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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 23 2010

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-079265 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 MAR 23 '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 Klein 9. Well Number 24N
4. Location of Well Surf: Unit N (SESW), 1190' FSL & 1930' FWL Surf: Latitude: 36.43882° N (NAD83) Longitude: 107.45721° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 34, T26N, R6W API # 30-039-30936
14. Distance in Miles from Nearest Town 35 miles / Blanco	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 1190'	13. State NM
16. Acres in Lease 2,242.480	17. Acres Assigned to Well 320.00 S/2 - MV/DK
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 514' from Klein 12 (CH)	
19. Proposed Depth 7474'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6731' GL	22. Approx. Date Work will Start 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 2/23/2010
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Tech)	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

NMOCD

MAR 3 1 2010

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

RECEIVED

FEB 23 2010

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

Bureau of Land Management
Farmington Suboffice

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

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

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30936		*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 7228	*Property Name KLEIN		*Well Number 24 N
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6731'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot 14n	Feet from the	North/South line	Feet from the	East/West line	County
N	34	26N	6W		1190'	SOUTH	1930'	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 14n	Feet from the	North/South line	Feet from the	East/West line	County
N									
*Dedicated Acres DK/MV-320.0 Acres - (S/2)			*Joint or Infill		*Consolidation Code		*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

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 undivided 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 temporary pooling order heretofore entered by the division.

Crystal Tafoya 4/24/09
Signature Date

Crystal Tafoya 4-24-09

Printed Name

18 SURVEYOR CERTIFICATION

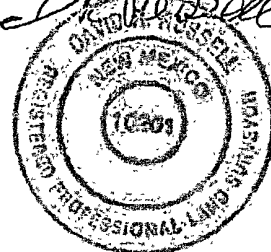
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MARCH 9, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

David Russell

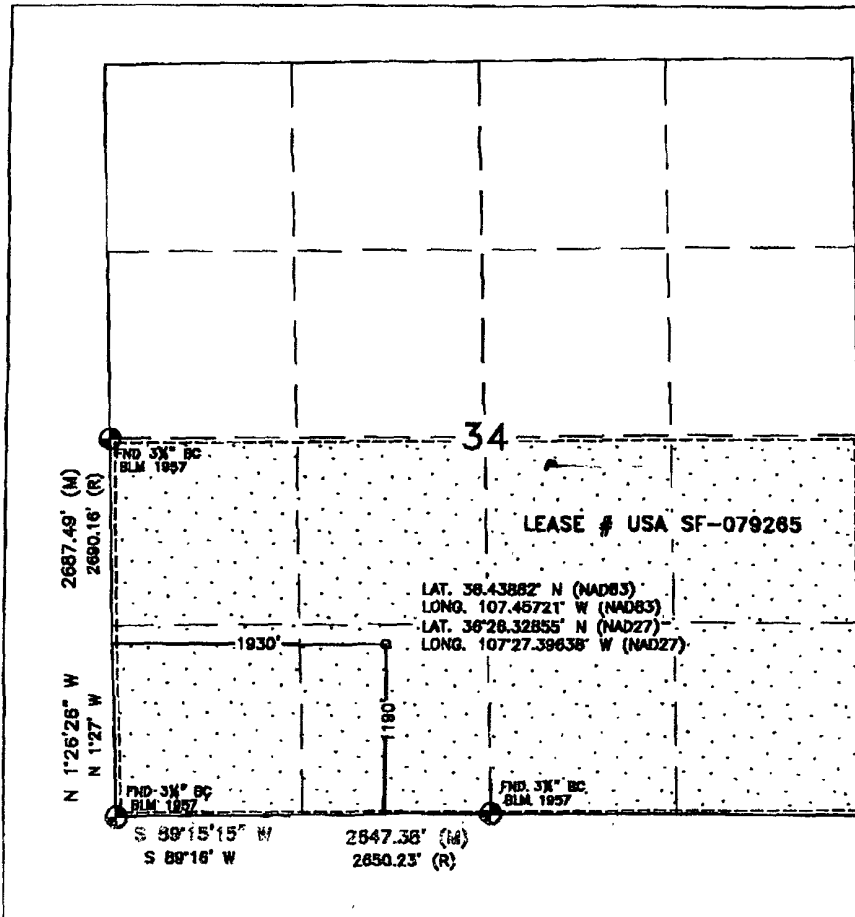


DAVID RUSSELL

Certificate Number

10201

16

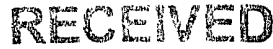


PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

KLEIN 24N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8518		AFE \$: 0.00	
Field Name: SAN JUAN		Rig: H&P Rig 283		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)				
 MAR 18 2010 Bureau of Land Management Farmington Field Office					
Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.438809	Longitude: -107.456606	X:	Y:	Section: 34	Range: 006W
Footage X: 1930 FWL	Footage Y: 1190 FSL	Elevation: 6731	(FT)	Township: 026N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2011		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6743 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	320	6423	☐	320' 8 5/8" 24 ppf, J-55, STC casing. Cement with 226 cuft. Circulate cement to surface.	
OJO ALAMO	2245	4498	☐		
KIRTLAND	2418	4325	☐		
FRUITLAND	2498	4245	☐	Possible Gas	
PICTURED CLIFFS	2896	3847	☐		
LEWIS	2995	3748	☐		
HUERFANITO BENTONITE	3306	3437	☐		
CHACRA	3768	2975	☐		
MASSIVE CLIFF HOUSE	4551	2192	☐		
MENEFEE	4571	2172	☐		
POINT LOOKOUT	5120	1623	☐	722	GAS
MANCOS	5454	1289	☐		
UPPER GALLUP	6178	565	☐		
GREENHORN	7058	-315	☐		
GRANEROS	7110	-367	☐		
TWO WELLS	7166	-423	☐	2580	Gas
UPPER CUBERO	7252	-509	☐		
LOWER CUBERO	7284	-541	☐		
OAK CANYON	7311	-568	☐		
ENCINAL	7353	-610	☐		
Total Depth	7447	-704	☐	7 7/8" hole, 4-1/2" 11.6 ppf, N-80 LTC casing. Cement with 2191 cuft. Circulate cement to surface.	
Reference Wells:					
Reference Type	Well Name		Comments		

PROJECT PROPOSAL - New Drill / Sidetrack

KLEIN 24N

DEVELOPMENT

Logging Program

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

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

Est bottom perf ~20' above the est TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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BURLINGTON RESOURCES OIL & GAS COMPANY LP

KLEIN #24 N

1190' FSL & 1930' FWL

LOCATED IN THE SE/4 SW/4 OF SECTION 34,

T26N, R6W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM BLANCO POST OFFICE, GO 1.3 MILES EAST ON HWY 64 TO CR 4450.
- 2) TURN RIGHT & TRAVEL 3.6 MILES TO INTERSECTION.
- 3) TURN RIGHT & CROSS BRIDGE, TRAVEL 21.8 MILES SOUTH ALONG LARGO CANYON TO OLD SCHOOL HOUSE.
- 4) TURN RIGHT & TRAVEL 2.5 MILES.
- 5) TURN LEFT & CROSS LARGO WASH & GO 2.9 MILES.
- 6) TURN RIGHT & TRAVEL 2.2 MILES TO TOP OF GONZALES MESA.
- 7) TURN LEFT & GO 0.35 MILES TO BEGIN ACCESS ON RIGHT, FOLLOW RED FLAGGING THROUGH PLUGGED & ABANDONED FOR 502' TO NEW WELL LOCATION.

WELL FLAG LOCATED AT LAT. 36.43882°N, LONG. 107.45721°W (NAD 83).

