML-10716	7050	State	GW	P
4304732352	RBU 3-16F	NENW	16	100S	200E	ML-3393-A	7050	State	GW	P
4304733360	RBU 1-16F	NENE	16	100S	200E	ML-3393	7050	State	GW	P
4304734061	RBU 6-16E	SWNE	16	100S	190E	ML-13214	7050	State	GW	P
4304734167	RBU 1-2F	NENE	02	100S	200E	ML-10716		State	GW	LA
4304734315	STATE 11-2D	NESW	02	100S	180E	ML-26968		State	GW	LA
4304734903	RBU 14-16E	SWSW	16	100S	190E	ML-13214	7050	State	D	PA
4304735020	RBU 8-16E	SENE	16	100S	190E	ML-13214	7050	State	GW	P
4304735021	RBU 10-16E	SWSE	16	100S	190E	ML-13214	7050	State	GW	P
4304735022	RBU 12-16E	NESW	16	100S	190E	ML-13214	7050	State	GW	P
4304735023	RBU 16-16E	SWSW	15	100S	190E	ML-13214	7050	State	GW	P
4304735033	RBU 2-16E	NWNE	16	100S	190E	ML-13214	7050	State	GW	P
4304735081	RBU 15-2F	SWSE	02	100S	200E	ML-10716	7050	State	GW	P
4304735348	RBU 13-16F	NWNW	21	100S	200E	ML-3394	7050	State	GW	DRL
4304736169	RBU 4-16E	NENW	16	100S	190E	ML-13214	7050	State	GW	P
4304736170	RBU 3-16E	NENW	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

TAKE PRIDE IN AMERICA

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