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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 09 2009

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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	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 72M
4. Location of Well Unit P (SESE), 200' FSL & 630' FEL, Latitude: 36.820565 N Longitude: 107.337868 W	10. Field, Pool, Wildcat Basin Dakota Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) p Sec. 10, T30N, R5W API # 30-039-30644
14. Distance in Miles from Nearest Town 59.3 miles/Blomfield	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 200'	
16. Acres in Lease 2,560.00	17. Acres Assigned to Well DK 320.00 (S/2) MV 320.00 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1161' from the San Juan 30-5 Unit 72E (DK)	
19. Proposed Depth 7972' <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.) 6477' 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>Patsy Clugston</u> Patsy Clugston (Sr. Regulatory Specialist)	<u>1/9/09</u> Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 1/22/09

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

JAN 29 2009

AV

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

RECD JAN 27 09
BLM CON. DIV.
JST:3

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

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number 30-039-30044	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 72M
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6477

¹⁰ SURFACE LOCATION

UL or lot no. P	Section 10	Township 30-N	Range 5-W	Lot Idn	Feet from the 200	North/South line SOUTH	Feet from the 630	East/West line EAST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. P	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres DK 320.0 S/2 MV 320.0 E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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 	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. Signature James Gardenhire Printed Name Regulatory Technician Title and E-mail Address 10/03/08 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: 7/23/08 Signature and Seal of Professional Surveyor: Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 72M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8228		AFE \$:	
Field Name: 30-5		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
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: 36.820558	Longitude: -107.337267	X:	Y:	Section: 10	Range: 005W
Footage X: 630 FEL		Footage Y: 200 FSL		Elevation: 6477 (FT)	Township: 030N
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6492	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	6292	<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	2536	3956	<input type="checkbox"/>			
KIRTLAND	2652	3840	<input type="checkbox"/>			
FRUITLAND	2828	3664	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3424	3068	<input type="checkbox"/>			
LEWIS	3510	2982	<input type="checkbox"/>			
Intermediate Casing	3610	2882	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, LTC Casing. Cement with 813 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4196	2296	<input type="checkbox"/>			
CHACRA	4550	1942	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5394	1098	<input type="checkbox"/>	324		Gas
MENEFEE	5426	1066	<input type="checkbox"/>			
POINT LOOKOUT	5620	872	<input type="checkbox"/>			
MANCOS	6048	444	<input type="checkbox"/>			
UPPER GALLUP	6926	-434	<input type="checkbox"/>			
GREENHORN	7638	-1146	<input type="checkbox"/>			
GRANEROS	7690	-1198	<input type="checkbox"/>			
UPPER CUBERO	7824	-1332	<input type="checkbox"/>	2686		Gas
LOWER CUBERO	7870	-1378	<input type="checkbox"/>			
ENCINAL	7942	-1450	<input type="checkbox"/>			TD 30' into Encinal with est bottom perf 15' off bottom if Encinal completed
Total Depth	7972	-1480	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 593 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	30-5 113	section 11 30-5
Production	30-5 76	section 15 30-5
Production	30-5 72E	section 10 30-5

PROJECT PROPOSAL - New Drill / Sidetrack**SAN JUAN 30-5 UNIT 72M****DEVELOPMENT****Logging Program:**Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple ComboTD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Mud logger from 100' Above Greenhorn to TD. No OH logs.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MV/DKNM030N005W10SE2 Avoid O, prefer I,P,J, topo could be a challenge, no vertical twin options. eap
6-17-08

Zones - MV/DKNM030N005W10SE2

General/Work Description - NO LEWIS

CONOCOPHILLIPS COMPANY

SAN JUAN 30-5 UNIT #72M

200' FSL, 630' FEL

SECTION 10, T-30-N, R-5-W, N.M.P.M.,

RIO ARRIBA COUNTY, NEW MEXICO

NAD 83 LAT.: 36.820565°N LONG.: 107.337868°W

ELEV.: 6477 NAVD88

NEW ACCESS 65.7'

FROM BLOOMFIELD, N.M.:

- GO 37.7 MILES EAST ON HWY. 64 (MILE MARKER 102.3) TURN LEFT (NORTH) ON HWY. 527, AKA SIMMS MARINA ROAD.
- GO 8.0 MILES NORTH ON HWY. 527. TURN RIGHT ONTO ROSA ROAD.
- GO 6.4 MILES ALONG ROSA ROAD, CROSSING LA JARA WASH. TURN RIGHT (EASTERLY) AT FOREST SERVICE WARNING SIGN.
- GO 5.2 MILES, CROSSING LA FRAGUA WASH, STAYING ON MAIN ROAD HEADING EAST TOWARD "DEAD COTTONWOOD BY STOCK POND" IN THE SOUTHEAST PART OF SECTION 16, T-30-N, R-5-W AND TURN LEFT.
- GO 0.15 MILES NORTH, TURN RIGHT JUST PAST THE "DEAD COTTONWOOD BY STOCK POND."
- GO 1.7 MILES NORTH AND EAST INTO LOPEZ CANYON. TURN LEFT (NORTH) ONTO ACCESS TO COPC SJ 30-5 UNIT #72E.
- GO 0.15 MILES NORTH AND BEGIN NEW 65.7' ACCESS PAST CATTLE GUARD ON RIGHT SIDE OF ROAD.