

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD MAY 8 '09
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED MAR 19 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-080635 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 Wilson 9. Well Number #100S 30-045-34660	
4. Location of Well Unit J (NWSE), 1815' FSL & 1840' FEL Latitude 36.810864 N. Longitude 108.135979 W.	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 18, T30N, R12W API # 30-045-34660	
14. Distance in Miles from Nearest Town 2.9 Miles/Farmington	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1815'		
16. Acres in Lease 319.080	17. Acres Assigned to Well 319.08 S/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 48' Federal 1E		
19. Proposed Depth 2278'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5939' GL <small>This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4</small>	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS". 3-18-08 Date	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler Regulatory Technician)		

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 5/6/09

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 2

Bond Numbers NMB-000015 and NMB-000089

NMOCD

MAY 14 2009

Ar

NOTIFY AZTEC OGD 24 HRS.
PRIOR TO CASING & CEMENT

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

DISTRICT II
1301 West 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

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

MAR 19 2008

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION

*API Number 30-045-34660	*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 7639	*Property Name WILSON	*Well Number 100S
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	*Elevation 5939'

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
J	18	30-N	12-W		1815'	SOUTH	1840'	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
J									
Dedicated Acres 319.08 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	LOT 1				
	LOT 2				
	LOT 3	LAT: 36°48.8511' N. LONG: 108°08.1211' W. NAD 1983 LAT: 36.810854° N. LONG: 108.135979° W. NAD 1983	18	1840'	N 0° 05' 44" E 5363.79'
	LOT 4	USA SF-080635 N 88° 32' 46" E 5319.04'			

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

Famie Goodwin
Signature
Famie Goodwin 11/1/07
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.

Date of Survey 9-11-07

Signature and Seal of Professional Surveyor
Galen W. Russell
Certificate Number 15703

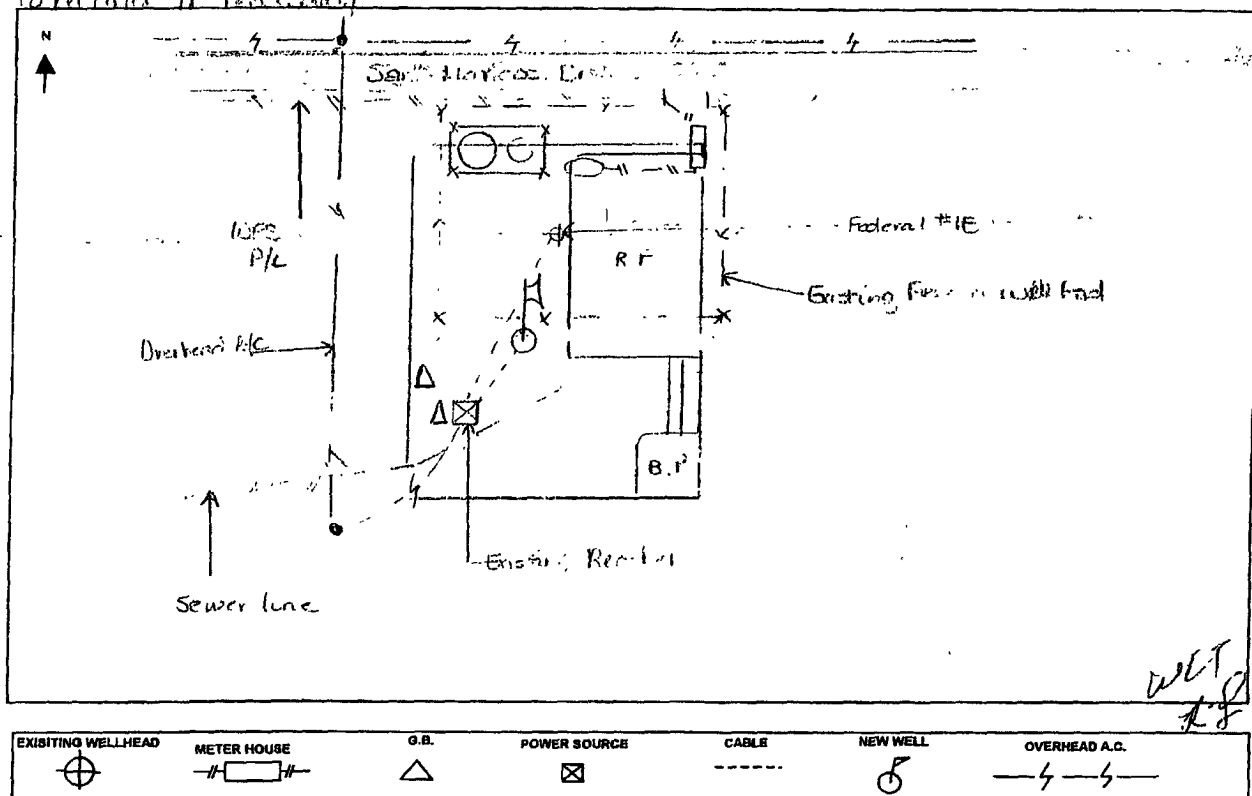


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Wilson #1008 LEGALS J-18-30-12 COUNTY Santa Fe

PURPOSED C.P. SYSTEM: Drill new GB on SW edge of location (at least 50ft from existing GB). Upgrade existing rectifier. Trench approx 100' of #8 neg from proposed well to newly upgraded rectifier. Retrench approx 220' of #8 neg from the Federal #1E to rectifier if necessary.



COMMENTS: 8.45 v / 3.0 a = 2.81 ohm GB

NEAREST POWER SOURCE Existing Rectifier DISTANCE: on well head
PIPELINES IN AREA: WFS P/L / Sewer Line

TECHNICIAN: Michael J. Higgins DATE: 10/8/07

PROJECT PROPOSAL - New Drill / Sidetrack

WILSON 100S

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.0565		AFE \$: 273,301.64	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Datum Code: NAD 27

Latitude: 36.810851	Longitude: -108.135351	X:	Y:	Section: 18	Range: 012W
Footage X: 1840 FEL	Footage Y: 1315 FSL	Elevation: 5939	(FT)	Township: 030N	
Tolerance:					

Location Type: Year Round Start Date (Est.): 1/1/2008 Completion Date: Date In Operation:

Formation Data: Assume KB = 5951 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	713' 120'	5831	<input type="checkbox"/>			8-3/4" hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	493	5458	<input type="checkbox"/>			
KIRTLAND	647	5304	<input type="checkbox"/>			
FRUITLAND	1720	4231	<input type="checkbox"/>	200		Gas
PICTURED CLIFFS	2078	3873	<input type="checkbox"/>			Gas
Total Depth	2278	3673	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 350 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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C. HARRADEN/ March 21, 2008

Comments: BURLINGTON RESOURCES/ Wilson #100S APD

STIPULATION/CONDITION OF APPROVAL

This well is located within the Farmington City Limits where home development is occurring and water wells are being drilled into the Ojo Alamo aquifer. In order to protect the integrity of the Ojo Alamo fresh water aquifer, a minimum surface csg. depth of 713' is stipulated as a condition of approval for this APD.

Printed on:

Directions from Intersection of North Main
& Pinion Hills Blvd.
In Farmington, NM to
Burlington Resources Oil & Gas Company LP
Wilson #1005
1815' FSL & 1840' FEL,
Section 18, T30N, R12W, N.M.P.M., San Juan County,
New Mexico
Latitude: 36.810854° N
Longitude: 108.135979° W
Nad 83

From the Intersection of North Main & Pinion Hills Blvd.
in Farmington, NM
Go north on Pinion Hills for 0.1 miles
To Foothills,
turn right (northerly) on Foothills for 2.5 miles
to a Tee intersection,
stay right along Foothills for 0.2 miles,
to San Marcos Drive,
turn right (easterly) on San Marcos Dr,
continue for 0.1 miles to newly staked location
twinning on existing well pad on right (south) side of road,
the FEDERAL 1E.