

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 23 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-080376 Unit Reporting Number	
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 RCVD MAR 16 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit L(NWSW), 1749' FSL & 1227' FWL Bottomhole: Unit N(ESW), 780' FSL & 1880' FWL Surf: Latitude: 36.91016° N (NAD83) Longitude: 107.79043° W Bottomhole: Latitude: 36.90753° N (NAD83) Longitude: 107.78813° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 9, T31N, R9W API # 30-045- 35107	
14. Distance in Miles from Nearest Town 17 miles / Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 780'		
16. Acres in Lease 631.270	17. Acres Assigned to Well 314.92 W/2 - MV/DK	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 72' from San Juan 32-9 Unit 107 (PC)		
19. Proposed Depth 8085'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6652' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Tech)	Date <u>2/23/2010</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Mankel

TITLE AFM

DATE 3/12/2010

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

MAR 17 2010

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

Hold C104

for Directional Survey and "As Drilled" plat

NMOCDO

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

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

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 86210

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

RECEIVED

Form C-102
Revised October 12, 2005

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Bureau of Land Management
Farmington Field Office

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35107	² Pool Code 72319 / 71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7473	⁵ Property Name SAN JUAN 32-9 UNIT	⁶ Well Number 15 B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6652'

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
L	9	31N	9W	12	1749'	SOUTH	1227'	WEST	SAN JUAN

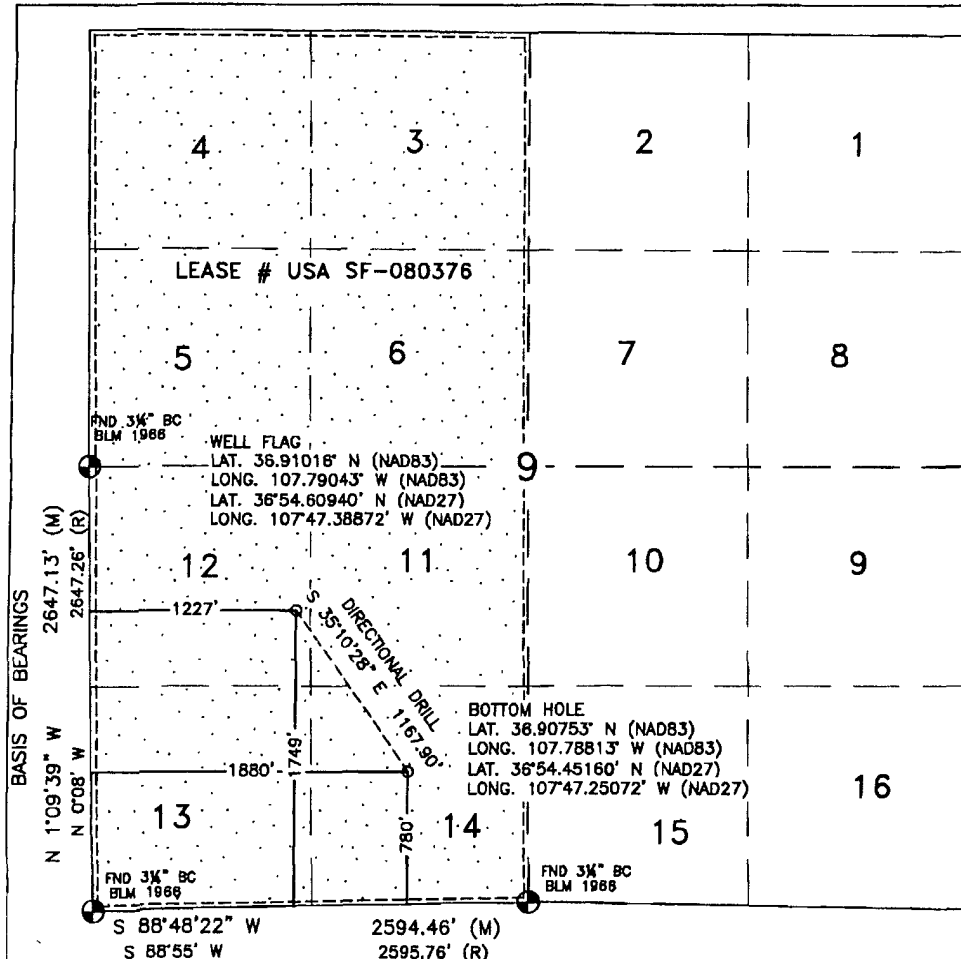
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	9	31N	9W	14	780'	SOUTH	1880'	WEST	SAN JUAN

¹² Dedicated Acres 314.92 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

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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.

Crystal Tafoya 11/6/09
Signature Date

Crystal Tafoya 11/6/09
Printed Name

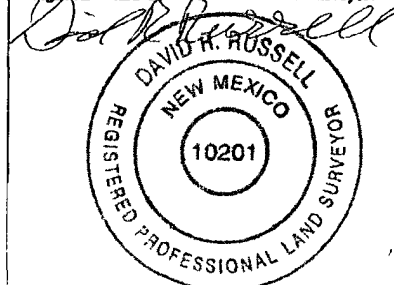
¹⁸ SURVEYOR CERTIFICATION

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.

OCTOBER 13, 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 15B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9359				AFE \$: 1,038,221.30	
Field Name: SAN JUAN		Rig: XXX Must be 2011		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: 36.910157	Longitude: -107.789812	X:	Y:	Section: 09	Range: 009W		
Footage X: 1227 FWL	Footage Y: 1749 FSL	Elevation: 6652	(FT)	Township: 031N			
Tolerance:							
Location: Bottom Hole Datum Code NAD 27 Directional							
Latitude: 36.907527	Longitude: -107.787512	X:	Y:	Section: 09	Range: 009W		
Footage X: 1880 FWL	Footage Y: 780 FSL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6667 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6467	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.	
NACIMIENTO	660	6007	☐				
OJO ALAMO	2063	4604	☐				
KIRTLAND	2192	4475	☐				
FRUITLAND	2937	3730	☐			Possible Gas	
PICTURED CLIFFS	3511	3156	☐				
LEWIS	3651	3016	☐				
Intermediate Casing	3751	2916	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 895 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4231	2436	☐				
CHACRA	4640	2027	☐				
UPPER CLIFF HOUSE	5315	1352	☐			Gas; Est. Top Perf - 5317 (1350)	
MASSIVE CLIFF HOUSE	5369	1298	☐	250		Gas; Cliffhouse is dry	
MENEFEE	5444	1223	☐				
POINT LOOKOUT	5764	903	☐				
MANCOS	6134	533	☐				
UPPER GALLUP	7103	-436	☐				
GREENHORN	7767	-1100	☐				
GRANEROS	7817	-1150	☐				
TWO WELLS	7887	-1220	☐	3248		Gas	
PAGUATE	7945	-1278	☐				
UPPER CUBERO	7979	-1312	☐				
LOWER CUBERO	7997	-1330	☐			Est. Btm Perf - 8065 (-1398) based on offset wells	

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 32-9 UNIT 15B

DEVELOPMENT

ENCINAL	8045	-1378	☐	TD - 40' below T/ENCN
Total Depth	8085	-1418	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 590 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 32-9 113	31N 9W 9 NE SW NW
Production	Sunray G-3M	31N 9W 21 NW SE NW
Production	SJ 32-9 SWD 5	31N 9W 18 NE NE NE
Production	SJ 32-9 114	31N 9W 17 SE NW NE

Logging Program:

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

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

Cased Hole GR / CBL

Mudlog from 100' above top of GRHN to TD - mudlogger will 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 #15B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6667.0ft (H&P RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6667.0ft (H&P RIGS)
Site:	San Juan 32 Wells	North Reference:	True
Well:	SJ 32-9 #15B	Survey Calculation Method:	Minimum Curvature
Wellbore Design:	Principal Wellbore Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
8,270.7	8,045.0	Encinal		0.00		
6,359.7	6,134.0	Mancos		0.00		
661.8	660.0	Nacimiento		0.00		
8,204.7	7,979.0	Upper Cubero		0.00		
3,876.6	3,651.0	Lewis		0.00		
8,112.7	7,887.0	Two Wells		0.00		
5,594.7	5,369.0	Massive Cliffhouse		0.00		
4,456.7	4,231.0	Huefanito Bentonite		0.00		
2,178.5	2,063.0	Ojo Alamo		0.00		
8,042.7	7,817.0	Graneros		0.00		
5,540.7	5,315.0	Upper Cliff house		0.00		
4,865.7	4,640.0	Chacra		0.00		
8,222.7	7,997.0	Lower Cubero		0.00		
5,669.7	5,444.0	Menefee		0.00		
3,135.9	2,937.0	Fruitland		0.00		
2,319.8	2,192.0	Kirtland		0.00		
3,736.0	3,511.0	Pictured Cliffs		0.00		
7,992.7	7,767.0	Greenhorn		0.00		
8,170.7	7,945.0	Paguate		0.00		
5,989.7	5,764.0	Point Lookout		0.00		
7,328.7	7,103.0	Upper Gallup		0.00		

REFERENCE INFORMATION

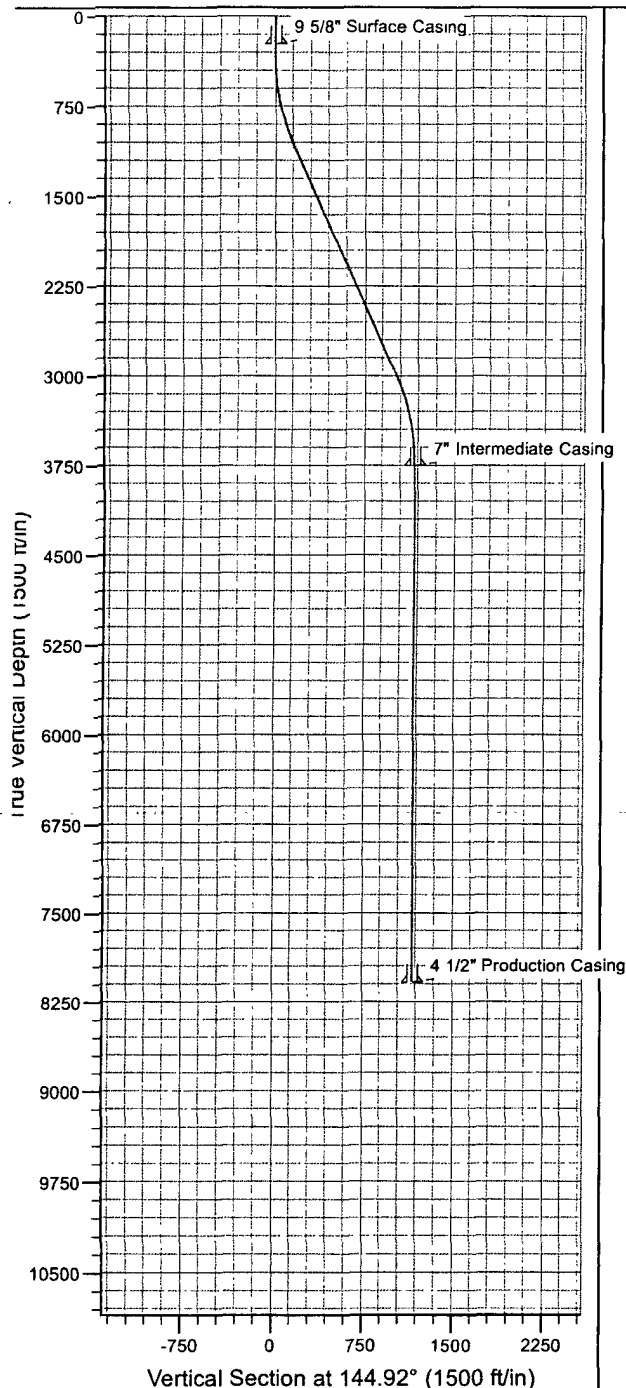
RKB @ 6667.0ft (H&P RIGS)
 Ground Elevation 6652.0
 Reference Lat: 36° 54' 36.564 N
 Reference Long: 107° 47' 23.323 W

Project: San Juan Basin - New Mexico Wells
 Site: San Juan 32 Wells
 Well: SJ 32-9 #15B
 Wellbore: Principal Wellbore
 Design: Plan #1



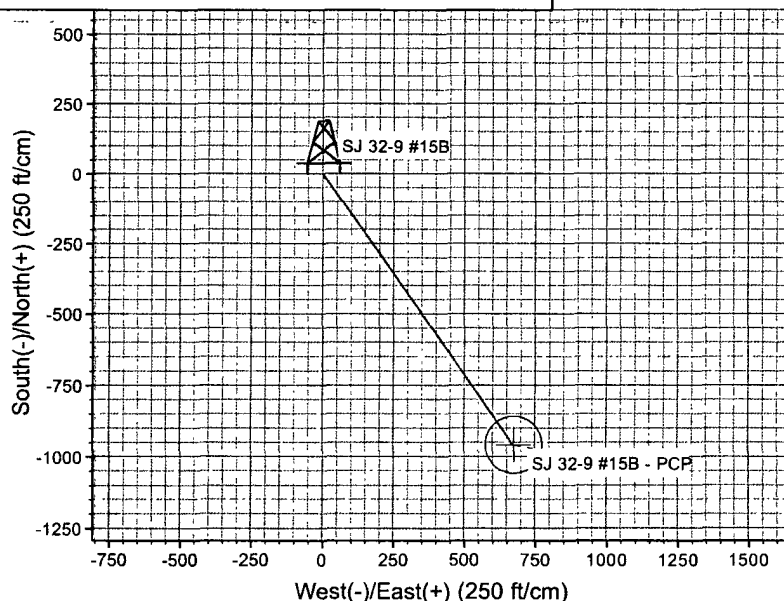
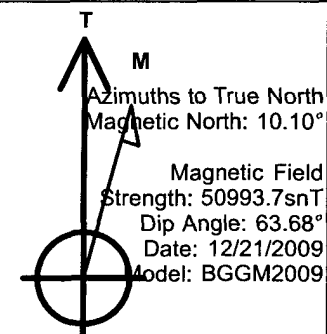
SECTION DETAILS

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	1123.4	24.10	144.92	1099.9	-136.3	95.7	3.00	144.92	166.5	
4	3173.3	24.10	144.92	2971.1	-821.3	576.8	0.00	0.00	1003.6	
5	3976.7	0.00	0.00	3751.0	-957.5	672.5	3.00	180.00	1170.1	SJ 32-9 #15B - ICP
6	8310.7	0.00	0.00	8085.0	-957.5	672.5	0.00	0.00	1170.1	SJ 32-9 #15B - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
660.0	661.8	Nacimiento
2063.0	2178.5	Ojo Alamo
2192.0	2319.8	Kirtland
2937.0	3135.9	Fruitland
3511.0	3736.0	Pictured Cliffs
3651.0	3876.6	Lewis
4231.0	4456.7	Huefanito Bentonite
4640.0	4865.7	Chacra
5315.0	5540.7	Upper Cliff house
5369.0	5594.7	Massive Cliffhouse
5444.0	5669.7	Menefee
5764.0	5989.7	Point Lookout
6134.0	6359.7	Mancos
7103.0	7328.7	Upper Gallup
7767.0	7992.7	Greenhorn
7817.0	8042.7	Graneros
7887.0	8112.7	Two Wells
7945.0	8170.7	Paguate
7979.0	8204.7	Upper Cubero
7997.0	8222.7	Lower Cubero
8045.0	8270.7	Encinal



BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 32-9 UNIT #15 B
1749' FSL & 1227' FWL
LOCATED IN THE NW/4 SW/4 OF SECTION 9,
T31N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 550 & HWY 516 IN AZTEC, TRAVEL NORTH EASTERLY ON HWY 550 FOR 4.0 MILES.
- 2) TURN RIGHT ONTO CR 2770 (HART CANYON RD) AND GO 6.7 MILES.
- 3) TURN LEFT & GO 5.0 MILES.
- 4) TURN RIGHT & GO 1.0 MILE
- 5) TURN RIGHT & GO 100'
- 6) TURN LEFT INTO EXISTING LOCATION WHERE PAD IS TWINNED.

WELL FLAG LOCATED AT LAT. 36.91016° N, LONG. 107.79043° W (NAD 83).

