

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 03 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number USA SF- 079527 Unit Reporting Number NM NM-78408A-MV	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 27-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number #35M	
4. Location of Well Surf: Unit A (NENE), 400' FNL & 405' FEL Unit M (SWSW), 710' FSL & 710' FWL Surf: Latitude 36.535955 N. Longitude 107.230909 W. Latitude 36.539006 N. Longitude 107.227099 W.	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) A Sec. 34, T27N, R4W M Sec. 26, T27N, R4W API # 30-039-30605	
14. Distance in Miles from Nearest Town 20 miles/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 400'		
16. Acres in Lease 1280.00	17. Acres Assigned to Well MV/DK 320.00 (2/2) W	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 775' to the San Juan 27-4 Unit 92/PC		
19. Proposed Depth 8545'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7252' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	Date <u>3/10/09</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

MAR 19 2009

Hold C104

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

for Directional Survey
and "As Drilled" plat

This action is subject to technical and
procedural review pursuant to 43 CFR 3105.9
and appeal pursuant to 43 CFR 3105.9

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 October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30605	² Pool Code 72319 / 71599	³ Pool Name Blanco MESAVERDE / BASIN DAKOTA
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	
		⁶ Well Number 35M
		⁹ Elevation 7252

¹⁰ SURFACE LOCATION

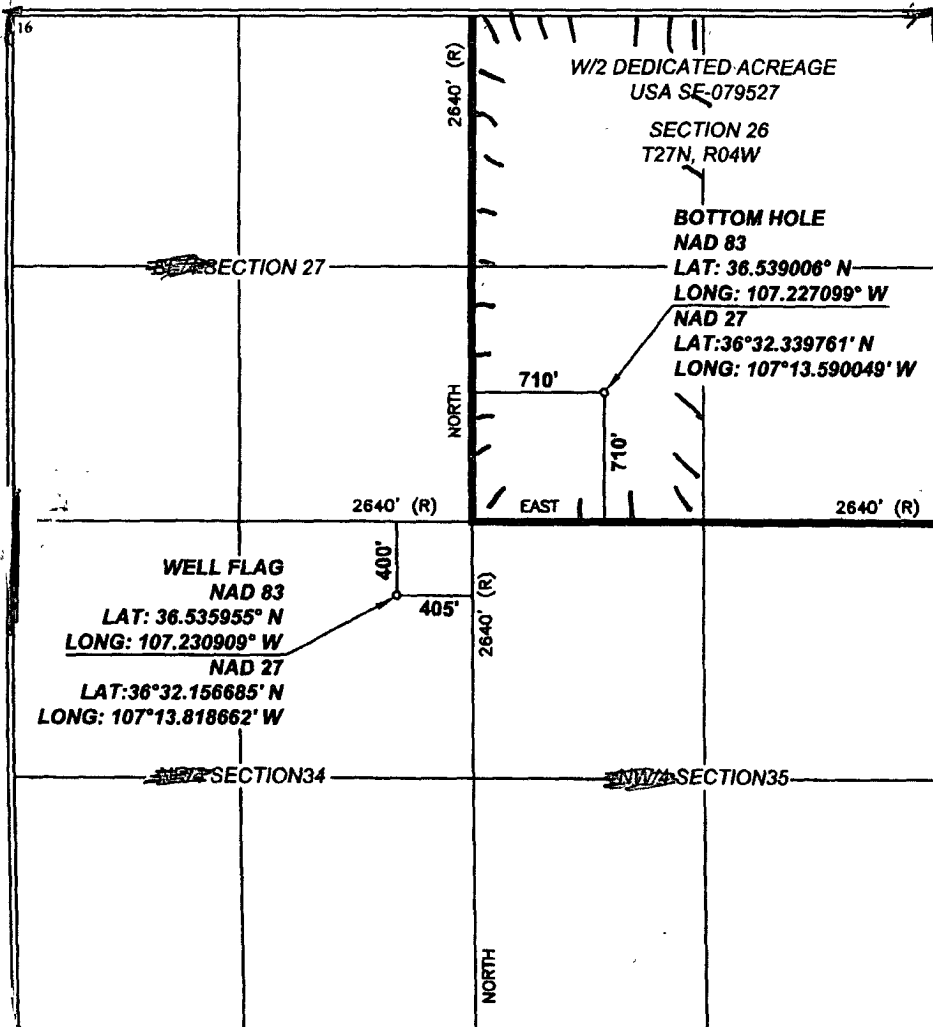
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	34	27-N	4-W		400	NORTH	405	EAST	RIO ARRIBA

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
M	26	27-N	4-W		710	SOUTH	710	WEST	RIO ARRIBA

¹² Dedicated Acres 320.0 W/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

James Gardenhire
Signature

James Gardenhire
Printed Name

Regulatory Technician
Title and E-mail Address

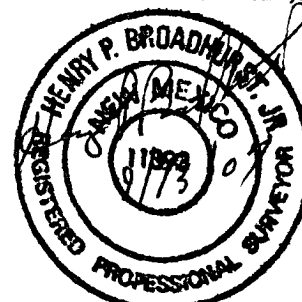
12/02/08
Date

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.

Date of Survey: 8/22/07

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

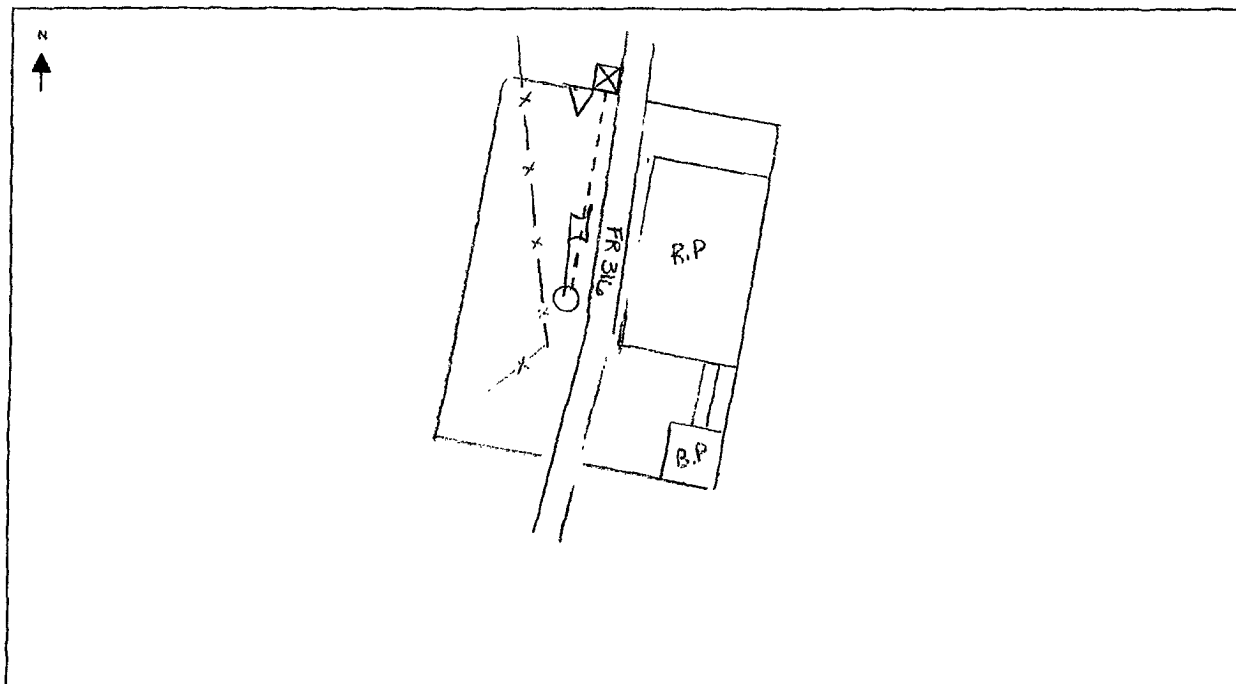


OFFICIAL RECORD
NOTARIAL PUBLIC #12-119

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 27-4 #35M LEGALS A-34-27-4 COUNTY Rio Arriba

PURPOSED C.P. SYSYTEM: Drill GE and set Zureil solun on N edge of location (W side of location access). Trench approx 200' of #2 neg from purposed well to solun



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

COMMENTS: _____

NEAREST POWER SOURCE N/A DISTANCE: _____

PIPELINES IN AREA: _____

TECHNICIAN: Michelle Hingora DATE: 10/24/07

RP

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 35M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8481				AFE \$:	
Field Name: hBR_SAN JUAN 27-4 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
Location: Surface Datum Code: NAD 27 Structure Code:							
Latitude: 36.535945	Longitude: -107.230311	X:	Y:	Section: 34	Range: 004W		
Footage X: 405 FEL	Footage Y: 400 FNL	Elevation: 7252	(FT)	Township: 027N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Structure Code:							
Latitude: 36.538990	Longitude: -107.226502	X:	Y:	Section: 26	Range: 004W		
Footage X: 710 FWL	Footage Y: 710 FSL	Elevation:	(FT)	Township: 027N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 7267 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
SURFACE CSG	200	7067	☐			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, ST&C casing. Cement with 171 cu. ft. Circulate cement to surface.	
OJO ALAMO	3536	3731	☐			Possible water flows.	
KIRTLAND	3707	3560	☐				
FRLD	3744	3523	☐			Possible gas.	
PICTURED CLIFFS	4089	3178	☐			Upper Fms to Point Lookout flat to 27-4 #35	
LEWIS	4237	3030	☐				
HUERFANITO BENTONITE	4588	2679	☐				
Intermediate Casing	4800	2467	☐			8-3/4" hole. 7", 23 ppf, J-55, LT&C casing. Cement with 1154 cu. ft. Circulate cement to surface.	
CHACRA	5059	2208	☐				
UPPER CLIFF HOUSE	5678	1589	☐				
MASSIVE CLIFF HOUSE	5801	1466	☐				
MENEFEE	5948	1319	☐				
MASSIVE POINT LOOKOUT	6194	1073	☐				
MANCOS	6762	505	☐				
UPPER GALLUP	7395	-128	☐				
GREENHORN	8219	-952	☐				
GRANEROS	8266	-999	☐				
TWO WELLS	8293	-1026	☐				
UPPER CUBERO	8432	-1165	☐				
LOWER CUBERO	8477	-1210	☐			2' deeper than 27-4 #34M	
OAK CANYON	8500	-1233	☐			7' higher than 27-4 #133	
ENCINAL	8545	-1278	☐			TD T/ENCN	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 35M

DEVELOPMENT

TD	8545	-1278	☐ 3350 psi per operator	6-1/4" hole. 4-1/2", 11.6 ppf, J-55/L-80, LT&C casing. Cement with 511 cu. ft. Circulate cement a minimum of 100' inside previous casing string. No open hole logs. Cased hole GR to surface.
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Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	SJ 27-4 Unit 133	SNESW 27-27n-04w
Intermediate	SJ 27-4 Unit 35	SW 26-27n-04w
Intermediate	SJ 27-4 Unit 34M	NWNE 34-27n-04w

Logging Program:			
Intermediate Logs:	☐ Log only if show	☐ GR/ILD	☐ Triple Combo

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
GR/CBL, MUDLOG 100' above GRHN to TD							

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #35M
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 7267.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 7267.0ft (Original Well Elev)
Site:	San Juan 27 wells	North Reference:	True
Well:	SJ 27-4 #35M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,783.8	3,536.0	Ojo Alamo		0.00		
3,973.8	3,707.0	Kirtland		0.00		
4,014.9	3,744.0	Fruitland		0.00		
4,396.2	4,089.0	Pictured Cliffs		0.00		
4,553.2	4,237.0	Lewis		0.00		
4,912.3	4,588.0	Huerfano Bentonite		0.00		
5,383.7	5,059.0	Chacra		0.00		
6,002.7	5,678.0	Upper Cliffhouse		0.00		
6,125.7	5,801.0	Mass. Cliffhouse		0.00		
6,272.7	5,948.0	Menefee		0.00		
6,518.7	6,194.0	Massive Pt. Lookout		0.00		
7,086.7	6,762.0	Mancos Shale		0.00		
7,719.7	7,395.0	Upper Gallup		0.00		
8,543.7	8,219.0	Greenhorn		0.00		
8,590.7	8,266.0	Graneros		0.00		
8,617.7	8,293.0	Two Wells		0.00		
8,756.7	8,432.0	Upper Cubero		0.00		
8,801.7	8,477.0	Lower Cubero		0.00		
8,824.7	8,500.0	Oak Canyon		0.00		

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT #35M

400' FNL, 405' FEL

SECTION 34, T27N, R04W, N.M.P.M.,

NAD 83 LAT.: 36.535955° LONG.: 107.230909°

RIO ARriba COUNTY, NEW MEXICO

ELEV. 7252 NADV88

NO NEW ACCESS

DRIVING DIRECTIONS FROM BLOOMFIELD, NM TO BEGINNING AT MILE POST 101.2 ON HWY 64 AND INTERSECTION WITH GENERAL AMERICAN ROAD INSTRUCTION MILE POST 0.0, DRIVE SOUTHWARD

- AT 1.1 MILES INTERSECTION OF GENERAL AMERICAN ROAD AND ARNOLD ROAD, CONTINUE ON GENERAL AMERICAN
- AT 3.4 CATTLE GUARD- GENERAL AMERICAN #5
- AT 4.4 MAJOR INTERSECTION WITH E-W ROAD
- AT 5.5 GENERAL AMERICAN ROAD BECOMES TWIN PEAKS ROAD
- AT 7.1 CATTLE GUARD 378-M378
- AT 14.7 TWIN PEAKS ROAD BECOMES FOREST ROAD 357, TURN RIGHT CROSSING ARROYO COMPANZERO WASH.
- AT 16.2 ROAD TURNS SOUTH LEAVING ARROYO COMPANZERO VALLEY CONTINUE ON ROAD 357
- AT 17.0 CATTLE GUARD, BEGIN FORREST LAND 357 BECOMES ROAD 316
- AT 21.0 INTERSECTION WITH ROAD TO NORTHWEST, CONTINUE ON ROAD 316 NORTHEAST
- AT 21.6 INTERSECTION WITH ROAD TO NORTHWEST CONTINUE ON 316
- AT 22.85 ARRIVE AT PROPOSED SAN JUAN 27-4 UNIT #35M WELL LOCATION.