

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

MAR 26 2010

1a. Type of Work DRILL	5. Lease Number SF-078425	Bureau of Land Management Farmington Field Office
1b. Type of Well GAS	Unit Reporting Number NMNM-78417A-MV NMNM-78417B-DK	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	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 RCVD JUL 22 '10	9. Well Number 138M OIL CONS. DIV. DIST. 3
4. Location of Well Surface: Unit E(SWNW), 1580' FNL & 980' FWL Bottomhole: Unit D(NWNW), 710' FNL & 230' FWL Surface: Latitude: 36.699659° N (NAD83) Longitude: 107.527977° W Bottomhole: Latitude: 36.702062° N (NAD83) Longitude: 107.530531° W	10. Field, Pool, Wildcat Blanco MV / Basin DK	11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 25, T29N, R7W API # 30-039- 30961
14. Distance in Miles from Nearest Town 32 miles / Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 230'	17. Acres Assigned to Well 320.00 W/2 - MV/DK	
16. Acres in Lease 2,080.00		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 70' from San Juan 29-7 Unit 138		
19. Proposed Depth 8026'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6735' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	<u>3/26/2010</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

Threatened and Endangered Species Report attached

Hold C104

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3 for Directional Survey

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 3165.5 and appeal pursuant to 43 CFR 3165.7

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

JUL 28 2010

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

RECEIVED

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

MAR 26 2010 Form C-102
Revised October 12, 2005

Bureau of Land Management
Submit to Appropriate District Office
Burlington Field Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30961		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 138M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 6735'

¹⁰ Surface Location

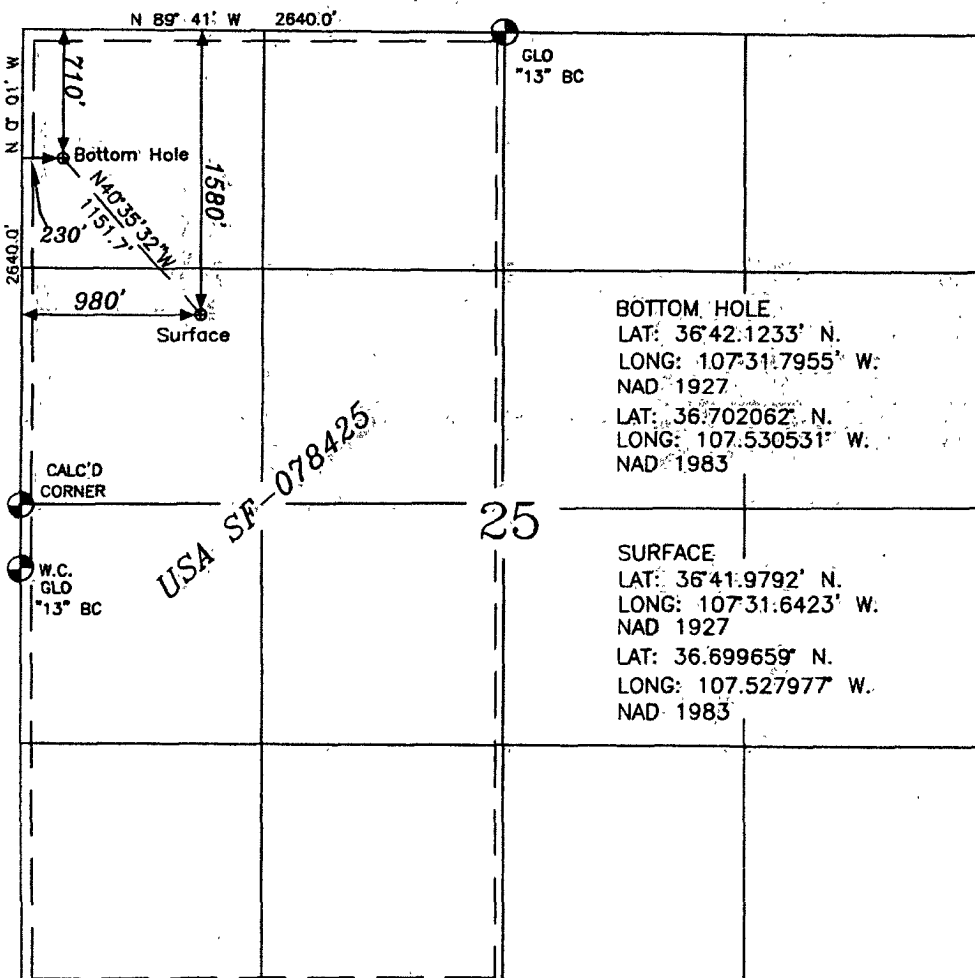
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	25	29-N	7-W		1580'	NORTH	980'	WEST	RIO ARRIBA

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
D	25	29-N	7-W		710'	NORTH	230'	WEST	RIO ARRIBA

¹² Dedicated Acres DK 320.0 ACRES W/2 MV 320.0 ACRES W/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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16 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. <i>Crystal Walker</i> 5/12/08 Signature Crystal Walker 5-12-08 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. 5-8-08 Date of Survey <i>Allen W. Russell</i> Signature and Seal of Professional Surveyor ALLEN W. RUSSELL NEW MEXICO 15703 LICENSED PROFESSIONAL SURVEYOR <i>Allen W. Russell</i> Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 29-7 UNIT 138M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8013				AFE \$: 1,640,981.52	
Field Name: SAN JUAN 29-7 UNIT		Rig: XXX Deferred Regulatory		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						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.699652	Longitude: -107.527371	X:	Y:	Section: 25		Range: 007W	
Footage X: 980 FWL	Footage Y: 1580 FNL	Elevation: 6735	(FT)	Township: 029N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.702055	Longitude: -107.529925	X:	Y:	Section: 25		Range: 007W	
Footage X: 230 FWL	Footage Y: 710 FNL	Elevation:	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2020		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6750		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	203	6547	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 170 cuft. Circulate cement to surface.	
OJO ALAMO	2675	4075	☐				
KIRTLAND	2805	3945	☐				
FRUITLAND	3123	3627	☐			Possible Gas	
PICTURED CLIFFS	3546	3204	☐				
LEWIS	3749	3001	☐				
Intermediate Casing	3849	2901	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 916 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4187	2563	☐				
CHACRA	4523	2227	☐				
MASSIVE CLIFF HOUSE	5209	1541	☐	600		Gas	
MENEFEE	5389	1361	☐				
POINT LOOKOUT	5729	1021	☐				
MANCOS	6212	538	☐				
UPPER GALLUP	6980	-230	☐				
GREENHORN	7715	-965	☐				
GRANEROS	7766	-1016	☐				
TWO WELLS	7814	-1064	☐	1400		Gas	
UPPER CUBERO	7923	-1173	☐				
LOWER CUBERO	7956	-1206	☐				
ENCINAL	8025	-1275	☐				
Total Depth	8026	-1276	☐			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 569 cuft. Circulate cement a minimum of 100' inside the previous casing string.	

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 29-7 UNIT 138M

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
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Est bottom perf ~20 above the est TD. Mud log from ~100' above the Greenhorn to 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 #138M
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6750.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 6750.0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #138M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,831.4	2,675.0	Ojo Alamo		0.00		
2,974.4	2,805.0	Kirtland		0.00		
3,323.7	3,123.0	Fruitland		0.00		
3,764.2	3,546.0	Pictured Cliffs		0.00		
3,968.4	3,749.0	Lewis		0.00		
4,406.4	4,187.0	Huerfanto Bentonite		0.00		
4,742.4	4,523.0	Chacra		0.00		
5,428.4	5,209.0	Massive Cliffhouse		0.00		
5,608.4	5,389.0	Menefee		0.00		
5,948.4	5,729.0	Pt. Lookout		0.00		
6,431.4	6,212.0	Mancos		0.00		
7,199.4	6,980.0	Gallup		0.00		
7,934.4	7,715.0	Greenhorn		0.00		
7,985.4	7,766.0	Graneros		0.00		
8,033.4	7,814.0	Two Wells		0.00		
8,142.4	7,923.0	Upper Cubero		0.00		
8,175.4	7,956.0	Lower Cubero		0.00		
8,244.4	8,025.0	Encinal		0.00		

REFERENCE INFORMATION

WELL @ 6750.0ft (Original Well Elev)
Ground Elevation 6735.0
Reference Lat: 36° 41' 58.752 N
Reference Long: 107° 31' 38.538 W

Project: San Juan Basin - New Mexico Wells

Site: San Juan 29 Wells

Well: SJ 29-7 #138M

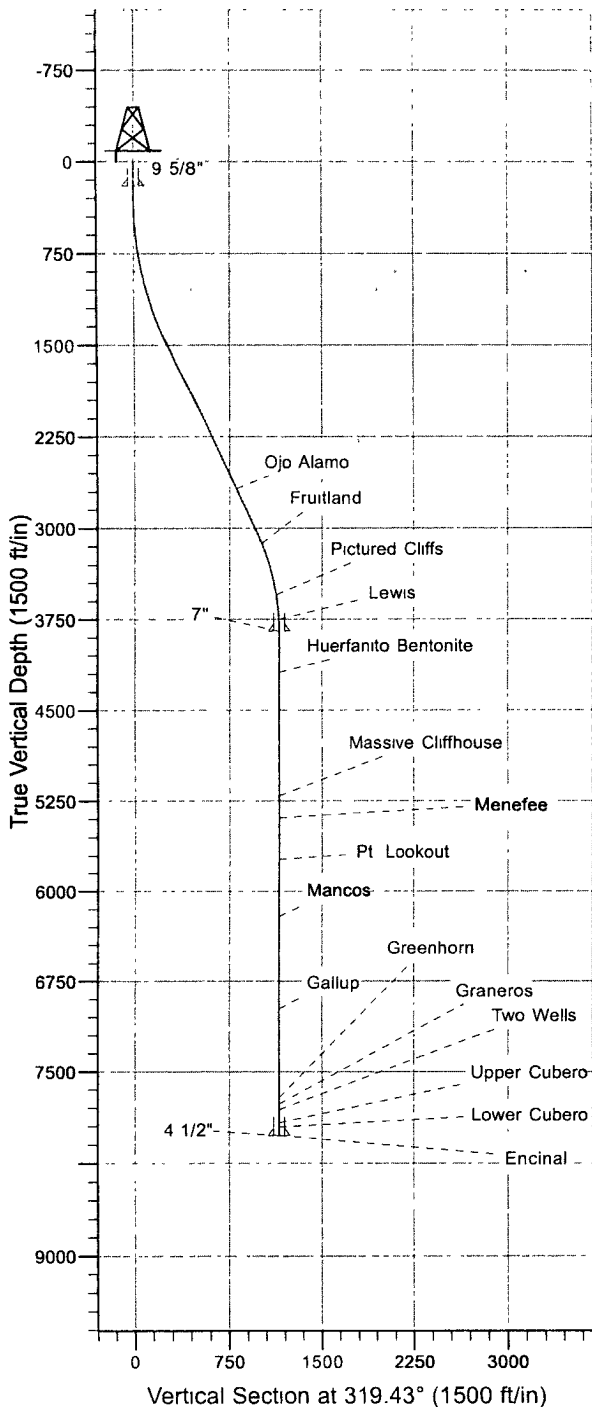
Wellbore: Principal Wellbore

Design: Plan #1

ConocoPhillips

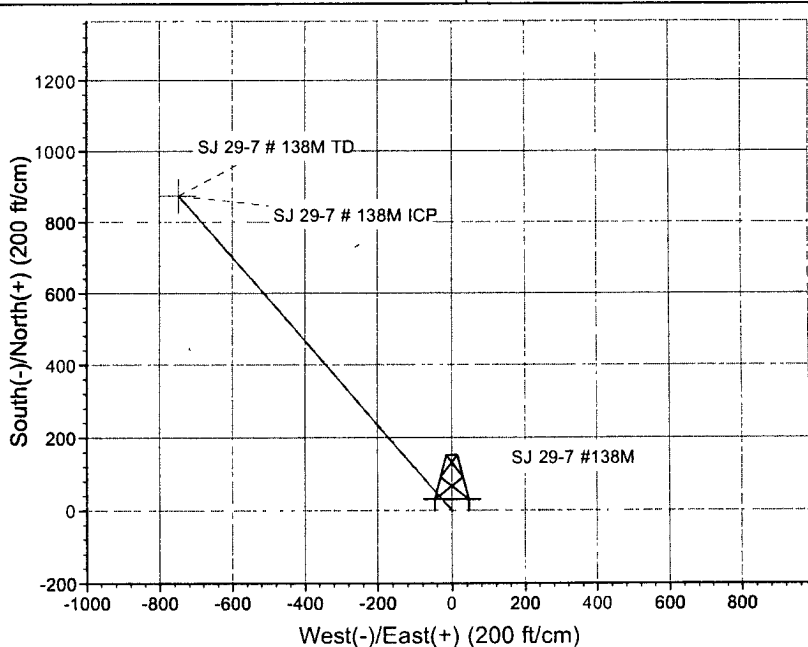
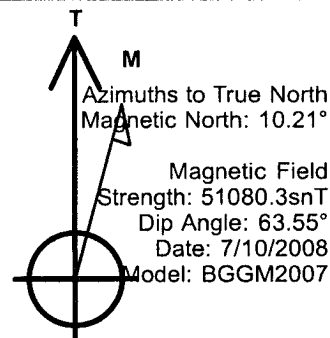
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	1534.3	24.69	319.43	1496.4	198.9	-170.3	2.00	319.43	261.8	
4	3245.6	24.69	319.43	3051.4	741.8	-635.1	0.00	0.00	976.5	
5	4068.4	0.00	0.00	3849.0	874.4	-748.6	3.00	180.00	1151.1	SJ 29-7 # 138M ICP
6	8245.4	0.00	0.00	8026.0	874.4	-748.6	0.00	0.00	1151.1	SJ 29-7 # 138M TD



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2675.0	2831.4	Ojo Alamo
2805.0	2974.4	Kirtland
3123.0	3323.7	Fruitland
3546.0	3764.2	Pictured Cliffs
3749.0	3968.4	Lewis
4187.0	4406.4	Huerfano Bentonite
4523.0	4742.4	Chacra
5209.0	5428.4	Massive Cliffhouse
5389.0	5608.4	Menefee
5729.0	5948.4	Pt. Lookout
6212.0	6431.4	Mancos
6980.0	7199.4	Gallup
7715.0	7934.4	Greenhorn
7766.0	7985.4	Graneros
7814.0	8033.4	Two Wells
7923.0	8142.4	Upper Cubero
7956.0	8175.4	Lower Cubero
8025.0	8244.4	Encinal



Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 29-7 UNIT 138M
1580' FNL & 980' FWL,
Section 25, T29N, R7W, N.M.P.M., Rio Arriba County,
New Mexico
Lat: 36° 41' 58.7" N
Long: 107° 31' 40.7" W
Nad 83

From the Post Office in Blanco, NM
Take Highway 64 East for 22.8 miles to 29-6 water well road,
Turn right (southerly) 1.9 miles,
Turn right (southwesterly) 1.3 miles to the top of Snake Hill,
Turn right (westerly) 2.8 miles along Ridge Road,
Turn right (northerly) 1.3 miles,
Turn left (westerly) 0.5 miles,
Continue (northerly) 1.0 miles,
Turn left (northwesterly) 0.3 miles,
Continue (westerly-southwesterly) 0.2 miles,
to the newly staked location.