

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 26 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-078426	
1b. Type of Well GAS	6. If Indian, All. or Tribe Unit Reporting Number NMNM-78416A(M)	
2. Operator ConocoPhillips	7. Unit Agreement Name San Juan 29-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD MAR 9 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit H (SENE), 1515' FNL & 860' FEL BHL: Unit D (NWNW), 1200' FNL & 710' FWL Surf: Latitude: 36.699776 N Longitude: 107.516246 W BHL: Latitude: 36.700625 N Longitude: 107.510891 W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 25, T29N, R7W BHL: Sec. 30, T29N, R7W API # 30-039-30664	
14. Distance in Miles from Nearest Town 40.2 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 860'	17. Acres Assigned to Well 320.00 (W/2)	
16. Acres in Lease 1,840.00	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 72.4' from the San Juan 29-7 Unit 69 (MV)	22. Approx. Date Work will Start	
19. Proposed Depth 8075'	24. Authorized by: James Gardenhire (Regulatory Technician) 1-23-09 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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".

MAR 11 2010

Bond Numbers ES-0048 and ES-0085

NMOC

Hold C104

for Directional Survey and "As Drilled" plat

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

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

JAN 26 2009

Bureau of Land Management

Farmington Field Office

AMMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-300004	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 31326	⁵ Property Name SAN JUAN 29-6 UNIT	⁶ Well Number 5N
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6750

¹⁰ SURFACE LOCATION

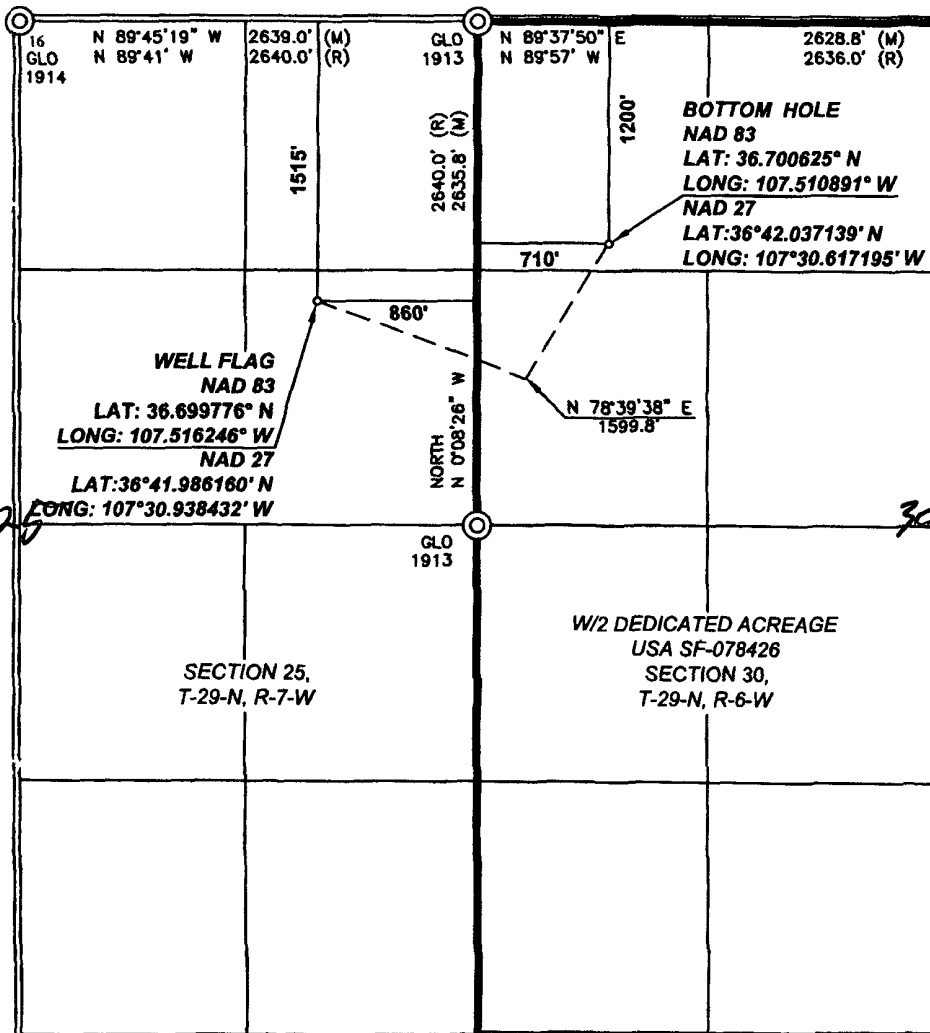
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	25	29-N	7-W		1515	NORTH	860	EAST	RIO ARRIBA

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	30	29-N	6-W		1200	NORTH	710	WEST	RIO ARRIBA

¹² Dedicated Acres 320.00 (w/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

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.

James Gardenhire
Signature

James Gardenhire
Printed Name

Regulatory Technician
Title and E-mail Address

01/23/09
Date

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: 6/13/08

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD07.MT		
SAN JUAN 29 - 6 # 5 N	DATE	8/7/2008
WELL NAME		
WELL NAME		

COORDINATES	SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
	H 25	29 N	7 W	36.699776 N	107.516246 W

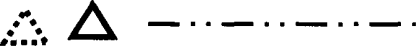
COUNTY	RIO ARRIBA
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	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
<u>RECTIFIER</u>					
<u>SOLAR</u>					
<u>GROUND BED</u>					
<u>240 V METER POLE</u>					
<u>480 V METER POLE</u>					
<u>D C CABLES</u>					
<u>A C CABLES</u>					
<u>PRIMARY POWER</u>					
<u>DISTANCE TO POWER</u>					
<u>UNDERGROUND</u>					
<u>PUMPJACK</u>					
<u>WATER PUMP</u>					

COMMENTS	

WELL NAME	SAN JUAN 29 - 6 # 5 N
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TANK 	SEP OR DEHY 	SOLAR 	METER POLE 	PUMP JACK 	GND/BED EXISTING CABLE 
RECT 	PIT 	WELL 	proposed solar/gb 	PROPOSED CABLE 	POWER LINE 
				FOREIGN PL 	CONOCO PL 

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-6 UNIT 5N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7504				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		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							
Latitude: 36.699769		Longitude: -107.515640		X:	Y:	Section: 25	Range: 007W
Footage X: 860 FEL		Footage Y: 1515 FNL		Elevation: 6750 (FT)		Township: 029N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.700618		Longitude: -107.510286		X:	Y:	Section: 30	Range: 006W
Footage X: 710 FWL		Footage Y: 1200 FNL		Elevation: (FT)		Township: 029N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6765 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	203	6562	☐			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	2731	4034	☐				
KIRTLAND	2869	3896	☐				
FRUITLAND	3202	3563	☐			Possible Gas	
PICTURED CLIFFS	3593	3172	☐				
LEWIS	3773	2992	☐				
HUERFANITO BENTONITE	4368	2397	☐				
CHACRA	4587	2178	☐				
Intermediate Casing	5200	1565	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1240 cuft. Circulate cement to surface.	
MASSIVE CLIFF HOUSE	5288	1477	☐	468		Gas	
MENEFEE	5462	1303	☐				
POINT LOOKOUT	5775	990	☐				
MANCOS	6238	527	☐				
UPPER GALLUP	7025	-260	☐				
GREENHORN	7757	-992	☐				
GRANEROS	7814	-1049	☐				
TWO WELLS	7863	-1098	☐	3350		Gas	
UPPER CUBERO	7971	-1206	☐				
LOWER CUBERO	8007	-1242	☐				
ENCINAL	8074	-1309	☐				
Total Depth	8075	-1310	☐			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 395cuft. Circulate cement a minimum of 100' inside the previous casing string.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-6 UNIT 5N

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.

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 29-6 #5N
Company:	ConocoPhillips SJBU	TVD Reference:	Genenc KB 15' @ 6765 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	Genenc KB 15' @ 6765 0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-6 #5N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,877.1	2,731.0	Ojo		0.00		
3,028.2	2,869.0	Kirtland		0.00		
3,393.0	3,202.0	Fruitland		0.00		
3,821.4	3,593.0	Pictured Cliffs		0.00		
4,018.5	3,773.0	Lewis		0.00		
4,661.2	4,368.0	Huerfano Bentonite		0.00		
4,887.5	4,587.0	Chacra		0.00		
5,593.3	5,288.0	Mass Cliffhouse		0.00		
5,767.3	5,462.0	Menefee		0.00		
6,080.3	5,775.0	Point Lookout		0.00		
6,543.3	6,238.0	Mancos		0.00		
7,330.3	7,025.0	Upper Gallup		0.00		
8,062.3	7,757.0	Greenhorn		0.00		
8,119.3	7,814.0	Graneros		0.00		
8,168.3	7,863.0	Two Wells		0.00		
8,276.3	7,971.0	Upper cubero		0.00		
8,312.3	8,007.0	Lower Cubero		0.00		
8,379.3	8,074.0	Encinal		0.00		

CONOCOPHILLIPS COMPANY

**SAN JUAN 29-6 UNIT #5N
1515' FNL, 860' FEL
SECTION 25, T-29-N, R-7-W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
NAD 83 LAT.: 36.699776°N LONG.: 107.516246°W
ELEV.: 6750 NAVD88
NO NEW ACCESS**

**DRIVING DIRECTIONS START FROM BLOOMFIELD, NEW MEXICO AT
THE INTERSECTION OF HWY. 550 AND HWY. 64. TRAVEL EAST ON
HWY. 64 FOR 31.7 MILES (MILE POST 96.3). TURN RIGHT ON C.R. 495
BY 29-6 WATER HOLE.**

- **GO 2.0 MILES SOUTHEAST ON C.R. 495. TURN RIGHT AT "PIG LAUNCHER" AND HEAD SOUTHWEST UP "SNAKE HILL."**
- **GO 1.3 MILES SOUTH UP "SNAKE HILL" ONTO "DEVILS SPRINGS MESA." TURN RIGHT ON "RIDGE ROAD."**
- **GO 2.8 MILES WEST ON "DEVILS SPRINGS MESA" (RIDGE ROAD) AND TURN RIGHT HEADING NORTH.**
- **GO 1.3 MILES NORTH TO WELL PAD. STAY LEFT AND CONTINUE NORTH WESTERLY.**
- **GO 1.1 MILES WEST AND NORTH INTO THE NORTHEAST PART OF SECTION 25, T-29-N, R-7-W. ENTER WELL LOCATION (CONOCOPHILLIPS SJ 29-7 UNIT #69) IN ROAD. NEW WELL IS TWINNED HERE, 15' NORTH AND 70' EAST OF #69 WELL HEAD.**