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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 13 2011

-Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK and Management

1a. Type of Work
DRILL **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**

5. Lease Number
SF-080538
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

9. Well Number
8N
RCVD SEP 11 '12
OIL CONS. DIV.
DIST 3

4. Location of Well
Surface: Unit H (SENE), 2310' FNL & 792' FEL

Surface: Latitude: 36.828059° N (NAD83)
Longitude: 107.320404° W

10. Field, Pool, Wildcat
Blanco MV / Basin DK

11. Sec., Twn, Rge, Mer. (NMPM)
Sec. 11, T30N, R5W
API # 30-039- **31065**

14. Distance in Miles from Nearest Town
59.6 miles from Bloomfield, NM

12. County
Rio Arriba

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
792'

16. Acres in Lease
1886.39 acres

17. Acres Assigned to Well
320.00 acres MV/DK - E/2

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
71.5' from (COPC) SJ 30-5 Unit 8P (MV/DK)

19. Proposed Depth
8328'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6809' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: *Dollie L. Busse*
Dollie L. Busse (Staff Regulatory Tech)

Date: *May 17, 2011*

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY *[Signature]* TITLE *AFM* DATE *9/5/12*

Archaeological Report attached A gas recovery unit may or may not be used on this location.
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

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

SEP 18 2012 *ea*

NMOCD *NV*

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

NOTIFY AZTEC OCD 24 HRS PRIOR TO CASING & CEMENT

RECEIVED

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
Farmington Field Office
Bureau of Land Management
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31065		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 8N
⁷ OGRID No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY			⁹ Elevation 6809

¹⁰ SURFACE LOCATION

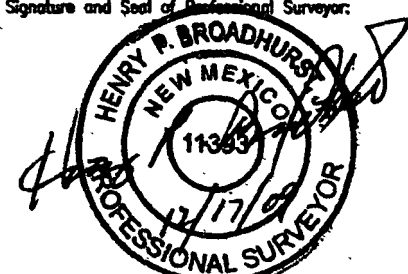
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	11	30-N	5-W		2310	NORTH	792	EAST	RIO ARRIBA

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
H									

¹² Dedicated Acres 320.00 (E/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 1918 N 89°53'22" W N 89°46' E	2310' 2840.0' (R) 2836.1' (M)	5269.1' (M) 5260.2' (R)	GLO 1918	¹⁷ OPERATOR CERTIFICATION	
				<p>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.</p> <p><i>Crystal Tafoya 2/12/10</i> Signature</p> <p>Crystal Tafoya Printed Name</p> <p>Regulatory Tech Title and E-mail Address</p> <p>February 12, 2010 Date</p>	
E/2 DEDICATED ACREAGE USA SF-080538 SECTION 11, T-30-N, R-5-W		792'		¹⁸ SURVEYOR CERTIFICATION	
BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.		WELL FLAG NAD 83 LAT: 36.828059° N LONG: 107.320404° W NAD 27 LAT: 36°49.683138' N LONG: 107°19.188249' W		<p>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.</p> <p>Date of Survey: 11/3/09 Signature and Seal of Professional Surveyor:</p> 	
				Certificate Number: NM 11393	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 8N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9318			AFE \$: 1,530,268.00	
Field Name: SAN JUAN		Rig: Aztec Rig 920		State: NM	County: SAN JUAN	
Geologist:		Phone:		Geophysicist:		Phone:
Geoscientist:		Phone:		Prod. Engineer:		Phone:
Res. Engineer:		Phone:		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 Straight Hole						
Latitude: 36.828052		Longitude: -107.319803		X:	Y:	Section: 11
Footage X: 792 FEL		Footage Y: 2310 FNL		Elevation: 6809 (FT)	Township: 030N	
Tolerance:						
Location Type: Restricted		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:
Formation Data: Assume KB = 6825 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6625		<input type="checkbox"/>		
12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.						
NACIMIENTO	1630	5195		<input type="checkbox"/>		
OJO ALAMO	2895	3930		<input type="checkbox"/>		
KIRTLAND	3105	3720		<input type="checkbox"/>		
FRUITLAND	3201	3624		<input type="checkbox"/>	552	Possible Gas
PICTURED CLIFFS	3766	3059		<input type="checkbox"/>		
LEWIS	3851	2974		<input type="checkbox"/>		
Intermediate Casing	3951	2874		<input type="checkbox"/>		
8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 890 cuft. Circulate cement to surface.						
HUERFANITO BENTONITE	4572	2253		<input type="checkbox"/>		
CHACRA	4937	1888		<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	5771	1054		<input type="checkbox"/>	526	Gas
MENEFEE	5827	998		<input type="checkbox"/>		
POINT LOOKOUT	6001	824		<input type="checkbox"/>		
MANCOS	6450	375		<input type="checkbox"/>		
UPPER GALLUP	7315	-490		<input type="checkbox"/>		
GREENHORN	8035	-1210		<input type="checkbox"/>		
GRANEROS	8081	-1256		<input type="checkbox"/>		
TWO WELLS	8194	-1369		<input type="checkbox"/>	3180	Gas
PAGUATE	8205	-1380		<input type="checkbox"/>		
UPPER CUBERO	8209	-1384		<input type="checkbox"/>		
LOWER CUBERO	8256	-1431		<input type="checkbox"/>		
Total Depth	8328	-1503		<input type="checkbox"/>		
6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 618 cuft. Circulate cement a minimum of 100' inside the previous casing string.						
ENCINAL	8328	-1503		<input type="checkbox"/>		
Reference Wells:						

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-5 UNIT 8N

DEVELOPMENT

Reference Type	Well Name	Comments
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Logging Program:

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

TD Logs: Triple Combo Dipmeter RFT Sonic VSP TDT Other

Mud log from ~100' above the Upper Gallup to TD. Mud loggers will call final TD.

Additional Information:

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

**SAN JUAN 30-5 UNIT #8N
2310' FNL, 792' FEL
SECTION 11, T-30-N, R-5-W, N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO
NAD 83 LAT.: 36.828059°N LONG.: 107.320404°W
ELEV.: 6809 NAVD88
NEW ACCESS 475.5'**

FROM BLOOMFIELD, NEW MEXICO:

- **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. TURN RIGHT (WESTERLY) AT BLM SIGN.**
- **GO 5.2 MI. CROSSING LA FRAGUA WASH STAYING ON MAIN ROAD HEADING EAST TOWARDS THE "DEAD COTTONWOOD BY STOCK POND" IN THE SOUTHEAST PART OF SECTION 16, T-30-N, R-5-W. TURN LEFT (NORTH).**
- **GO 0.15 MI. NORTH. TURN RIGHT JUST PAST THE "DEAD COTTONWOOD BY STOCK POND."**
- **GO 2.1 MI. NORTH CROSSING LOPEZ WASH AND CLIMBING UPHILL ONTO A SMALL MESA. CONTINUE NORTHERLY TO AN EXISTING BURROWING PIT AND A RIGHT HAIR PIN TURN.**
- **THE SJ 30-5 UNIT #8N IS ON THE SOUTH SIDE OF THIS ROAD.**