

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 19 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 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	
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 Unit F (SENW), 1975' FNL & 1945' FWL Latitude: 36.770988° N (NAD 83) Longitude: 107.347112° W	9. Well Number 100N 10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 34, T30N, R5W API # 30-039- 30710	
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 1945'	17. Acres Assigned to Well 320.00 - N/2 (DK) & 320.0 - W/2 (MV)	
16. Acres in Lease 1,280.00		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1076' from SJ 30-5 Unit 102 (DK)		
19. Proposed Depth 8361'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6882' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	ACCEPTANCE OF THIS I, THE LESSEE AND CONTAINING ANY OTHER WORKED FOR OPERATIONS INDIAN LANDS	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	3/16/2009 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE Acting AFM DATE 3/25/09

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

NMOC

APR 01 2009

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

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

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

RECEIVED

MAR 16 2009

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 30-039-30710	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 100N
⁷ OGRID No 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6882

¹⁰ SURFACE LOCATION

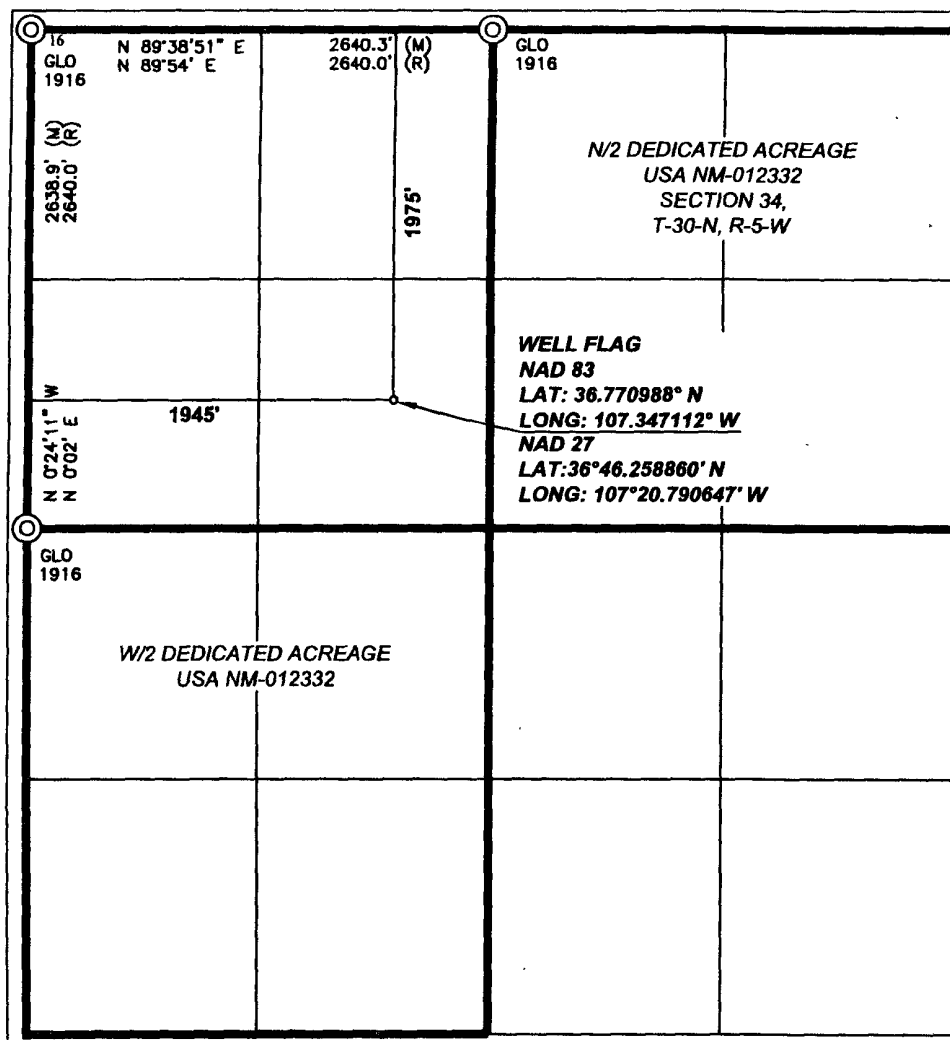
UL or lot no. F	Section 34	Township 30-N	Range 5-W	Lot Idn	Feet from the 1975	North/South line NORTH	Feet from the 1945	East/West line WEST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. F	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 320.0 N/2 DK 320.0 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.

James Gardenhire
Signature

James Gardenhire

Printed Name

Regulatory Technician

Title and E-mail Address

9/29/08

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: 8/8/08

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 100N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8273				AFE \$: 1,446,879.64	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.770981		Longitude: -107.346510		X:	Y:	Section: 34	Range: 005W
Footage X: 1945 FWL		Footage Y: 1975 FNL		Elevation: 6882 (FT)		Township: 030N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6898 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6698	<input type="checkbox"/>			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	3031	3867	<input type="checkbox"/>				
KIRTLAND	3161	3737	<input type="checkbox"/>				
FRUITLAND	3220	3678	<input type="checkbox"/>			Possible Gas	
PICTURED CLIFFS	3644	3254	<input type="checkbox"/>				
LEWIS	3984	2914	<input type="checkbox"/>				
Intermediate Casing	4134	2764	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, LTC Casing. Cement with 932 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4604	2294	<input type="checkbox"/>				
CHACRA	4900	1998	<input type="checkbox"/>			Est. Top Perf - 4902 (1998)	
UPPER CLIFF HOUSE	5480	1418	<input type="checkbox"/>			Gas	
MASSIVE CLIFF HOUSE	5750	1148	<input type="checkbox"/>	922		Gas	
MENELEE	5802	1096	<input type="checkbox"/>				
POINT LOOKOUT	6023	875	<input type="checkbox"/>				
MANCOS	6434	464	<input type="checkbox"/>				
UPPER GALLUP	7278	-380	<input type="checkbox"/>				
GREENHORN	8016	-1118	<input type="checkbox"/>				
GRANEROS	8070	-1172	<input type="checkbox"/>				
TWO WELLS	8196	-1298	<input type="checkbox"/>	3450		Gas	
PAGUATE	8200	-1302	<input type="checkbox"/>				
UPPER CUBERO	8209	-1311	<input type="checkbox"/>				
LOWER CUBERO	8240	-1342	<input type="checkbox"/>			Est. Btm Perf - 8265 (-1367) based on offset wells	
ENCINAL	8311	-1413	<input type="checkbox"/>			TD - 50' Below T/ENCN	
Total Depth	8361	-1463	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 619 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 Business Unit

SAN JUAN 30-5 UNIT 100N

DEVELOPMENT

Production	SJ 30-5 100	30N-5W34 SW NE NE
Production	SJ 30-5 99	30N-5W33 SW NE NE
Production	SJ 30-5 102	30N-5W34 SE NE SW

Logging Program:

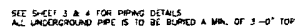
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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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SHEET 1 OF 5

[illegible]

Address: S:\gs\RD\coul\Andrea\Regulatory\1\er Locator Site Layout.dwg, 06/28/2007 - 02:39pm

SAN JUAN BUSINESS UNIT

CONOCOPHILLIPS COMPANY

**SAN JUAN 30-5 UNIT #100N
1975' FNL, 1945' FWL
SECTION 34, T-30-N, R-5-W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
NAD 83 LAT.: 36.770988°N LONG.: 107.347112°W
ELEV.: 6882 NAVD88
NEW ACCESS 144.7'**

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 0.5 MILE NORTHWEST. TURN LEFT (SOUTH).
- GO 0.2 MILE SOUTH. BEGIN ACCESS ON RIGHT (WEST) SIDE OF ROAD.