

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 27 2007

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NMSF-079265 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
RCVD OCT 16 '07		
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name 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 #27P	
4. Location of Well Unit P (SESE), 1300' FSL & 690' FEL, Latitude 36.43939'N Longitude 107.43015'W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 35 T26N, R6W API # 30-039-30319	
14. Distance in Miles from Nearest Town 34.4 miles	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 690'	17. Acres Assigned to Well MV/DK 320 (S/2)	
16. Acres in Lease 2242.48 acres		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 770' - Klein #27E	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 7101'	22. Approx. Date Work will Start	
21. Elevations (DF, FT, GR, Etc.) 6345' GL		
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Patsy Clugston</u> Patsy Clugston, Regulatory Specialist	<u>9/27/07</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 10/12/07

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 **43**

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

NMOCD

B 10/26

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

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

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

DISTRICT III
1000 Rio Branco Rd., Antec, 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

Form C-102
Revised October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30379		*Pool Code 71599 / 72319		*Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
*Property Code 7228		*Property Name KLEIN			*Well Number 27P
*OGRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP			*Elevation 6345'

10 Surface Location

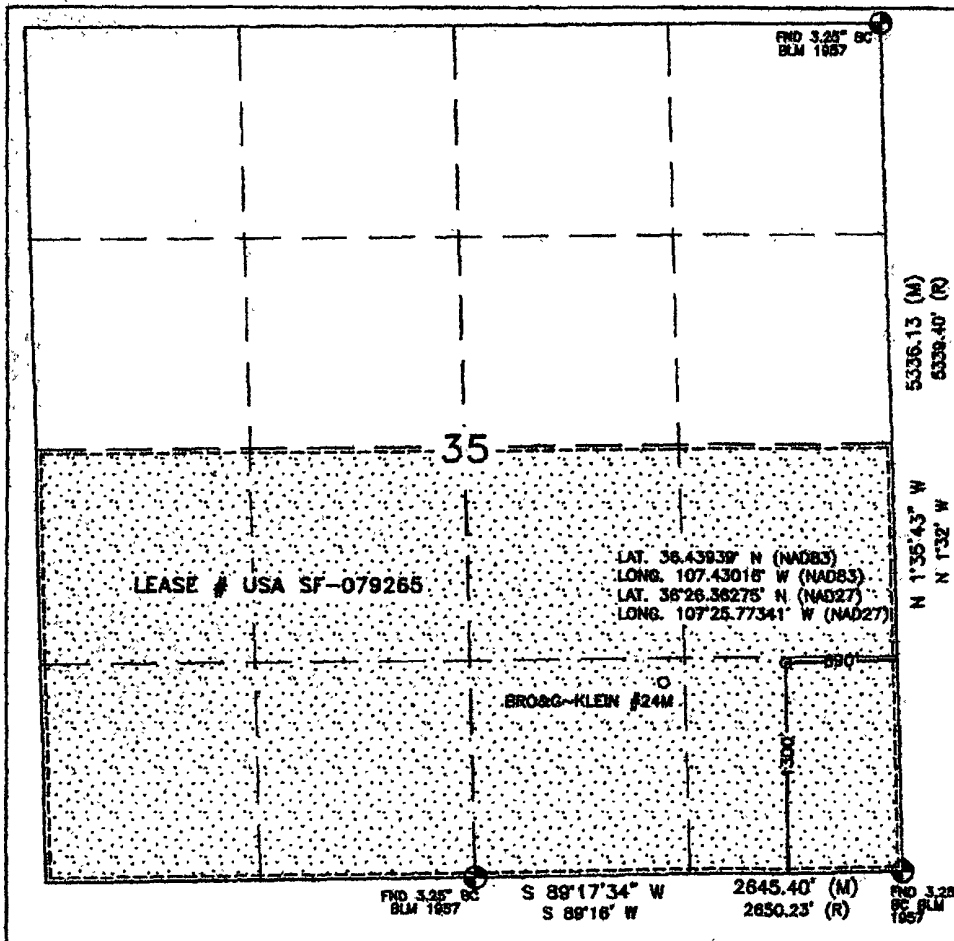
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	35	26N	6W		1300'	SOUTH	690'	EAST	RIO ARriba

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
P									
Dedicated Acres 320.00 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

16



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 compulsory pooling order heretofore entered by the division.

Patsy Clugston 9/25/07
Signature Date

Patsy Clugston
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.

JULY 25, 2007
Date of Survey

Signature and Seal of Professional Surveyor:
David R. Russell

DAVID R. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201

DAVID RUSSELL
Certificate Number 10201

District I

1625 N. French Dr., Hobbs, NM 88240

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District IV

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

OIL CONSERVATION DIVISION

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

WELL API NO.	30-039- 30379
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal Lease SF-079265
7. Lease Name or Unit Agreement Name	Klein
8. Well Number	#27P
9. OGRID Number	14538
10. Pool name or Wildcat	Basin Dakota / Blanco Mesaverde

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. Address of Operator
3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location
Unit Letter P : 1300' feet from the South line and 690' feet from the East line
Section 35 Township 26N Rng 6W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6345' GL

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type New Drill Depth to Groundwater 625' Distance from nearest fresh water well >1000' Distance from nearest surface water <200'

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume bbls; Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: New Drill Pit ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, Lined:

Burlington Resources proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids and that portion will be lined as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Patsy Clugston TITLE Regulatory Specialist DATE 9/25/2007

Type or print name Patsy Clugston E-mail address: clugspl@conocophillips.com Telephone No. 505-326-9518

For State Use Only

**Deputy Oil & Gas Inspector,
District #3**

APPROVED BY [Signature] TITLE DATE OCT 26 2007

Conditions of Approval (if any): Pits must be closed in accordance w/ Rule 50, F. 1 - pumped and dug

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

KLEIN 27P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7222		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 184		State: NM	County: RIO ARRIBA
API #:					
Geologist:	Phone:	Geophysicist:	Phone:		
Geoscientist: Riley, Brook	Phone: +1 505-324-6108	Prod. Engineer:	Phone:		
Res. Engineer: McKee, Cory J	Phone: 505-326-9826	Proj. Field Lead:	Phone:		
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: 36.439379	Longitude: -107.429557	X:	Y:	Section: 35	Range: 006W
Footage X: 690 FEL	Footage Y: 1300 FSL	Elevation: 6345 (FT)	Township: 026N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6361 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6161	<input type="checkbox"/>		
OJAM	1954	4407	<input type="checkbox"/>		
KRLD	2124	4237	<input type="checkbox"/>		
FRLD	2182	4179	<input type="checkbox"/>		Possible Gas
PCCF	2556	3805	<input type="checkbox"/>		
LEWS	2692	3669	<input type="checkbox"/>		
Intermediate Casing	2792	3569	<input type="checkbox"/>		
CHRA	3434	2927	<input type="checkbox"/>		
UCLFH	3872	2489	<input type="checkbox"/>		Gas
MASSIVE CLIFF HOUSE	4221	2140	<input type="checkbox"/>	838	Gas
MENF	4247	2114	<input type="checkbox"/>		
PTLK	4780	1581	<input type="checkbox"/>		
MNCS	5280	1081	<input type="checkbox"/>		
GLLP	5831	530	<input type="checkbox"/>		
GRHN	6710	-349	<input type="checkbox"/>		
GRRS	6764	-403	<input type="checkbox"/>		
TWLS	6818	-457	<input type="checkbox"/>	1800	Gas
CBRO	6917	-556	<input type="checkbox"/>		
CBRL	6951	-590	<input type="checkbox"/>		
OAK CANYON	6984	-623	<input type="checkbox"/>		
ENCINAL	7026	-665	<input type="checkbox"/>		TD 75' below T/ENCN
Total Depth	7101	-740	<input type="checkbox"/>		
6-1/4" hole. 4-1/2", 10.5/11.6 ppf, J-55, STC/LTC casing. Cement with 586 cu ft. Circulate cement a minimum of 100' inside the previous casing string.					
Reference Wells:					
Reference Type	Well Name		Comments		
Intermediate	Klein 27M		SE 35-26N-6W		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

KLEIN 27P

DEVELOPMENT

Logging Program:

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

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

GR_CBL, MUDLOG 100' above GRHN to TD

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MVNM026N006W35SE2 DKNM026N006W35SE2 Avoid O, do not twin, prefer I,P,J, topo will be an issue.
MUDLOG 100' above GRHN to TD.

Zones - MVNM026N006W35SE2 DKNM026N006W35SE2

General/Work Description - NO LEWIS

LATITUDE: 36.43939°N
 LONGITUDE: 107.43016°W
 DATUM: NAD 83

BURLINGTON RESOURCES O&G CO LP

KLEIN #27P

1300' FSL & 690' FEL

LOCATED IN THE SE/4 SE/4 OF SECTION 35,

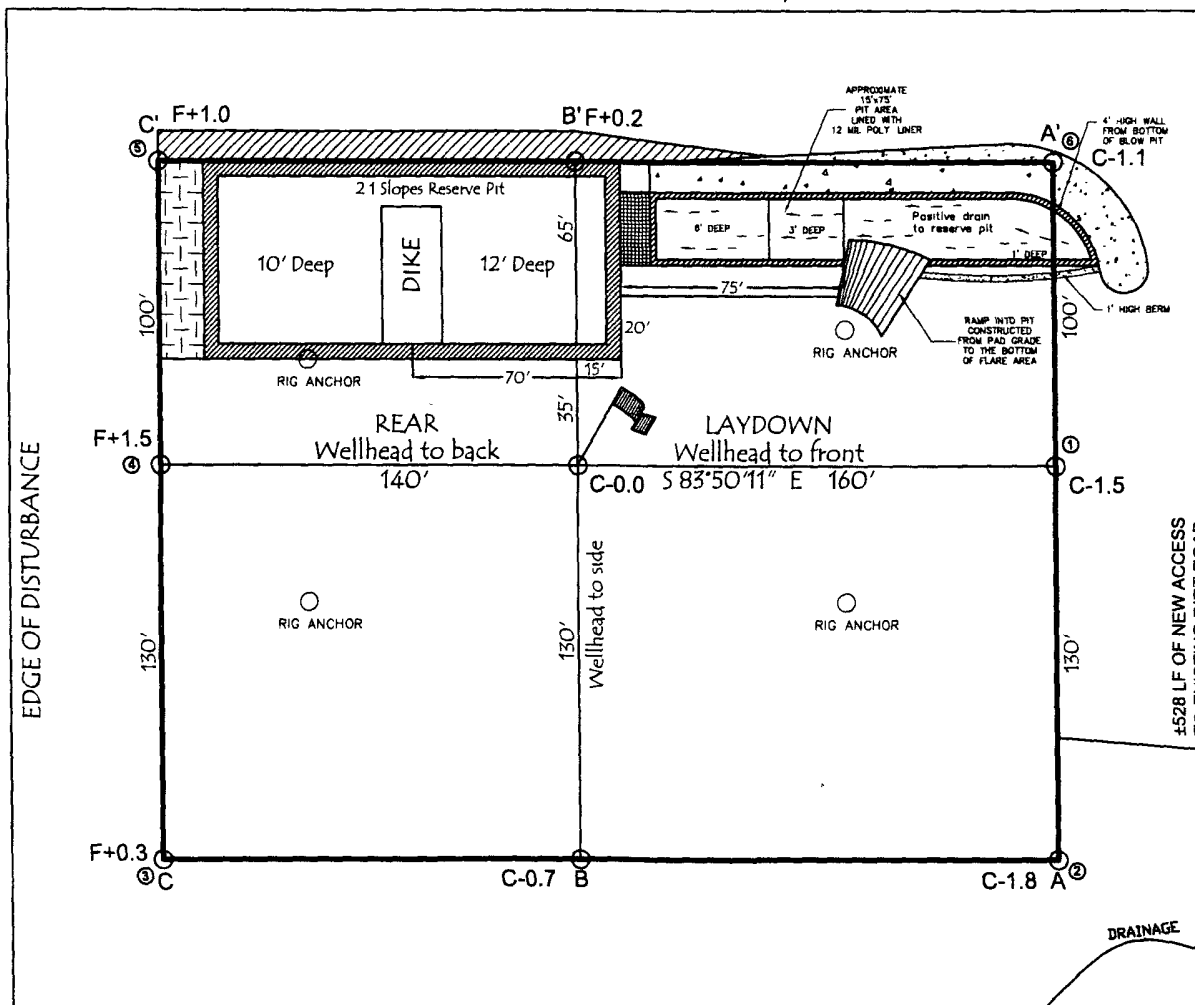
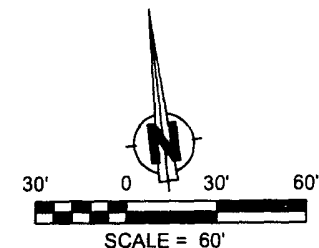
T26N, R6W, N.M.P.M.,

RIO ARRIBA, NEW MEXICO

GROUND ELEVATION: 6345', NAVD 88

FINISHED PAD ELEVATION: 6344.7', NAVD 88

SLOPES TO BE CONSTRUCTED TO
 MATCH THE ORIGINAL CONTOURS
 AS CLOSE AS POSSIBLE.



330' x 400' = 3.03 ACRES OF DISTURBANCE

SCALE: 1" = 60'

JOB No.: COPC078

DATE: 08/03/07

NOTE:

RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR CABLES ON WELL PAD, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.



Russell Surveying
 1409 W. Aztec Blvd. #2
 Aztec, New Mexico 87410
 (505) 334-8637

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