

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
10 am
MAR 27 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

BLM Management
Fairington Field Office

1a. Type of Work DRILL	5. Lease Number SF-079304-A 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 DK- NM NM 76009 MV- NM NM 99452	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Sanchez A 9. Well Number 2N RCVD MAY 5 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Unit I (NESE), 1530' FSL & 1230' FEL Latitude: 36.468984° N (NAD83) Longitude: 107.486548° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 20, T26N, R6W API # 30-039-30954	
14. Distance in Miles from Nearest Town 51 miles / Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1230'	17. Acres Assigned to Well 320.00 S/2 - MV/DK	
16. Acres in Lease 160.00		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 974' from Sanchez A 3		
19. Proposed Depth 7420' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6653' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	3/18/2010 30 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 4

Bond Numbers NMB-000015 and NMB-000089

MAY 13 2010

NMOC

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

5-7-89

Date of Survey

Signature and Seal of Professional Surveyor:

GLENN W. RUSSELL
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR

G. W. Russell

Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SANCHEZ A 2N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9032		AFE \$: 1,372,044.80	
Field Name: SAN JUAN		Rig: XXX 2010 Holding		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface Datum Code: NAD 27 Straight Hole					
Latitude: 36.470249	Longitude: -107.485668	X:	Y:	Section: 20	Range: 006W
Footage X: 1150 FEL	Footage Y: 1990 FSL	Elevation: 6636	(FT)	Township: 026N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6636 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	320	6316	☐		
OJO ALAMO	2210	4426	☐		
KIRTLAND	2373	4263	☐		
FRUITLAND	2495	4141	☐		Possible Gas
PICTURED CLIFFS	2886	3750	☐		
LEWIS	2972	3664	☐		
HUERFANITO BENTONITE	3304	3332	☐		
CHACRA	3752	2884	☐		
UPPER CLIFF HOUSE	4399	2237	☐		Est. Top Perf - 4415 (2235)
MASSIVE CLIFF HOUSE	4542	2094	☐	454	
MENEFEE	4573	2063	☐		
POINT LOOKOUT	5120	1516	☐		GAS
MANCOS	5446	1190	☐		
UPPER GALLUP	6200	436	☐		
GREENHORN	7038	-402	☐		
GRANEROS	7094	-458	☐		
TWO WELLS	7153	-517	☐	2696	Gas
PAGUATE	7203	-567	☐		
UPPER CUBERO	7238	-602	☐		
LOWER CUBERO	7270	-634	☐		
OAK CANYON	7313	-677	☐		
ENCINAL	7340	-704	☐		Est. Btm Perf - 7394 (-744) based on offset wells
BURRO CANYON	7392	-756	☐		TD - 80' below T/ENCN
Total Depth	7420	-784	☐		7 7/8" hole, 4-1/2" 11.6 ppf, N-80/L-80 LTC casing. Cement with 2183 cuft. Circulate cement to surface.
MORRISON	7484	-848	☐		
Reference Wells:					

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San Juan Business Unit

SANCHEZ A 2N

DEVELOPMENT

Reference Type	Well Name	Comments
Production	Kaime 2	26N 6W 20 SW NE NE
Production	Scott Federal 5	26N 6W 21 NE SW SW
Production	Sanchez A 3	26N 6W 20 NE SW SE
Production	Sanchez A 2M	26N 6W 20 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 GRHN to TD - mudlogger will call TD.
Mudlog to determine if gas show warrants completion in Encinal.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Directions from the Intersection of
Hwy 550 & Hwy 64 in Bloomfield, NM

To:

Burlington Resources Oil & Gas Company LP

SANCHEZ A 2N

1530' FSL & 1230' FEL,

Section 20, T26N, R6W, N.M.P.M., Rio Arriba County,

New Mexico

Latitude: 36 ° 28' 08.344" N

Longitude: 107 ° 29' 11.574" W

NAD 1983

Take Hwy 550 (south) for 1.0 miles to
CR 4900 (South Sullivan rd.)
turn left (easterly) on CR 4900 15.0 miles to Five Mile Bridge
stay right @ intersection (southeasterly) for 3.2 miles,
across 10 mile bridge, continue (southeasterly) 18.2 miles,
to Old Largo Canyon School, stay left (easterly) across Ice
Canyon Bridge 3.8 miles,
turn right (southeasterly) 0.15 miles,
turn right (southerly) 1.6 miles,
stay right @ 3 way intersection 0.2 miles,
turn right (southerly) 1.0 miles,
turn right (westerly) 1.8 miles,
to beginning of new access on left side of road and
continues for 243.83' to the newly staked location.