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JUN 10 2008

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RCVD OCT 30 '08
BLM O&G DIV.
DIST. 3

1a. Type of Work DRILL	5. Lease Number NMSF-080751-A Unit Reporting Number NMMNM 103103
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 Sunray F 9. Well Number #1G
4. Location of Well Surf: Unit H(ENE), 1350' FNL & 735' FEL Surf: Latitude 36.78667° N Longitude 107.84748° W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) H Sec. 26, T30N, R10W API # 30-045-34742
14. Distance in Miles from Nearest Town 9.2 miles/Aztec	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 735'	13. State NM
16. Acres in Lease 321.070	17. Acres Assigned to Well 317.22 Acres - (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 683' from Sunray F #1B	
19. Proposed Depth 7449'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6292' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS
24. Authorized by: <u>Crystal Tafaya</u> Crystal Tafaya (Regulatory Technician)	Date <u>10/29/08</u>

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Montenegro

TITLE AFN

DATE 10/29/08

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 3

Bond Numbers NMB-000015 and NMB-000089

NOV 07 2008

NOTIFY AZTEC 24 HRS.
PRIOR TO CASING & CEMENT

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



H₂S POTENTIAL EXIST

NMOC

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.1
and appeal pursuant to 43 CFR 3165.4

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

DISTRICT II
1301 W. 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

Form C-102
Revised October 12, 2005

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

RECEIVED

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Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34742	² Pool Code 71599	³ Pool Name BASIN DAKOTA
⁴ Property Code A726036 7568	⁵ Property Name SUNRAY F	⁶ Well Number 1 G
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6292'

¹⁰ Surface Location

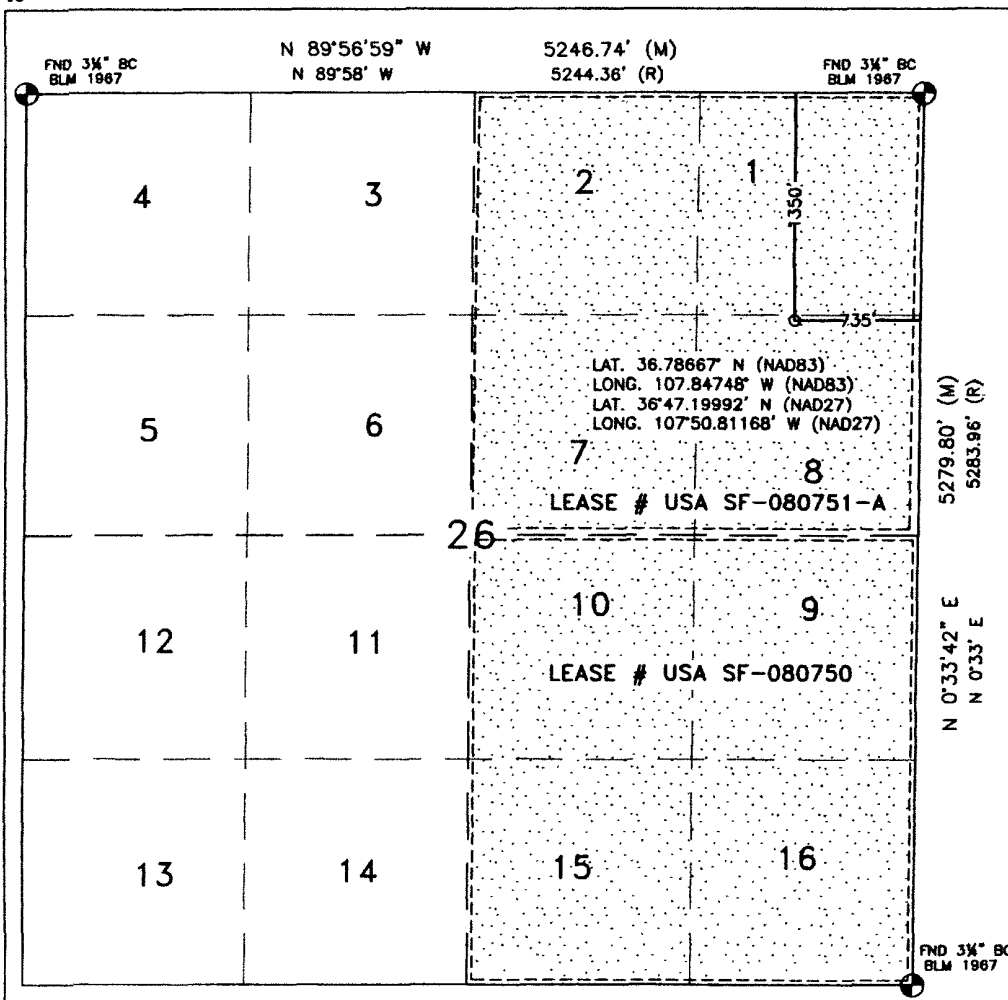
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	26	30N	10W	8	1350'	NORTH	735'	EAST	SAN JUAN

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
H									
¹² Dedicated Acres 317.22 Acres - (E/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

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 6/8/08
Signature Date

Crystal Tafoya 6-8-08

Printed Name

18 SURVEYOR CERTIFICATION

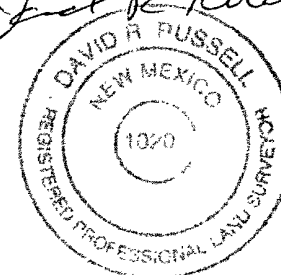
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 3, 2007

Date of Survey

Signature and Seal of Professional Surveyor:

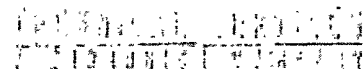
David R. Russell



DAVID RUSSELL

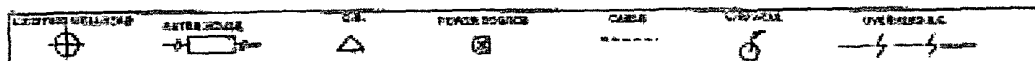
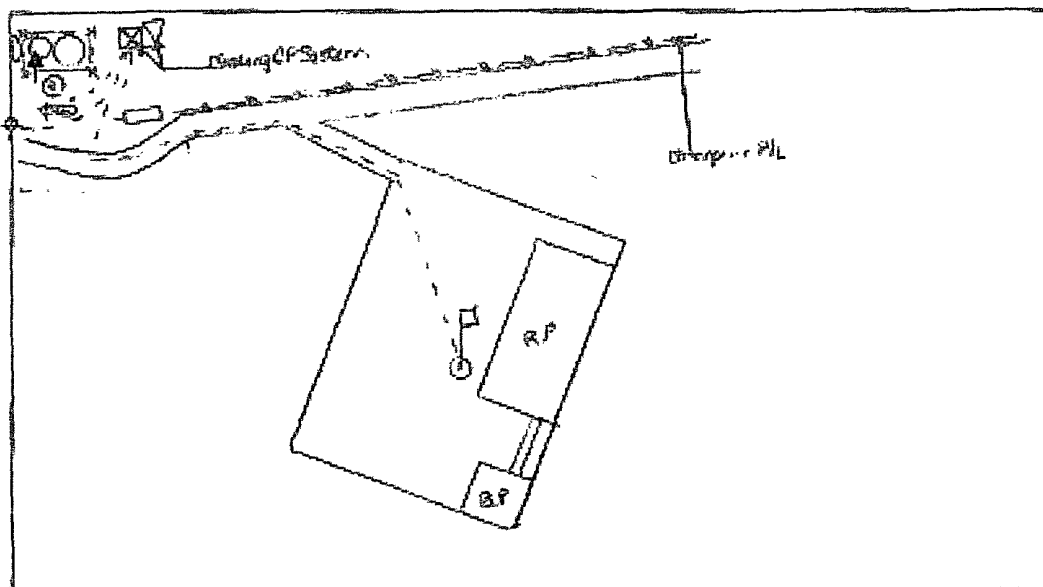
Certificate Number

10201



WELL NAME San Ray, F-16 LEGALS H-26-30-10 COUNTY San Juan

PURPOSED C.P. SYSTEM: 11 month training in Sugar, #1B IE 11/1/30 and drill new
C.P. IE of phasing system (11/1/30 5/1/31). The C.P. will 100% of #1B and from proposed
will be phasing 100% in Sugar, #1B.



COMMENTS: No info into the security document

NEAREST POWER SOURCE: Finding Brothers Sub Sta F #18 DISTANCE: 700'
PIPELINES IN AREA: Enbridge PO

TECHNICIAN: Michael Thompson DATE: 10/3/00

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-781-0363

JK

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SUNRAY F 1G

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7161		AFE \$: 694,595.40	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 283		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist: Phone:	
Geoscientist:		Phone:		Prod. Engineer: Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead: Phone:	

Primary Objective (Zones):	
Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)

Location: Surface	Datum Code: NAD 27	Straight Hole
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Latitude: 36.786670	Longitude: -107.846860	X:	Y:	Section: 26	Range: 010W
Footage X: 735 FEL	Footage Y: 1350 FNL	Elevation: 6292 (FT)	Township: 030N		

Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6304	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6104	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	1649	4655	<input type="checkbox"/>			
KIRTLAND	1749	4555	<input type="checkbox"/>			
FRUITLAND	2334	3970	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2881	3423	<input type="checkbox"/>			
LEWIS	3011	3293	<input type="checkbox"/>			
Intermediate Casing	3111	3193	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 701 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3619	2685	<input type="checkbox"/>			
CHACRA	3871	2433	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	4489	1815	<input type="checkbox"/>	475		Gas
MENEFEE	4646	1658	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	5149	1155	<input type="checkbox"/>			
MANCOS	5599	705	<input type="checkbox"/>			
UPPER GALLUP	6414	-110	<input type="checkbox"/>			
GREENHORN	7139	-835	<input type="checkbox"/>			
GRANEROS	7193	-889	<input type="checkbox"/>			
TWO WELLS	7240	-936	<input type="checkbox"/>	1700		Gas
PAGUATE	7329	-1025	<input type="checkbox"/>			
CUBERO	7376	-1072	<input type="checkbox"/>			
ENCINAL	7449	-1145	<input type="checkbox"/>			
TOTAL DEPTH DK	7449	-1145	<input type="checkbox"/>			10.5 6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 590 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments

PROJECT PROPOSAL - New Drill / Sidetrack

SUNRAY F 1G

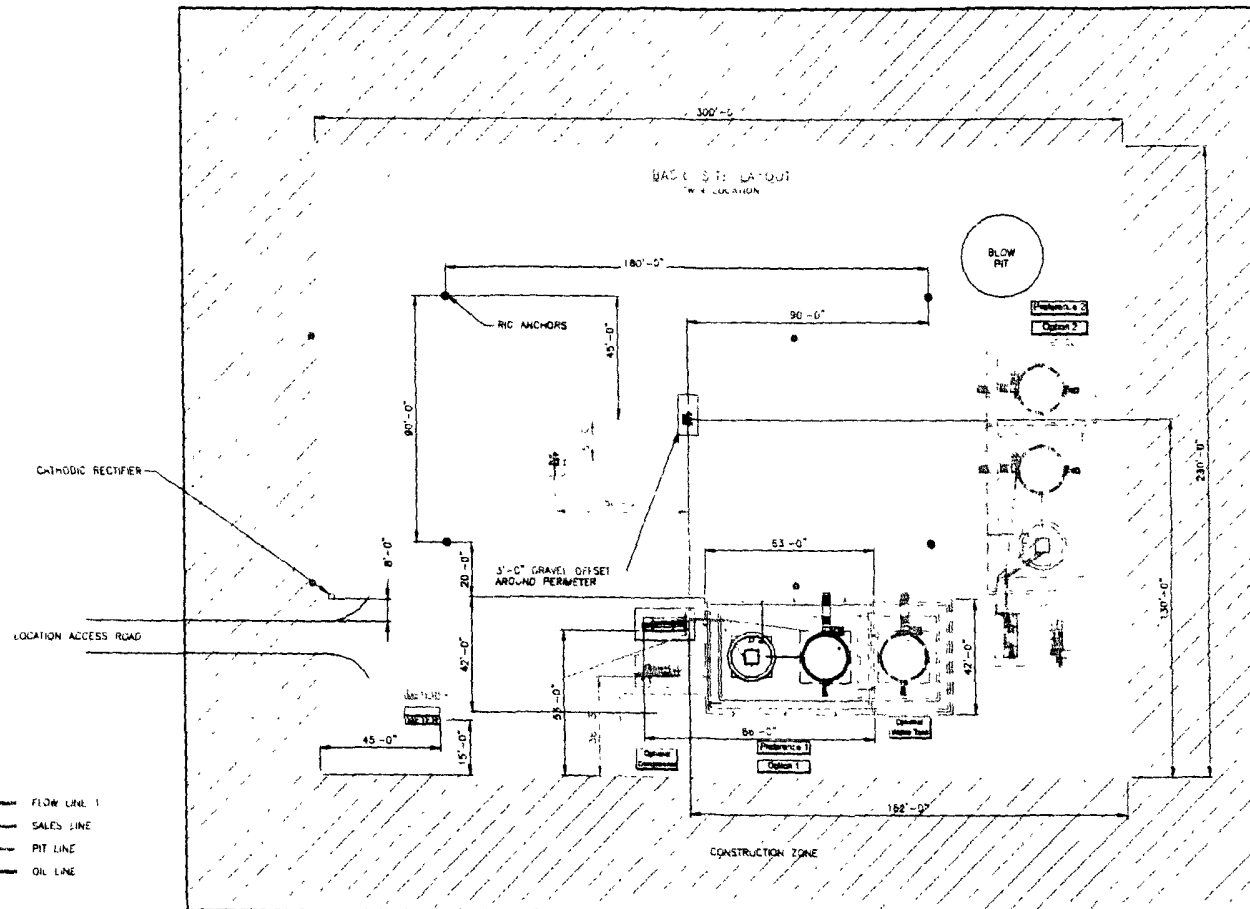
DEVELOPMENT

Logging Program:			
Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo	<input type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input type="checkbox"/> TDT	<input checked="" type="checkbox"/> Other
GR/CBL. Est bottom perf ~15' above TD.							

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

Comments:



FLOW LINE 1
 SALES LINE
 PIT LINE
 OIL LINE

SEE SHEET 3 & 4 FOR PIPING DETAILS.
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 5'-0" FOR

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS		CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT	
DISCIPLINE	REVIEWER	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	NO.	DESCRIPTION	CLIENT APPR.	APPV. DATE
PROCESS													
Mechanical													
Piping													
Electrical													
I & C													
Civil/Structural													
Project													
DESCRIPTION										SAN JUAN BUSINESS UNIT		CLIENT APPR.	APPV. DATE
DATE										DRAWN BY		SCALE: NONE	CALCULATION DATE: N/A
PROJECT										PROJECT NO.		HP3PHASE-REV1	SHEET NO. 1 OF 5

Address: S:\GPR\SanJuan\Regulatory\San Juan Location Site Layout.dwg 06/28/2007 10:29pm

BURLINGTON RESOURCES O&G CO LP

SUNRAY F #1 G
1350' FNL & 735' FEL
LOCATED IN THE SE/4 NE/4 OF SECTION 26,
T30N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 550 & HWY 173, GO EAST ON HWY 173 8.3 MILES.
- 2) TURN RIGHT, GO BACK SOUTHWEST 0.25 MILES.
- 3) TURN LEFT, GO SOUTH 0.4 MILES.
- 4) TURN LEFT, GO EAST 0.25 MILES TO BEGIN ACCESS.
- 5) FOLLOW RED FLAGGING FOR $\pm 82'$ TO LOCATION.

WELL FLAG LOCATED LAT. 36.78667°N, LONG. 107.84748°W (NAD 83)

