

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK JUN 23 2009

1a. Type of Work DRILL	5. Lease Number SF-079392 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 San Juan 27-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 139P	
4. Location of Well Surf: Unit M(SWSW), 299' FSL & 31' FWL Surf: Latitude: 36.5535053° N (NAD83) Longitude: 107.3908836° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) M Sec. 20, T27N, R5W API # 30-039-30786	
14. Distance in Miles from Nearest Town 48 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 31'	17. Acres Assigned to Well MV/DK 320 (W/2)	
16. Acres in Lease 2511.830	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1605' from San Juan 27-5 Unit 58	
19. Proposed Depth 7861'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6652' GL	22. Approx. Date Work will Start 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	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <i>Tracey N. Monroe</i> Tracey N. Monroe (Staff Regulatory Technician) 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

AUG 14 2009

NMOCD

This action is subject to technical and procedural review pursuant to 43 CFR 3165.8 and appeal pursuant to 43 CFR 3165.4

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

PA NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT

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, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

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

RECEIVED

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office

JUN 23 2006 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 30-039-30786	² Pool Code 72319 / 71599	³ Pool Name BLANCO MESA VERDE / DAKOTA
⁴ Property Code 7454	⁵ Property Name SAN JUAN 27-5 UNIT	⁶ Well Number 139P
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6652

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
M	20	27 N	5 W		299	SOUTH	31	WEST	RIO ARriba

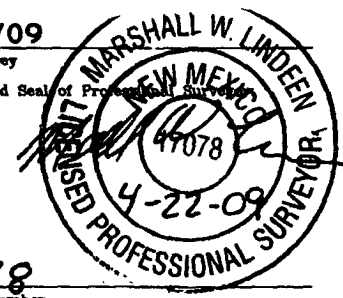
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M									

¹² Dedicated Acres ¹³ Joint or Infill ¹⁴ Consolidation Code ¹⁵ Order No.

320.00 (W/2)

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 S 81°27'27" E 2578.38' N 2°03'18" W 2628.34' N 0°19'02" W 31' 299'	2654.85' USA SF-079392 NAD 83 LAT: 36.5535053° N LONG: 107.3908836° W NAD 27 LAT: 36°33.20975' N LONG: 107°23.41689' W N 83°34'07" W 2761.83'	N 87°06'20" E 2782.69' SECTION 20 N 88°59'22" W 2655.01'	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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature <u>Crystal Tafoya</u> 4/27/09 Date Printed Name Crystal Tafoya 4-27-09	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 <u>4/03/09</u> Signature and Seal of Professional Surveyor  Certificate Number <u>17078</u>
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 139P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8488				AFE \$: 1,359,877.15	
Field Name: SAN JUAN 27-5 UNIT		Rig: H&P Rig 283.		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						
R20076	DAKOTA(R20076)						
R20002	MESAVERDE(R20002)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.553496		Longitude: -107.390282		X:	Y:	Section: 20	Range: 005W
Footage X: 31 FWL		Footage Y: 299 FSL		Elevation: 6652 (FT)	Township: 027N		
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6666 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	350	6316	☐			12-1/4 hole. 350' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 347 cuft. Circulate cement to surface.	
NACIMIENTO	1378	5288	☐				
OJO ALAMO	2776	3890	☐				
KIRTLAND	2890	3776	☐				
FRUITLAND	2982	3684	☐			Possible Gas	
PICTURED CLIFFS	3419	3247	☐				
LEWIS	3483	3183	☐				
Intermediate Casing	3583	3083	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 848 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3772	2894	☐				
CHACRA	4354	2312	☐				
UPPER CLIFF HOUSE	4936	1730	☐			Gas; Est. Top Perf - 4938 (1728)	
MASSIVE CLIFF HOUSE	5024	1642	☐	724		Gas	
MENEFEE	5164	1502	☐				
POINT LOOKOUT	5542	1124	☐				
MANCOS	6037	629	☐				
UPPER GALLUP	6728	-62	☐				
GREENHORN	7508	-842	☐				
GRANEROS	7564	-898	☐				
TWO WELLS	7591	-925	☐	1973		Gas	
PAGUATE	7700	-1034	☐				
UPPER CUBERO	7711	-1045	☐				
LOWER CUBERO	7750	-1084	☐			Est. Btm Perf - 7826 (-1160) based on offset wells	
ENCINAL	7841	-1175	☐			TD - 20' below T/ENCN	
Total Depth	7861	-1195	☐			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 626 cuft. Circulate cement a minimum of 100' inside the previous casing string.	

Reference Wells:

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 139P

DEVELOPMENT

Reference Type	Well Name	Comments
Production	SJ 27-5 164	27N 5W 30 SW NE NE
Production	SJ 27-5 138P	27N 5W 19 SE

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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BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-5 UNIT 139P

299' FSL & 31' FWL

LATITUDE: 36.5535053° N

LONGITUDE: 107.3908836° W

NAD 83

SECTION 20, T-27-N, R-5-W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

FROM THE INTERSECTION OF U.S. HIGHWAY 64 AND
U.S. HIGHWAY 550 IN BLOOMFIELD, NEW MEXICO.

TRAVEL EASTERLY 35.1 MILES ON U.S. HIGHWAY 64.
TURN RIGHT ONTO GENERAL AMERICAN #2 AND TRAVEL
SOUTHERLY 1.1 MILES.

TURN RIGHT AT A TEE INTERSECTION AND TRAVEL
SOUTHWESTERLY 8.3 MILES.

TURN RIGHT AT A TEE INTERSECTION AND TRAVEL
SOUTHWESTERLY 0.6 MILE.

TURN LEFT AT A TEE INTERSECTION AND TRAVEL SOUTHERLY 1.3 MILES.
TURN RIGHT AT TEE INTERSECTION AND TRAVEL WESTERLY 0.8 MILE TO
PROPOSED LOCATION OF SAN JUAN 27-5 UNIT 139P.