

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 24 2010

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-080672 Unit Reporting Number NMNM-78408A-MV	
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 27-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD APR 6 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit F (SENW), 2410' FNL & 1805' FWL Surf: Latitude: 36.559308° N (NAD83) Longitude: 107.223301° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 23, T27N, R4W API # 30-039- 30930	
14. Distance in Miles from Nearest Town 50 miles / Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1805'	17. Acres Assigned to Well 320.00 W/2 - MV/DK	
16. Acres in Lease 2,560.00	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1845' from San Juan 27-4 Unit 110	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
19. Proposed Depth 8415' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Tech)	
21. Elevations (DF, FT, GR, Etc.) 7114' GL	Date <u>2/24/2010</u>	
23. Proposed Casing and Cementing Program See Operations Plan attached		

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Montez

TITLE AFM

DATE 2/5/2010

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

APR 08 2010

NMOCD

NOTIFY AZTEC OCD 24 HRS
PRIOR TO CASING & CEMENTING

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

A COMPLETE C-144 MUST BE SUBMITTED TO AND
APPROVED BY THE NMOCD FOR: A PIT, CLOSED
LOOP SYSTEM, BELOW GRADE TANK, OR
PROPOSED ALTERNATIVE METHOD, PURSUANT
TO NMOCD PART 19.15.17, PRIOR TO THE USE OR
CONSTRUCTION OF THE ABOVE APPLICATIONS.

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

DISTRICT II
1301 West 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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005

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

FEB 24 2010

Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30930	² Pool Code 72319 / 71599	³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	⁶ Well Number 32B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 7114'

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
F	23	27-N	4-W		2410'	NORTH	1805'	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
F									
¹² Dedicated Acres 320.00 W/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 undivided 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Crystal Tafoya</i> 2/22/10 Signature Crystal Tafoya 2/22/10 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. 11-8-07 Date of Survey Signature and Seal of Professional Surveyor: Certificate Number 15703		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 32B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7143				AFE \$: 1,393,180.20	
Field Name: SAN JUAN 27-4 UNIT		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Head, Chip F (Charles)		Phone: +1-505-326-9772		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
R20076	DAKOTA(R20076)						
R20002	MESAVERDE(R20002)						
Location: Surface Datum Code: NAD 27 Straight Hole:							
Latitude: 36.559298	Longitude: -107.222703	X:	Y:	Section: 23		Range: 004W	
Footage X: 1805 FWL		Footage Y: 2410 FNL		Elevation: 7114 (FT)	Township: 027N		
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 7130 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6930	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.	
OJO ALAMO	3393	3737	☐				
KIRTLAND	3567	3563	☐				
FRUITLAND	3640	3490	☐			Possible Gas	
PICTURED CLIFFS	3957	3173	☐				
LEWIS	4075	3055	☐				
Intermediate Casing	4175	2955	☐			8 3/4" Hole. 7", 20 / 23 ppf, J-55, STC Casing. Cement with 941 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4496	2634	☐				
CHACRA	4938	2192	☐				
UPPER CLIFF HOUSE	5526	1604	☐			Gas; Est. Top Perf - 5528 (1602)	
MASSIVE CLIFF HOUSE	5692	1438	☐	861		Gas	
MENEFEE	5820	1310	☐				
POINT LOOKOUT	6129	1001	☐				
MANCOS	6684	446	☐				
UPPER GALLUP	7306	-176	☐				
GREENHORN	8092	-962	☐				
GRANEROS	8158	-1028	☐				
TWO WELLS	8196	-1066	☐	1220		Gas	
PAGUATE	8273	-1143	☐				
UPPER CUBERO	8304	-1174	☐				
LOWER CUBERO	8348	-1218	☐			Est. Btm Perf - 8395 (-1218) based on offset wells	
ENCINAL	8415	-1285	☐			TD - T/ENCN	
Total Depth	8415	-1285	☐			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55/L-80, STC/LTC casing. Cement w/ 577 cuft. Circulate cement a minimum of 100' inside the previous casing string.	
Reference Wells:							
Reference Type	Well Name		Comments				

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-4 UNIT 32B

DEVELOPMENT

Production	SJ 27-4 #143A	22-27N-4W SE SW SE
Production	SJ 27-4 109B	23-27N-4W NW NW SE
Production	SJ 27-4 #3A	15-27N-4W NE NE SE
Production	SJ 27-4 #22	14-27N-4W NW SW

Logging Program:

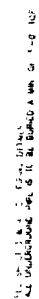
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

GR_CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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[illegible][illegible]

Directions from the Post Office
In Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 27-4 UNIT 32B
2410' FNL & 1805' FWL,
Section 23, T27N, R4W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36.559308° N
Longitude: 107.223301° W
Nad 83

From the Post Office In Blanco, NM
Take Highway 64 East for 27.6 miles

Turn right (southerly) on General American for 1.1 miles,
Turn right (southerly) 3.4 miles to the
Four Corners Intersection,
Continue straight (southerly) 3.9 miles,
Turn left (southeasterly) @ y-intersection 3.6 miles,
Turn right (southerly) 0.5 miles,
Turn left (southerly) 0.7 miles across Cotton Wood Crossing,
Turn left (easterly) 1.8 miles,
Stay left (northeasterly) @ y-intersec 0.7 miles,
Stay right (easterly) 1.1 miles around water hole,
Turn right (southeasterly) 0.6 miles,
Turn left (easterly-southeasterly) on forest road 315 4.4 miles,
To the intersection of F.R. 315 & F.R. 316,
Turn left (northerly) on F.R. 315F 0.9 miles,
To the north side of the existing well pad,
SAN JUAN 27-4 UNIT 110, from which the new access begins,
And continues for 1800' to the newly staked location.