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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 08 2010

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078741 Unit Reporting Number NMNM-7842013-DK
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 30-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 27E
4. Location of Well Unit H(ENE), 1668' FNL & 747' FEL Latitude: 36.80077° N (NAD83) Longitude: 107.42578° W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) H Sec. 23, T30N, R6W API # 30-039- 30945
14. Distance in Miles from Nearest Town 44 miles / Blanco	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 747'	13. State NM
16. Acres in Lease 2,378.080	17. Acres Assigned to Well 320.00 E/2 - DK
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 72' from San Juan 30-6 Unit 27 (MV)	20. Rotary or Cable Tools Rotary
19. Proposed Depth 7685'	22. Approx. Date Work will Start
21. Elevations (DF, FT, GR, Etc.) 6253' GL	
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Crystal Tafuya</u> Crystal Tafuya (Regulatory Technician)	Date <u>3/8/2010</u>

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature] TITLE ATMDATE 3/8/2010

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

MAR 19 2010

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
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

NMOCD

NOTIFY AZTEC OGD 24 HRS.
PRIOR TO CASING & CEMENT

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

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

RECEIVED

OIL CONSERVATION DIVISION
1220 South St. Francis Dr. MAR 08 2010
Santa Fe, NM 87505

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

Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30945		*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 27 E
*OGRD No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6253'

¹⁰ Surface Location

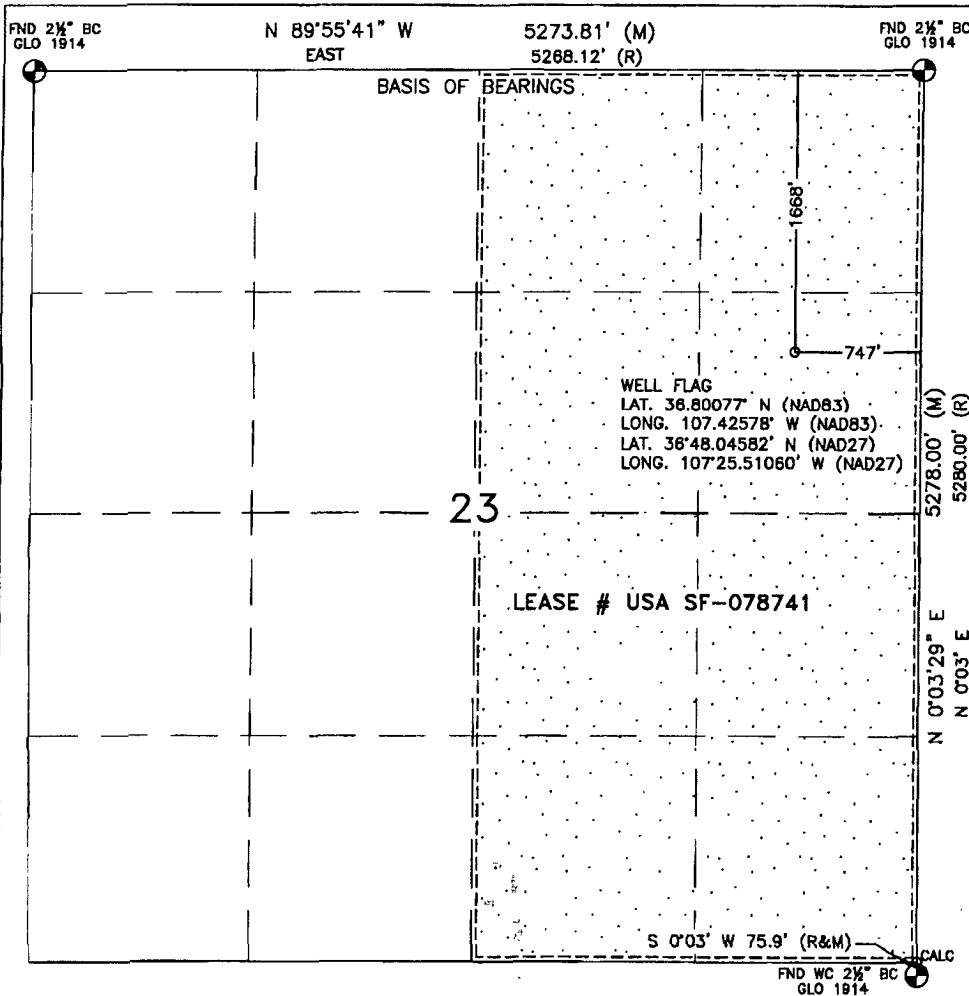
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	23	30N	6W		1668'	NORTH	747'	EAST	RIO ARriba

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 320.00 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

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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 10/28/09
Signature Date

Crystal Tafoya 10-28-09
Printed Name

¹⁸ SURVEYOR CERTIFICATION

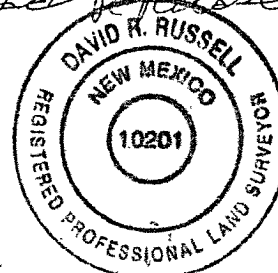
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 9, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

David H. Russell



DAVID RUSSELL

Certificate Number 10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 27E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9329				AFE \$: 888,950.00	
Field Name: SAN JUAN		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Straight Hole							
Latitude: 36.800764		Longitude: -107.425177		X:	Y:	Section: 23	Range: 006W
Footage X: 747 FEL		Footage Y: 1668 FNL		Elevation: 6253 (FT)		Township: 030N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6269 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	201	6068	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.	
NACIMIENTO	989	5280	☐				
OJO ALAMO	2318	3951	☐				
KIRTLAND	2431	3838	☐				
FRUITLAND	2731	3538	☐			Possible Gas	
PICTURED CLIFFS	3191	3078	☐				
LEWIS	3263	3006	☐				
Intermediate Casing	3363	2906	☐			8 3/4" Hole. 7", 20 ppf, J-55, LTC Casing. Cement with 757 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3886	2383	☐				
CHACRA	4241	2028	☐				
UPPER CLIFF HOUSE	4966	1303	☐			Gas; Cliffhouse Is Dry	
MASSIVE CLIFF HOUSE	5084	1185	☐	385		Gas	
MENEFEE	5137	1132	☐				
POINT LOOKOUT	5405	864	☐				
MANCOS	5769	500	☐				
UPPER GALLUP	6665	-396	☐				
GREENHORN	7363	-1094	☐				
GRANEROS	7414	-1145	☐				
TWO WELLS	7523	-1254	☐	3323		Gas; Est. Top Perf - 7524 (-1256)	
PAGUATE	7533	-1264	☐				
UPPER CUBERO	7557	-1288	☐				
LOWER CUBERO	7584	-1315	☐			Est. Btm Perf - 7633 (-1365) based on offset wells	
ENCINAL	7650	-1381	☐			TD - 35' below T/ENCN	
Total Depth	7685	-1416	☐			6-1/4" hole, 4-1/2" 11.6lb/ft L-80 LTC casing. Cement w/ 588 cuft. Circulate cement a minimum of 100' inside the previous casing string.	
Reference Wells:							

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-6 UNIT 27E

DEVELOPMENT

Reference Type	Well Name	Comments
Production	SJ 30-6 27A	30N 6W 23 SW SE
Production	SJ 30-6 43A	30N 6W 14 NE SE
Production	SJ 30-6 41M	30N 6W 13 SW NW SW
Production	SJ 30-6 3A	30N 6W 24 NW NW

Logging Program:

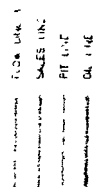
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

Cased Hole GR / CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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1. The first part of the document is a list of names and titles, including "The Hon. Mr. Justice" and "The Hon. Mr. Justice".

[illegible]

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT #27 E
1668' FNL & 747' FEL
LOCATED IN THE SE/4 NE/4 OF SECTION 23,
T30N, R6W, N.M P M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLANCO, TRAVEL EASTERLY ON HWY 64 FOR 28.4 MILES.
- 2) TURN LEFT ONTO HWY 527 AND GO 7.8 MILES.
- 3) TURN RIGHT ONTO ROSA ROAD AND GO 5.1 MILES.
- 4) TURN RIGHT AND GO 2.0 MILES.
- 5) TURN RIGHT AT WELL PAD AND GO 0.4 MILES.
- 6) CONTINUE TO THE RIGHT & GO 0.2 MILES.
- 7) TURN RIGHT AND GO TO EXISTING LOCATION WHERE PAD IS TWINNED.

WELL FLAG LOCATED AT LAT. 36.80077° N, LONG 107.42578° W (NAD 83).

