

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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DEC 29 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number USA SF-079519-A 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 OIL CONS. DIV.	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 28-5 Unit 9. Well Number #103N	
4. Location of Well Surf: Unit H (SENE), 1785' FNL & 1180' FEL Bottom: Unit B (NWNE), 715' FNL & 2020' FEL Surf: Latitude 36.64905 N. Longitude 107.32362 W. Surf: Latitude 36.65199 N. Longitude 107.3632648 W.	10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) 1- Sec. 23, T28N, R5W API # 30-039-30629	
14. Distance in Miles from Nearest Town 11 Miles/Gobernador, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 2020'	17. Acres Assigned to Well MV 320.00 (N/2) DK 320.00 (E/2)	
16. Acres in Lease 2395.610		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' from San Juan 28-5 Unit 103 DK		
19. Proposed Depth 8873'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7469' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	Date <u>12/19/08</u>	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 1/20/09

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 3

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"

Hold C104

for Directional Survey
and "As Drilled" plat

NMOC

68

NOTIFY AZTEC OCD 24 HRS. JAN 21 2009

PRIOR TO CASING & CEMENT

ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

Form C-102
Revised October 12, 2005
Instructions on back
Proprietary District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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Bureau of Land Management ☐ AMENDED REPORT
Farmington Field Office

JASON C. EDWARDS
Certificate Number 15269

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.RFE.PD07.V5

WELL NAME

SAN JUAN 28 - 5 # 103 N

DATE

8/11/2008

DUAL WELL

WELL NAME

SAN JUAN 28 - 5 # 103

TRIPLE WELL

WELL NAME

COORDINATES**SEC****TNSHP****RANGE****LATITUDE****LONGITUDE**

H23

28 N

5 W

36.64905 N

107.32362 W

COUNTY

RIO ARRIBA

RECTIFIER

40/20

X

X

SOLARGROUND BED

X

X

240 V METER POLE480 V METER POLED C CABLES

8

700'

A C CABLESPRIMARY POWER

JEMEZ

DISTANCE TO POWER

.6 MILES

UNDERGROUND

X

PUMPJACKWATER PUMP**COMMENTS**

REMOVE OLD RECTIFIER AND INSTALL 3 NEG. RECTIFIER AND STUB POLE

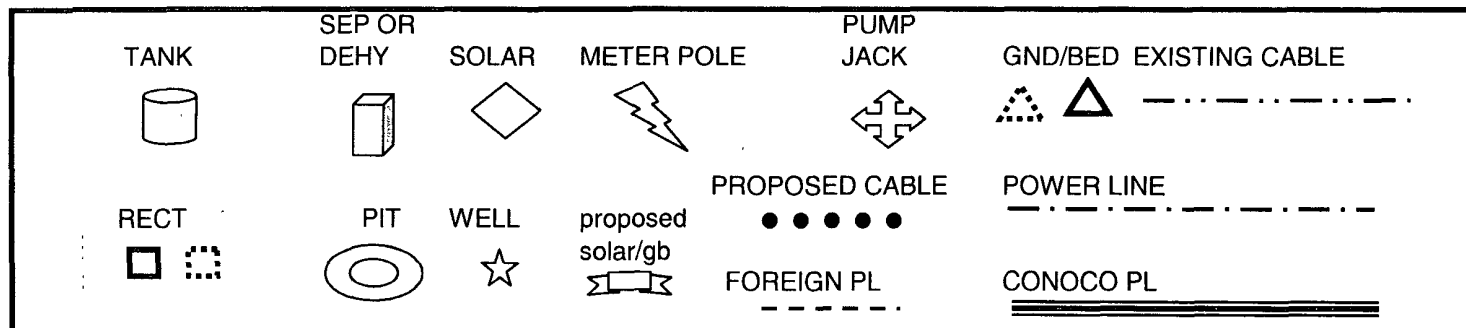
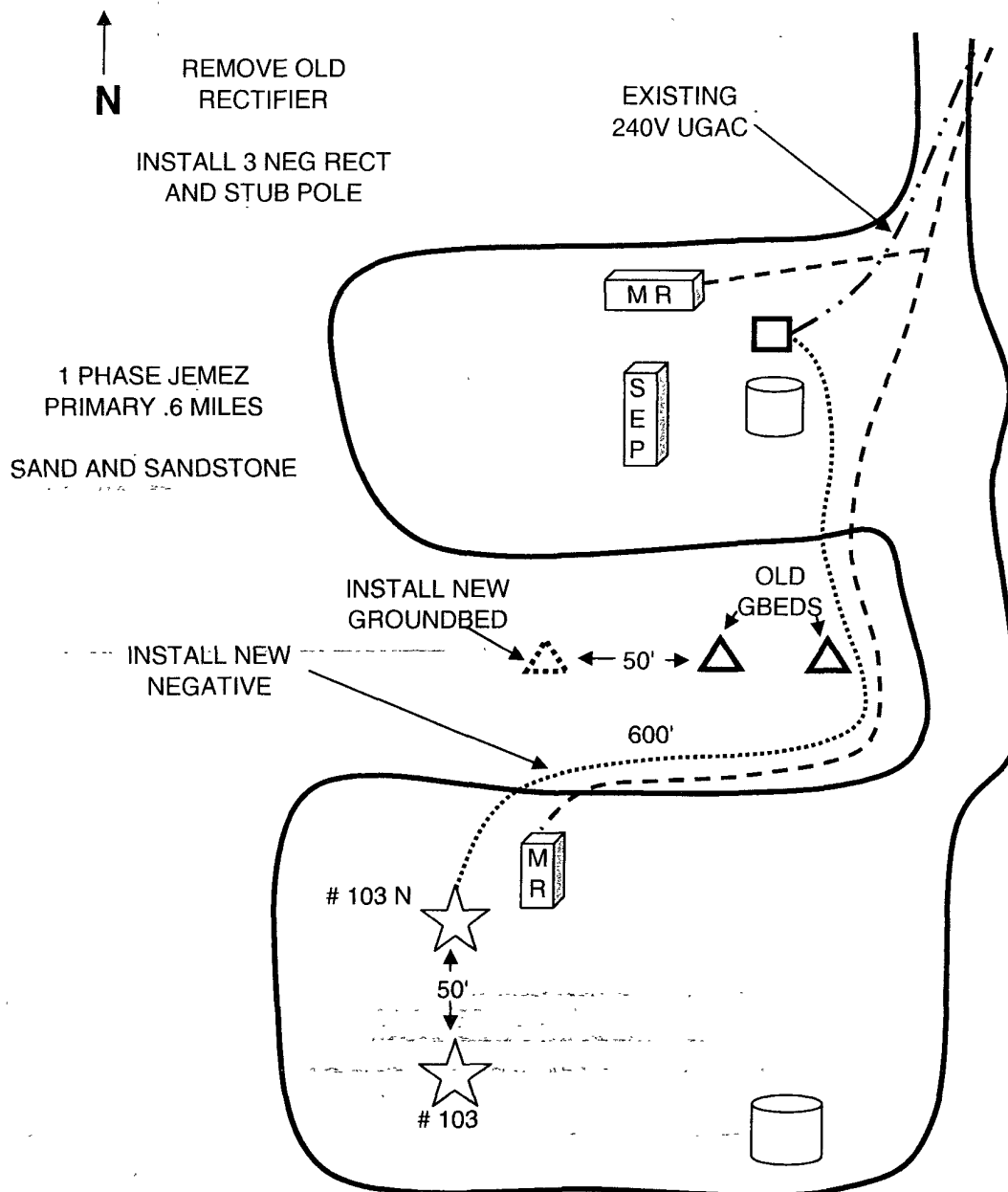
1 PHASE JEMEZ PRIMARY .6 MILES

SAND AND SANDSTONE

INSTALL NEW NEGATIVE

INSTALL 600' OF NEW NEGATIVE

WELL NAME	SAN JUAN 28 - 5 # 103 N
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 103N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7128		AFE \$:	
Field Name: hBR_SAN JUAN 28-5 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	
				Phone:	
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.649041	Longitude: -107.323019	X:	Y:	Section: 23	Range: 005W
Footage X: 1180 FEL	Footage Y: 1785 FNL	Elevation: 7469	(FT)	Township: 028N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27					
Latitude: 36.651981	Longitude: -107.325879	X:	Y:	Section: 23	Range: 005W
Footage X: 2020 FEL	Footage Y: 715 FNL	Elevation:	(FT)	Township: 028N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 7484 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	7284	☐		
OJO ALAMO	3723	3761	☐		
KIRTLAND	3864	3620	☐		
FRUITLAND	4004	3480	☐		Possible Gas
PICTURED CLIFFS	4395	3089	☐		
LEWIS	4528	2956	☐		
Intermediate Casing	4628	2856	☐		
HUERFANITO BENTONITE	5057	2427	☐		
CHACRA	5409	2075	☐		
MASSIVE CLIFF HOUSE	6186	1298	☐	690	Gas
MENEFEE	6274	1210	☐		
POINT LOOKOUT	6569	915	☐		
MANCOS	7136	348	☐		
UPPER GALLUP	7812	-328	☐		
GREENHORN	8550	-1066	☐		
GRANEROS	8609	-1125	☐		
TWO WELLS	8669	-1185	☐	2500	Gas
UPPER CUBERO	8739	-1255	☐		
LOWER CUBERO	8791	-1307	☐		
ENCINAL	8872	-1388	☐		
Total Depth	8873	-1389	☐		
12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.					
8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1097 cuft. Circulate cement to surface.					
6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 578 cuft. Circulate cement a minimum of 100' inside the previous casing string.					

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 103N

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
Mud log from ~100' above the Greenhorn to TD. Mud loggers will call final TD.	

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

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: San Juan 28 Wells
Well: SJ 28-5 #103N
Wellbore: Principal Wellbore
Design: Plan #1

Local Co-ordinate Reference: Well SJ 28-5 #103N
TVD Reference: WELL @ 7484 0ft (Original Well Elev)
MD Reference: WELL @ 7484 0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
200 0	200 0	Surface	9 625	12 250
4,867 9	4,628 0	Intermediate	7 000	8 750
9,112 9	8,873 0	Production	4 500	6 250

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,930 4	3,723 0	Ojo		0 00	
4,082 3	3,864 0	Kirtland		0 00	
4,232 3	4,004 0	Frutland		0 00	
4,634 3	4,395 0	Pictured Cliffs		0 00	
4,767 9	4,528 0	Lewis		0 00	
5,296 9	5,057 0	Huerfano Bentonite		0 00	
5,648 9	5,409 0	Chacra		0 00	
6,407 9	6,168 0	Mass Cliffhouse		0 00	
6,513 9	6,274 0	Menefee		0 00	
6,808 9	6,569 0	Point Lookout		0 00	
7,375 9	7,136 0	Mancos		0 00	
8,051 9	7,812 0	Upper Gallup		0 00	
8,789 9	8,550 0	Greenhorn		0 00	
8,848 9	8,609 0	Graneros		0 00	
8,908 9	8,669 0	Two Wells		0 00	
8,978 9	8,739 0	Upper cubero		0 00	
9,030 9	8,791 0	Lower Cubero		0 00	
9,111 9	8,872 0	Encinal		0 00	

