

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NM-020495 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe Navajo Nation
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name ROYD FEB 2 '08 OIL ODS. DIV.
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Angel Peak 9. Well Number #1F
4. Location of Well Surf: Unit J(NWSE), 1740' FSL & 2425' FEL Surf: Latitude 36.60175° N Longitude 107.97247° W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 2, T27N, R11W API # 30-045- 34622
14. Distance in Miles from Nearest Town 11 miles/Bloomfield	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1740'	
16. Acres in Lease 320.00	17. Acres Assigned to Well 320.00 (S/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1174' from Angel Peak #501 - FC	
19. Proposed Depth 6448'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6000' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	 H ₂ S POTENTIAL EXIST
24. Authorized by: <u>Crystal Walker</u> Crystal Walker (Regulatory Technician)	BLM'S APPROVAL OR ACCEPTANCE OF THIS OPERATION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

PERMIT NO.

APPROVED BY Wayne Townsend

APPROVAL DATE

TITLE Acting AFM

DATE 1-29-09

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

NMOC

FEB 05 2009

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

Form C-102
Revised October 12, 2005

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

Appropriate District Office
State Lease - 4 Copies
Free Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

MAR 04 2008

☐ AMENDED REPORT

DISTRICT IV
1220 South St Francis Dr, Santa Fe, NM 87505

Bureau of Land Management
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34022	² Pool Code 71599	³ Pool Name BASIN DAKOTA
⁴ Property Code 6787	⁵ Property Name ANGEL PEAK	⁶ Well Number 1F
⁷ OCRID No 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	Elevation 6000

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the North/South line	Feet from the East/West line	County
J	2	27-N	11-W		1740 SOUTH	2425 EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no. J	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 320 S/2		¹³ Joint or Infill			¹⁴ Consolidation Code		¹⁵ 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

15 LOT 4 40.81 AC	LOT 3 40.72 AC	LOT 2 40.62 AC	LOT 1 40.53 AC
FD. 2 1/2" BC. 1913 G.L.O.			
SURFACE LAT: 36.60175° N (NAD 83) LONG: 107.97247° W (NAD 83) LAT: 36°36.1046' N (NAD 27) LONG: 107°58.3109' W (NAD 27)		2425' 1740' S 00°11'33" W 2642.06' (M)	
USA NM-020495		FD 2 1/2" BC. 1913 G.L.O.	

FD 2 1/2" BC.
1913 G.L.O.

S 89°54'08" W.
2649.98' (M)

FD 2 1/2" BC.
1913 G.L.O.

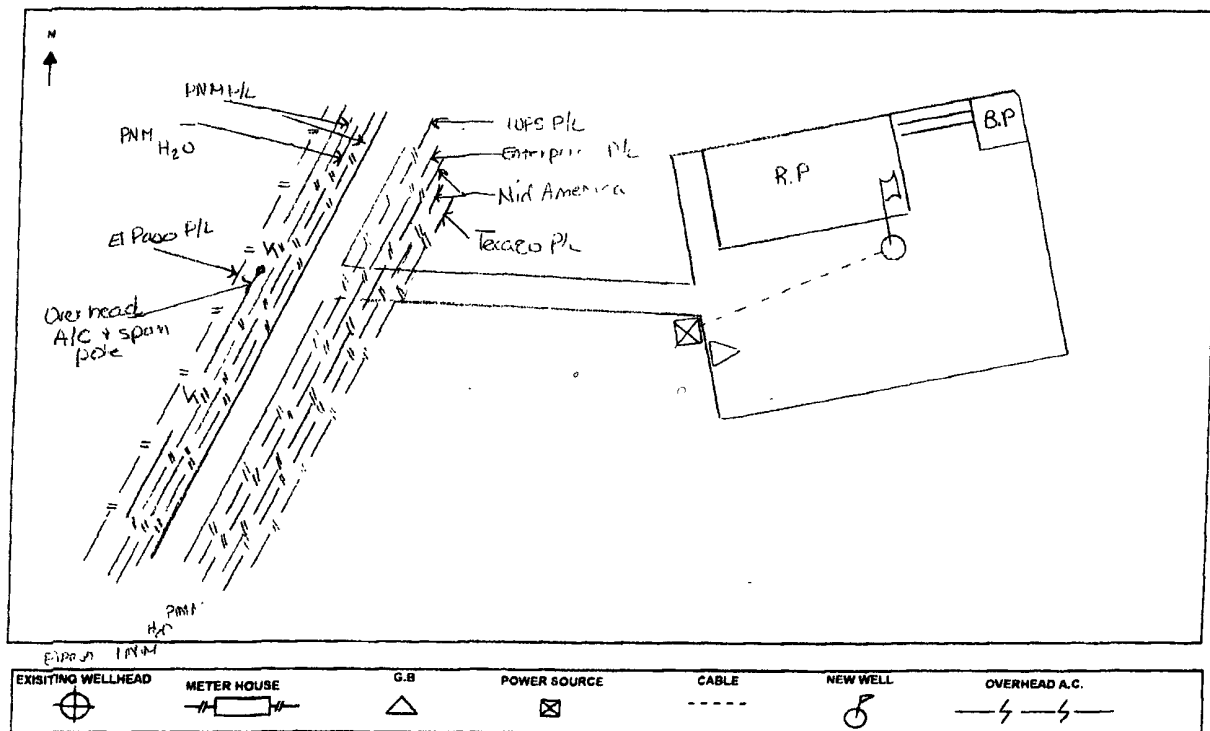


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Angel Peak #1F LEGALS J-2-27-11 COUNTY San Juan

PURPOSED C.P. SYSTE~~M~~: Drill GB and set solar on SW edge of location. Trench approx 175' of #8 reg. from proposed well to solar



COMMENTS: Use 2 well solar / 9 PL's - Mid America PL also marked w/ Enterprise PL markers

NEAREST POWER SOURCE overhead A/C DISTANCE: 1200'

PIPELINES IN AREA: PNM PL x 2; PNM H2O; El Paso PL; WFS PL; Enterprise PL x 2; Mid America PL x 2

TECHNICIAN: Michael H. Hines DATE: 10/4/07

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6953

Reviewed by Bill Twibley
& Randy Smith 10/9/07

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ANGEL PEAK 1F

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7212		AFE \$: 570,510.76	
Field Name: hBR_SAN JUAN		Rig: Bearcat Rig 4		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Head, Chip F		Phone: 505-326-9772	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797	Proj. Field Lead:		Phone:
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.601743	Longitude: -107.971848	X:	Y:	Section: 02	Range: 011W
Footage X: 2425 FEL	Footage Y: 1740 FSL	Elevation: 6000 (FT)	Township: 027N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:	Date In Operation:
Formation Data: Assume KB = 6012 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	320	5692	☐		
OJO ALAMO	753	5259	☐		
KIRTLAND	851	5161	☐		
FRUITLAND	1511	4501	☐		Possible Gas
PICTURED CLIFFS	1839	4173	☐		
LEWIS	1981	4031	☐		
HUERFANITO BENTONITE	2339	3673	☐		
CHACRA	2753	3259	☐		
MASSIVE CLIFF HOUSE	3371	2641	☐		Gas
MENEFEE	3501	2511	☐		
MASSIVE POINT LOOKOUT	4276	1736	☐		
MANCOS	4644	1368	☐		
UPPER GALLUP	5406	606	☐		
GREENHORN	6209	-197	☐		
GRANEROS	6266	-254	☐		
TWO WELLS	6296	-284	☐	1150	Gas
PAGUATE	6369	-357	☐		
CBRO	6448	-436	☐		
TOTAL DEPTH DK	6448	-436	☐		
12-1/4 hole. 320' 8 5/8" 32.3 ppf, J-55, STC casing. Cement with 319 cuft. Circulate cement to surface.					
7-7/8" Hole. 4-1/2", 11.6 ppf, N-80 LTC casing. Cement with 1923 cuft. Circulate cement to surface.					
Reference Wells:					
Reference Type	Well Name	Comments			
Production	Angel Peak #1E	45-26541			
Production	Angel Peak #1	45-06792			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ANGEL PEAK 1F

DEVELOPMENT

Logging Program:

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

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

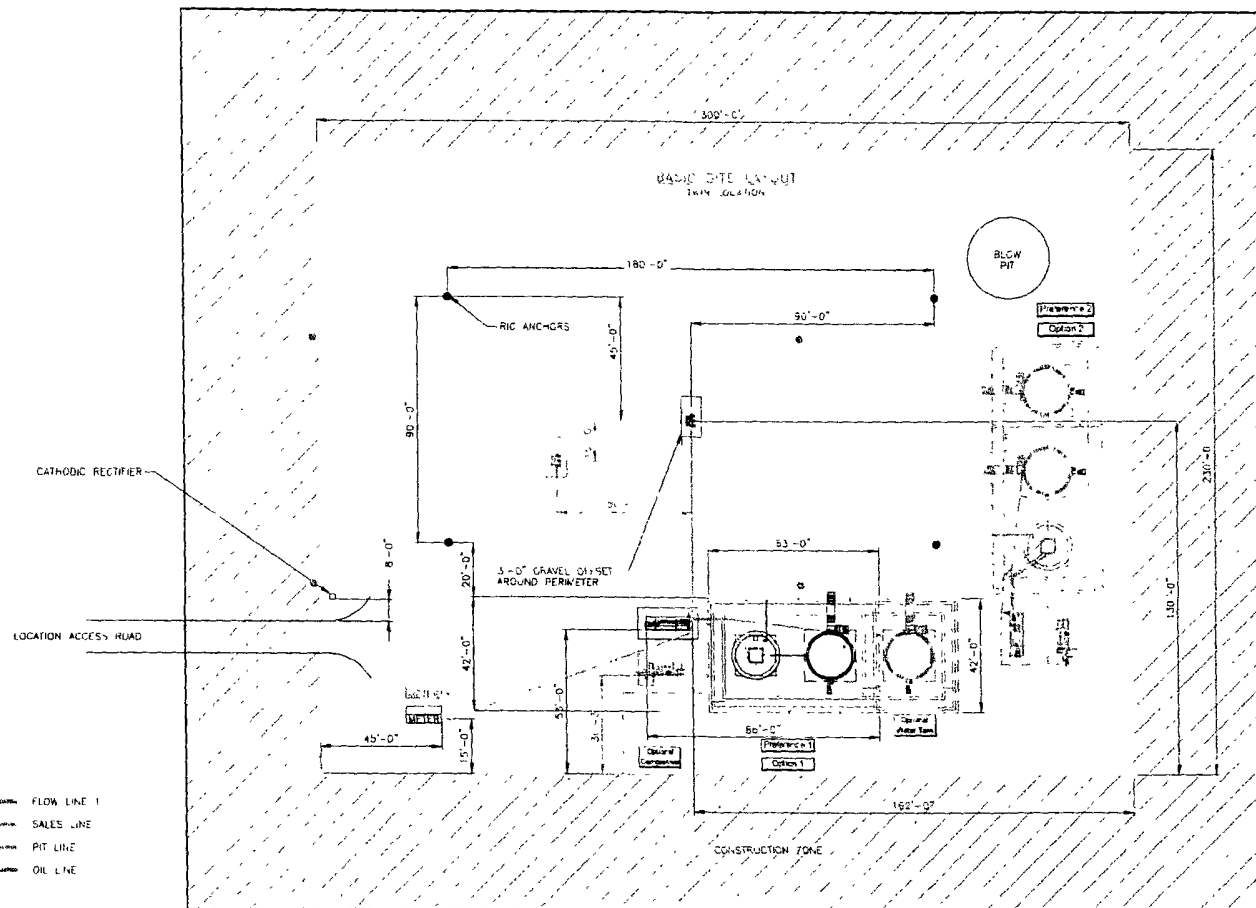
GR_CBL.

Bottom perf. 20 ft above TD.

Additional Information:

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



SEE SHEET 2 & 4 FOR PUMP DETAILS
ALL UNDERGROUND PIPES TO BE BURIED A MIN. OF 3'-0" DEEP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS			CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT				
										DISCIPLINE	REVIEWED	DATE	NO.	DESCRIPTION						
										PROJECT NO.										
										MECHANICAL										
										PIPING										
										ELECTRICAL										
										I & C										
										CONSTRUCTION PROJECT										
DESCRIPTION										SAN JUAN BUSINESS UNIT										
DATE										BY										
CHK'D										ENC										
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