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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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-077652 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
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	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name RCVD AUG 2 '10 OIL CONS. DIV. DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name East 9. Well Number 9N
4. Location of Well Surface: Unit M(SWSW), 715' FSL & 1220' FWL BHL: Unit L(NWSW), 1880' FSL & 1025' FWL Surface: Latitude: 36.864891° N (NAD83) Longitude: 108.054695° W Bottomhole: Latitude: 36.868093° N (NAD83) Longitude: 108.055351° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) M Sec. 25, T31N, R12W API # 30-045-35182
14. Distance in Miles from Nearest Town 4.9 miles from Aztec, NM	12. County San Juan
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 715'	
16. Acres in Lease 2514.580	17. Acres Assigned to Well 320.00 W2 - MV/DK
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 289' from East 21 (PC)	
19. Proposed Depth 7109'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5974' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Dollie L. Busse</u> Dollie L. Busse (Staff Regulatory Tech)	<u>7-15-10</u> Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY D. Montee TITLE AFM DATE 7/29/2010

Archaeological Report attached A gas recovery unit may or may not be used on this location.
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

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".
Hold C104
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

Pc

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West 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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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Form C-102
Revised October 12, 2005

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

Farmington Field Office
Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35182	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 18517	⁵ Property Name EAST	⁶ Well Number 9N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 5974'

¹⁰ Surface Location

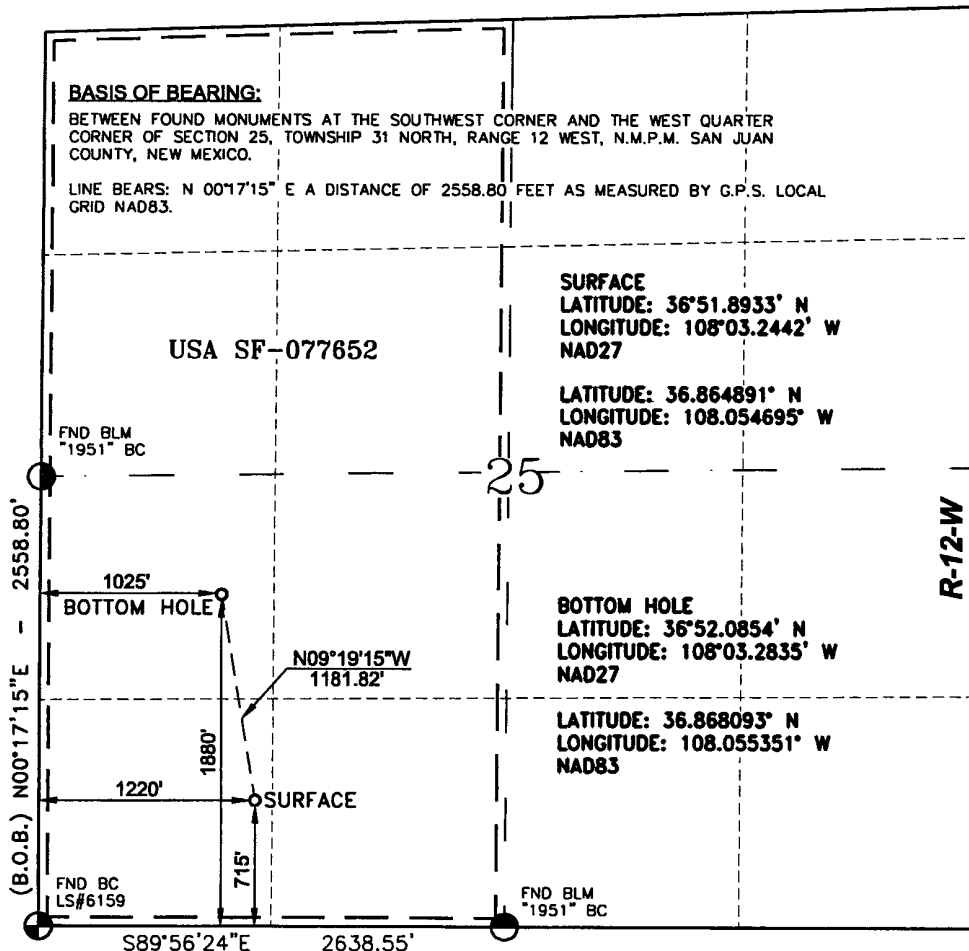
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	25	31-N	12-W		715	SOUTH	1220	WEST	SAN JUAN

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	25	31-N	12-W		1880	SOUTH	1025	WEST	SAN JUAN
¹² Dedicated Acres DK 320.00 ACRES W/2 MV 320.00 ACRES W/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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 of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Ethel Tally
Signature

Ethel 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.

February 9, 2010
Date of Survey

Signature and Seal of



GLEN W. RUSSELL
Certificate Number

15703

PC

PROJECT PROPOSAL - New Drill / Sidetrack

EAST 9N
DEVELOPMENT

Lease:		AFE #: WAN.CDR.9383				AFE \$: 875,531.49	
Field Name: SAN JUAN		Rig: Aztec Rig 711		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						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface		Datum Code: NAD 27				Directional:	
Latitude: 36.864888	Longitude: -108.054069	X:	Y:	Section: 25	Range: 012W		
Footage X: 1220 FWL	Footage Y: 715 FSL	Elevation: 5974	(FT)	Township: 031N			
Tolerance:							
Location: Bottom Hole		Datum Code: NAD 27				Directional:	
Latitude: 36.868090	Longitude: -108.054725	X:	Y:	Section: 25	Range: 012W		
Footage X: 1025 FWL	Footage Y: 1880 FSL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5989 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5789		☐			12 1/4" hole 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	829	5160		☐			
KIRTLAND	919	5070		☐			
FRUITLAND	1796	4193		☐			Possible Gas
PICTURED CLIFFS	2413	3576		☐			
LEWIS	2556	3433		☐			
Intermediate Casing	3056	2933		☐	109		8-3/4" hole, 7", 23 ppf, J-55, LTC Casing. Cement with 756 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3156	2833		☐			
CHACRA	3507	2482		☐			
UPPER CLIFF HOUSE	3958	2031		☐			Est. Top Perf - 3960 (2029)
MASSIVE CLIFF HOUSE	4091	1898		☐	524		Cliffhouse is wet
MENEFEE	4212	1777		☐			
POINT LOOKOUT	4743	1246		☐			GAS
MANCOS	5101	888		☐			
UPPER GALLUP	6019	-30		☐			
GREENHORN	6755	-766		☐			
GRANEROS	6811	-822		☐			
TWO WELLS	6868	-879		☐	2198		Gas
PAGUATE	6929	-940		☐			
UPPER CUBERO	6971	-982		☐			
ENCINAL	7023	-1034		☐			Est. Btm Perf - 7057 (- 1068) based on offset wells

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

EAST 9N

DEVELOPMENT

BURRO CANYON	7105	-1116	☐	
MORRISON	7109	-1120	☐	TD - T/MRSN based on mud drill w/ intermediate casing
Total Depth	7109	-1120	☐	198 6 1/4" hole, 4-1/2" 11.6 ppf, L-80 / J-55 LTC casing. Cement with 552 cuft. Circulate cement a minimum of 100-ft inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	East 8	31N 12W 26 NW SE SE
Production	Oliver SRC 1N	31N 12W 25 SE NW SE
Production	East 9M	31N 12W 25 S2 NE NW
Production	East 9	31N 12W 25 NW SE SW

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 GLLP to TD - mudlogger will call 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 EAST #9N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 5989.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 5989.0ft (AWS RIGS)
Site:	Other Named Wells	North Reference:	True
Well:	EAST #9N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction	
7,118.4	6,811.0	Graneros		0.00		
7,416.4	7,109.0	Momson		0.00		
3,463.4	3,156.0	Huerf. Bent		0.00		
3,814.4	3,507.0	Chacra		0.00		
7,416.4	7,109.0	Total Depth		0.00		
6,326.4	6,019.0	Gallup		0.00		
2,852.7	2,556.0	Lewis		0.00		
835.2	829.0	Ojo Alamo		0.00		
5,408.4	5,101.0	Mancos Shale		0.00		
7,412.4	7,105.0	Burro Canyon		0.00		
4,519.4	4,212.0	Menefee		0.00		
4,265.4	3,958.0	Upper Cliffhouse		0.00		
7,236.4	6,929.0	Paguate		0.00		
2,696.6	2,413.0	Pictured Cliffs		0.00		
929.3	919.0	Kirtland		0.00		
4,398.4	4,091.0	Massive Cliffhouse		0.00		
1,952.1	1,796.0	Fruitland		0.00		
7,278.4	6,971.0	Upper Cubero		0.00		
5,050.4	4,743.0	Pt. Lookout		0.00		
7,330.4	7,023.0	Encinal		0.00		
7,062.4	6,755.0	Greenhorn		0.00		

REFERENCE INFORMATION

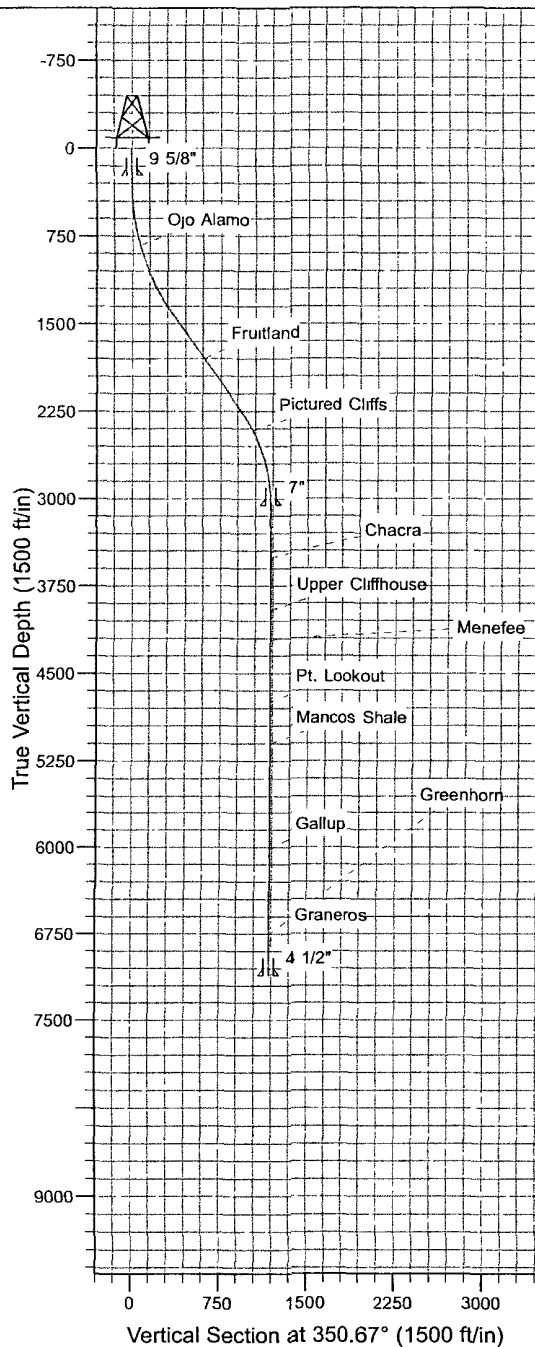
RKB @ 5989.0ft (AWS RIGS)
Ground Elevation 5974.0
Reference Lat: 36° 51' 53.598 N
Reference Long: 107° 3' 14.652 W

Project: San Juan Basin - New Mexico Well
Site: Other Named Wells
Well: EAST #9N
Wellbore: Principal Wellbore
Design: Plan #1



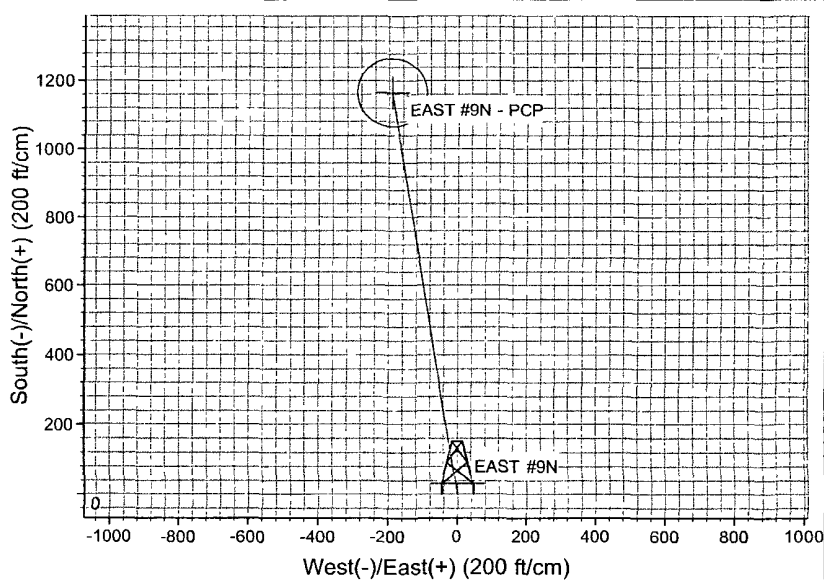
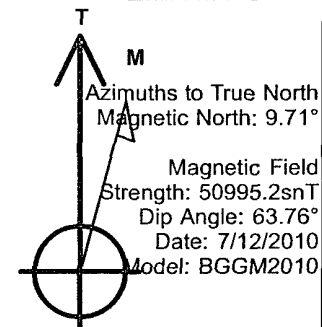
SECTION DETAILS

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	1492.1	35.16	350.67	1419.9	343.9	-56.5	3.00	350.67	348.5	
4	2484.4	35.16	350.67	2231.1	907.8	-149.2	0.00	0.00	919.9	
5	3363.4	0.00	0.00	3056.0	1165.7	-191.6	4.00	180.00	1181.3	EAST #9N - ICP
6	7416.4	0.00	0.00	7109.0	1165.7	-191.6	0.00	0.00	1181.3	EAST #9N - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
829.0	835.2	Ojo Alamo
919.0	929.3	Kirtland
1796.0	1952.1	Fruitland
2413.0	2696.6	Pictured Cliffs
2556.0	2852.7	Lewis
3156.0	3463.4	Huerf. Bent.
3507.0	3814.4	Chacra
3958.0	4265.4	Upper Cliffhouse
4091.0	4398.4	Massive Cliffhouse
4212.0	4519.4	Menefee
4743.0	5050.4	Pt. Lookout
5101.0	5408.4	Mancos Shale
6019.0	6326.4	Gallup
6755.0	7062.4	Greenhorn
6811.0	7118.4	Graneros
6929.0	7236.4	Paguate
6971.0	7278.4	Upper Cubero
7023.0	7330.4	Encinal
7105.0	7412.4	Burro Canyon
7109.0	7416.4	Morrison
7109.0	7416.4	Total Depth



Directions from the Intersection of Hwy 550 &
Hwy 574 in Aztec, NM

To:

**Burlington Resources Oil & Gas Company LP
EAST #9N**

**715' FSL & 1220' FWL,
Section 25, T31N, R12W, N.M.P.M.,
San Juan County, New Mexico
LAT. 36° 51' 53.609" N
LONG. 108° 03' 16.903" W
NAD 1983**

From the Intersection of Hwy 550 & Hwy 574,
Take Hwy 574 northerly for 3.6 miles to CR 3084,
Turn left (westerly) on CR 3084 0.2 miles,
Turn left (southerly) 0.3 miles,
Turn right (westerly) 0.4 miles,
Turn left (southwesterly) 0.4 miles,
turn left (southerly) 200' to beginning of existing access,
on east side of existing location, EAST #21.