

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 02 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number NM-012332 Unit Reporting Number NMNM-78419A-MV	
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD MAR 18 '10	
2. Operator ConocoPhillips Company	7. Unit Agreement Name CONS. DIV. DIST. 3 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 100M	
4. Location of Well Unit D(NWNW), 660' FNL & 780' FWL Latitude: 36.774590° N (NAD83) Longitude: 107.351095° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) D Sec. 34, T30N, R5W API # 30-039-30943	
14. Distance in Miles from Nearest Town 61 miles / Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 660'	17. Acres Assigned to Well 320.00 N/2-DK & 320.00 W/2-MV	
16. Acres in Lease 1,280.00		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1943' from San Juan 30-5 Unit 232 (FC)		
19. Proposed Depth 8298' <small>This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4</small>	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6862' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>3/1/2010</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 3/18/2010

NOTIFY AGENCY 24 HRS.
PRIOR TO CASING & CEMENT

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 any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction. NOT RELIEVE THE LESSEE AND

Example Master Plan Type 3

Bond Numbers ES-0048 and ES-0085

APPROVAL OR ACCEPTANCE OF THIS
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS

MAR 19 2010

NMOCD

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

MAR 02 2010

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 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- 30443	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 31327	⁵ Property Name SAN JUAN 30-5 UNIT	
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	
		⁶ Well Number 100M
		⁹ Elevation 6862

¹⁰ SURFACE LOCATION

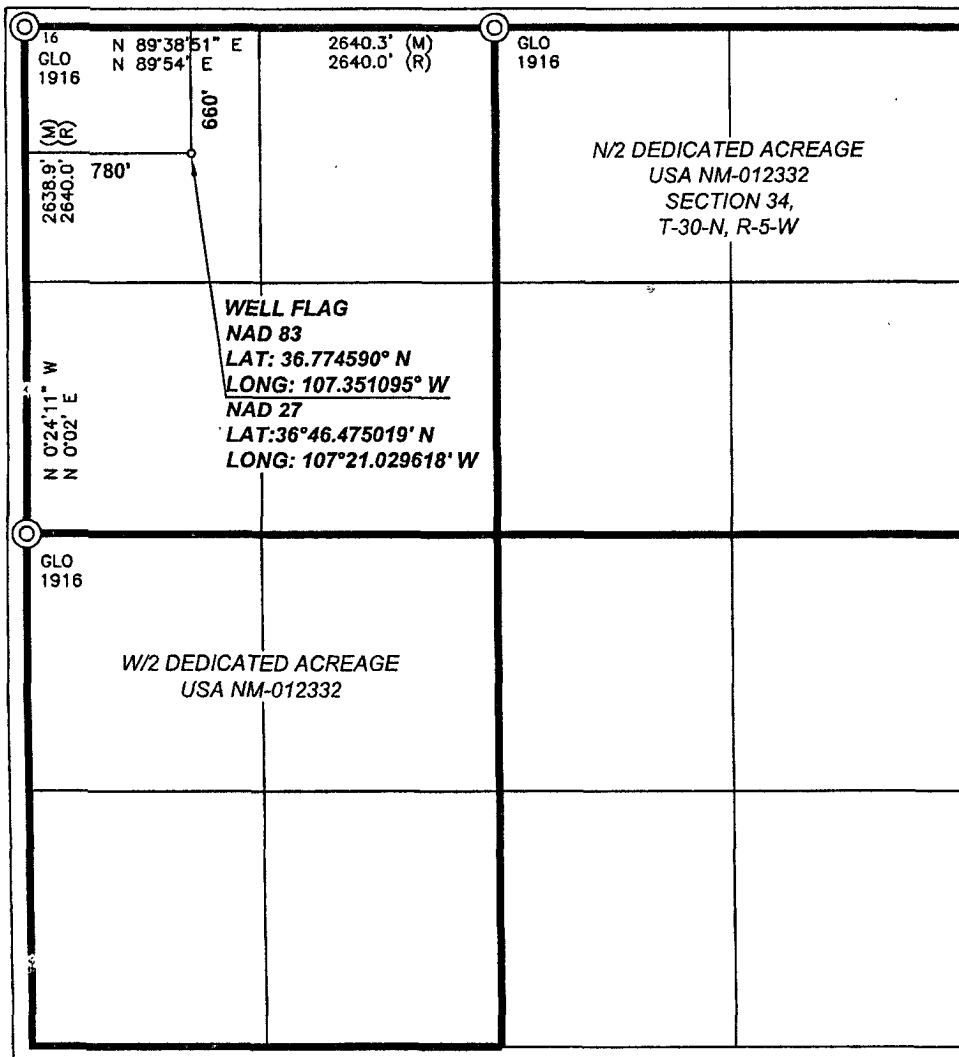
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	34	30-N	5-W		660	NORTH	780	WEST	RIO ARRIBA

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									

¹² Dedicated Acres 320 N/2 DK 320 W/2 MV	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.

Crystal Tafoya 2/26/10
Signature

Crystal Tafoya
Printed Name

Regulatory Technician
Title and E-mail Address

February 26th, 2010
Date

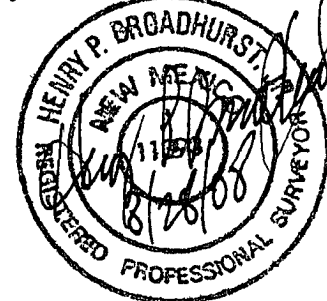
Date

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: 8/7/08

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 100M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8272		AFE \$: 1,366,308.49	
Field Name: SAN JUAN		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Johnson, David		Phone: +1 505-324-6169		Prod. Engineer:	
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		Straight Hole	
Latitude: 36.774583	Longitude: -107.350493	X:	Y:	Section: 34	Range: 005W
Footage X: 780 FWL		Footage Y: 660 FNL		Elevation: 6862 (FT)	Township: 030N
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2011	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6874	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6674	<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.
OJO ALAMO	3027	3847	<input type="checkbox"/>			
KIRTLAND	3138	3736	<input type="checkbox"/>			
FRUITLAND	3207	3667	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3804	3070	<input type="checkbox"/>			
LEWIS	3901	2973	<input type="checkbox"/>			
Intermediate Casing	4001	2873	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 902 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4580	2294	<input type="checkbox"/>			
CHACRA	4877	1997	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5733	1141	<input type="checkbox"/>	840		Gas
MENEFEE	5782	1092	<input type="checkbox"/>			
POINT LOOKOUT	5995	879	<input type="checkbox"/>			
MANCOS	6412	462	<input type="checkbox"/>			
UPPER GALLUP	7246	-372	<input type="checkbox"/>			
GREENHORN	7984	-1110	<input type="checkbox"/>			
GRANEROS	8039	-1165	<input type="checkbox"/>			
TWO WELLS	8167	-1293	<input type="checkbox"/>	3413		Gas
UPPER CUBERO	8178	-1304	<input type="checkbox"/>			
LOWER CUBERO	8210	-1336	<input type="checkbox"/>			
ENCINAL	8278	-1404	<input type="checkbox"/>			
Total Depth	8298	-1424	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 585 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 100M

DEVELOPMENT

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.

Additional Information:

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

SAN JUAN 30-5 UNIT #100M

660' FNL, 780' FWL

SECTION 34, T-30-N, R-5-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.774590°N LONG.: 107.351095°W

ELEV.: 6862 NAVD88

NEW ACCESS 168.4'

FROM BLOOMFIELD, N.M.:

- GO 50.1 MILES EAST TO MILE POST 114.4 ON HWY. 64 TOWARD DULCE, N.M. TURN LEFT AT F.R. #310.
- GO 3.8 MILES NORTH ON F.R. #310. TURN LEFT (SOUTH) ON F.R. #312. (TO MESTENAS MESA)
- GO 1.8 MILES SOUTHWESTERLY ALONG MESTENAS MESA. TURN RIGHT (WEST).
- GO 0.4 MILES WEST. TURN LEFT AT FORK IN ROAD.
- GO 2.2 MILES WESTERLY ALONG MESTENAS MESA GOING DOWN STEEP GRADE OFF OF MESA. CONTINUE WEST FROM ROAD INTERSECTION. (NOTE: TAKING THE RIGHT TURN AT THIS INTERSECTION WILL TAKE YOU INTO MANUEL CANYON AND ESPINOSA RANCH. THIS ROAD MAY BE CLOSED AND IS STEEP WITH HAIR PIN CURVES)
- GO 0.9 MILE WEST FROM INTERSECTION. TURN RIGHT (NORTH).
- GO 0.4 MILE NORTH. TURN LEFT (SOUTHWEST).
- GO 0.3 MILE SOUTHWEST. TURN RIGHT (NORTHWEST).
- GO 1.0 MILE NORTHWEST, TURNING SOUTHWEST. BEGIN ACCESS ON RIGHT (WEST) SIDE OF ROAD.