

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD AUG 11 '08

OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED MAR 13 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-078464 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	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Senter Federal 9. Well Number #100	
4. Location of Well Surf: Unit P(SESE), 760' FSL & 1210' FEL Surf: Latitude 36.86580° N Longitude 108.16880° W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 26, T31N, R13W API # 30-045- 34637	
14. Distance in Miles from Nearest Town 12 miles/Farmington	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 760'		
16. Acres in Lease 2,567.960	17. Acres Assigned to Well 312.4 Acres - (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52' from Senter Federal #1E - DK		
19. Proposed Depth 2383'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5951' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Walker</u> Crystal Walker (Regulatory Technician)	3/13/08 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 8/7/08

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 2

Bond Numbers NMB-000015 and NMB-000089 AUG 11 2008

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

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

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

DISTRICT IV
1220 South 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

RECEIVED
MAR 13 2008

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION

*API Number 30-045-34637	*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 7498 7497	*Property Name SENTER FEDERAL	*Well Number 100
*OCRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 5951

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	26	31-N	13-W	8	760	SOUTH	1210	EAST	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
P									
Dedicated Acres 312.4 (E/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

LOT 2 43.00 AC	LOT 1 42.05 AC
LOT 3 43.69 AC	LOT 4 43.03 AC
USA SF-078464	
FD. 3 1/4" BC. 1952 B.L.M.	
26	
LAT: 36.86580° N. (NAD 83) LONG: 108.16880° W. (NAD 83) LAT: 36°51.9499' N. (NAD 27) LONG: 108°10.0904' W. (NAD 27)	
LOT 6 37.66 AC	LOT 5 38.59 AC
N 00-51-46 E 2638.48' (M)	
LOT 8 38.55 AC	1210'
LOT 7 37.60 AC	760'
FD. 3 1/4" BC. 1952 B.L.M.	
N 89-34-39 W 2579.58' (M)	

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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Walker 3/13/08
Signature Date
Crystal Walker 3-13-08
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.

NOVEMBER 14 2008
Date of Survey
Signature and Seal of Professional Surveyor
Certificate Number

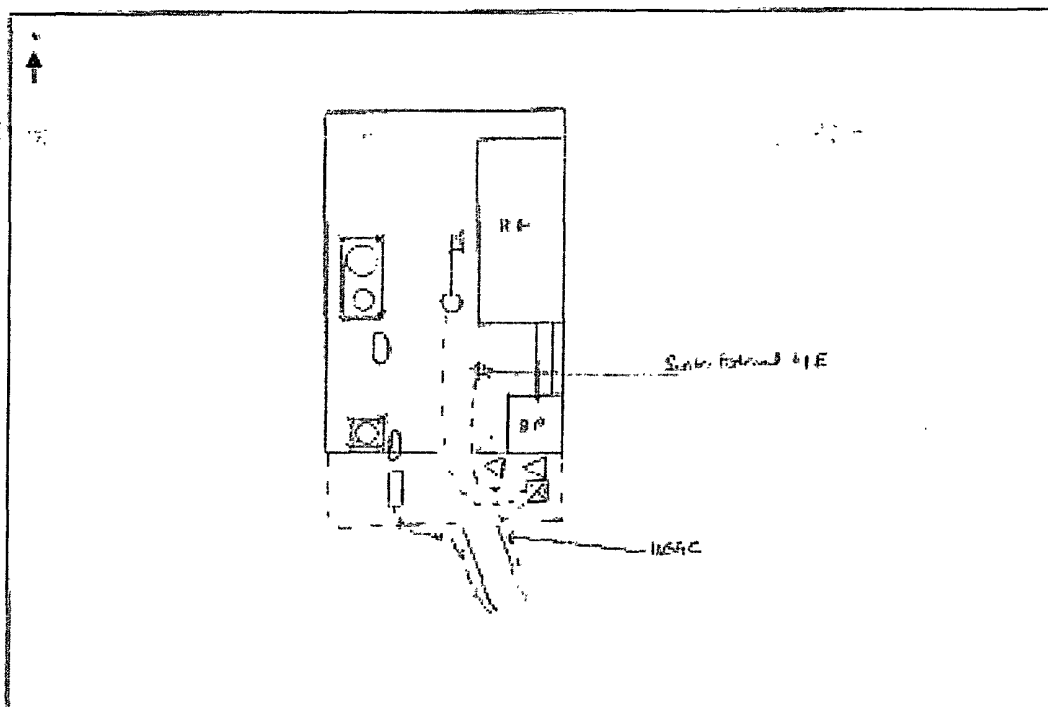


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Santa Fe Road #1005 LEGALS P. 20-3413 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill new AP (Spillout 30114 & 11111) and 11111 & 11111.
Install anode 200' or 250' from proposed well in contact with ground and to
Santa Fe Road #1005



ANODE/WEEL/HEAD	WELL/ANODE	CR	POWER SOURCE	CABLE	WELL	OVERHEAD AC

COMMENTS: 6.4 x 13.2 m = 300 mm C.P.

NEAREST POWER SOURCE San Juan Rd. Santa Fe, N.M. 87413 DISTANCE: 200' or 250'
PIPELINES IN AREA: 11111 & 11111

TECHNICIAN: HH Technical Services DATE: 11/7/2007

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

Handwritten signature

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SENER FEDERAL 100

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7325		AFE \$: 198,409.13	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:	Phone:	
Geoscientist: Clark, Dave D		Phone: 505-326-9762	Prod. Engineer:	Phone:	
Res. Engineer: Akwari, Bill N		Phone: +1 505-326-9700	Proj. Field Lead:	Phone:	

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface Datum Code: NAD 27

Latitude: 36.865798	Longitude: -108.168170	X:	Y:	Section: 26	Range: 013W
Footage X: 1210 FEL	Footage Y: 760 FSL	Elevation: 5951	(FT)	Township: 031N	
Tolerance:					

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

Formation Data: Assume KB = 5965 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5845	☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	363	5602	☐			
KIRTLAND	421	5544	☐			
FRUITLAND	1845	4120	☐	200		Gas
PICTURED CLIFFS	2183	3782	☐			Gas
Total Depth	2383	3582	☐			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 366 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

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

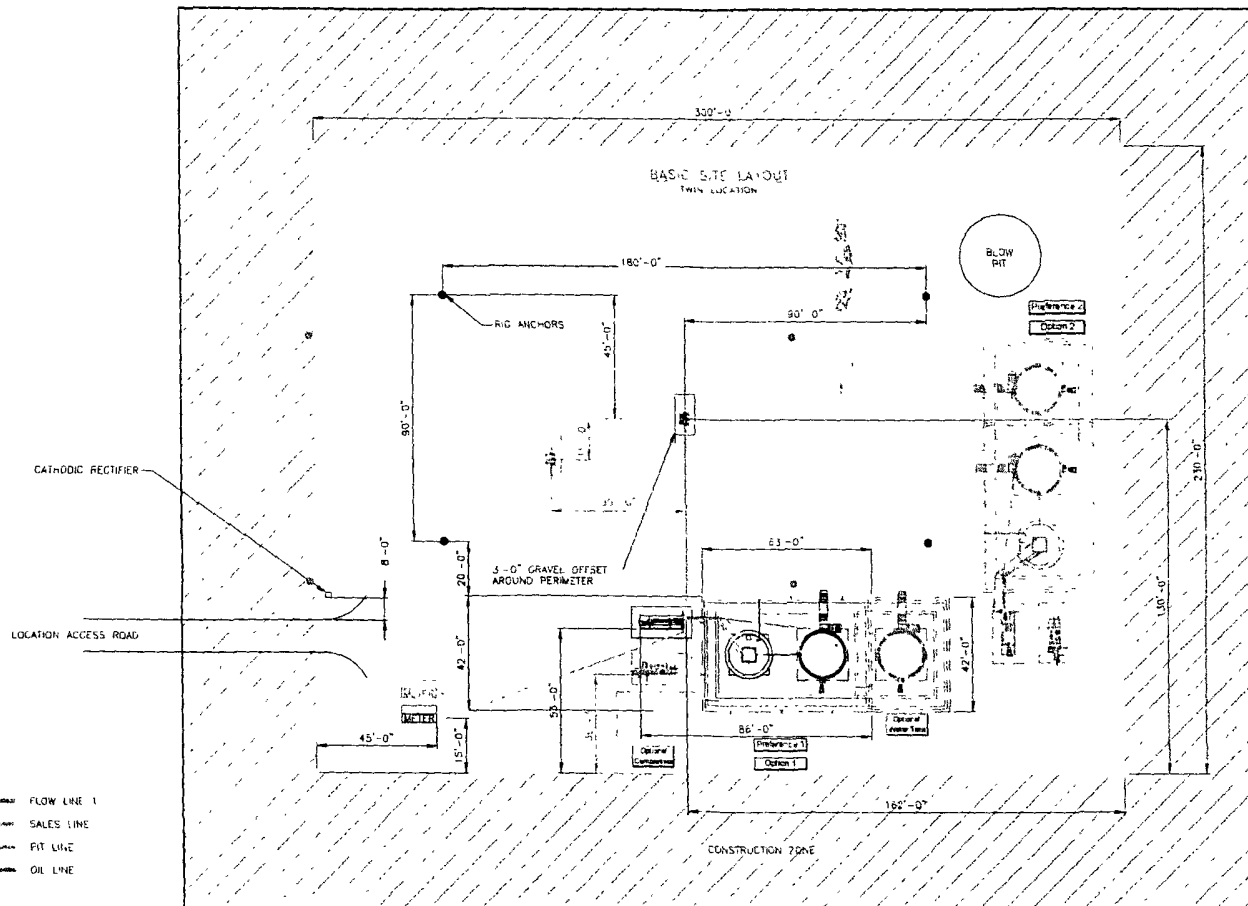
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR/CBL

Additional Information:

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



SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BUILT A MIN. OF 3'-0" TOP

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS		CONOCOPhillips	CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
DISCIPLINE	REVIEWED	DATE	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.		DATE	BY	CHK'D
PROJECT															
MECHANICAL															
Piping															
ELECTRICAL															
I & C															
ENVIRONMENTAL															
STRUCTURAL															
PROJECT															

SAN JUAN BUSINESS UNIT

DATE: 06/28/2007
BY: [Signature]
CHK'D: [Signature]
ENC: [Signature]
NO: [Signature]
DESCRIPTION: [Signature]
DATE: 06/28/2007
BY: [Signature]
CHK'D: [Signature]
ENC: [Signature]
NO: [Signature]
DESCRIPTION: [Signature]

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