

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 23 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-078738	
1b. Type of Well GAS	Unit Reporting Number 6. If Indian, All. or Tribe NMNM-78419A-MV NMNM-78419B-DK	
2. Operator ConocoPhillips Company	7. Unit Agreement Name RCVD MAY 14 '09 San Juan 30-5 Unit OIL CONS. DIV.	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 94M DIST. 3	
4. Location of Well Surface: Unit B(NWNE), 740' FNL & 1565' FEL Bottomhole: Unit G(SWNE), 2025' FNL & 1930' FEL Surface: Latitude: 36.788889° N (NAD 83) Longitude: 107.341061° W Bottomhole: Latitude: 36.785359° N (NAD 83) Longitude: 107.342291° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) B Sec. 27, T30N, R5W API # 30-039- 30751	
14. Distance in Miles from Nearest Town 60 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 740'		
16. Acres in Lease 2,219.760	17. Acres Assigned to Well MV/DK 320.00 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 101' from San Juan 30-5 Unit 94 (DK)		
19. Proposed Depth 8124'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6719' GR	22. Approx. Date Work will Start BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS 4/23/2009 Date	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)		

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

MAY 14 2009

NMOC

Hold C104

for Directional Survey
and "As Drilled" plat.

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

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

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

RECEIVED

APR 23 2009

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30751		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 94M
⁷ OGRID No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY			⁹ Elevation 6719

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
B	27	30-N	5-W		740	NORTH	1565	EAST	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
G	27	30-N	5-W		2025	NORTH	1930	EAST	RIO ARRIBA

¹² Dedicated Acres 320.00 (E/2)	¹³ Joint or Infill (2)	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 WELL FLAG NAD 83 LAT: 36.788889° N LONG: 107.341061° W NAD 27 LAT: 36°47.332979' N LONG: 107°20.427586' W	GLO 1916 N 89°45'31" E N 89°46' E 740' 2025' S 15°21'34" W 1334.8' 1565' 1930' N 0°03' E N 0°23'50" W 2640.0' (R) 2637.9' (N)	GLO 1916 2642.7' (M) 2640.0' (R)	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 Crystal Tafoya Printed Name Regulatory Technician Title and E-mail Address February 19, 2009 Date
E/2 DEDICATED ACREAGE SF-078738 SECTION 27, T-30-N, R-5-W			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 94M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8312		AFE \$: 1,816,280.87	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist: Phone:	
Geoscientist:		Phone:		Prod. Engineer: Phone:	
Res. Engineer: Hester, Colton		Phone: +1 505-326-9779		Proj. Field Lead: Phone:	
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.788882	Longitude: -107.340460	X:	Y:	Section: 27	Range: 005W
Footage X: 1565 FEL	Footage Y: 740 FNL	Elevation: 6719	(FT)	Township: 030N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27					
Latitude: 36.785352	Longitude: -107.341690	X:	Y:	Section: 27	Range: 005W
Footage X: 1930 FEL	Footage Y: 2025 FNL	Elevation:	(FT)	Township: 030N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date: Date In Operation:	
Formation Data: Assume KB = 6734 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6534	<input type="checkbox"/>		
OJO ALAMO	2788	3946	<input type="checkbox"/>		
KIRTLAND	2966	3768	<input type="checkbox"/>		
FRUITLAND	2994	3740	<input type="checkbox"/>	320	Possible Gas
PICTURED CLIFFS	3640	3094	<input type="checkbox"/>	1150	
LEWIS	3747	2987	<input type="checkbox"/>		
Intermediate Casing	3847	2887	<input type="checkbox"/>		
HUERFANITO BENTONITE	4428	2306	<input type="checkbox"/>		
CHACRA	4734	2000	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	5586	1148	<input type="checkbox"/>	575	Gas
MENEFEE	5622	1112	<input type="checkbox"/>		
POINT LOOKOUT	5856	878	<input type="checkbox"/>		
MANCOS	6274	460	<input type="checkbox"/>		
UPPER GALLUP	7108	-374	<input type="checkbox"/>		
GREENHORN	7844	-1110	<input type="checkbox"/>		
GRANEROS	7896	-1162	<input type="checkbox"/>		
PAGUATE	8002	-1268	<input type="checkbox"/>	3300	Gas
UPPER CUBERO	8026	-1292	<input type="checkbox"/>		
LOWER CUBERO	8066	-1332	<input type="checkbox"/>		
Total Depth	8124	-1390	<input type="checkbox"/>		
ENCINAL	8124	-1390	<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.

Possible Gas

8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 867 cuft. Circulate cement to surface.

Gas

Gas

6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 582 cuft. Circulate cement a minimum of 100' inside the previous casing string.

TD at top of Encinal with bottom perf 15' off TD.

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-5 UNIT 94M

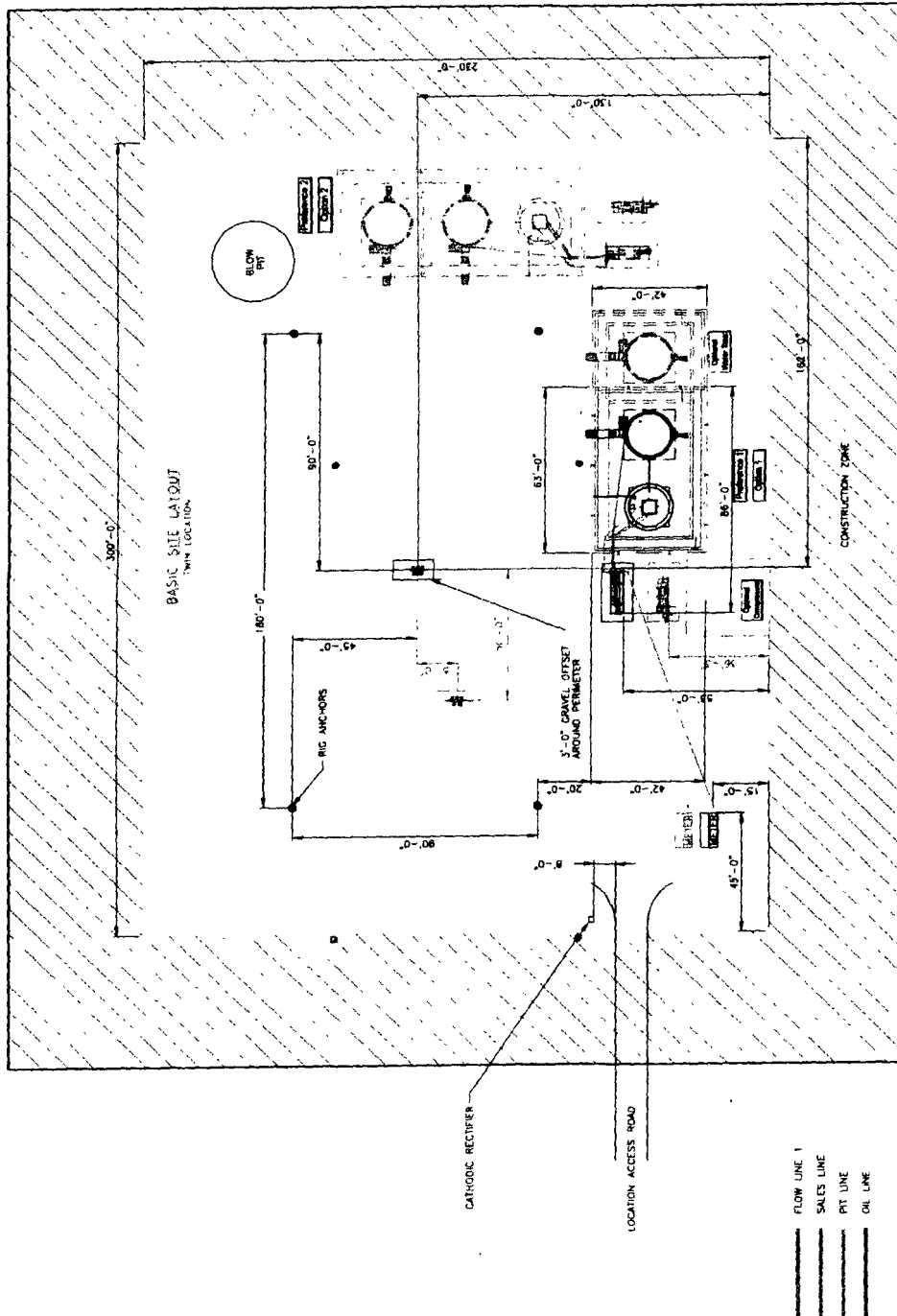
DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments
Production	94 & 81	section 27 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
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



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

SHEET 1 OF 5

CONOCOPhillips										CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT									
SAN JUAN BUSINESS UNIT										SAN JUAN BUSINESS UNIT									
ENGINEERING REVIEW										REFERENCE DRAWINGS									
PROCESS										NO.									
EQUIPMENT										DESCRIPTION									
PIPE										NO.									
VALVE										DESCRIPTION									
CON. CONNECTION										NO.									
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CONOCOPHILLIPS COMPANY

**SAN JUAN 30-5 UNIT #94M
740' FNL, 1565' FEL
SECTION 27, T-30-N, R-5-W, N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO
NAD 83 LAT.: 36.7888899°N LONG.: 107.341061°W
ELEV.: 6719 NAVD88
NO NEW ACCESS**

FROM BLOOMFIELD, NEW MEXICO:

- **GO 37.7 MI. 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 / FOREST SERVICE WARNING SIGN.**
- **GO 5.3 MI. CROSSING LA FRAGUA WASH, STAYING ON MAIN ROAD EAST. TURN RIGHT (SOUTHEAST) INTO MANUEL CANYON TOWARD ESPINOSA RANCH.**
- **GO 1.3 MI TO A "Y" INTERSECTION, TURN RIGHT (SOUTH).**
- **GO 1.0 MI TO AN EXISTING CONOCOPHILLIPS WELL LOCATION THE SAN JUAN 30-5 #94, THERE THE SAN JUAN 30-5 #94M IS TWINNED.**