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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 28 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK ^{Farmington Field Office}
Bureau of Land Management

1a. Type of Work DRILL	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	5. Lease Number USA SF-077652 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 APR 29 '11 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 East 9. Well Number 6N
4. Location of Well Surface: Unit F (SENW), 2335' FNL & 1540' FWL Surface: Latitude: 36.885497° N (NAD83) Lot 4 Longitude: 108.071491° W		10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 23, T31N, R12W API # 30-045- 35255
14. Distance in Miles from Nearest Town 7.3 Miles from Aztec, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1540'		
16. Acres in Lease 2,514.58 Acres	17. Acres Assigned to Well 321.06 Acres W/2 (MV/DK)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1212' from BRO&G East 6N (MV)		
19. Proposed Depth 7270'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6157' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)	<u>2-25-11</u> Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY D. Mantelera TITLE AFM DATE 3/25/11

Archaeological Report attached A gas recovery unit may or may not be used on this location.

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

MAY 17 2011

AV

NMOCD

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 ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

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.

PC

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 July 16, 2010

Submit One Copy to Appropriate
District Office

FEB 28 2011

Farmington Field Office
Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION

¹ API Number 30-045- 35255	² Pool Code 72319/71599	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 18517	⁵ Property Name EAST	⁶ Well Number 6N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6157'

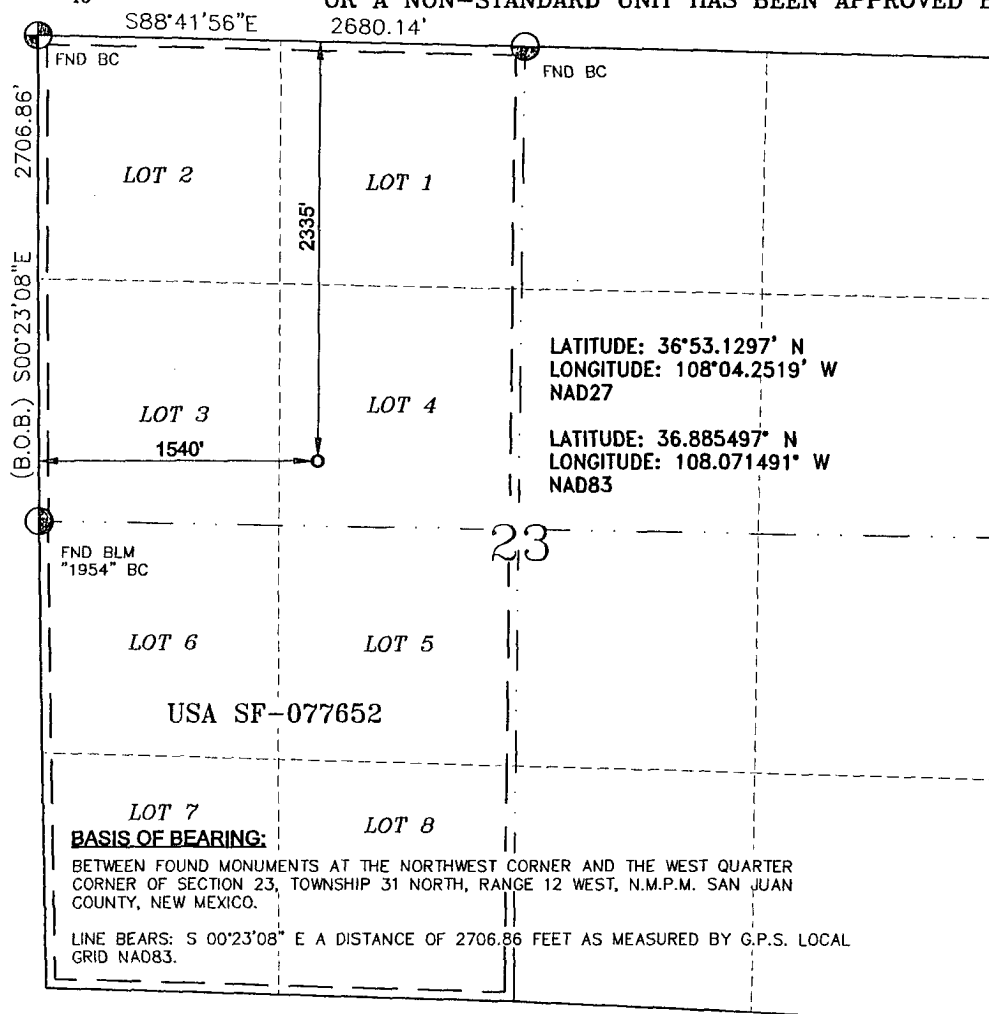
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	23	31-N	12-W		2335	NORTH	1540	WEST	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
F									
¹² Dedicated Acres DK 321.06 ACRES W/2 MV 321.06 ACRES 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



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 released 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.

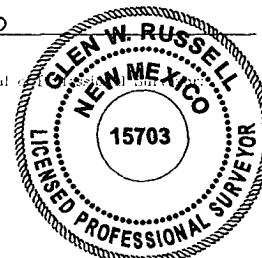
Brandie Blakley 11-22-10
Signature
Brandie Blakley 11/22/10
Printed Name

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.

11/10/2010
Date of Survey

Signature and Seal



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

EAST 6N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0092		AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Phone:	
Res. Engineer:		Phone:		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: 36.885495	Longitude: -108.070835	X:	Y:	Section: 23	Range: 012W
Footage X: 1540 FWL	Footage Y: 2335 FNL	Elevation: 6157	(FT)	Township: 031N	
Tolerance:					

Location Type:	Start Date (Est.): 1/1/2013	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6172 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5972		<input type="checkbox"/>			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	982	5190		<input type="checkbox"/>			
KIRTLAND	1048	5124		<input type="checkbox"/>			
FRUITLAND	1976	4196		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2655	3517		<input type="checkbox"/>			
LEWIS	2786	3386		<input type="checkbox"/>			
HUERFANITO BENTONITE	3348	2824		<input type="checkbox"/>			
CHACRA	3723	2449		<input type="checkbox"/>			
UPPER CLIFF HOUSE	4162	2010		<input type="checkbox"/>			Gas; Cliffhouse is wet
MASSIVE CLIFF HOUSE	4270	1902		<input type="checkbox"/>	545		Gas
MENEFEE	4420	1752		<input type="checkbox"/>			Est. Top Perf - 4620 (1552)
Intermediate Casing	4570	1602		<input type="checkbox"/>	144		8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 1030 cuft. Circulate cement to surface.
POINT LOOKOUT	4922	1250		<input type="checkbox"/>			
MANCOS	5332	840		<input type="checkbox"/>			
UPPER GALLUP	6248	-76		<input type="checkbox"/>			
GREENHORN	6980	-808		<input type="checkbox"/>			
GRANEROS	7034	-862		<input type="checkbox"/>			
TWO WELLS	7094	-922		<input type="checkbox"/>	1974		Gas
PAGUATE	7162	-990		<input type="checkbox"/>			
LOWER CUBERO	7189	-1017		<input type="checkbox"/>			Est. Btm Perf - 7250 (- 1078) based on offset wells
UPPER CUBERO	7189	-1017		<input type="checkbox"/>			
ENCINAL	7240	-1068		<input type="checkbox"/>			TD - 30' below T/ENCN
Total Depth	7270	-1098		<input type="checkbox"/>	198		6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 372 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

EAST 6N

DEVELOPMENT

Reference Type	Well Name	Comments
Production	East 7E	31N 12W 14 SE NW SW
Production	Hedges Sarah M 2M	31N 12W 23 NE NW SE
Production	Hedges 2	31N 12W 23 NE NE

Logging Program:

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

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

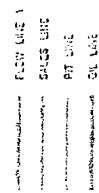
Cased Hole GR / CBL

Mudlog from 100' above top of GLLP to TD - mudlogger will call TD.

Additional Information:

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



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1.2
Σ
3.6

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Directions from the Intersection of
Highway 516 & Highway 574 in Aztec, NM
to
BURLINGTON RESOURCES OIL & GAS COMPANY LP
EAST #6N
2335' FNL & 1540' FWL,
Section 23, T31N, R12W, N.M.P.M., San Juan County,
New Mexico
Latitude: 36° 53'07.789" N
Longitude: 108° 04'17.368" W
Nad 83

Go north on Hwy 574 for 6.6 miles
turn left (southerly) for 0.7 miles,
to beginning of new access on left side of road.
Turn left (southeasterly) 230.03' to newly staked location.