UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
~~DRILL~~ Deepen

5. Lease Number
NM12014
Unit Reporting Number

1b. Type of Well
GAS

6. If Indian, All. or Tribe

2. Operator
BURLINGTON RESOURCES Oil & Gas Company

7. Unit Agreement Name

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499

(505) 326-9700

8. Farm or Lease Name
EPNG B
9. Well Number
1A

4. Location of Well
1060' FNL, 2140' FEL

Latitude 36° 57.33', Longitude 107° 27.67'

10. Field, Pool, Wildcat
Blanco MV/Basin DK
11. Sec., Twn, Rge, Mer. (NMPM)
Sec 28, T-32-N, R-6-W
API # 30-045-26548

14. Distance in Miles from Nearest Town
6 miles south of Arboles, Co

12. County
San Juan

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
1060'

16. Acres in Lease

17. Acres Assigned to Well
320 N/2

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease

19. Proposed Depth
8106'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6426'

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

24. Authorized by: Frances Bond
Regulatory Specialist

5-3-05
Date

PERMIT NO. _____ **APPROVAL DATE** _____

APPROVED BY Jim Lovato **TITLE** Acting Field Manager—Mineral Resources **DATE** 7/13/05

RECEIVED
2005 MAY 4 PM 12
070 FARMINGTON NM

Archaeological Report Attached
Threatened and Endangered Species Report Attached
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

NMOCD

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	[2] Pool Code	[3] Pool Name
30-045-26548	71599	Basin Dakota

[4] Property Code	[5] Property Name	[6] Well Number
6977	EPNG B	1A

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	BURLINGTON RESOURCES OIL & GAS CO LP	6426

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	28	32N	6W		1060	North	2140	East	San Juan

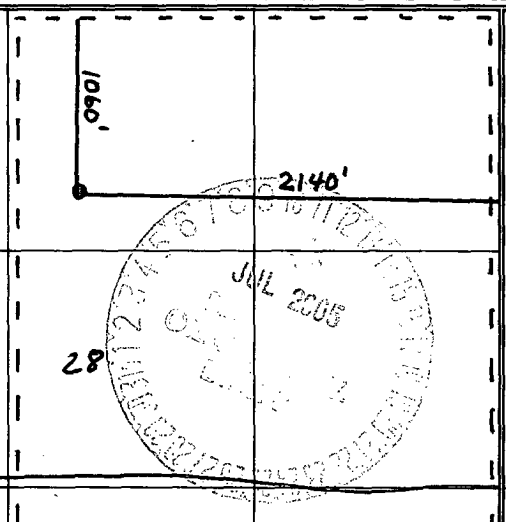
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320 E/2 W/2			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



RECEIVED
070 FARMINGTON NM
2005 MAY 3 PM 4 17

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Frances S. Bond
Signature

Frances Bond
Printed Name

Regulatory Specialist
Title and E-mail Address

5-3-05
Date

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

May 31 1985
Date of Survey

Signature and Seal of Professional Surveyor:

Fred B Kerr Jr

3950
Certificate Number

OPERATIONS PLAN FOR EPNG B #1A

Well: EPNG B #1A
Location: T-32-N, R-6-W, Sect. 28, Unit B; 1060' FNL, 2140' FEL
San Juan County, NM
Latitude 36° 57.33' Longitude 107° 27.67'

Formation: **Blanco Mesaverde and Basin Dakota**

Formation Tops:	Top	Bottom	Contents
Surface	San Jose		----
Ojo Alamo	2322'	2452'	aquifer
Kirtland	2452'	3066'	gas
Fruitland	3066'	3357'	gas
Pictured Cliffs	3357'	3503'	gas
Lewis	3503'	4197'	gas
Huerfanito Bentonite	4197'	4650'	gas
Chacra	4650'	5380'	gas
Massive Cliff House	5380'	5424'	gas
Menefee	5424'	5644'	gas
Massive Point Lookout	5644'	6128'	gas
Mancos	6128'	7023'	gas
Gallup	7023'	7753'	gas
Greenhorn	7753'	7803'	gas
Graneros	7803'	7913'	gas
Paguate	7913'	7922'	gas
Cubero	7922'	7967'	gas
Lower Cubero	7967'	8033'	gas
Encinal	8033'		gas
Total Depth	8106'		

Logging program:
Cased hole - CBL-CCL-GR - TD to 6650'

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
6149' – 8106'	Air/Nitrogen	n/a	n/a	n/a

Casing Program:

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
3-7/8"	~6135' – 8106'	3-1/2" Flush	9.3#/'	L-80

Tubing Program:	Tbg.Size	Wt.	Grade
0' – total depth	2-1/16"	3.25#	J-55

Operations:
It is intended to deepen the subject well to the Dakota formation by the following procedure:
1. MIRU completion rig. TOOH with tubing.
2. Set retrievable bridge plug at +/- 4270'.
3. Pressure test casing to 1000 psi for 15 minutes. TOOH with bridge plug.
4. Lay in acid soluble cement across entire Mesaverde interval. WOC.
5. Drill out cement. Test casing to 500 psi for 15 minutes. Repeat cement work until pressure test holds.
6. Drill out shoe. Drill Dakota formation to approximately 8106' with mud logger to call final total depth. TOOH.
7. TIH with 3-1/2" flush joint pipe and set at total depth.
8. Cement with 28 sxs of type III cement (1.39 yield, 14.5 ppg). WOC. Run CBL. TOC @ 6713'.
9. Perforate and fracture stimulate the Dakota formation. Flow back Dakota.
10. Set composite plug 50' above top Dakota perforation.
11. Chemical cut 3-1/2" casing at +/- 6135'.
12. Acidize Mesaverde interval to restore production.

13. Drill out composite plug above the Dakota. Clean out to PBTD.
14. Land 2-1/16" IJ tubing.
15. RDMO rig. Return well to production as a commingled MV/DK producer.

BOP Specifications, Wellhead and Tests:

Surface to Total Depth:

2" nominal, 3000 psi minimum choke manifold (Reference Figure #3).

Completion Operations:

7 1/16" 3000 psi double gate BOP stack (Reference Figure #4). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 3000 psi for 15 minutes.

Wellhead:

9 5/8" x 7" x 4 1/2" x 2 1/16" x 3000 psi tree assembly.

General Information:

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- All BOP tests and drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with hand wheels.

Cementing:

3-1/2" Production Liner

Cement to cover minimum of 1200' above the Dakota formation. Minimum TOC @ 6713'. 28 sxs type III cement (1.39 yield, 14.5 ppg). WOC a minimum of 18 hrs prior to completing.

Special Drilling Operations (Gas/Mist Drilling):

The following equipment will be operational while gas/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water-cooled exhaust.
- Deduster equipment will be utilized.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Mesaverde and/or Dakota formations will be completed and commingled if both formations are completed.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:
  Dakota 2700 psi

Angela Ibara *4/25/05*

Sr. Staff Engineer Date

EPNG B #1A

1060' FNL , 2140' FEL
Unit B, Section 28, T32N, R06W
San Juan County, NM

LAT: 36 deg 57.33 min LONG: 107 deg 27.67 min

GL = 6,426' KB= 6,438'

Current Wellbore Diagram

Surface Casing:

9-5/8"	32.3#	H-40
Set @	211'	
TOC @	circ to surf	

Intermediate Casing:

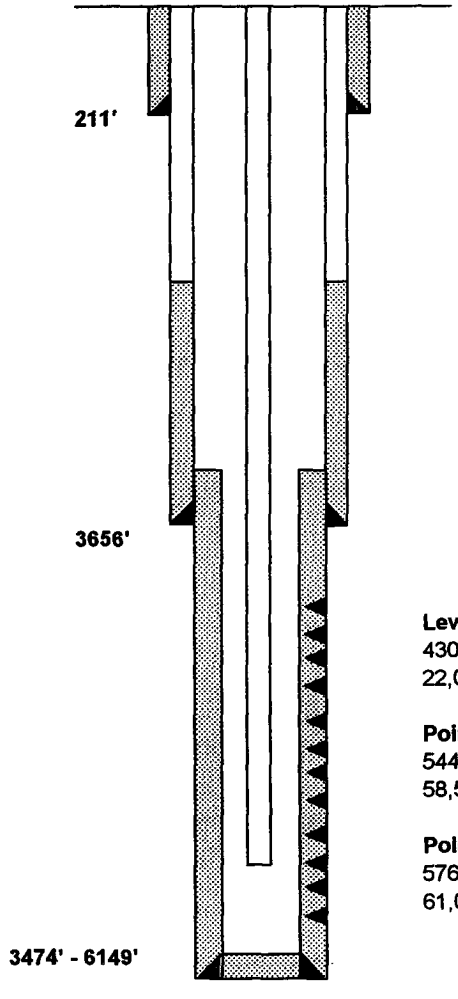
7"	20#	K-55
Set @	3,656'	248 sxs
TOC @	2150' TS	

Tubing:

2-3/8"	4.7#	J-55
Set @	6114	
SN @	6112	

Production Liner:

4-1/2"	10.5#	K-55
Set @	3474' - 6149'	
SN @	Lnr top, CBL	



PBTD= 6,128'
TD= 6,150'

Ojo Alamo	2,322'
Kirtland	2,452'
Fruitland	3,066'
Pictured Cliffs	3,357'
Heur Bent.	4,197'
Chacra	4,650'
Cliffhouse	5,380'
Menefee	5,424'
Point Lookout	5,644'
Mancos	6,128'
Gallup	7,023'
Greenhorn	7,753'
Graneros	7,803'
Paguate	7,913'

Lewis
4300' - 4930'
22,000# sand, 44,050 gal slickwater

Point Lookout - Cliff House
5442' - 5736
58,500# sand, 32,955 gal 30# linear gel

Point Lookout
5764' - 6124'
61,000# sand, 121,800 gal slickwater

PLO: 5764', 86', 94', 5814', 67', 71', 5908', 17', 26', 52', 68', 85', 98', 6023', 32', 54', 6110', 24'

PLO-CH: 5442', 50', 69', 75', 97', 5503', 09', 15', 21', 78', 87', 92', 5650', 55', 60', 65', 70', 78', 5702', 07', 12', 16', 29', 36'

LW: 4300', 03', 06', 72', 76', 80', 84', 4450', 54', 58', 62', 86', 90', 94', 4632', 36', 40', 55', 60', 65', 70', 75', 80', 84', 4720', 23', 26', 62', 66', 75', 80', 85', 90', 4803', 07', 11', 27', 30', 33', 58', 62', 66', 70', 74', 4906', 08', 22', 26', 30'

ARI 04/25/05

EPNG B #1A

1060' FNL , 2140' FEL
Unit B, Section 28, T32N, R06W
San Juan County, NM

LAT: 36 deg 57.33 min LONG: 107 deg 27.67 min

GL = 6,426' KB= 6,438'

Proposed Wellbore Diagram

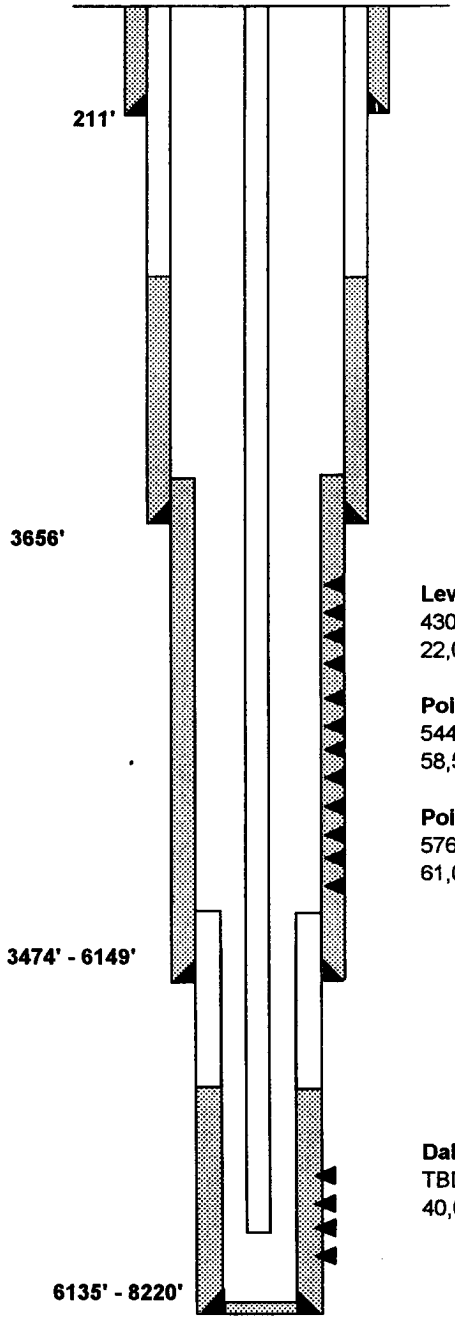
Surface Casing:
9-5/8" 32.3# H-40
Set @ 211'
TOC @ circ to surf

Intermediate Casing:
7" 20# K-55
Set @ 3,656' 248 sxs
TOC @ 2150' TS

Tubing:
2-1/16" 3.25 J-55 IJ
Set @ TBD
SN @ TBD

Production Liner:
4-1/2" 10.5# K-55
Set @ 3474' - 6149'
SN @ Lnr top, CBL

Proposed Production Liner:
3-1/2" FLS
Set @ 6135' - 8220'
TOC @ 6,713'



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5442' - 5736
58,500# sand, 32,955 gal 30# linear gel

Point Lookout
5764' - 6124'
61,000# sand, 121,800 gal slickwater

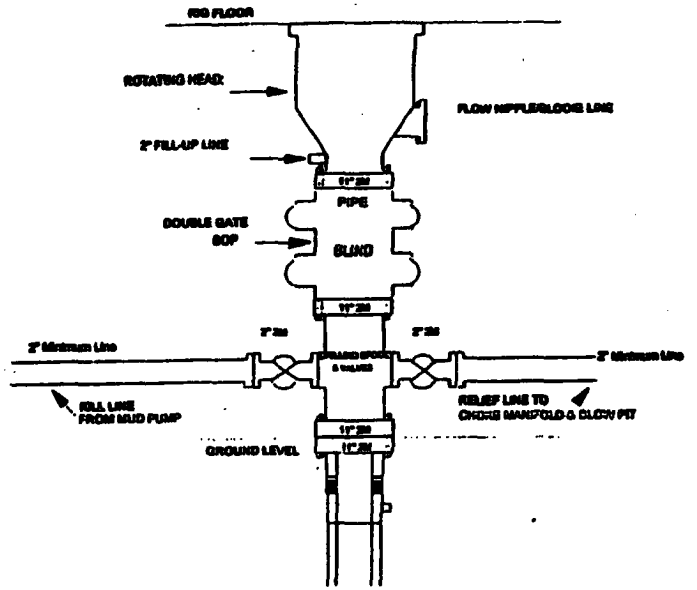
Dakota
TBD
40,000# TLC, slickwater

PBTD= 8,104'
TD= 8,106'

ARI 04/25/05

Burlington Resources

Drilling Rig
2000 psi System



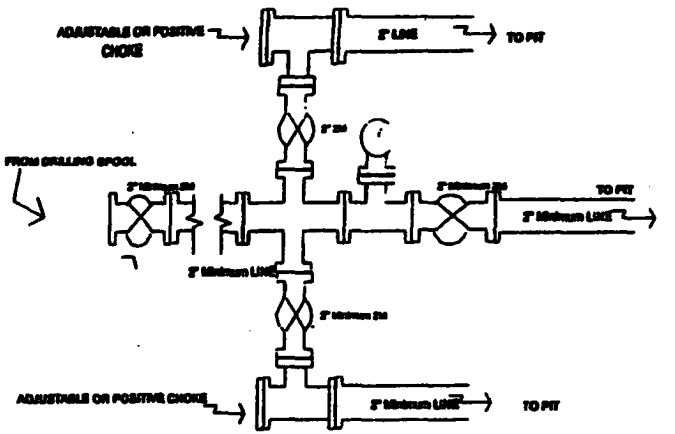
BOP Installation from Surface Casing Point to Total Depth. 11" Bore 10" Nominal, 2000 psi working pressure double gate BOP to be equipped with blind rams and pipe rams. A 600 psi rotating head on top of ram preventers. *All BOP equipment is 2,000 psi working pressure*

4-20-01

Figure #1

BURLINGTON RESOURCES

Drilling Rig
Choke Manifold Configuration
2000 psi System

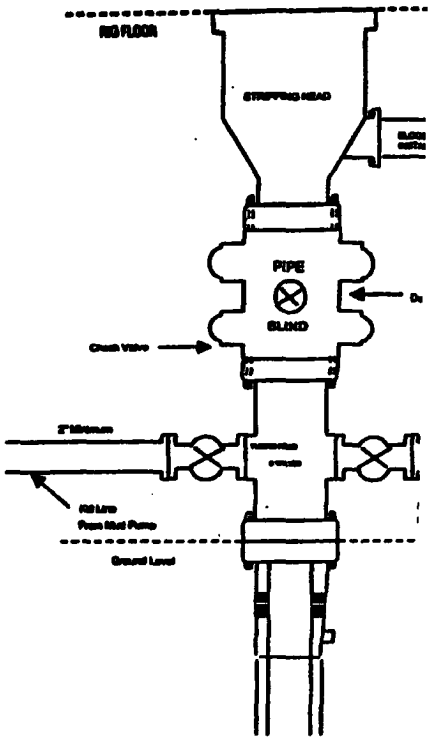


Choke manifold installation from Surface Casing Point to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

BURLINGTON RESOUR

Completion/Workover Ri
BOP Configuration
2,000 psi System



Minimum BOP installation for all Completi Operations. 7-1/16" bore, 2000 psi minim pressure double gate BOP to be equipped pipe rams. A stripping head to be installe the BOP. All BOP equipment is 2000 psi pressure or greater excluding 500 psi strip

Figure 4

4-20-01