

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 27 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-078997 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name San Juan 30-5 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 Surface: Unit L(NWSW), 2045' FSL & 333' FWL Surface: Latitude: 36.825517° N (NAD 83) Longitude: 107.388555° W	9. Well Number 37N RCVD JUL 1 '09 OIL CONS. DIV. 10. Field, Pool, Wildcat Basin DK/Blanco MV DIST. 3 11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 8, T30N, R5W API # 30-039- 30768	
14. Distance in Miles from Nearest Town 56 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 333'	17. Acres Assigned to Well MV/DK 320.00 (W/2)	
16. Acres in Lease 2,560.00	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 610' from San Juan 30-5 Unit 26 (MV)	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	
19. Proposed Depth 7805'	21. Elevations (DF, FT, GR, Etc.) 6314' GR	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	
		Date <u>5/27/2009</u>

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 6/29/09

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 ES-0048 and ES-0085

JUL 09 2009

NOTIFY AZTEC OGD 24 HRS.

PRIOR TO CASING & CEMENT

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

NMOC

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

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

MAY 27 2009

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30768	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 31327	⁵ Property Name SAN JUAN 30-5 UNIT	⁶ Well Number 37N
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6314

¹⁰ SURFACE LOCATION

UL or lot no. L	Section 8	Township 30-N	Range 5-W	Lot Idn	Feet from the 2045	North/South line SOUTH	Feet from the 333	East/West line WEST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. L	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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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

¹⁶ GLO 1916 5282.5' (W) 5280.0' (R)			
W/2 DEDICATED ACREAGE USA SF-078997 SECTION 8, T-30-N, R-5-W			
333'	2045'	WELL FLAG NAD 83 LAT: 36.825517° N LONG: 107.388555° W NAD 27 LAT: 36°49.530665' N LONG: 107°23.277187' W	
N 0°14'13" W GLO 1916	EAST N 89°46'50" E	FEE	5280.0' (R) 5293.0' (M) GLO 1916

¹⁷ OPERATOR CERTIFICATION <i>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.</i> Signature Crystal Taroya Printed Name Regulatory Technician Title and E-mail Address March 25th, 2009 Date
¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey: 3/12/09 Signature and Seal of Professional Surveyor: Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 37N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8255		AFE \$: 1,390,222.72	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.825511	Longitude: -107.387952	X:	Y:	Section: 08	Range: 005W
Footage X: 333 FWL	Footage Y: 2045 FSL	Elevation: 6314	(FT)	Township: 030N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6328 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6128	<input type="checkbox"/>		
OJO ALAMO	2332	3996	<input type="checkbox"/>		
KIRTLAND	2499	3829	<input type="checkbox"/>		
FRUITLAND	2664	3664	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	3258	3070	<input type="checkbox"/>		
LEWIS	3368	2960	<input type="checkbox"/>		
Intermediate Casing	3468	2860	<input type="checkbox"/>		
HUERFANITO BENTONITE	4012	2316	<input type="checkbox"/>		
CHACRA	4380	1948	<input type="checkbox"/>		
UPPER CLIFF HOUSE	5078	1250	<input type="checkbox"/>		Gas; Est. Top Perf - 5080 (1248)
MASSIVE CLIFF HOUSE	5216	1112	<input type="checkbox"/>	364	Gas
MENEFEE	5248	1080	<input type="checkbox"/>		
POINT LOOKOUT	5494	834	<input type="checkbox"/>		
MANCOS	5896	432	<input type="checkbox"/>		
UPPER GALLUP	6772	-444	<input type="checkbox"/>		
GREENHORN	7498	-1170	<input type="checkbox"/>		
GRANEROS	7552	-1224	<input type="checkbox"/>		
TWO WELLS	7666	-1338	<input type="checkbox"/>	3187	Gas
PAGUATE	7681	-1353	<input type="checkbox"/>		
UPPER CUBERO	7683	-1355	<input type="checkbox"/>		
LOWER CUBERO	7728	-1400	<input type="checkbox"/>		Est. Btm Perf - 7785 (-1457) based on offset wells
ENCINAL	7805	-1477	<input type="checkbox"/>		TD - T/ENCN
Total Depth	7805	-1477	<input type="checkbox"/>		6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 635 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:					
Reference Type	Well Name	Comments			

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-5 UNIT 37N

DEVELOPMENT

Production	SJ 30-5 26-8	30N 5W 8 NW SW
Production	SJ 30-5 Unit 78M	30N 5W 7 NE SE
Production	SJ 30-5 Unit 37G	30N 5W 8 NW SW NW
Production	SJ 30-5 Unit 37	30N 5W 8 NE SW

Logging Program:

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

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

Cased Hole GR / CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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CONOCOPHILLIPS COMPANY

SAN JUAN 30-5 UNIT #37N

2045' FSL, 333' FWL

SECTION 8, T-30-N, R-5-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.825517°N LONG.: 107.388555°W

ELEV.: 6314 NAVD88

NEW ACCESS 134.4'

FROM BLOOMFIELD, N.M.:

- GO 37.7 MI. EAST ON HWY. 64 (MILE MARKER 102.3). TURN LEFT (NORTH) ON HWY. 527, AKA SIMMS MARINA ROAD.
- GO 8.0 MI. NORTH ON HWY. 527 (SIMMS MARINA ROAD). TURN RIGHT ONTO ROSA ROAD.
- GO 6.4 MI. ALONG ROSA ROAD, CROSSING LA JARA WASH, GO UPHILL TO BLM/FORREST SERVICE WARNING SIGN AT INTERSECTION.
- GO 1.5 MI. FROM BLM/FORREST SERVICE WARNING SIGN AT INTERSECTION, PAST WILLIAMS CDP TO "FOUR CROSSINGS" INTERSECTION IN THE NE/4 SEC. 1, T-30-N, R-6-W. TURN RIGHT (EAST).
- GO 2.7 MI. WINDING EAST AND SOUTH ON MAIN ROAD TO SHARP RIGHT BEND IN MAIN ROAD. STAY STRAIGHT AND TRAVEL 0.1 MI. TO FLAGGED ACCESS ROAD ON SOUTH SIDE OF ROAD.