

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 16 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-078507 Unit Reporting Number NMNM-78425A-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 32-9 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 32-9 Unit 9. Well Number 34B	
4. Location of Well Surface: Unit K(NESW), 2012' FSL & 1329' FWL LOT 11 BHL: Unit L(NWSW), 2585' FSL & 710' FWL LOT 12 Surface: Latitude: 36.93987° N (NAD83) Longitude: 107.85738° W Bottomhole: Latitude: 36.94144° N (NAD83) Longitude: 107.85934° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) K Sec. 35, T32N, R10W API # 30-045- 35183	
14. Distance in Miles from Nearest Town 14 miles to Aztec, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'	17. Acres Assigned to Well 307.82 W2 MV/DK	
16. Acres in Lease 2403.260	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 72' from SJ 32-9 Unit 297 (FC)	22. Approx. Date Work will Start	
19. Proposed Depth 7649'	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 6171' GL	24. Authorized by: <u><i>Dollie L. Busse</i></u> Dollie L. Busse (Staff Regulatory Tech)	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY *D. Mon Kewer* TITLE AFM DATE 7/30/2010

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

DRILLING OPERATIONS AUTHORIZED AND
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

for Directional Survey
and "As Drilled" plat

NMOCD

AUG 06 2010

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

NOTIFY AZTEC OGD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

RECEIVED

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

1220 South St. Francis Dr. JUL 16 2010
Santa Fe, NM 87505

Farmington Field Office
Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35183		*Pool Code 72319/71599	*Pool Name BLANCO MESA VERDE / BASIN DAKOTA
*Property Code 7473	*Property Name SAN JUAN 32-9 UNIT		*Well Number 34 B
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6171'

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
K	35	32N	10W	11	2012'	SOUTH	1329'	WEST	SAN JUAN

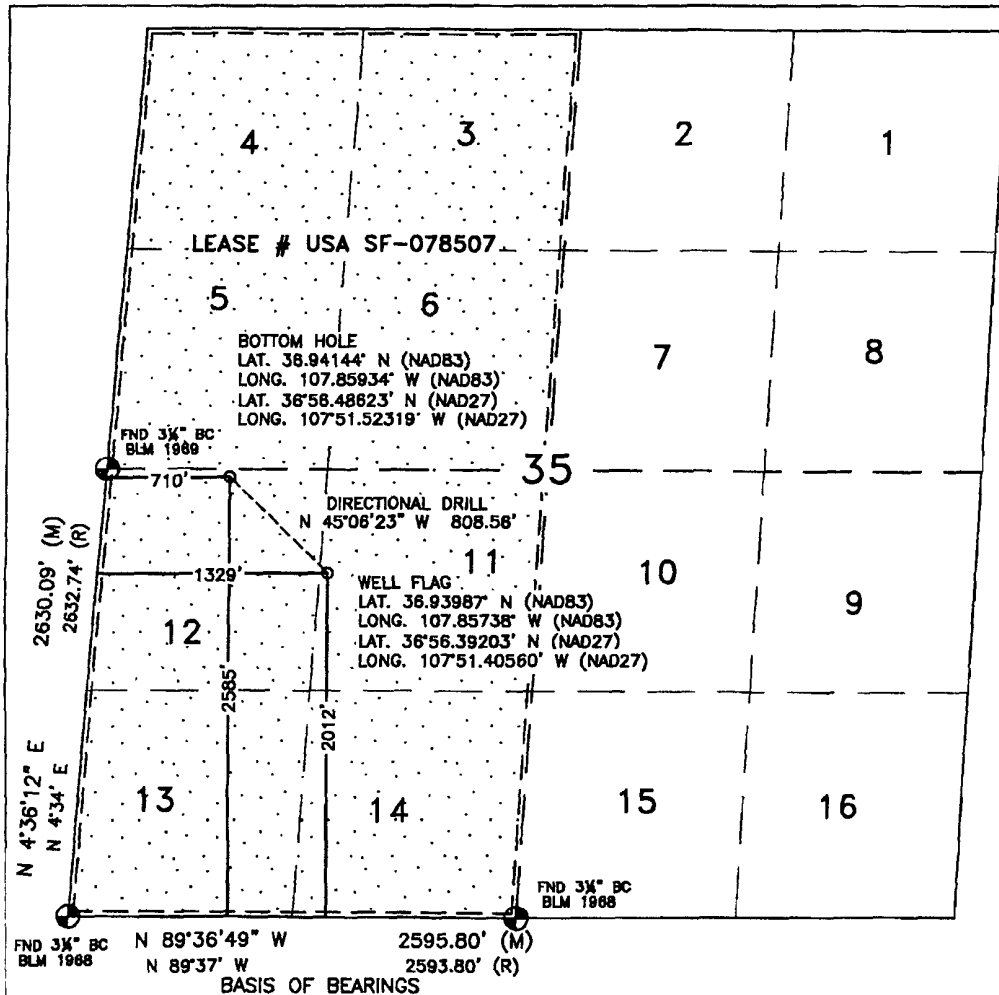
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	35	32N	10W	12	2585'	SOUTH	710'	WEST	SAN JUAN

¹² Dedicated Acres 307.82 Acres 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

16



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 or a compulsory pooling order heretofore entered by the division.

Erhel Tally 3/23/10
Signature Date

Erhel Tally
Printed Name

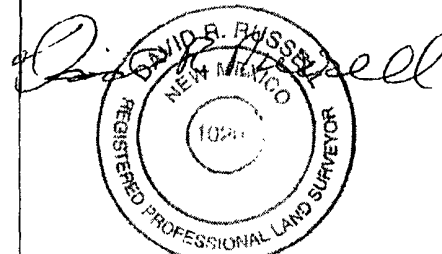
¹⁸ SURVEYOR CERTIFICATION

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.

SEPTEMBER 14, 2009

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number 10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-9 UNIT 34B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9341				AFE \$: 786,098.19	
Field Name: SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.939867	Longitude: -107.856760	X:	Y:	Section: 35		Range: 010W	
Footage X: 1329 FWL	Footage Y: 2012 FSL	Elevation: 6171	(FT)	Township: 032N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.941437	Longitude: -107.858720	X:	Y:	Section: 35		Range: 010W	
Footage X: 710 FWL	Footage Y: 2585 FSL	Elevation:	(FT)	Township: 032N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6186 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
NACIMIENTO	46	6140		☐			
Surface Casing	200	5986		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
FRUITLAND	2414	3772		☐	152	108	Possible Gas - SJ 32-9 229S, 1.4miles away, got wet @ 3452 also SJ 32-9 288S 1.8 miles away, stop dustin @ 3756.
PICTURED CLIFFS	2987	3199		☐	1080		
LEWIS	3180	3006		☐		126	
Intermediate Casing	3280	2906		☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 779 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3707	2479		☐			
CHACRA	4128	2058		☐			
MASSIVE CLIFF HOUSE	4860	1326		☐	248	165	Gas
MENEFEE	4938	1248		☐			
POINT LOOKOUT	5240	946		☐			
MANCOS	5627	559		☐			SJ 32-9 26A, 6170 away, 14' core hole wet @ 6080'
UPPER GALLUP	6608	-422		☐			
GREENHORN	7306	-1120		☐			
GRANEROS	7358	-1172		☐			
TWO WELLS	7428	-1242		☐	3237	225	Gas
PAGUATE	7490	-1304		☐			Gas
UPPER CUBERO	7513	-1327		☐			
LOWER CUBERO	7528	-1342		☐			Gas
ENCINAL	7589	-1403		☐			Gas

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 32-9 UNIT 34B

DEVELOPMENT

Total Depth	7649	-1463	☐	230	6-1/4" hole, 4-1/2" 11.6 ppf, J-55 / L-80, LTC casing. Cement w/ 594 cuft. Circulate cement a minimum of 100' inside the previous casing string.
BURRO CANYON	7680	-1494	☐		Walker 2C, 2.3miles away - got wet during completion, p&a in the dakota.
MORRISON	7768	-1582	☐		

Reference Wells:

Reference Type	Well Name	Comments
Production	Jaquez Gas Com f-1m	
Production	Jaquez Gas Com F-1	

Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

mud log ~100' above glip to TD. perf 20' above TD. Have the mud logger call TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 32-9 #34B
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6186.0ft (AWS rigs)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6186.0ft (AWS rigs)
Site:	San Juan 32 Wells	North Reference:	True
Well:	SJ 32-9 #34B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,043.4	4,860.0	Massive Cliffhouse		0.00		
3,890.4	3,707.0	Huefanito Bentonite		0.00		
6,791.4	6,608.0	Upper Gallup		0.00		
7,696.4	7,513.0	Upper Cubero		0.00		
7,673.4	7,490.0	Paguate		0.00		
7,772.4	7,589.0	Encinal		0.00		
3,170.4	2,987.0	Pictured Cliffs		0.00		
3,363.4	3,180.0	Lewis		0.00		
5,423.4	5,240.0	Point Lookout		0.00		
7,711.4	7,528.0	Lower Cubero		0.00		
7,541.4	7,358.0	Graneros		0.00		
5,121.4	4,938.0	Menefee		0.00		
7,489.4	7,306.0	Greenhorn		0.00		
4,311.4	4,128.0	Chacra		0.00		
7,611.4	7,428.0	Two Wells		0.00		
2,597.1	2,414.0	Fruitland		0.00		
5,810.4	5,627.0	Mancos		0.00		

REFERENCE INFORMATION

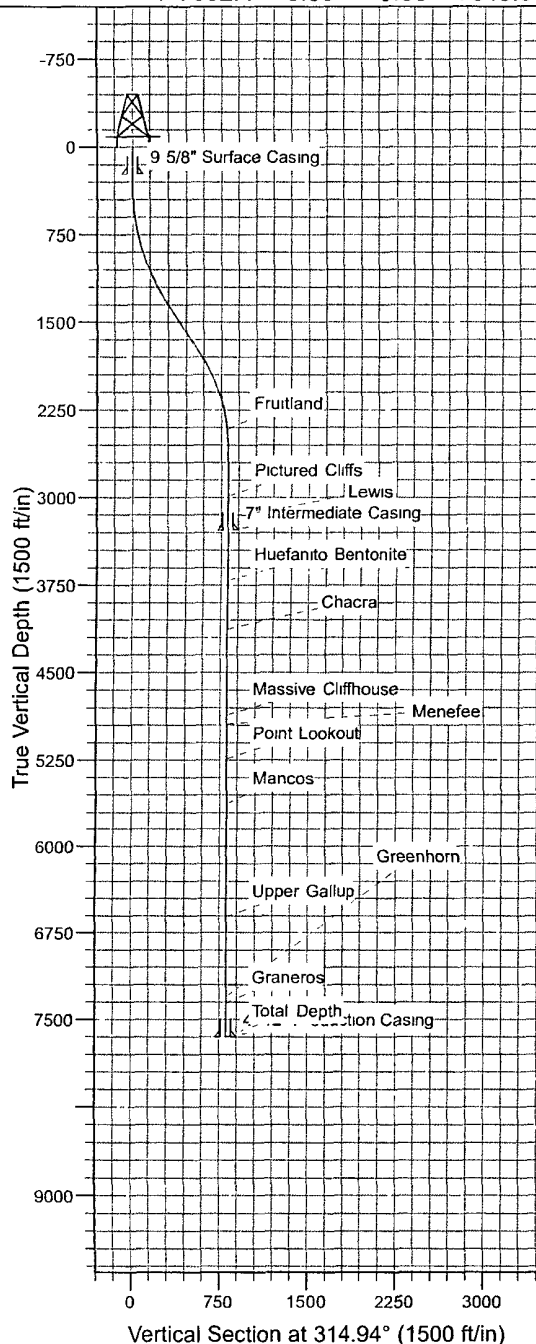
RKB @ 6186.0ft (AWS rigs)
Ground Elevation 6171.0
Reference Lat: 36° 56' 23.522 N
Reference Long: 107° 51' 24.336 W

Project: San Juan Basin - New Mexico Well
Site: San Juan 32 Wells
Well: SJ 32-9 #34B
Wellbore: Principal Wellbore
Design: Plan #1



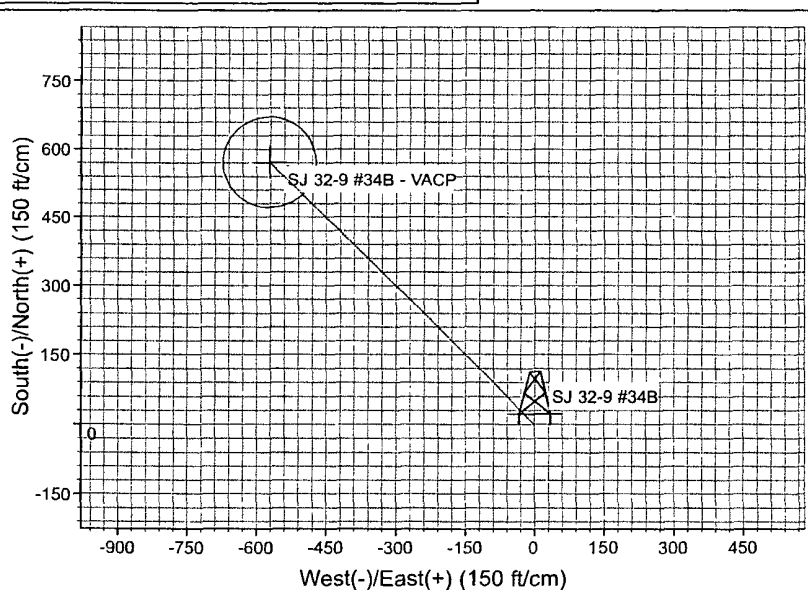
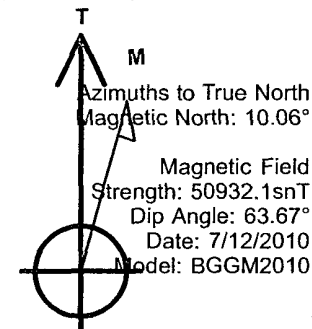
SECTION DETAILS

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	1404.0	32.52	314.94	1346.8	211.6	-212.0	3.00	314.94	299.5	
4	1934.4	32.52	314.94	1793.9	413.0	-413.8	0.00	0.00	584.6	
5	2747.4	0.00	0.00	2564.0	571.6	-572.8	4.00	180.00	809.2	SJ 32-9 #34B - VACP
6	3463.4	0.00	0.00	3280.0	571.6	-572.8	0.00	0.00	809.2	SJ 32-9 #34B - ICP
7	7832.4	0.00	0.00	7649.0	571.6	-572.8	0.00	0.00	809.2	SJ 32-9 #34B - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2414.0	2597.1	Fruitland
2987.0	3170.4	Pictured Cliffs
3180.0	3363.4	Lewis
3707.0	3890.4	Huefanito Bentonite
4128.0	4311.4	Chacra
4860.0	5043.4	Massive Cliffhouse
4938.0	5121.4	Menefee
5240.0	5423.4	Point Lookout
5627.0	5810.4	Mancos
6608.0	6791.4	Upper Gallup
7306.0	7489.4	Greenhorn
7358.0	7541.4	Graneros
7428.0	7611.4	Two Wells
7490.0	7673.4	Paguate
7513.0	7696.4	Upper Cubero
7528.0	7711.4	Lower Cubero
7589.0	7772.4	Encinal



BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 32-9 UNIT #34 B
2012' FSL & 1329' FWL
LOCATED IN THE NE/4 SW/4 OF SECTION 35,
T32N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM THE POST OFFICE IN AZTEC, GO 0.8 MILES TO THE INTERSECTION OF HWY 516 HWY 550.
- 2) TURN RIGHT ON HWY 550 & GO 9.7 MILES TO THE INTERSECTION OF HWY 550 & CR 2390.
- 3) TURN RIGHT ONTO CR 2390 & GO 2.1 MILES.
- 4) TURN RIGHT & GO 1.5 MILES THROUGH EXISTING PAD TO NEXT EXISTING PAD TO THE NORTH WHERE PROPOSED PAD IS TWINNED.

WELL FLAG LOCATED AT LAT. 36.93987° N, LONG. 107.85738° W (NAD 83)

