

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 31 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-077451-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 RCVD SEP 17 '09 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 Sandia Federal 9. Well Number 1F	
4. Location of Well Surf: Unit G(SWNE), 2095' FNL & 1990' FEL Surf: Latitude: 36.78469° N (NAD83) Longitude: 108.01176° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 29, T30N, R11W API # 30-045-35016	
14. Distance in Miles from Nearest Town 7.5 miles/Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1990'		
16. Acres in Lease 39.880	 H ₂ S POTENTIAL EXIST	
17. Acres Assigned to Well MV/DK 318.89 (E/2)		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1106' from Morris 5		
19. Proposed Depth 6757'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5830' GL	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT BELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Tracey N. Monroe (Staff Regulatory Technician)	8/13/09 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

NMOCD

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

SEP 18 2009

RECEIVED

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

AUG 31 2009

Submit to Appropriate District Office

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

OIL CONSERVATION DIVISION Bureau of Land Management
1220 South St. Francis Dr. Farmington Field Office
Santa Fe, NM 87505

State Lease - 4 Copies
Fee Lease - 3 Copies

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-350110		*Pool Code 71599/72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 37819	*Property Name SANDIA FEDERAL		*Well Number 1 F
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 5830'

10 Surface Location

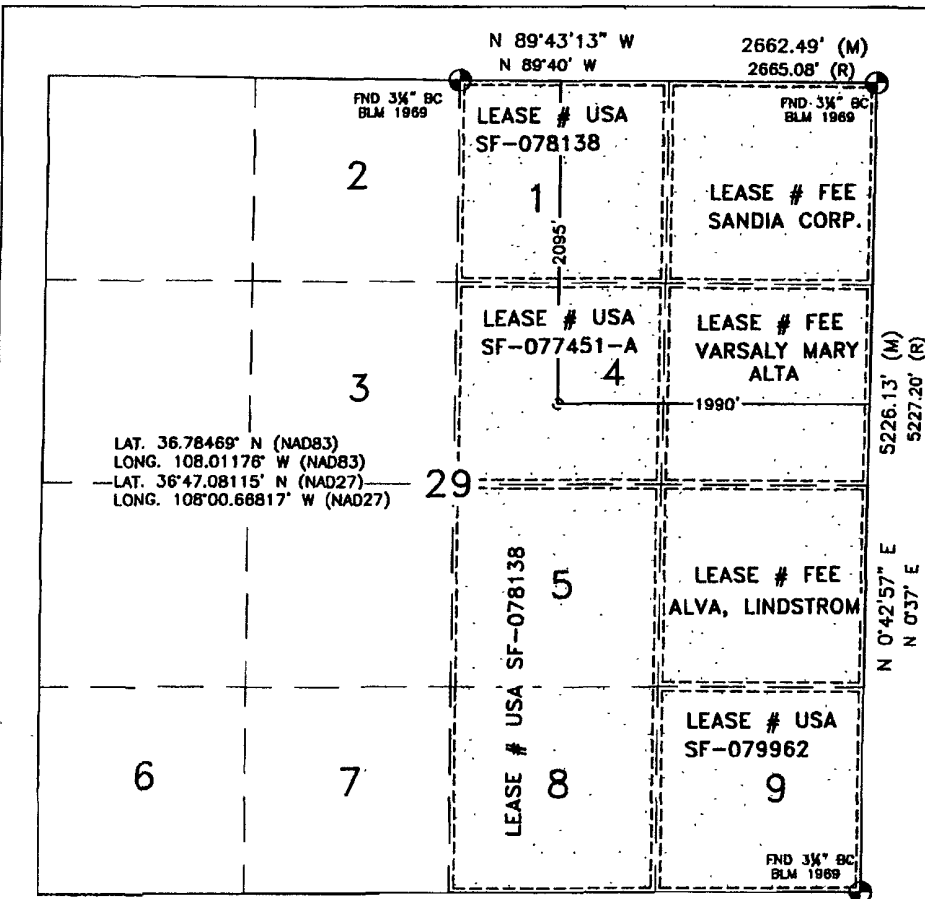
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	29	30N	11W	4	2095'	NORTH	1990'	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no. G	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
*Dedicated Acres 318.89 Acres - (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



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 or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 4/10/08
Signature Date

Crystal Tafoya 6-10-08

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.

MAY 22, 2008

Date of Survey

Signature and Seal of Professional Surveyor

David R. Russell

DAVID RUSSELL

Certificate Number

10201

TRIPLE WELL

6/10/2008

WELL NAME

COUNTY

108.01176 W

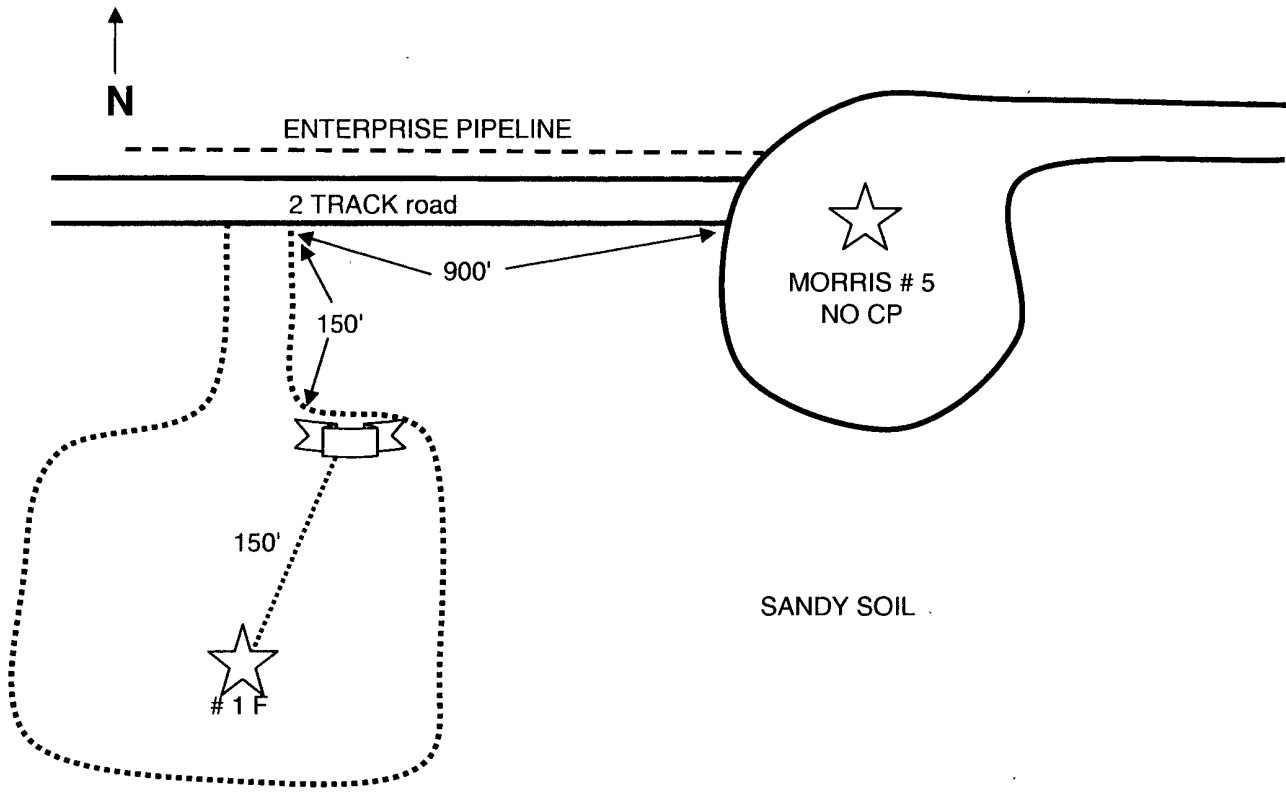
SAN JUAN

WATER PUMP

1 MILE

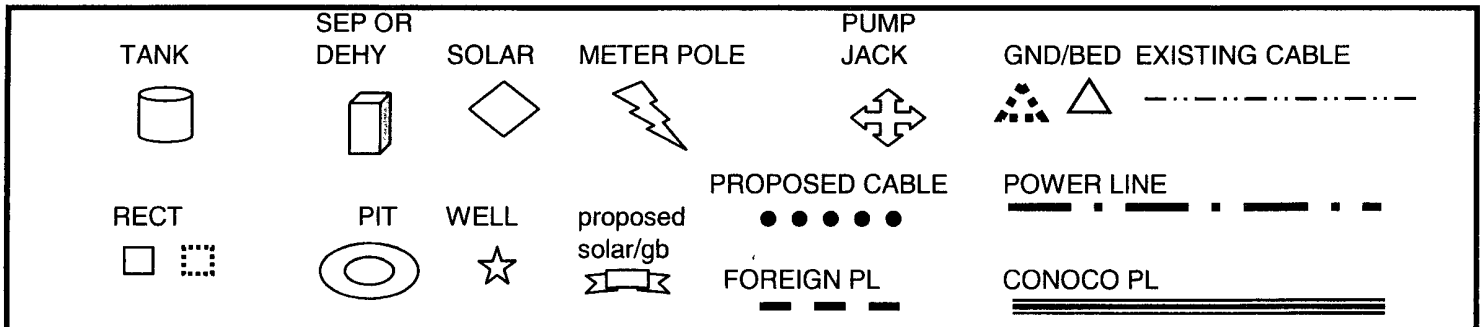
1 PHASE CITY OF FMN PRIMARY 1 MILE

WELL NAME	SANDIA FEDERAL # 1 F
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INSTALL SOLAR SYSTEM

1 PHASE CITY OF FMN PRIMARY 1 MILE



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SANDIA FEDERAL 1F

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8137			AFE \$: 1,268,650.78	
Field Name: SAN JUAN		Rig: H&P Rig 282		State: NM	County: SAN JUAN	API #:
Geologist:		Phone:		Geophysicist:		Phone:
Geoscientist:		Phone:		Prod. Engineer:		Phone:
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 Straight Hole						
Latitude: 36.784686	Longitude: -108.011136	X:	Y:	Section: 29	Range: 011W	
Footage X: 1990 FEL	Footage Y: 2095 FNL	Elevation: 5830 (FT)	Township: 030N			
Tolerance:						
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:
Formation Data: Assume KB = 5842 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5642	☐			200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	697	5145	☐			
KIRTLAND	816	5026	☐			
FRUITLAND	1538	4304	☐			Possible Gas
PICTURED CLIFFS	2145	3697	☐			
LEWIS	2284	3558	☐			
HUERFANITO BENTONITE	2886	2956	☐			
CHACRA	3153	2689	☐			
MASSIVE CLIFF HOUSE	3797	2045	☐			
MENEFEE	3858	1984	☐			
Intermediate Casing	4008	1834	☐			8-3/4" hole, 7" 20 ppf J-55 STC casing. Cement with 903 cuft. Circulate cement to surface.
POINT LOOKOUT	4441	1401	☐	810		GAS
MANCOS	4773	1069	☐			
UPPER GALLUP	5709	133	☐			
GREENHORN	6452	-610	☐			
GRANEROS	6513	-671	☐			
TWO WELLS	6582	-740	☐	1900		Gas
PAGUATE	6629	-787	☐			
CUBERO	6677	-835	☐			
ENCINAL	6737	-895	☐			
Total Depth	6757	-915	☐			6-1/4" hole, 4-1/2" 10.5 ppf, J-55 STC casing. Cement with 378 cuft. Circulate cement to 100' inside previous casing.
Reference Wells:						
Reference Type	Well Name		Comments			

PROJECT PROPOSAL - New Drill / Sidetrack

SANDIA FEDERAL 1F

DEVELOPMENT

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

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
Est bottom perf ~20' above the est TD.							

Additional Information:					
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Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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BURLINGTON RESOURCES OIL & GAS COMPANY LP

SANDIA FEDERAL #1 F

2095' FNL & 1990' FEL

LOCATED IN THE SW/4 NE/4 OF SECTION 29,

T30N, R11W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 516 & HWY 550 IN AZTEC, NM., GO SOUTH ON HWY 550 FOR 3.05 MILES.
- 2) TURN RIGHT & GO 0.1 MILES.
- 3) TURN RIGHT & GO 1.3 MILES TO "T" INTERSECTION.
 -) TURN RIGHT & GO 0.7 MILES TO EXISTING LOCATION.
 -) GO TO WEST SIDE OF LOCATION.
 -) TURN RIGHT, UP HILL FOR 0.3 MILES TO LOCATION, WELL FLAG IS ON LEFT SIDE OF ROAD.

WELL FLAG LOCATED AT LAT. 36.78469°N, LONG. 108.01176°W (NAD 83).