

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

JUL 13 2011

1a. Type of Work DRILL	5. Lease Number SF-077651 Unit Reporting Number NMNM73443(MV) NMNM73857(DK)
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name RCVD SEP 6 '11 OIL CONS. DIV.
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Sadie West 9. Well Number 2M
4. Location of Well Surface: Unit N(SESW), 1202' FSL & 1926' FWL Surface: Latitude: 36.8809119° N (NAD83) Longitude: 108.1055881° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 21, T31N, R12W API # 30-045-35305
14. Distance in Miles from Nearest Town 9 miles from La Plata	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 1202'	13. State NM
16. Acres in Lease 1.000 2320.58	17. Acres Assigned to Well 320 (W/2) DK 320 (W/2) MV
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 937' from Sadie West 1 (MV)	
19. Proposed Depth 7179'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6067' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)	7/12/11 Date

PERMIT NO. APPROVAL DATE
APPROVED BY [Signature] TITLE AFEM DATE 9/6/11

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

This action is subject to technical and procedural review pursuant to 43 CFR 3165.9 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS

SEP 20 2011

AV NMOCD

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

NOTIFY AZFEC 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

Form C-102
Revised July 16, 2010
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 35305	² Pool Code 71599 / 72319	³ Pool Name BLANCO BASIN DAKOTA / MESA VERDE
⁴ Property Code 7632	⁵ Property Name SADIE WEST	⁶ Well Number 2M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6067

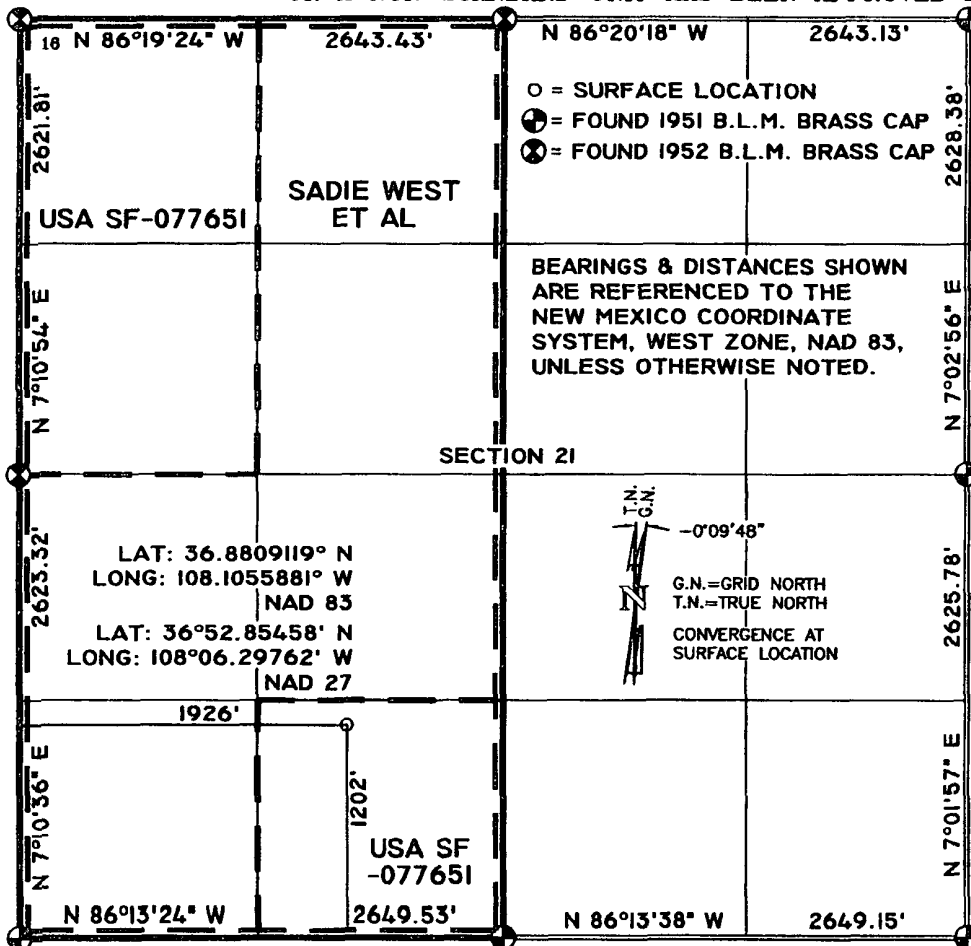
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	21	31 N	12 W		1202	SOUTH	1926	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
¹² Dedicated Acres 320 (W/2) DK 320 (W/2) MV		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 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: Dollie L. Busse Date: 3/20/11
Printed Name: Dollie L. Busse
E-mail Address: _____

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: 3/03/11
Signature and Seal of Professional Surveyor: [Signature]
Certificate Number: 17078

MARSHALL W. LINDEEN
314-17078
PROFESSIONAL SURVEYOR

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SADIE WEST 2M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.1017				AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 920		State: NM	County: SAN JUAN		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)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface		Datum Code: NAD 27				Straight Hole	
Latitude: 36.880910	Longitude: -108.104960	X:	Y:	Section: 21		Range: 012W	
Footage X: 1926 FWL	Footage Y: 1202 FSL	Elevation: 6067	(FT)	Township: 031N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6082		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5882		<input type="checkbox"/>			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	829	5253		<input type="checkbox"/>			
KIRTLAND	883	5199		<input type="checkbox"/>			
FRUITLAND	1802	4280		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2442	3640		<input type="checkbox"/>			
LEWIS	2632	3450		<input type="checkbox"/>			
HUERFANITO BENTONITE	3182	2900		<input type="checkbox"/>			
CHACRA	3548	2534		<input type="checkbox"/>			
UPPER CLIFF HOUSE	3992	2090		<input type="checkbox"/>			Gas; Cliffhouse is wet
MASSIVE CLIFF HOUSE	4072	2010		<input type="checkbox"/>	595		Gas
MENEFEE	4201	1881		<input type="checkbox"/>			Est. Top Perf - 4203 (1879)
Intermediate Casing	4351	1731		<input type="checkbox"/>		141	8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 980 cuft. Circulate cement to surface.
POINT LOOKOUT	4797	1285		<input type="checkbox"/>			
MANCOS	5166	916		<input type="checkbox"/>			
UPPER GALLUP	6102	-20		<input type="checkbox"/>			
GREENHORN	6844	-762		<input type="checkbox"/>			
GRANEROS	6895	-813		<input type="checkbox"/>			
TWO WELLS	6956	-874		<input type="checkbox"/>	1878		Gas
PAGUATE	7016	-934		<input type="checkbox"/>			
LOWER CUBERO	7055	-973		<input type="checkbox"/>			
UPPER CUBERO	7055	-973		<input type="checkbox"/>			
ENCINAL	7099	-1017		<input type="checkbox"/>			TD - 80' below T/ENCN; Est. Btm Perf - 7159 (- 1077) based on offset wells
Total Depth	7179	-1097		<input type="checkbox"/>		198	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 389 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

SADIE WEST 2M

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments
Production	Davis 9F	31N 12W 21 SE NW NE
Production	Sadie West 2E	31N 12W 21 NE SW SW
Production	Sadie West 2	31N 12W 21 NW NW
Production	Nye Federal 1M	31N 12W 20 NW SE 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

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

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SADIE WEST 2M

1202' FSL & 1926' FWL

LATITUDE: 36.8809119° N

LONGITUDE: 108.1055881° W

NAD 83

SECTION 24, T-31-N, R-12-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

FROM THE INTERSECTION OF NEW MEXICO STATE HIGHWAY 516 AND
NORTH LIGHT PLANT ROAD (HIGHWAY 173) IN AZTEC, NEW MEXICO.

TRAVEL NORTHWESTERLY ON NORTH LIGHT PLANT ROAD FOR 7.3 MILES.

TURN LEFT AND TRAVEL 2.2 MILES SOUTHWESTERLY.

TURN RIGHT AND TRAVEL NORTHWESTERLY 0.3 MILE TO
PROPOSED SADIE WEST 2M WELL LOCATION AND ACCESS ROUTE.