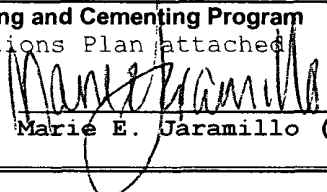


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

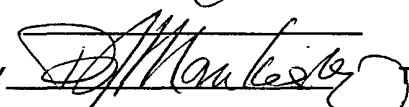
RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK JUN 11 2009

1a. Type of Work DRILL	5. Lease Number SF-080713-Bureau of Land Management Unit Reporting Number Farmington Field Office	
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 30-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD AUG 24 '09 9. Well Number 43M OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit F (SENW), 1360' FNL & 2020' FWL Bottomhole: Unit B (NWNE), 1100' FNL & 2175' FEL Surf: Latitude: 36.81611° N (NAD83) Longitude: 107.43432° W Bottomhole: Latitude: 36.81683° N (NAD83) Longitude: 107.43066° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 14, T30N, R6W API # 30-039-30776	
14. Distance in Miles from Nearest Town 15 miles/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 455'	17. Acres Assigned to Well MV/DK 320.0 (E/2)	
16. Acres in Lease 1,040.000	 H₂S POTENTIAL EXIST	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' from San Juan 30-6 Unit 42A (MV-DK)		
19. Proposed Depth 7671'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6159' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by:  Marie E. Jaramillo (Staff Regulatory Tech)	Date 6/10/09	

PERMIT NO.

APPROVAL DATE

APPROVED BY 

TITLE ATM

DATE 8/24/09

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

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".

Bond Numbers NMB-000015 and NMB-000089

Hold C104

for Directional Survey and "As Drilled" plat

NMCCB

AUG 31 2009 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

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 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
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30776	² Pool Code 72319 / 71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7469	⁵ Property Name SAN JUAN 30-6 UNIT	⁶ Well Number 43M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6159'

¹⁰ Surface Location

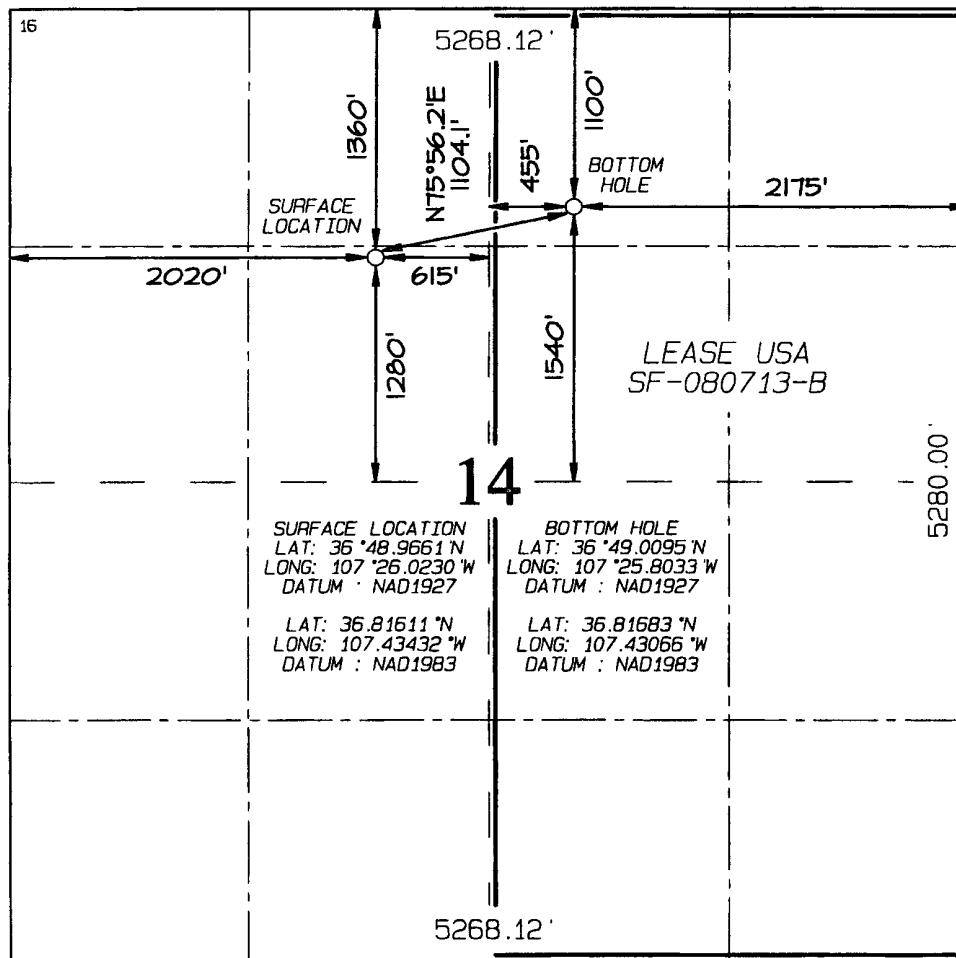
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	14	30N	6W		1360	NORTH	2020	WEST	RIO ARriba

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
B	14	30N	6W		1100	NORTH	2175	EAST	RIO ARriba

¹² Dedicated Acres	320.0 Acres - E/2 (MV)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No
	320.0 Acres - E/2 (DK)			

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.

Crystal Tafoya 2/16/09
Signature Date
Crystal Tafoya 2-16-09

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

Survey Date: JANUARY 22, 2009

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 43M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8530		AFE \$: 1,613,120.00							
Field Name: hBR_SAN JUAN 30-6 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA						
Geologist:		Phone:		Geophysicist:							
Geoscientist:		Phone:		Prod. Engineer:							
Res. Engineer:		Phone:		Proj. Field Lead:							
Primary Objective (Zones): <table border="1"> <tr> <th>Zone</th> <th>Zone Name</th> </tr> <tr> <td>RON</td> <td>BLANCO MESAVERDE (PRORATED GAS)</td> </tr> <tr> <td>FRR</td> <td>BASIN DAKOTA (PRORATED GAS)</td> </tr> </table>						Zone	Zone Name	RON	BLANCO MESAVERDE (PRORATED GAS)	FRR	BASIN DAKOTA (PRORATED GAS)
Zone	Zone Name										
RON	BLANCO MESAVERDE (PRORATED GAS)										
FRR	BASIN DAKOTA (PRORATED GAS)										
Location: Surface Datum Code: NAD 27 Directional											
Latitude: 36.816104	Longitude: -107.433716	X:	Y:	Section: 14	Range: 006W						
Footage X: 2020 FWL	Footage Y: 1360 FNL	Elevation: 6159	(FT)	Township: 030N							
Tolerance:											
Location: Bottom Hole Datum Code: NAD 27 Directional											
Latitude: 36.816824	Longitude: -107.430056	X:	Y:	Section: 14	Range: 006W						
Footage X: 2175 FEL	Footage Y: 1100 FNL	Elevation:	(FT)	Township: 030N							
Tolerance:											
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:							
				Date In Operation:							
Formation Data: Assume KB = 6174 Units = FT											
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT						
Surface Casing	203	5971	☐								
OJO ALAMO	2211	3963	☐								
KIRTLAND	2319	3855	☐								
FRUITLAND	2614	3560	☐		Possible Gas						
PICTURED CLIFFS	3081	3093	☐								
LEWIS	3199	2975	☐								
Intermediate Casing	3299	2875	☐								
HUERFANITO BENTONITE	3819	2355	☐								
CHACRA	4191	1983	☐								
MASSIVE CLIFF HOUSE	5014	1160	☐	480	Gas						
MENEFEE	5076	1098	☐								
POINT LOOKOUT	5324	850	☐								
MANCOS	5702	472	☐								
UPPER GALLUP	6626	-452	☐								
GREENHORN	7345	-1171	☐								
GRANEROS	7392	-1218	☐								
TWO WELLS	7505	-1331	☐	3425	Gas						
PAGUATE	7517	-1343	☐								
UPPER CUBERO	7528	-1354	☐								
LOWER CUBERO	7565	-1391	☐								
ENCINAL	7635	-1461	☐								

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 43M

DEVELOPMENT

Total Depth	7671	-1497	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55 & L-80, LTC casing. Cement w/ 595 cuft. Circulate cement a minimum of 100' inside the previous casing string.
-------------	------	-------	--------------------------	--

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 ~20' above the est TD. Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD.	

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

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJBU
 Project: San Juan Basin - New Mexico Wells
 Site: San Juan 30 Wells
 Well: SJ 30-6 #43M
 Wellbore: Wellbore #1
 Design: Plan #1

Local Co-ordinate Reference: Well SJ 30-6 #43M
 TVD Reference: RKB @ 6174 0ft (Original Well Elev)
 MD Reference: RKB @ 6174 0ft (Original Well Elev)
 North Reference: Gnd
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Greenhorn									
7,600.0	0.00	0.00	7,359.3	267.8	1,070.8	1,103.8	0.00	0.00	0.00
7,632.6	0.00	0.00	7,392.0	267.8	1,070.8	1,103.8	0.00	0.00	0.00
Graneros									
7,700.0	0.00	0.00	7,459.3	267.8	1,070.8	1,103.8	0.00	0.00	0.00
7,745.6	0.00	0.00	7,505.0	267.8	1,070.8	1,103.8	0.00	0.00	0.00
Two Wells									
7,757.6	0.00	0.00	7,517.0	267.8	1,070.8	1,103.8	0.00	0.00	0.00
Paguate									
7,768.6	0.00	0.00	7,528.0	267.8	1,070.8	1,103.8	0.00	0.00	0.00
Upper Cubero									
7,800.0	0.00	0.00	7,559.3	267.8	1,070.8	1,103.8	0.00	0.00	0.00
7,805.6	0.00	0.00	7,565.0	267.8	1,070.8	1,103.8	0.00	0.00	0.00
Lower Cubero									
7,875.6	0.00	0.00	7,635.0	267.8	1,070.8	1,103.8	0.00	0.00	0.00
Encinal									
7,900.0	0.00	0.00	7,659.3	267.8	1,070.8	1,103.8	0.00	0.00	0.00
7,911.6	0.00	0.00	7,671.0	267.8	1,070.8	1,103.8	0.00	0.00	0.00
Production - SJ 30-6 #43M PCP									

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
hit/miss target									
- Shape									
SJ 30-6 #43M ICP	0.00	0.00	3,299.0	267.8	1,070.8	2,116,832.93	618,045.57	36° 49' 0.570 N	107° 25' 48.198 W
- plan hits target									
- Circle (radius 50.0)									
SJ 30-6 #43M PCP	0.00	0.00	7,671.0	267.8	1,070.8	2,116,832.93	618,045.57	36° 49' 0.570 N	107° 25' 48.198 W
- plan hits target									
- Circle (radius 50.0)									
SJ 30-6 #43M WH	0.00	0.00	0.0	0.0	0.0	2,116,565.10	616,974.84	36° 48' 57.966 N	107° 26' 1.380 W
- plan misses by 100.0ft at 100.0ft MD (100.0 TVD, 0.0 N, 0.0 E)									
- Point									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
218.0	218.0	Surface	9-5/8	12-1/4
3,539.6	3,299.0	Intermediate	7	8-3/4
7,911.6	7,671.0	Production	4-1/2	6-1/4

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #43M
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Local Co-ordinate Reference: Well SJ 30-6 #43M
TVD Reference: RKB @ 6174.0ft (Original Well Elev)
MD Reference: RKB @ 6174.0ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,388.4	2,211.0	Ojo		0.00		
2,511.4	2,319.0	Kirtland		0.00		
2,839.0	2,614.0	Fruitland		0.00		
3,321.2	3,081.0	Pictured Cliffs		0.00		
3,439.6	3,199.0	Lewis		0.00		
4,059.6	3,819.0	Huerfano Bentonite		0.00		
4,431.6	4,191.0	Chacra		0.00		
5,254.6	5,014.0	Mass Cliffhouse		0.00		
5,316.6	5,076.0	Menefee		0.00		
5,564.6	5,324.0	Point Lookout		0.00		
5,942.6	5,702.0	Mancos		0.00		
6,866.6	6,626.0	Upper Gallup		0.00		
7,585.6	7,345.0	Greenhorn		0.00		
7,632.6	7,392.0	Graneros		0.00		
7,745.6	7,505.0	Two Wells		0.00		
7,757.6	7,517.0	Paguate		0.00		
7,768.6	7,528.0	Upper Cubero		0.00		
7,805.6	7,565.0	Lower Cubero		0.00		
7,875.6	7,635.0	Encinal		0.00		

Directions from the Intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM
to Burlington Resources Oil and Gas Company San Juan 30-6 Unit #43M
1360' FNL & 2020' FWL, Section 14, T30N, R6W, NMPM, Rio Arriba County, NM

Latitude : 36.81611°N Longitude : 107.43432°W Datum : NAD1983

From the intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM, travel Easterly on US Hwy 64 for 38.0 miles to State Hwy 527 (Simms Hwy);

Go left (North-westerly) on State Hwy 527 (Simms Hwy) for 7.9 miles to Rosa Road @ La Jara Station;

Go right (Northerly) on Rosa Road for 5.3 miles to fork in road;

Go right (North-easterly) exiting Rosa Road for 1.1 miles to staked location on right-hand side of existing roadway which overlaps an existing wellpad.