


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

DEC 15 2009

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-078128 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 RCVD JAN 21 '10 OIL CONS. DIV.
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Delhi Turner DIST. 3 9. Well Number 1M
4. Location of Well Surf: Unit F (SENW), 2285' FNL & 995' FWL Surf: Latitude: 36.81285° N (NAD83) Longitude: 107.82372° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 18, T30N, R9W API # 30-045-35069
14. Distance in Miles from Nearest Town 13 Miles / Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 995'	
16. Acres in Lease 838.170	17. Acres Assigned to Well R-2046-DK 304.39 SW/4 Sec. 7 & W/2 Sec. 18 R-35-MV
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 500' from Thompson Turner 5	
19. Proposed Depth 7566'	 H ₂ S POTENTIAL EXIST 20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6278' 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 Technician)	12/15/2009 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

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

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

FEB 04 2010

NMOCD 10

NOTIFY AZTEC OLD 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
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

Form C-102
Revised October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 3806A	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 6954	*Property Name DELHI TURNER	*Well Number 1M
*GRID No 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 6278'

¹⁰ Surface Location

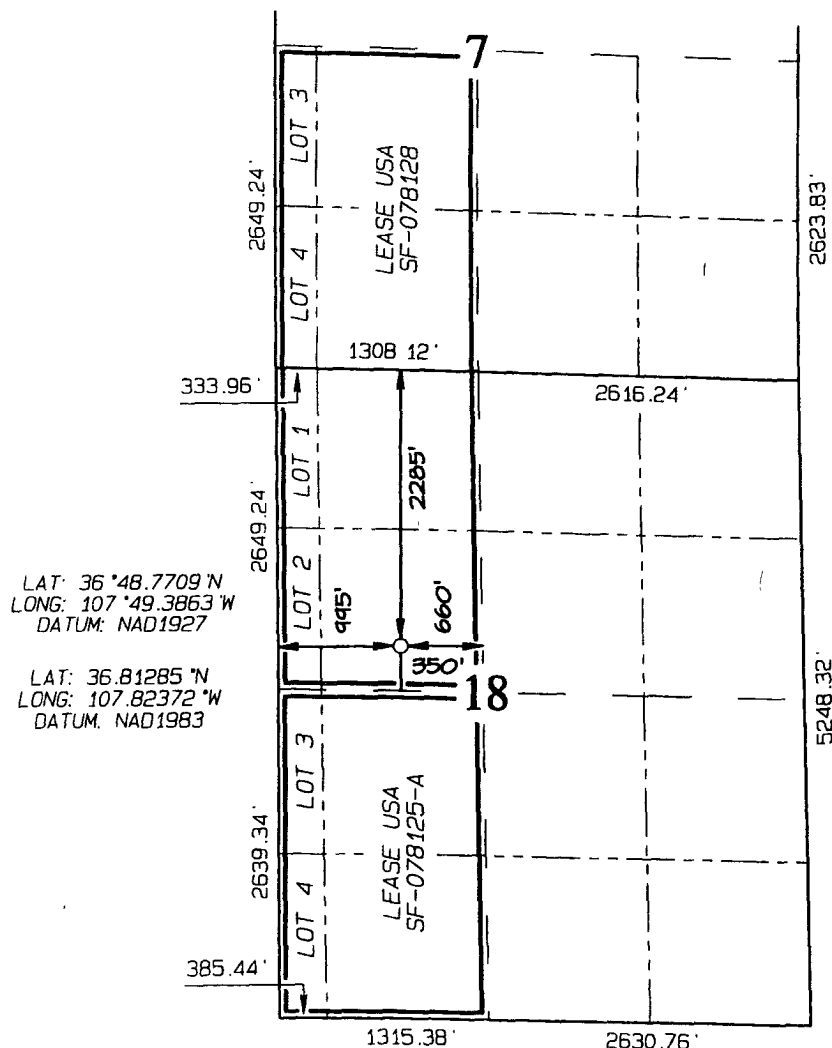
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	18	30N	9W		2285	NORTH	995	WEST	SAN JUAN

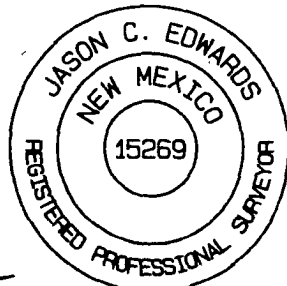
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F									

¹² Dedicated Acres 304.39 Acres SW/4 Section 7 & W/2 Section 18	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No R35-MV R-2046-BKoly
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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 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 <i>Crystal Tafoya</i>	Date 8/28/09
Printed Name Crystal Tafoya	
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: APRIL 13, 2009	
Signature and Seal of Professional Surveyor	
	
Certificate Number 15269	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

DELHI TURNER 1M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9013			AFE \$: 1,500,716.30	
Field Name: SAN JUAN		Rig: H&P Rig 282		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:						
Datum Code: NAD 27		Datum Code: NAD 27				
Latitude: 36.812846	Longitude: -107.823102	X:	Y:	Section: 18	Range: 009W	
Footage X: 995 FWL	Footage Y: 2285 FNL	Elevation: 6278	(FT)	Township: 030N		
Tolerance:						
Location Type: Year Round		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:
Formation Data: Assume KB = 6294 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	202	6092	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	258	6036	<input type="checkbox"/>			
OJO ALAMO	1638	4656	<input type="checkbox"/>			
KIRTLAND	1792	4502	<input type="checkbox"/>			
FRUITLAND	2361	3933	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2986	3308	<input type="checkbox"/>			
LEWIS	3095	3199	<input type="checkbox"/>			
Intermediate Casing	3195	3099	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, LTC ^{STC} Casing. Cement with 719 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3692	2602	<input type="checkbox"/>			
CHACRA	3999	2295	<input type="checkbox"/>			Est. Top Perf - 3999 (2293)
UPPER CLIFF HOUSE	4485	1809	<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	4600	1694	<input type="checkbox"/>	303		Gas
MENEFEE	4799	1495	<input type="checkbox"/>			
POINT LOOKOUT	5208	1086	<input type="checkbox"/>			
MANCOS	5559	735	<input type="checkbox"/>			
UPPER GALLUP	6486	-192	<input type="checkbox"/>			
GREENHORN	7224	-930	<input type="checkbox"/>			
GRANEROS	7278	-984	<input type="checkbox"/>			
TWO WELLS	7322	-1028	<input type="checkbox"/>	2597		Gas
PAGUATE	7426	-1132	<input type="checkbox"/>			
UPPER CUBERO	7454	-1160	<input type="checkbox"/>			
LOWER CUBERO	7465	-1171	<input type="checkbox"/>			Est. Btm Perf - 7544 (-1252) based on offset wells
ENCINAL	7526	-1232	<input type="checkbox"/>			TD - 40' below T/ENCN
Total Depth	7566	-1272	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 595 cuft. Circulate cement a minimum of 100' inside the previous casing string.
BURRO CANYON	7578	-1284	<input type="checkbox"/>			

PROJECT PROPOSAL - New Drill / Sidetrack

DELHI TURNER 1M

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments
Production	Florance Federal 1-13	30N 9W 18 SE NW NE
Production	Turner 5	30N 9W 18 NW
Production	Turner 1	30N 9W 18 S2 NW SW
Production	Riddle Com 8	30N 9W 18 SW NE SE

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

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Directions from the Intersection of US Hwy 550 & State Hwy 173 in Aztec, NM

to Burlington Resources Oil & Gas Company Delhi Turner #1M

2285' FNL & 995' FWL, Section 18, T30N, R9W, N.M.P.M., San Juan County, NM

Latitude : 36.81285°N Longitude : 107.82372°W Datum : NAD1983

From the intersection of US Hwy 550 & State Hwy 173 in Aztec, NM, travel Easterly on State Hwy 173 for 10.9 miles;

Go left (North-easterly) for 0.2 miles to fork in road;

Go left (North-westerly) for 1.2 miles to fork in road;

Go left (South-westerly) for 0.5 miles to new access on left-hand side of existing roadway which continues for 127' to staked location.