

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 31 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number Farmington Field Office USA SF- 078739
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 E (SWNW), 2215' FNL & 130' FWL Unit D (WNW), 1225' FNL & 1200' FWL Latitude 36.784796 N Longitude 107.371252 W Bottom Latidue 36.787531 N Longitude 107.367574 W	9. Well Number #96N
	10. Field, Pool, Wildcat Basin DK/Blanco MV
	11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 28, T30N, R5W
	API # 30-039- 30 & 30
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 1200'	
16. Acres in Lease 2320.000	17. Acres Assigned to Well 320.00 Acres (W/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52.3' from SJ 30-5 #96M MV/DK	
19. Proposed Depth 7677'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6873' GR	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>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>12/30/08</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 1/9/09

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

JAN 14 2009

NMOCD

A COMPLETE C-144 MUST BE SUBMITTED TO AND
APPROVED BY THE NMOCD FOR: A PIT, CLOSED
LOOP SYSTEM, BELOW GRADE TANK, OR
PROPOSED ALTERNATIVE METHOD, PURSUANT TO
NMOCD PART 19.15.17, PRIOR TO THE USE OR
CONSTRUCTION OF THE ABOVE APPLICATIONS.

Bureau of Land Management
Flemington Field Office

WELL LOCATION AND ACREAGE DEDICATION

¹ API Number 30-039- 30630	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 96N
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6873

¹⁰ SURFACE LOCATION

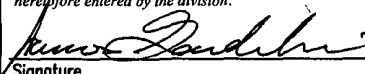
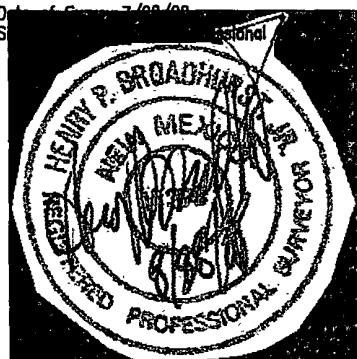
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	28	30-N	5-W		2215	NORTH	130	WEST	RIO ARRIBA

¹¹ 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
D	28	30-N	5-W		1225	NORTH	1200	WEST	RIO ARRIBA

¹² Dedicated Acres 320.00	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 N 89°33'46" E N 89°49' E 2643.9' (M) 2640.0' (R) 2215' 1200' N 0°00'15" E N 0°01' E 130' GLO 1916 W/2 DEDICATED ACREAGE USA SF-078739 SECTION 28, T-30-N, R-5-W	WELL FLAG NAD 83 LAT: 36.784796° N LONG: 107.371252° W NAD 27 LAT: 36°47.087402' N LONG: 107°22.239012' W	BOTTOM HOLE NAD 83 LAT: 36.787531° N LONG: 107.367574° W NAD 27 LAT: 36°47.251464' N LONG: 107°22.018371' W	5240.0' (M) 5260.2' (R) GLO 1916	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 9/27/08 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  Certificate Number: NM 11393				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 96N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8242		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.784789	Longitude: -107.370650	X:	Y:	Section: 28	Range: 005W
Footage X: 130 FWL	Footage Y: 2215 FNL	Elevation: 6873	(FT)	Township: 030N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27					
Latitude: 36.787524	Longitude: -107.366972	X:	Y:	Section: 28	Range: 005W
Footage X: 1200 FWL	Footage Y: 1225 FNL	Elevation:	(FT)	Township: 030N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 6885		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6685	<input type="checkbox"/>		
OJO ALAMO	3031	3854	<input type="checkbox"/>		
KIRTLAND	3133	3752	<input type="checkbox"/>		
FRUITLAND	3241	3644	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	3827	3058	<input type="checkbox"/>		
LEWIS	3914	2971	<input type="checkbox"/>		
HUERFANITO BENTONITE	4575	2310	<input type="checkbox"/>		
Intermediate Casing	4600	2285	<input type="checkbox"/>		
CHACRA	4891	1994	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	5735	1150	<input type="checkbox"/>	498	Gas
MENEFEE	5771	1114	<input type="checkbox"/>		
POINT LOOKOUT	6015	870	<input type="checkbox"/>		
MANCOS	6429	456	<input type="checkbox"/>		
UPPER GALLUP	7291	-406	<input type="checkbox"/>		
GREENHORN	8016	-1131	<input type="checkbox"/>		
GRANEROS	8059	-1174	<input type="checkbox"/>		
UPPER CUBERO	8188	-1303	<input type="checkbox"/>	3134	Gas
LOWER CUBERO	8229	-1344	<input type="checkbox"/>		
ENCINAL	8297	-1412	<input type="checkbox"/>		
Total Depth	8327	-1442	<input type="checkbox"/>		
Remarks: 12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface. Possible Gas 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1101 cuft. Circulate cement to surface. Gas TD 30' into Encinal with est bottom perf 20' off TD. Complete only upper sand in Encinal. 6-1/4" hole, 4-1/2" 11.6 ppf, J-55/ L-80 / N-80, LTC casing. Cement w/ 509 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 96N

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments
Production	30-5 75	section 21 30-5
Production	30-5 97	section 29 30-5
Production	30-5 95F & 96	section 28 30-5

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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No OH logs. Mudlog from 100' above Greenhorn to TD - loggers will call TD.

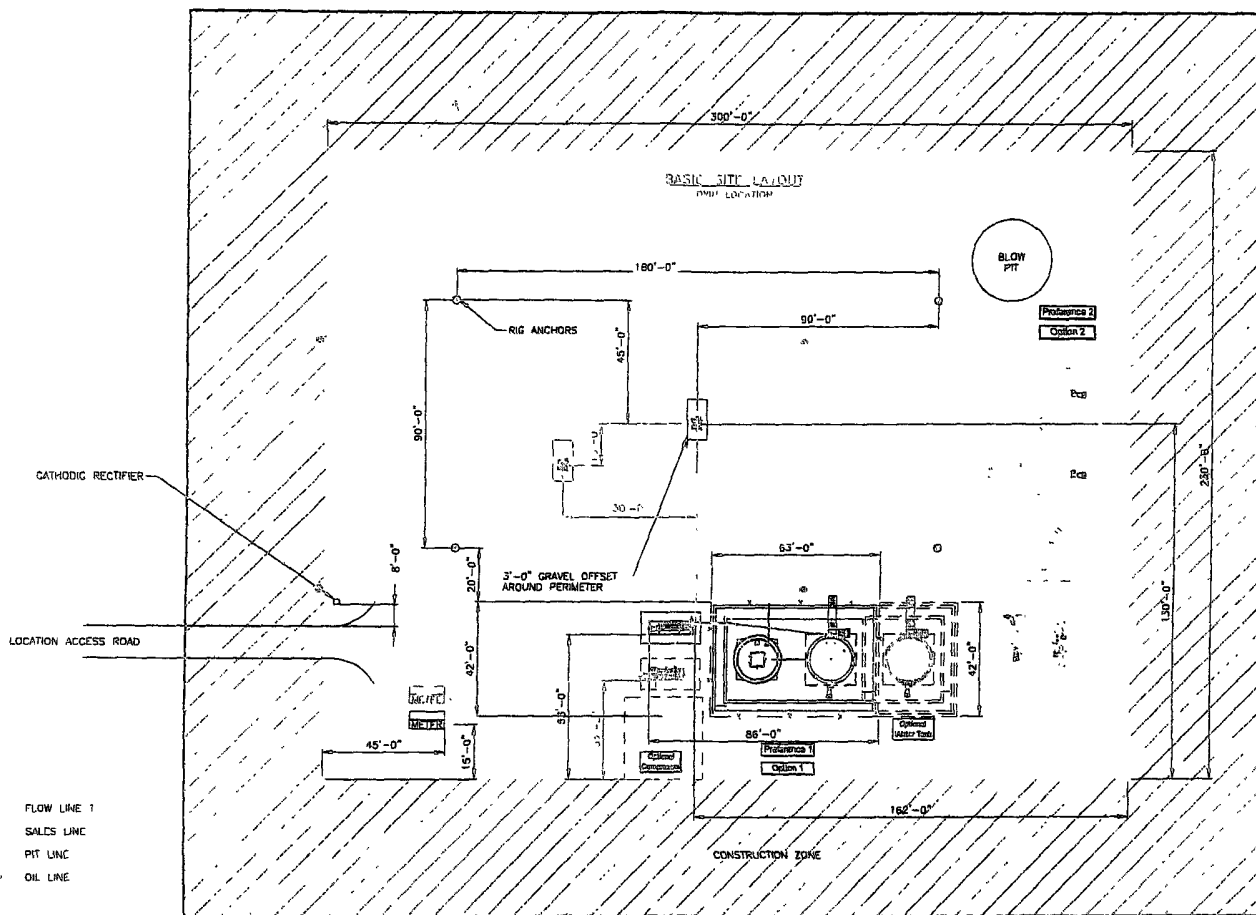
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - MV/DKNM030N005W28NW1 No other wells in 1/4, topo is very rough, prefer C.F.D.E. coordinate with 96M eap 6-17-08.

ConocoPhillips or its affiliates Planning Report

Database:	EDM-Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #96N
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 #96N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,215.5	3,031.0	Ojo Alamo		0.00		
3,327.4	3,133.0	Kirtland		0.00		
3,445.9	3,241.0	Fruitland		0.00		
4,088.7	3,827.0	Pictured Cliffs		0.00		
4,182.8	3,914.0	Lewis		0.00		
4,859.5	4,575.0	Huerf Bent		0.00		
5,175.5	4,891.0	Chacra		0.00		
6,019.5	5,735.0	Massive Cliffhouse		0.00		
6,055.5	5,771.0	Menefee		0.00		
6,299.5	6,015.0	Pt Lookout		0.00		
6,713.5	6,429.0	Mancos Shale		0.00		
7,575.5	7,291.0	Gallup		0.00		
8,300.5	8,016.0	Greenhorn		0.00		
8,343.5	8,059.0	Graneros		0.00		
8,472.5	8,188.0	Upper Cubero		0.00		
8,513.5	8,229.0	Lower Cubero		0.00		
8,581.5	8,297.0	Encinal		0.00		



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

SHEET 1 OF 5

										ENGINEERING REVIEW		REFERENCE DRAWINGS		CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
										DESIGNED	CHECKED	DATE	NO.	DESCRIPTION		
										PROCESS						
										MECHANICAL						
										PIPING						
										ELECTRICAL						
										PL & C						
										CIVIL/STRUCTURAL						
										PROJECT						
CONOCOPHILLIPS										DATE	BY	CHECKED	DATE	DESIGNED	DATE	PROJECT
SAN JUAN BUSINESS UNIT														CLIENT APPR.		APPRO. DATE
														CLIENT NAME		STATIONARY DATE
														DATE		SHEET NO.
														HP3PHASE-REV1		1 OF 5
																Δ

HP3PHASE-REV1

CONOCOPHILLIPS COMPANY

SAN JUAN 30-5 UNIT #96N

2215' FNL, 130' FWL

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

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.784796°N LONG.: 107.371252°W

GROUND ELEV.: 6873 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.**