

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 28 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

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 JUN 17 '09 OIL CONS. DIV.	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Klein 9. Well Number 19P	
4. Location of Well Surf: Unit G(SWNE), 1912' FNL & 1747' FEL Surf: Latitude: 36.44508° N (NAD83) Longitude: 107.45191° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 34, T26N, R6W API # 30-039-30770	
14. Distance in Miles from Nearest Town 16 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1747'		
16. Acres in Lease 2,242.480	17. Acres Assigned to Well MV/DK 320.00 (N/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 102' from Klein 10 (CH)		
19. Proposed Depth 7461'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6653' 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)	Date <u>5/28/2009</u>	

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

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".

NMOCD

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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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

JUN 19 2009

AV

PC

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

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

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

OIL CONSERVATION DIVISION

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

RECEIVED

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

MAY 28 2009

Bureau of Land Management ☐ AMENDED REPORT
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30770	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7228	⁵ Property Name KLEIN	⁶ Well Number 19 P
⁷ UGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6653'

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
G	34	26N	6W		1912'	NORTH	1747'	EAST	RIO ARriba

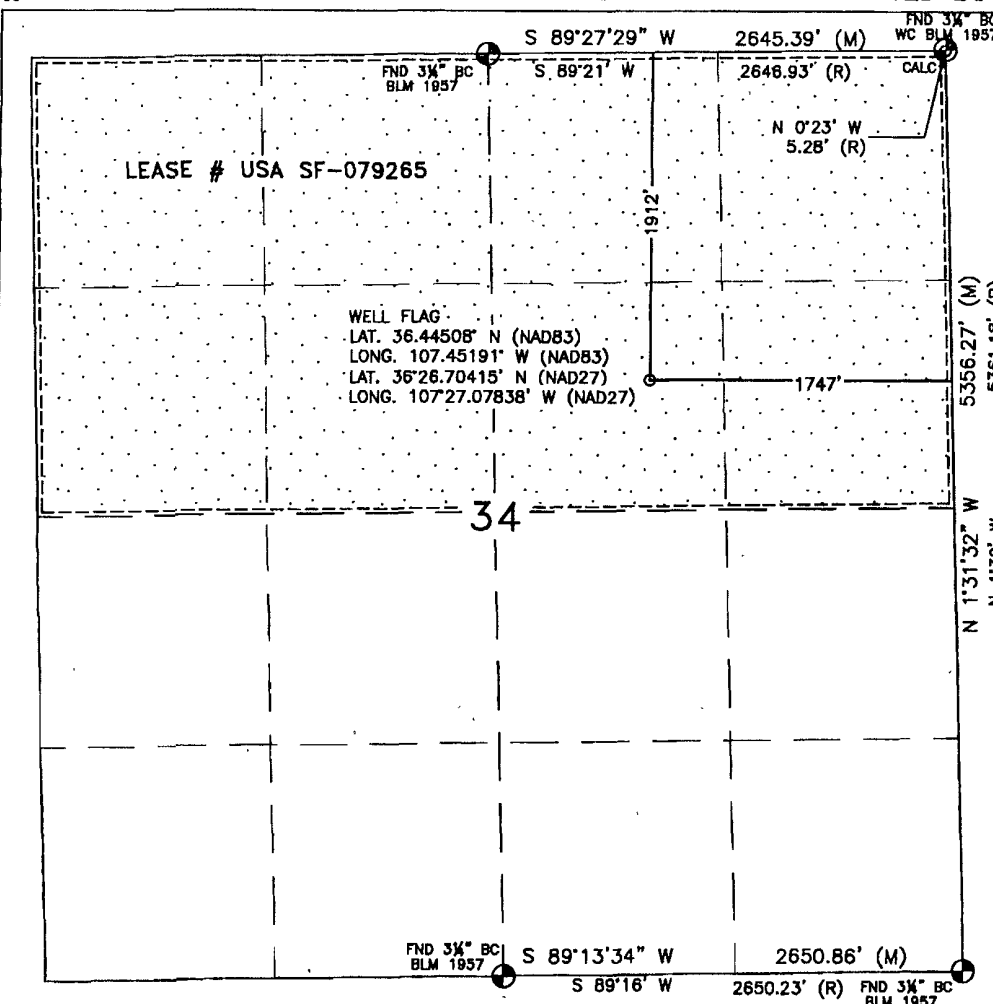
¹¹ Bottom Hole Location If Different From Surface

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

¹² Dedicated Acres 320.0 Acres - (N/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 5/27/09
Signature Date

Crystal Tafoya 5-27-09
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.

JANUARY 20, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL
Certificate Number 10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

KLEIN 19P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8517		AFE \$: 1,276,785.22	
Field Name: hBR_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)

Location:		Datum Code: NAD 27		State: NM	
Latitude: 36.445069	Longitude: -107.451306	X:	Y:	Section: 34	Range: 006W
Footage X: 1747 FEL	Footage Y: 1912 FNL	Elevation: 6653	(FT)	Township: 026N	

Tolerance:	
Location Type: Year Round	Start Date (Est.): 1/1/2009
Completion Date:	Date In Operation:

Formation Data:	Assume KB = 6669	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	6349	<input type="checkbox"/>			320' 8 5/8" 24 ppf, J-55, STC casing. Cement with 226 cuft. Circulate cement to surface.
OJO ALAMO	2215	4454	<input type="checkbox"/>			
KIRTLAND	2393	4276	<input type="checkbox"/>			
FRUITLAND	2455	4214	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2853	3816	<input type="checkbox"/>			
LEWIS	2939	3730	<input type="checkbox"/>			
HUERFANITO BENTONITE	3282	3387	<input type="checkbox"/>			
CHACRA	3725	2944	<input type="checkbox"/>			
UPPER CLIFF HOUSE	4447	2222	<input type="checkbox"/>			Est. Top Perf - 4449 (2220)
MASSIVE CLIFF HOUSE	4518	2151	<input type="checkbox"/>			
MENEFEE	4545	2124	<input type="checkbox"/>			
POINT LOOKOUT	5087	1582	<input type="checkbox"/>	714		GAS
MANCOS	5428	1241	<input type="checkbox"/>			
UPPER GALLUP	6145	524	<input type="checkbox"/>			
GREENHORN	7026	-357	<input type="checkbox"/>			
GRANEROS	7079	-410	<input type="checkbox"/>			
TWO WELLS	7137	-468	<input type="checkbox"/>	2612		Gas
PAGUATE	7186	-517	<input type="checkbox"/>			
UPPER CUBERO	7228	-559	<input type="checkbox"/>			
LOWER CUBERO	7260	-591	<input type="checkbox"/>			
OAK CANYON	7294	-625	<input type="checkbox"/>			
ENCINAL	7331	-662	<input type="checkbox"/>			Est. Btm Perf - 7421 (-752) based on offset wells
MORRISON	7431	-762	<input type="checkbox"/>			
Total Depth	7461	-792	<input type="checkbox"/>			7 7/8" hole, 4-1/2" 11.6 ppf, L/N-80 LTC casing. Cement with 2196 cuft. Circulate cement to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Klein 19	26N-6W34 SW NE NE

PROJECT PROPOSAL - New Drill / Sidetrack

KLEIN 19P

DEVELOPMENT

Production	Klein 24E	26N-6W34 SW NE SE
Production	Klein 19E	26N-6W34 SW NE NW

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
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BURLINGTON RESOURCES OIL & GAS COMPANY LP

KLEIN #19 P

1912' FNL & 1747' FEL

LOCATED IN THE SW/4 NE/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 0.7 MILES TO EXISTING LOCATION, WHERE WELL IS TWINNED.

WELL FLAG LOCATED AT LAT. 36.44508°N, LONG. 107.45191°W (NAD 83).

