

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RCVD JAN 8 '10  
OIL CONS. DIV.  
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078740 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator <b>ConocoPhillips</b> 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 9. Well Number 27N	
4. Location of Well Surf: Unit L(NWSW), 2475' FSL & 840' FWL  Surf: Latitude: 36.797681° N (NAD83) Longitude: 107.386785° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 20, T30N, R5W API # 30-039-30875	
14. Distance in Miles from Nearest Town 47 miles / Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 840'	17. Acres Assigned to Well 320.00 W/2 - MV/DK	
16. Acres in Lease 2,560.00		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 51' from SJ 30-5 Unit	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 7875'	21. Elevations (DF, FT, GR, Etc.) 6399' GL	
23. Proposed Casing and Cementing Program See Operations Plan attached	22. Approx. Date Work will Start 12/14/2009	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	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 NMB-000015 and NMB-000089 JAN 0 8 2010

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

MOCD

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

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised October 12, 2005

DISTRICT II  
1301 West Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039- 30875	<sup>2</sup> Pool Code 71599 / 72319	<sup>3</sup> Pool Name BASIN DAKOTA/BLANCO MESAVERDE
<sup>4</sup> Property Code 31327	<sup>5</sup> Property Name SAN JUAN 30 - 5 UNIT	<sup>6</sup> Well Number 27N
<sup>7</sup> GRID No. 217817	<sup>8</sup> Operator Name CONOCOPHILLIPS COMPANY	<sup>9</sup> Elevation 6399'

<sup>10</sup> Surface Location

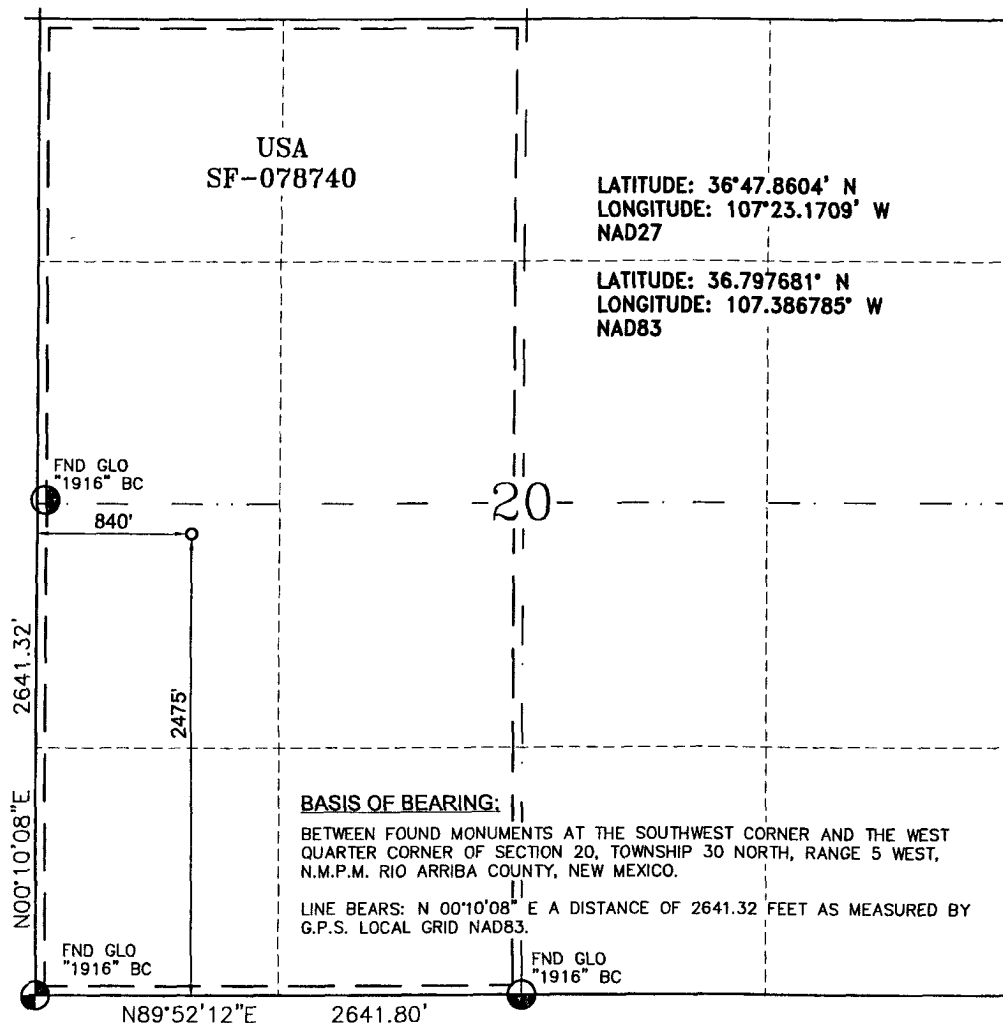
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	20	30-N	5-W		2475	SOUTH	840	WEST	RIO ARriba

<sup>11</sup> 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
L									
<sup>12</sup> Dedicated Acres DK 320.00 ACRES W/2 MV 320.00 ACRES W/2			<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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

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<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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Crystal Tafoya* 9/1/09  
Signature  
Crystal Tafoya 9-1-09  
Printed Name

<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.

August 27, 2009  
Date of Survey

Signature and Seal of Surveyor



GLEN W. RUSSELL  
Certificate Number 15703

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 27N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9097				AFE \$: 963,956.82	
Field Name: SAN JUAN		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		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 Datum Code: NAD 27							
Latitude: 36.797674		Longitude: -107.386183		X:	Y:	Section: 20	Range: 005W
Footage X: 840 FWL		Footage Y: 2475 FSL		Elevation: 6399 (FT)		Township: 030N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6413 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6213	<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.	
NACIMIENTO	1325	5088	<input type="checkbox"/>				
OJO ALAMO	2511	3902	<input type="checkbox"/>				
KIRTLAND	2619	3794	<input type="checkbox"/>				
FRUITLAND	2733	3680	<input type="checkbox"/>			Possible Gas	
PICTURED CLIFFS	3339	3074	<input type="checkbox"/>				
LEWIS	3442	2971	<input type="checkbox"/>				
Intermediate Casing	3542	2871	<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 798 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4105	2308	<input type="checkbox"/>				
CHACRA	4443	1970	<input type="checkbox"/>			Est. Top Perf - 4445 (1968)	
UPPER CLIFF HOUSE	4986	1427	<input type="checkbox"/>			Gas	
MASSIVE CLIFF HOUSE	5283	1130	<input type="checkbox"/>	414		Gas	
MENEFEE	5323	1090	<input type="checkbox"/>				
POINT LOOKOUT	5573	840	<input type="checkbox"/>				
MANCOS	5965	448	<input type="checkbox"/>				
UPPER GALLUP	6849	-436	<input type="checkbox"/>				
GREENHORN	7581	-1168	<input type="checkbox"/>				
GRANEROS	7631	-1218	<input type="checkbox"/>				
TWO WELLS	7737	-1324	<input type="checkbox"/>	3205		Gas	
PAGUATE	7744	-1331	<input type="checkbox"/>				
UPPER CUBERO	7763	-1350	<input type="checkbox"/>				
LOWER CUBERO	7804	-1391	<input type="checkbox"/>			Est. Btm Perf - 7855 (-1442) based on offset wells	
ENCINAL	7875	-1462	<input type="checkbox"/>			TD - T/ENCN	
Total Depth	7875	-1462	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, L-80 STC/LTC casing. Cement w/ 590 cuft. Circulate cement a minimum of 100' inside the previous casing string.	
<b>Reference Wells:</b>							

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 27N

DEVELOPMENT

Reference Type	Well Name	Comments
Production	SJ 30-5 Unit 208	30N 5W 19 NW SE NE
Production	SJ 30-6 Unit 216R	30N 5W 20 NE NW SW
Production	SJ 30-5 Unit 89	30N 5W 19 NW SE NE
Production	SJ 30-5 Unit 27-20	30N 5W 20 SW 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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Directions from the Post Office  
in Blanco, NM to  
**CONOCOPHILLIPS COMPANY**  
**SAN JUAN 30-5 UNIT 27N**  
**2475' FSL & 840' FWL,**  
**Section 20, T30N, R5W, N.M.P.M.,**  
**Rio Arriba County, New Mexico**  
**Latitude: 36° 47' 51.650" N**  
**Longitude: 107° 23' 12.425" W**  
**Nad 1983**

From the Post Office in Blanco, NM  
Take Highway 64 East for 28.8 miles  
To Hwy 527 (Simms Mesa Hwy),  
Turn left (northwest) on Hwy 527 for 8.0 miles,  
To Rosa Road, turn right (northeast) for 6.6 miles,  
Across La Jara Bridge to the y-intersection,  
Turn right (northeasterly) 0.1 miles,  
continue (southeasterly) for 0.8 miles to y-intersection,  
stay right (southeasterly) for 0.8 miles to y-intersection,  
stay left (southerly) 1.7 miles,  
turn right (southerly) 0.5 miles,  
turn left (south) 500' to newly staked location,  
twinned with existing location (SAN JUAN 30-5 UNIT 216R)