

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 01 2009

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-080430 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 28-6 Unit RCVD MAY 8 '09 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	
4. Location of Well Surf: Unit F (SENW), 2160' FNL & 1495' FWL Surf: Latitude: 36.662560° N (NAD83) Longitude: 107.510782° W	9. Well Number 159N 10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) f Sec. 18, T28N, R6W API # 30-039-30761	
14. Distance in Miles from Nearest Town 30 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1495'	17. Acres Assigned to Well MV 262.84 (W/2) DK-328.37 W/218 NW/419	
16. Acres in Lease 986.040	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1063' from San Juan 28-6 Unit 28A	22. Approx. Date Work will Start	
19. Proposed Depth 7881'	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	
21. Elevations (DF, FT, GR, Etc.) 6635' GL	23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <i>Crystal Tafoya</i> Crystal Tafoya (Regulatory Technician)	Date <i>5/7/09</i>	

PERMIT NO.

APPROVAL DATE

APPROVED BY *D. Montoya*

TITLE *AFM*

DATE *5/7/09*

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

NOTIFY AZTEC OCD 24 HRS
PRIOR TO CASING & CEMENTING

JUN 10 2009

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOCD

Drilling operations authorized are subject to compliance with attached "General Requirements".

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30761		*Pool Code 72319 / 1	*Pool Name BLANCO MESAVERDE/ BLANCO
*Property Code 7462	*Property Name SAN JUAN 28-6 UNIT		*Well Number 159N
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6635'

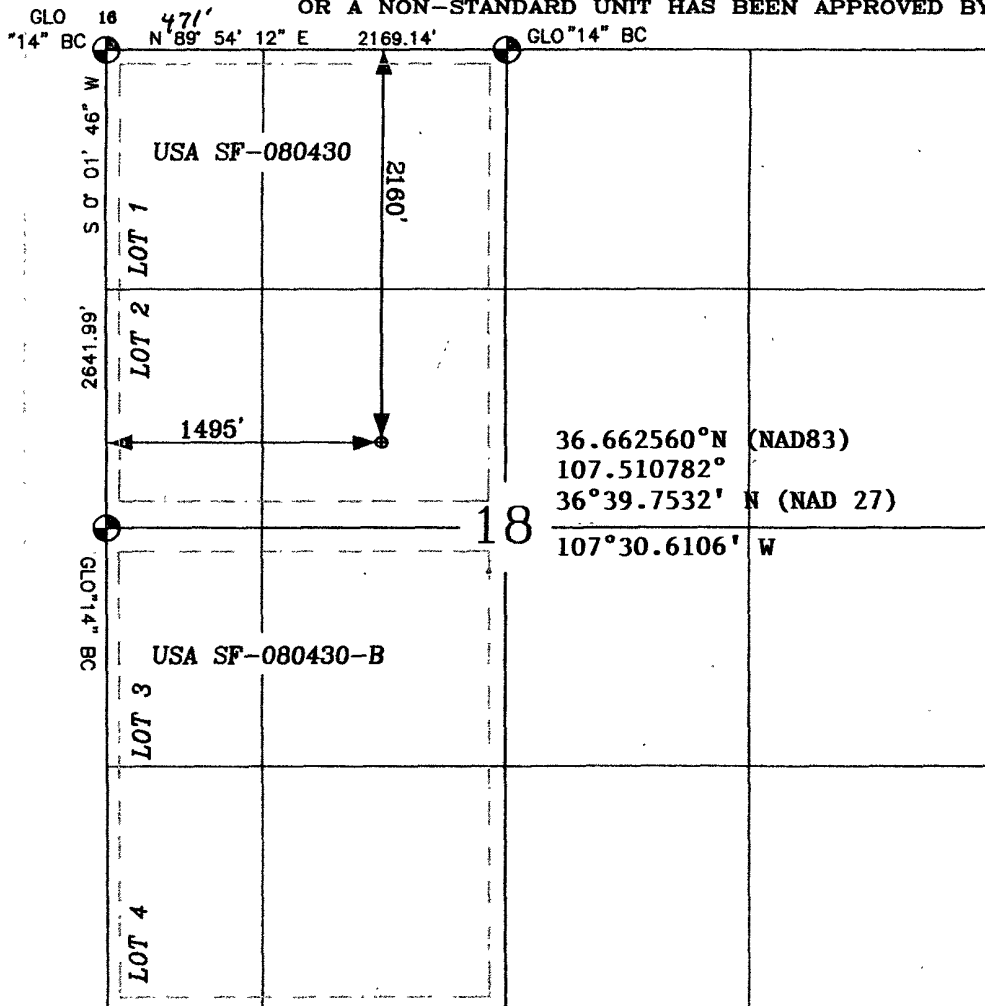
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	18	28-N	6-W		2160'	NORTH	1495'	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 MV 262.84 ACRE 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 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 4/24/09
Signature
Crystal Tafoya 4-24-09
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.

8-6-08
Date of Survey
Signature and Seal of Professional Surveyor
GLEN W. RUSSELL
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Certificate Number 15703

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

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Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
RCVD MAY 29 '09
☐ AMENDED REPORT
OIL CONS. DIV.

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30761	² Pool Code 71599	³ Pool Name Basin # DAKOTA	DIST. 3
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28-6 UNIT		⁶ Well Number 159N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 6635'

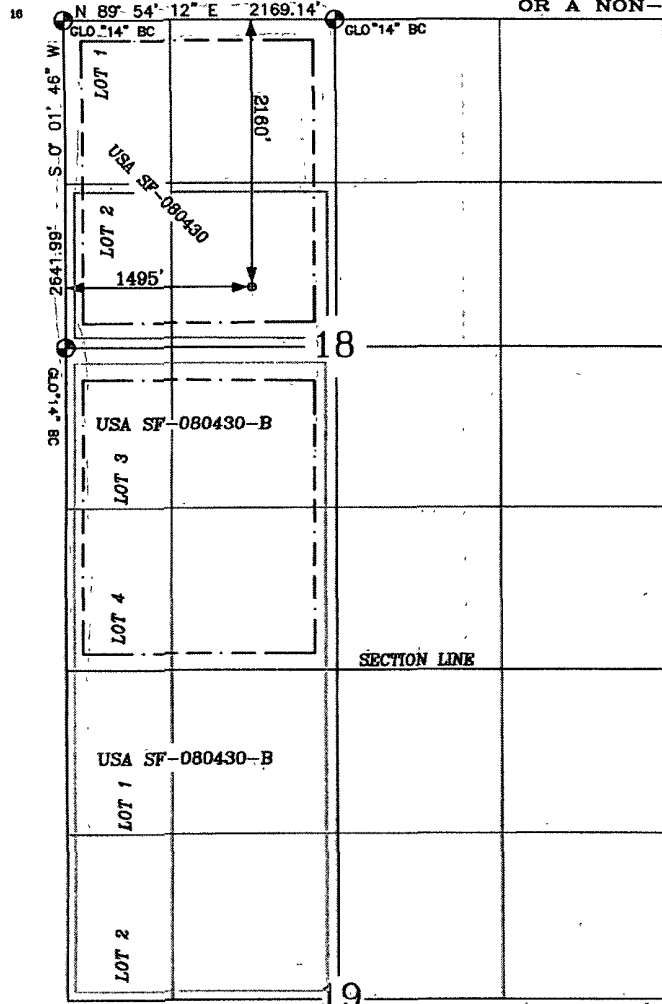
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UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F									
¹² Dedicated Acres DK 32837 AC					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. W/2 18 R-2948 NW/4 19

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



LAT: 36°39.7532' N.
LONG: 107°30.6106' W.
NAD 1927

LAT: 36.662560' N.
LONG: 107.510782' W.
NAD 1983

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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 5/29/09
Signature
Crystal Tafoya 5-29-09
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.

5-29-09
Date of Survey
Signature of Registered Professional Surveyor
GLEN RUSSELL
15703
LICENSED PROFESSIONAL SURVEYOR
Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 159N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8012		AFE \$: 1,310,653.11	
Field Name: hBR_SAN JUAN 28-6 UNIT		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

Location: Surface Datum Code: NAD 27

Latitude: 36.662552	Longitude: -107.510177	X:	Y:	Section: 18	Range: 006W
Footage X: 1495 FWL	Footage Y: 2160 FNL	Elevation: 6635 (FT)	Township: 028N		

Tolerance:

Location Type: Year Round Start Date (Est.): 1/1/2009 Completion Date: Date In Operation:

Formation Data: Assume KB = 6647 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6447	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	2608	4039	☐			
KIRTLAND	2707	3940	☐			
FRUITLAND	3213	3434	☐			Possible Gas
PICTURED CLIFFS	3429	3218	☐			
LEWIS	3527	3120	☐			
Intermediate Casing	3627	3020	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 817 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4028	2619	☐			
CHACRA	4370	2277	☐			Top perf.
UPPER CLIFF HOUSE	4972	1675	☐			Gas
MASSIVE CLIFF HOUSE	5074	1573	☐	511		Gas
MENEFEE	5252	1395	☐			
POINT LOOKOUT	5602	1045	☐			
MANCOS	6102	545	☐			
UPPER GALLUP	6828	-181	☐			
GREENHORN	7564	-917	☐			
GRANEROS	7624	-977	☐			
TWO WELLS	7669	-1022	☐	1500		Gas
UPPER CUBERO	7777	-1130	☐			
LOWER CUBERO	7814	-1167	☐			
Total Depth	7881	-1234	☐			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 579 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 28-6 Unit 212	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 159N

DEVELOPMENT

Logging Program:

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

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

GR_CBL. Bott perf 15' above TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 28-6 UNIT 159N
2160' FNL & 1495' FWL,
Section 18, T28N, R6W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 39' 45.2" N
Longitude: 107° 30' 38.8" W
Nad 83

From the Post Office in Blanco, NM
Take Highway 64 East for 22.8 miles
turn right (southwesterly) for 1.96 miles,
turn right (southwesterly) for 1.30 miles,
to the top of snake hill,
turn right (westerly) for 3.0 miles,
turn left (southerly) for 0.7
turn right (westerly) 0.2 miles,
to the beginning of new access on the left side of the road,
which continues for 557.85' to the newly staked well location.