

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 02 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-078739 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips	7. Unit Agreement Name <small>CONNS. DIV.</small> 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 96M	
4. Location of Well Surf: Unit E (SWNW), 2235' FNL & 175' FWL BHL: Unit E (SWNW), 1700' FNL & 710' FWL Surf: Latitude: 36.784746 N Longitude: 107.371085 W BHL: Latitude: 36.786222 N Longitude: 107.369256 W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) E Surf: Sec. 28, T30N, R5W BHL: Sec. 28, T30N, R5W API # 30-039- 30695	
14. Distance in Miles from Nearest Town 57.4 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 175'	17. Acres Assigned to Well DK/MV-320.00 (W/2)	
16. Acres in Lease 2,320.000	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 57.4' from the San Juan 30-5 Unit 96N (DK/MV)	
19. Proposed Depth 8333' <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.) 6874' GL	22. Approx. Date Work will Start <small>DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".</small>	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>James Gardenhire</u> James Gardenhire (Regulatory Technician)	
		3-2-09 Date

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY [Signature]

TITLE Acting AFM

DATE 3/11/09

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

Hold C104

for Directional Survey
and "As Drilled" plat

NMOCD 6

MAR 19 2009

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

MAR 02 2003

☐ AMENDED REPORT
Bureau of Land Management
Forsyth Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-36095	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 96M
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6874

¹⁰ SURFACE LOCATION


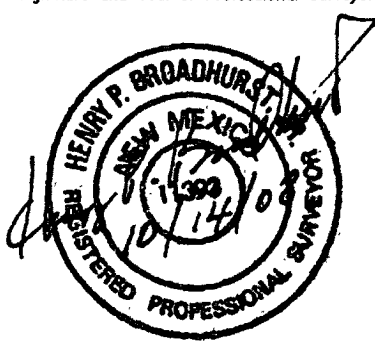
UL or lot no. E	Section 28	Township 30-N	Range 5-W	Lot Idn	Feet from the 2235	North/South line NORTH	Feet from the 175	East/West line WEST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. E	Section 28	Township 30-N	Range 5-W	Lot Idn	Feet from the 1700	North/South line NORTH	Feet from the 710	East/West line WEST	County RIO ARRIBA
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¹² Dedicated Acres 320.0 (W1/2)	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 2643.9' (M) 2640.0' (R) 2235' 1700' 710' 175' N 89°33'46" E N 89°49' E N 0°00'15" E N 0°01' E N 44°36'54" E 758.9'	BOTTOM HOLE NAD 83 LAT: 36.786222° N LONG: 107.369256° W NAD 27 LAT: 36°47.172955' N LONG: 107°22.119252' W	5240.0' (M) 5260.2' (R) 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 James Gardenhire Printed Name Regulatory Technician Title and E-mail Address 12/23/08 Date
¹⁸ GLO 1916 W/2 DEDICATED ACREAGE USA SF-078739 SECTION 28, T-30-N, R-5-W	WELL FLAG NAD 83 LAT: 36.784746° N LONG: 107.371085° W NAD 27 LAT: 36°47.084351' N LONG: 107°22.228996' W		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: 7/22/08 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 96M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8240				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		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: 36.784739	Longitude: -107.370483	X:	Y:	Section: 28		Range: 005W	
Footage X: 175 FWL	Footage Y: 2235 FNL	Elevation: 6874	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.786215	Longitude: -107.368654	X:	Y:	Section: 28		Range: 005W	
Footage X: 710 FWL	Footage Y: 1700 FNL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6889		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6689	<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	3034	3855	<input type="checkbox"/>				
KIRTLAND	3134	3755	<input type="checkbox"/>				
FRUITLAND	3239	3650	<input type="checkbox"/>			Possible Gas	
PICTURED CLIFFS	3834	3055	<input type="checkbox"/>				
LEWIS	3917	2972	<input type="checkbox"/>				
Intermediate Casing	4017	2872	<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 933 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4579	2310	<input type="checkbox"/>				
CHACRA	4894	1995	<input type="checkbox"/>				
MASSIVE CLIFF HOUSE	5737	1152	<input type="checkbox"/>	510		Gas	
MENEFEE	5774	1115	<input type="checkbox"/>				
POINT LOOKOUT	6024	865	<input type="checkbox"/>				
MANCOS	6437	452	<input type="checkbox"/>				
UPPER GALLUP	7295	-406	<input type="checkbox"/>				
GREENHORN	8015	-1126	<input type="checkbox"/>				
GRANEROS	8059	-1170	<input type="checkbox"/>				
TWO WELLS	8170	-1281	<input type="checkbox"/>	3155		Gas	
UPPER CUBERO	8186	-1297	<input type="checkbox"/>				
LOWER CUBERO	8227	-1338	<input type="checkbox"/>				
ENCINAL	8297	-1408	<input type="checkbox"/>				
Total Depth	8333	-1444	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 587 cuft. Circulate cement a minimum of 100' inside the previous casing string.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 96M

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

Logging Program:	
Intermediate Logs:	<input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT <input checked="" type="checkbox"/> Other
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Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD. Est bottom perf ~20' above the est TD.

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM-Central-Planning	Local Co-ordinate Reference:	Well SJ 30-5 #96M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6885.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6885.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	Grid
Well:	SJ 30-5 #96M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
		Formation 20				
3,119.4	3,034.0	Ojo		0.00		
3,227.1	3,134.0	Kirtland		0.00		
3,340.2	3,239.0	Fruitland		0.00		
3,957.6	3,834.0	Pictured Cliffs		0.00		
4,040.9	3,917.0	Lewis		0.00		
4,702.9	4,579.0	Huerfano Bentonite		0.00		
5,017.9	4,894.0	Chacra		0.00		
5,860.9	5,737.0	Mass Cliffhouse		0.00		
5,897.9	5,774.0	Menefee		0.00		
6,147.9	6,024.0	Point Lookout		0.00		
6,560.9	6,437.0	Mancos		0.00		
7,418.9	7,295.0	Upper Gallup		0.00		
8,138.9	8,015.0	Greenhorn		0.00		
8,182.9	8,059.0	Graneros		0.00		
8,293.9	8,170.0	Two Wells		0.00		
8,309.9	8,186.0	Cubero		0.00		
8,350.9	8,227.0	Lower Cubero		0.00		
8,420.9	8,297.0	Encinal		0.00		

CONOCOPHILLIPS COMPANY

SAN JUAN 30-5 UNIT #96M

2235' FNL, 175' FWL

SECTION 28, T-30-N, R-5-W, N.M.P.M.,

RIO ARRIBA COUNTY, NEW MEXICO

NAD 83 LAT.: 36.784746°N LONG.: 107.371085°W

GROUND ELEV.: 6874 FIN. ELEV.: 6870 NAVD88

NEW ACCESS 483.1'

FROM BLOOMFIELD, NEW MEXICO:

- **GO 37.7 MILES EAST ON HWY. 64 (MILE MARKER 102.3) AND 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 (BY-PASS OLD BRIDGE). GO UP STEEP HILL AND TURN RIGHT (EAST) AT BLM SIGN.**
- **GO 4.4 MILES EASTERLY, CROSS LA FRAGUA WASH, STAYING ON MAIN ROAD AND TURN RIGHT (SOUTH).**
- **GO 0.7 MILES SOUTH, UPHILL, AND TURN RIGHT (WEST) AT TOP OF HILL.**
- **GO 0.15 MILES WEST. BEGIN ACCESS ON RIGHT (NORTH) SIDE OF ROAD.**