

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

MAR 10 2009

1a. Type of Work DRILL	5. Lease Number SF-078740 Unit Reporting Number	Bureau of Land Management Farmington Field Office
1b. Type of Well GAS	6. If Indian, All. or Tribe	RCVD MAR 20 '09
2. Operator ConocoPhillips	7. Unit Agreement Name San Juan 30-5 Unit	OIL CONS. DIV. DIST. 8
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 D (NWNW), 690' FNL & 665' FWL,  Latitude: 36.788981 N Longitude: 107.387412 W	9. Well Number 97M	10. Field, Pool, Wildcat Basin DK/Blanco MV
	11. Sec., Twn, Rge, Mer. (NMPM) D Sec. 29, T30N, R5W API # 30-039- 30708	
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 665'		
16. Acres in Lease 2,560.000	17. Acres Assigned to Well DK 320 (N/2) MV 320 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52.3' from San Juan 30-5 Unit 114 (PC)		
19. Proposed Depth 7708' <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.) 6269' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
24. Authorized by: <u>James Gardenhire</u> James Gardenhire (Regulatory Technician)	3-10-09 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

APR 01 2009

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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office  
State Lease - 7 Copies  
Fee Lease - 3 Copies

MAR 10 2009

☐ AMENDED REPORT

Bureau of Land Management  
Alamogordo Field Office

## WELL LOCATION AND ACREAGE DEDICATION

<sup>1</sup> API Number <b>30-039-30708</b>		<sup>2</sup> Pool Code <b>71599 / 72319</b>		<sup>3</sup> Pool Name <b>BASIN DAKOTA / BLANCO MESAVERDE</b>	
<sup>4</sup> Property Code <b>31327</b>		<sup>5</sup> Property Name <b>SAN JUAN 30-5 UNIT</b>			<sup>6</sup> Well Number <b>97M</b>
<sup>7</sup> OGRID No <b>217817</b>		<sup>8</sup> Operator Name <b>CONOCOPHILLIPS COMPANY</b>			<sup>9</sup> Elevation <b>6269</b>

<sup>10</sup> SURFACE LOCATION

UL or lot no. <b>D</b>	Section <b>29</b>	Township <b>30-N</b>	Range <b>5-W</b>	Lot Idn	Feet from the <b>690</b>	North/South line <b>NORTH</b>	Feet from the <b>665</b>	East/West line <b>WEST</b>	County <b>RIO ARRIBA</b>
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. <b>D</b>	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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<sup>12</sup> Dedicated Acres <b>320.0 (DK-N/2) 320.0 (MV-W/2)</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> GLO 1916 N 89°41'03" E N 89°55' E 665' 2640.2' (N) 2640.0' (R) N 0°12'22" W N 0°01' E GLO 1916	<b>WELL FLAG</b> <b>NAD 83</b> <b>LAT: 36.788981° N</b> <b>LONG: 107.387412° W</b> <b>NAD 27</b> <b>LAT: 36°47.338502' N</b> <b>LONG: 107°23.208576' W</b>	5279.5' (M) 5266.8' (R) GLO 1916
<b>N/2 DEDICATED ACREAGE</b> <b>USA SF-078740</b>		
<b>W/2 DEDICATED ACREAGE</b> <b>USA SF-078740</b> <b>SECTION 29,</b> <b>T-30-N, R-5-W</b>		

<sup>17</sup> 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

**12/15/08**

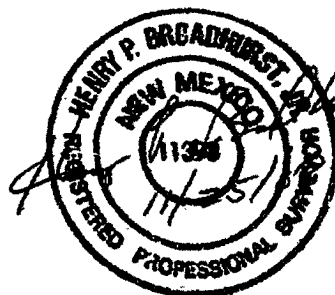
Date

<sup>18</sup> 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 30-5 UNIT 97M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8271		AFE \$: 1,380,786.65	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Johnson, David		Phone: +1 505-324-6169	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797	Proj. Field Lead:		Phone:
<b>Primary Objective (Zones):</b>					
<b>Zone</b>	<b>Zone Name</b>				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
<b>Location:</b> Surface <b>Datum Code:</b> NAD 27					
Latitude: 36.788974	Longitude: -107.386810	X:	Y:	Section: 29	Range: 005W
Footage X: 665 FWL	Footage Y: 690 FNL	Elevation: 6269	(FT)	Township: 030N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:	Date In Operation:
Formation Data: Assume KB = 6281 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6081	<input type="checkbox"/>		
OJO ALAMO	2401	3880	<input type="checkbox"/>		
KIRTLAND	2506	3775	<input type="checkbox"/>		
FRUITLAND	2616	3665	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	3196	3085	<input type="checkbox"/>		
LEWIS	3311	2970	<input type="checkbox"/>		
Intermediate Casing	3411	2870	<input type="checkbox"/>		
HUERFANITO BENTONITE	3969	2312	<input type="checkbox"/>		
CHACRA	4296	1985	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	5141	1140	<input type="checkbox"/>	450	Gas
MENEFEE	5181	1100	<input type="checkbox"/>		
POINT LOOKOUT	5433	848	<input type="checkbox"/>		
MANCOS	5841	440	<input type="checkbox"/>		
UPPER GALLUP	6686	-405	<input type="checkbox"/>		
GREENHORN	7415	-1134	<input type="checkbox"/>		
GRANEROS	7462	-1181	<input type="checkbox"/>		
TWO WELLS	7581	-1300	<input type="checkbox"/>	3405	Gas
UPPER CUBERO	7598	-1317	<input type="checkbox"/>		
LOWER CUBERO	7639	-1358	<input type="checkbox"/>		
Total Depth	7708	-1427	<input type="checkbox"/>		
ENCINAL	7708	-1427	<input type="checkbox"/>		
<b>Reference Wells:</b>					
Reference Type	Well Name		Comments		

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 97M

DEVELOPMENT<sup>2</sup>

## Logging Program:

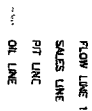
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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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SEE SHEET 3 & 4 FOR PEPAC DETAILS  
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

[illegible]

# **CONOCOPHILLIPS COMPANY**

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**SAN JUAN 30-5 UNIT #97M**

**690' FNL, 665' FWL**

**SECTION 29, T-30-N, R-5-W, N.M.P.M.,**

**RIO ARriba COUNTY, NEW MEXICO**

**NAD 83 LAT.: 36.788981°N LONG.: 107.387412°W**

**GROUND ELEV.: 6269 FIN. ELEV.: 6270 NAVD88**

**NO NEW ACCESS**

**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. TURN RIGHT ONTO ROSA ROAD.**
- **GO 6.4 MI. ALONG ROSA ROAD, CROSSING LA JARA WASH. TURN RIGHT (EASTERLY) AT BLM WARNING SIGN.**
- **GO 3.7 MI., CROSSING LA FRAGUA WASH, STAYING ON MAIN ROAD EAST. TURN RIGHT (SOUTH).**
- **GO 1.2 MI. SOUTH, CROSSING CATTLE GUARD AT GATE (MAY BE LOCKED). TURN LEFT (EAST).**
- **GO 0.2 MI. EAST ON ACCESS ROAD TO SJ 30-5 #226A. WELL STAKED 50' OFF SOUTH SIDE OF ROAD.**