

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 13 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work
DRILL

5. Lease Number
SF-080668
Unit Reporting Number

1b. Type of Well
GAS

NMNM-78408A-MV NMNM-78408B-DK

6. If Indian, All. or Tribe

RCVD MAR 18 '10
OIL CONS. DIV.

2. Operator

BURLINGTON

RESOURCES Oil & Gas Company, LP

7. Unit Agreement Name
DIST. 3

San Juan 27-4 Unit

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499

8. Farm or Lease Name

9. Well Number
94P

(505) 326-9700

4. Location of Well

Surf: Unit M(SWSW), 485' FSL & 1085' FWL
Bottomhole: Unit M(SWSW), 1110' FSL & 100' FWL

10. Field, Pool, Wildcat
Blanco MV / Basin DK

Surf: Latitude: 36.596215° N (NAD83)
Longitude: 107.243697° W
Bottomhole: Latitude: 36.597947° N (NAD83)
Longitude: 107.247099° W

11. Sec., Twn, Rge, Mer. (NMPM)
M Sec. 3, T27N, R4W

API # 30-039-30847

14. Distance in Miles from Nearest Town
54 miles from Bloomfield

12. County
Rio Arriba

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
100'

16. Acres in Lease
2,557.80

17. Acres Assigned to Well
MV/DK 319.44 (W/2)

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease
50' from SJ 27-4 Unit 94 (DK)

19. Proposed Depth
8165'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6806' GL

22. Approx. Date Work will Start
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

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Crystal Tafoya
Crystal Tafoya (Regulatory Technician)

11/13/2009
Date

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

Hold C104

for Directional Survey

NOTIFY AZTEC OCD 24 HRS
PRIOR TO CASING & CEMENT

MAR 19 2010

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO THE USE WITH ATTACHED
"GENERAL REQUIREMENTS".

NMOCD

HOLD C104 FOR DK-N5L

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

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

RECEIVED

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

NOV 13 2009

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30847	² Pool Code 71599/72319	³ Farmington Field Office Pool Name BASIN DAKOTA / MESAVERDE BLANCO
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	⁶ Well Number 94P
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6806

¹⁰ SURFACE LOCATION

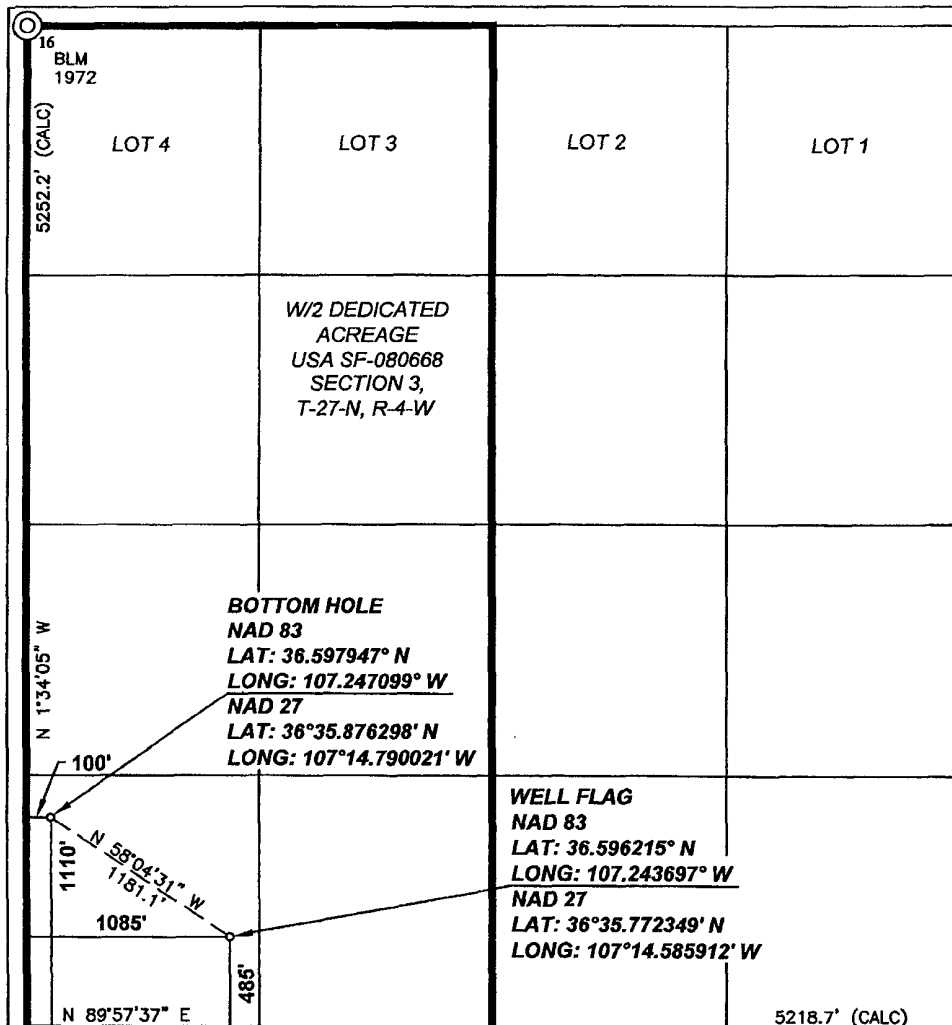
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	3	27-N	4-W		485	SOUTH	1085	WEST	RIO ARRIBA

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	3	27-N	4-W		1110	SOUTH	100	WEST	RIO ARRIBA

¹² Dedicated Acres 319.44(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.

Signature

Marie E. Jaramillo 4/1/09

Printed Name

Staff Regulatory Tech.

Title and E-mail Address

April 1, 2009

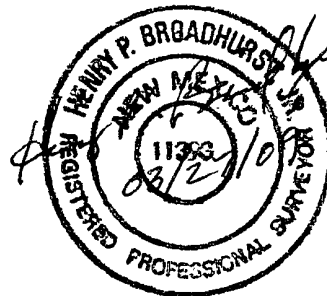
Date

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: 3/9/09

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 94P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8317				AFE \$: 1,754,786.54	
Field Name: 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:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.596205		Longitude: -107.243098		X:	Y:	Section: 03	Range: 004W
Footage X: 1085 FWL		Footage Y: 485 FSL		Elevation: 6806 (FT)	Township: 027N		
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.597938		Longitude: -107.246500		X:	Y:	Section: 03	Range: 004W
Footage X: 100 FWL		Footage Y: 1110 FSL		Elevation: (FT)	Township: 027N		
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6821 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	201	6620	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 160 cuft. Circulate cement to surface.	
NACIMIENTO	1872	4949	☐				
OJO ALAMO	3116	3705	☐				
KIRTLAND	3269	3552	☐				
FRUITLAND	3327	3494	☐			Possible Gas	
PICTURED CLIFFS	3720	3101	☐				
LEWIS	3793	3028	☐				
Intermediate Casing	3893	2928	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 928 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4268	2553	☐				
CHACRA	4672	2149	☐			Est. Top Perf - 4673 (2147)	
UPPER CLIFF HOUSE	5278	1543	☐			Gas	
MASSIVE CLIFF HOUSE	5477	1344	☐	782		Gas	
MENEFEE	5546	1275	☐				
POINT LOOKOUT	5861	960	☐				
MANCOS	6411	410	☐				
UPPER GALLUP	7027	-206	☐				
GREENHORN	7805	-984	☐				
GRANEROS	7871	-1050	☐				
TWO WELLS	7927	-1106	☐	2882		Gas	
PAGUATE	7992	-1171	☐				
UPPER CUBERO	8013	-1192	☐				
LOWER CUBERO	8061	-1240	☐			Est. Btm Perf - 8149 (-1329) based on offset wells	

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: San Juan 27 Wells
Well: SJ 27-4 #94P
Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference: Well SJ 27-4 #94P
TVD Reference: WELL @ 6821 0ft (Original Well Elev)
MD Reference: WELL @ 6821 0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,775.9	5,546.0	MENEFEE		0.00		
3,487.2	3,269.0	KIRTLAND		0.00		
7,256.9	7,027.0	GALLUP		0.00		
3,322.7	3,116.0	OJO ALAMO		0.00		
8,290.9	8,061.0	LOWER CUBERO		0.00		
6,090.9	5,861.0	POINT LOOKOUT		0.00		
3,548.3	3,327.0	FRUITLAND COAL		0.00		
8,156.9	7,927.0	TWO WELLS		0.00		
4,901.9	4,672.0	CHACRA		0.00		
8,034.9	7,805.0	GREENHORN		0.00		
5,507.9	5,278.0	UPPER CLIFF HOUSE		0.00		
8,348.9	8,119.0	OAK CANYON		0.00		
4,497.9	4,268.0	HUERFANITO BENTONITE		0.00		
8,394.9	8,165.0	ENCINAL		0.00		
1,947.4	1,872.0	NACIMIENTO		0.00		
5,706.9	5,477.0	MASSIVE CLIFF HOUSE		0.00		
6,640.9	6,411.0	MANCOS		0.00		
8,100.9	7,871.0	GRANEROS		0.00		
4,022.9	3,793.0	LEWIS		0.00		
8,242.9	8,013.0	UPPER CUBERO		0.00		
8,221.9	7,992.0	PAGUATE		0.00		
3,949.7	3,720.0	PICTURED CLIFFS		0.00		

REFERENCE INFORMATION

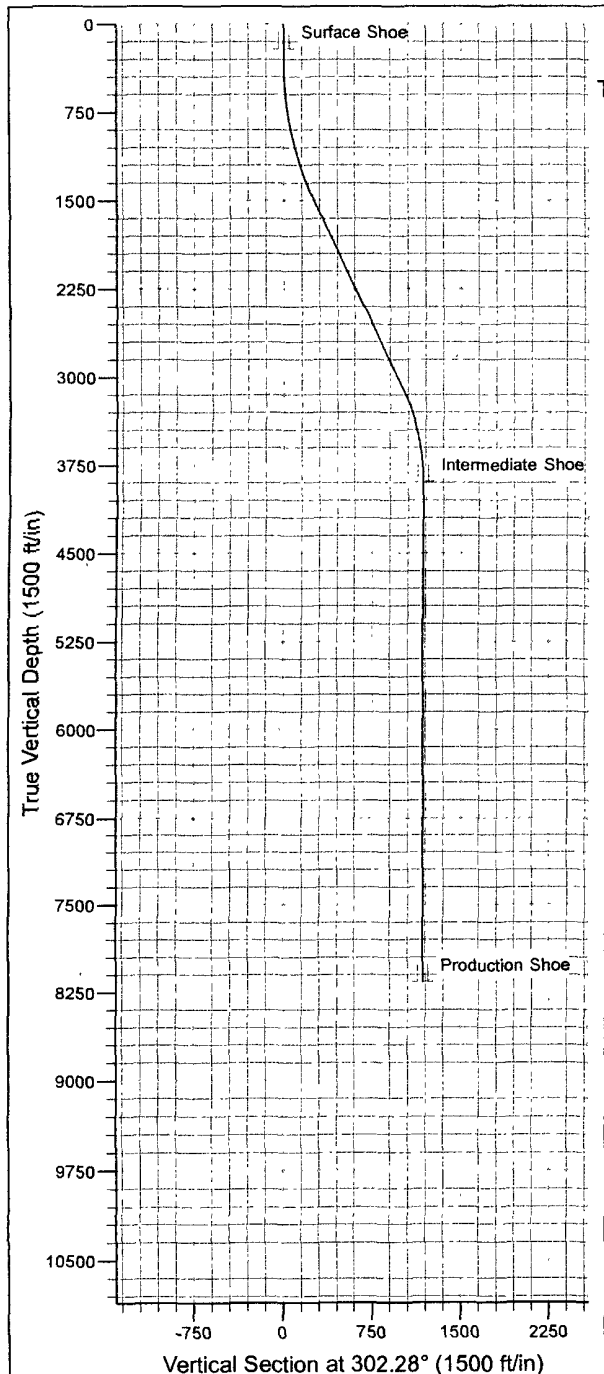
WELL @ 6821.0ft (Original Well Elev)
Ground Elevation 6806.0
Reference Lat: 36° 35' 46.341 N
Reference Long: 107° 14' 35.155 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 27 Wells
Well: SJ 27-4 #94P
Wellbore: Wellbore #1
Design: Plan #1

ConocoPhillips

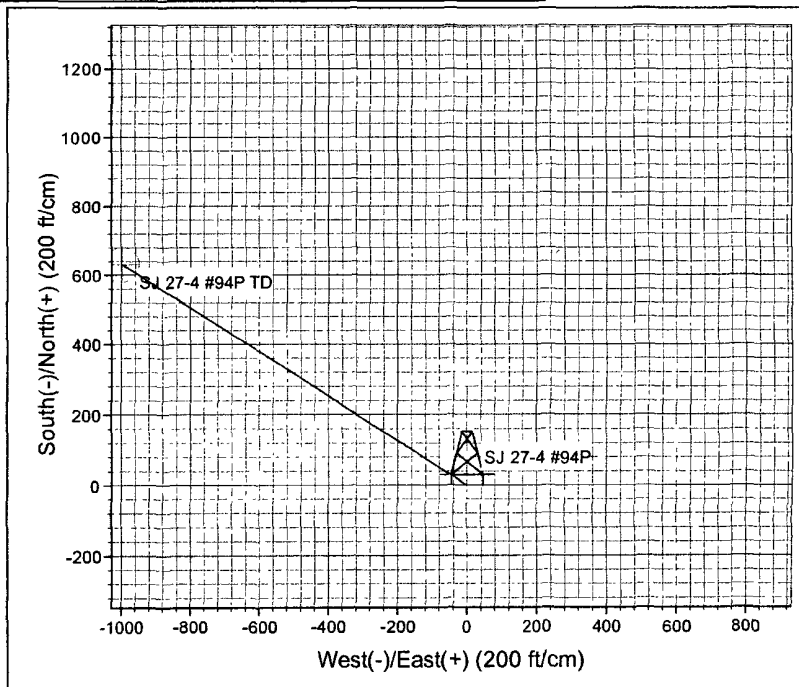
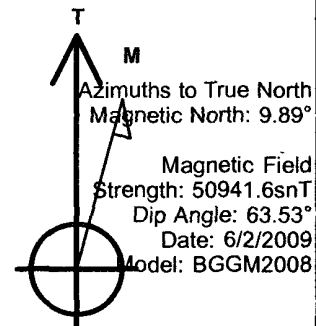
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1583.1	25.26	302.28	1542.6	146.3	-231.6	2.00	302.28	274.0	
4	3280.8	25.26	302.28	3077.9	533.2	-844.2	0.00	0.00	998.5	
5	4122.9	0.00	0.00	3893.0	630.8	-998.6	3.00	180.00	1181.2	SJ 27-4 #94P ICP
6	8394.9	0.00	0.00	8165.0	630.8	-998.6	0.00	0.00	1181.2	SJ 27-4 #94P TD



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1502.0	1947.4	NACIMIENTO
2746.0	3322.7	OJO ALAMO
2899.0	3487.2	KIRTLAND
2957.0	3548.3	FRUITLAND COAL
3350.0	3949.7	PICTURED CLIFFS
3423.0	4022.9	LEWIS
3898.0	4497.9	HUERFANITO BENTONIT
4302.0	4901.9	CHACRA
4908.0	5507.9	UPPER CLIFF HOUSE
5107.0	5706.9	MASSIVE CLIFF HOUSE
5176.0	5775.9	MENEFEE
5491.0	6090.9	POINT LOOKOUT
6041.0	6640.9	MANCOS
6657.0	7256.9	GALLUP
7435.0	8034.9	GREENHORN
7501.0	8100.9	GRANEROS
7557.0	8156.9	TWO WELLS
7622.0	8221.9	PAGUATE
7643.0	8242.9	UPPER CUBERO
7691.0	8290.9	LOWER CUBERO
7749.0	8348.9	OAK CANYON
7795.0	8394.9	ENCINAL



BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT #94P

485' FSL, 1085' FWL

SECTION 3, T-27-N, R-4-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.596215°N LONG.: 107.243697°W

ELEV.: 6806 NAVD88

NO NEW ACCESS

DRIVING DIRECTIONS FROM BLOOMFIELD, N.M. AT INTERSECTION OF HWY. 550 AND HWY. 64, TRAVEL EAST ON HWY. 64 FOR 36.4 MI. (TO MILE POST 101.1). TURN RIGHT (BY GOBERNADOR SCHOOL) AND TRAVEL SOUTH ON C.R. 366 (AMERICAN GENERAL).

- **AT 1.0 MI., Y IN ROAD, STAY RIGHT ON AMERICAN GENERAL ROAD**
- **AT 1.3 MI., CROSS CATTLE GUARD**
- **AT 3.4 MI., CROSS CATTLE GUARD**
- **AT 3.9 MI., CROSS CATTLE GUARD**
- **AT 4.4 MI., ROAD INTERSECTION, STAY STRAIGHT AHEAD**
- **AT 5.4 MI., CROSS WASH AND CONTINUE PAST TWIN PEAKS SIGN**
- **AT 7.1 MI., CROSS CATTLE GUARD**
- **AT 8.3 MI., Y IN ROAD, STAY LEFT PASS SPEED SIGN**
- **AT 9.5 MI., Y IN ROAD, STAY LEFT**
- **AT 10.5 MI., CROSS CATTLE GUARD**
- **AT 11.3 MI., PASS SPEED SIGN**
- **AT 11.8 MI., CROSS CATTLE GUARD**
- **AT 14.7 MI., #44 WATER HOLE. RESET ODOMETER.**

FROM #44 WATER HOLE

- **CONTINUE 2.5 MI. EAST ON FOREST ROAD #314A, TURN LEFT.**
- **GO 0.8 MI. NORTH THROUGH LOCKED GATE INTO VALENCIA CANYON. CROSS WASH TO PLUGGED & ABANDONED LOCATION FOR SJ 27-4 #94. NEW WELL IS TWINNED HERE.**