

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD DEC 31 '08
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED NOV 21 2008	5. Lease Number SF-078943-A Unit Reporting Number NMNM-78417B-DK NMNM-78417A
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	Bureau of Land Management Farmington Field Office	7. Unit Agreement Name San Juan 29-7 Unit
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 K (NWSE), 1800' FSL & 1420' FWL Bottom: Unit N (SESW), 710' FSL & 820' FWL Surf: Latitude 36.738172 N Longitude 107.61388 W Bottom: Latitude 36.73519 N Longitude 107.61596 W		9. Well Number #126N 10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) K Sec. 7, T29N, R7W API # 30-039- 30592
14. Distance in Miles from Nearest Town 16.5 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1800'		
16. Acres in Lease 546.720	17. Acres Assigned to Well MV 226.72 (W/4 sec. 7) — DK 345.19 (SW/4 Sec 7 & W/2 Sec. 18)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' from SJ 29-7 Unit 548		
19. Proposed Depth 7543'	 H ₂ S POTENTIAL EXIST	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6311' GR	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: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>11/20/08</u> Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY DJ Montoya TITLE AFM DATE 12/30/08

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.

Master Plan #3

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

for Directional Survey
and "As Drilled" plat

NMOCD

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

NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT
JAN 07 2009

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30592	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/ BLANCO MESAVERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 126N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6311'

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
K	7	29N	7W		1800'	SOUTH	1420'	WEST	RIO ARRIBA

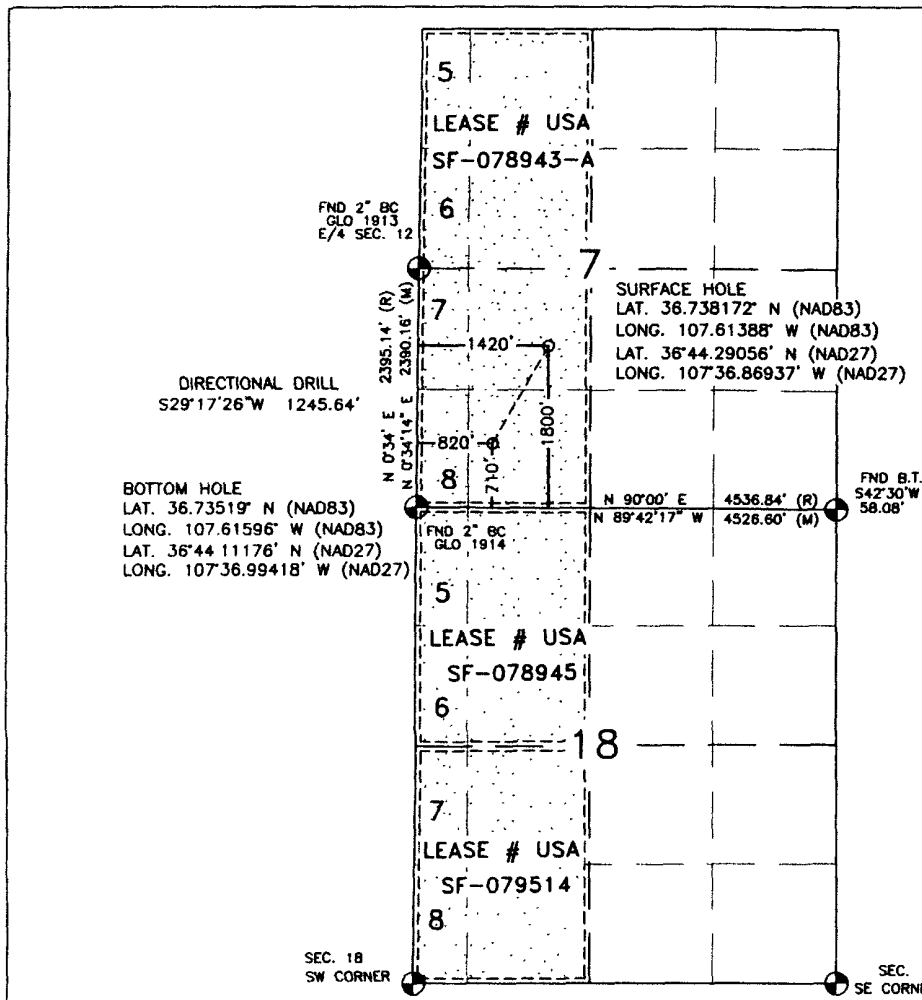
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	7	29N	7W		710'	SOUTH	820'	WEST	RIO ARRIBA

¹² Dedicated Acres 226.72 Acres - (W/2 SEC. 7 - MV) 345.19 Acres - (SW/4 SEC. 7 & W/2 SEC. 18 - DK)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R3246
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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 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 or a compulsory pooling order heretofore entered by the division.

James Gardenhire 11/03/08
Signature Date

James Gardenhire
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.

SEPTEMBER 14, 2007

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell

DAVID RUSSELL

Certificate Number

10201

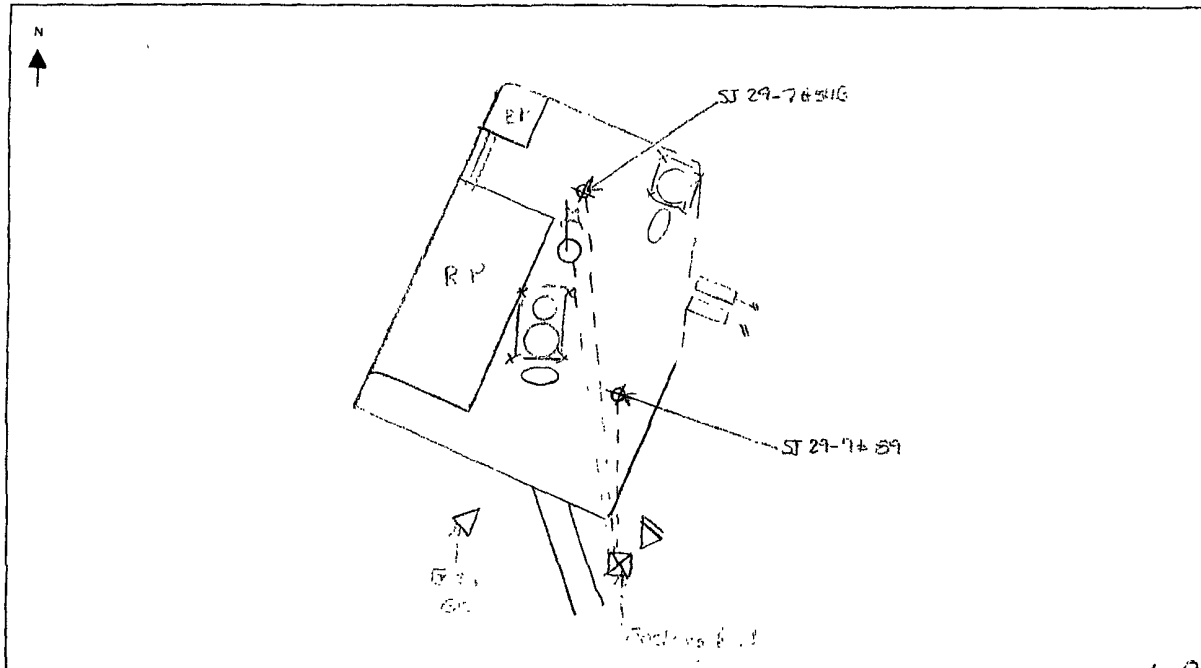


PROTECT YOUR INVESTMENT
WITH A PROTECTIVE PLAN

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME ST 29-7 #10211 LEGALS K-7-29-7 COUNTY Rio Arriba

PURPOSED C.P. SYSSYEM: Upgrade existing rectifier and drill new GB on outer SE edge. To cut approx 200' of #10 neg from proposed well to rectifier. Retrench negs to existing wellheads if needed.



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

COMMENTS: 4.1 a 3.5a / 17.08v / 7.6amp = 2.54 ohm

NEAREST POWER SOURCE Cutting Rock ST 29-7 # 548 DISTANCE: 1.1 miles
PIPELINES IN AREA: _____

TECHNICIAN: Michael J. Hargrave DATE: 10/11/07

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 126N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7162				AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: Aztec Rig 777		State: NM	County: RIO ARRIBA		API #:
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						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Datum Code: NAD 27							
Latitude: 36.738164	Longitude: -107.613270	X:	Y:	Section: 07		Range: 007W	
Footage X: 1420 FWL	Footage Y: 1800 FSL	Elevation: 6311	(FT)	Township: 029N			
Tolerance:							
Location: Datum Code: NAD 27							
Latitude: 36.735184	Longitude: -107.615350	X:	Y:	Section: 07		Range: 007W	
Footage X: 820 FWL	Footage Y: 710 FSL	Elevation:	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6326 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	203	6123	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 148 cuft. Circulate cement to surface.	
OJO ALAMO	2023	4303	☐				
KIRTLAND	2211	4115	☐				
FRUITLAND COAL	2799	3527	☐				
PICTURED CLIFFS	3069	3257	☐				
LEWIS	3201	3125	☐				
HUERFANITO BENTONITE	3716	2610	☐				
Intermediate Casing	4000	2326	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 788 cuft. Circulate cement to surface.	
CHACRA	4033	2293	☐				
MASSIVE CLIFF HOUSE	4794	1532	☐	450		Gas	
MENEFEE	4861	1465	☐				
MASSIVE POINT LOOKOUT	5241	1085	☐				
MANCOS	5628	698	☐				
UPPER GALLUP	6493	-167	☐				
GREENHORN	7224	-898	☐				
GRANEROS	7283	-957	☐				
TWO WELLS	7334	-1008	☐	1800		Gas	
UPPER CUBERO	7447	-1121	☐				
LOWER CUBERO	7473	-1147	☐				
ENCINAL	7543	-1217	☐				
TOTAL DEPTH DK	7543	-1217	☐			6-1/4" hole. 4-1/2", 10.5/11.6 ppf, J-55, STC/LTC csg. Cement w/ 589 cuft. Circulate cement a min. of 100' inside the previous casing string.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 126N

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
Est bottom perf is ~14' above the est TD.	

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

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #126N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6326 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 6326 0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #126N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,116 9	2,023 0	Ojo Alamo		0 00		
2,324 9	2,211 0	Kirtland		0 00		
2,975 6	2,799 0	Fruitland		0 00		
3,274 4	3,069 0	Pictured Cliffs		0 00		
3,420 4	3,201 0	Lewis		0 00		
3,959 7	3,716 0	Huerfano Bentonite		0 00		
4,277 8	4,033 0	Chacra		0 00		
5,038 8	4,794 0	Massive Cliffhouse		0 00		
5,105 8	4,861 0	Menefee		0 00		
5,485 8	5,241 0	Pt. Lookout		0 00		
5,872 8	5,628 0	Mancos		0 00		
6,737 8	6,493 0	Upper Gallup		0 00		
7,468 8	7,224 0	Greenhorn		0 00		
7,527 8	7,283 0	Graneros		0 00		
7,578 8	7,334 0	Two Wells		0 00		
7,691 8	7,447 0	Upper Cubero		0 00		
7,717 8	7,473 0	Lower Cubero		0 00		
7,787 8	7,543 0	Encinal		0 00		

BURLINGTON RESOURCES O&G CO LP

SAN JUAN 29-7 UNIT #126N
1800' FSL & 1420' FWL
LOCATED IN THE NE/4 SW/4 OF SECTION 7,
T29N, R7W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM BLANCO, NM POST OFFICE, TRAVEL 15.0 MILES EAST ON HIGHWAY 64 TO A GATED ACCESS ON THE RIGHT.
- 2) TRAVEL THROUGH GATE 1 5 MILES TO EXISTING WELL LOCATION.

WELL FLAG LOCATED AT LAT 36.73817 ° N, LONG. 107 61388° W (NAD83)

JOB No.: COP093
DATE: 09/26/07



Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637