

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 14 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 Unit Reporting Number	
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 RCVD AUG 7 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well Surface: Unit F (SENW), 1525' FNL & 1620' FWL Surface: Latitude: 36.786742° N (NAD 83) Longitude: 107.348231° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 27, T30N, R5W API # 30-039-30765	
14. Distance in Miles from Nearest Town 58 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1525'	17. Acres Assigned to Well MV/DK 320.00 (W/2)	
16. Acres in Lease 2,219.760	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1453' from San Juan 30-6 Unit 236 (FC)	
19. Proposed Depth 8013'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6576' 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	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	
Date		5/14/2009

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 8/6/09

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

AUG 07 2009

NMOCD

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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

MAY 14 2009 State Lease - 7 Copies

Fee Lease - 3 Copies

Bureau of Land Management

Farmington Field ☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30765	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 81N
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6576

¹⁰ SURFACE LOCATION

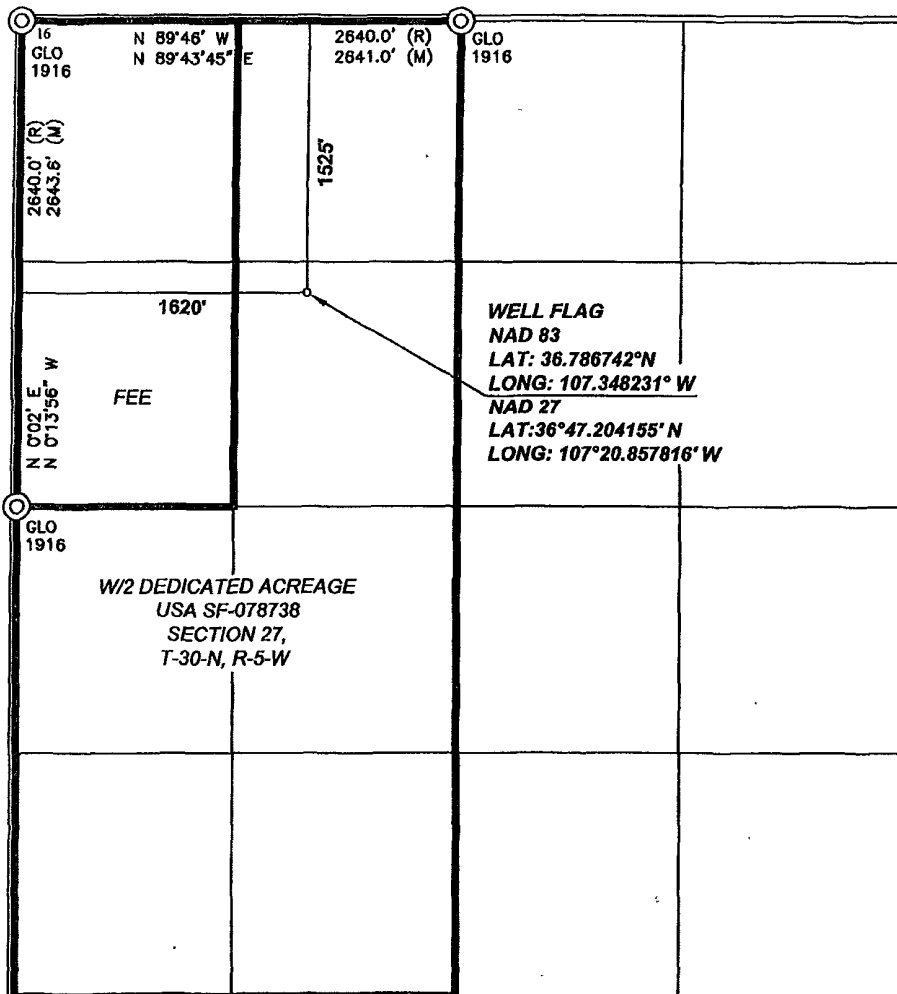
UL or lot no. F	Section 27	Township 30-N	Range 5-W	Lot Idn	Feet from the 1525	North/South line NORTH	Feet from the 1620	East/West line WEST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. F	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320.00 (W/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

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.

Crystal Tafoya 5/7/09
Signature

Crystal Tafoya
Printed Name

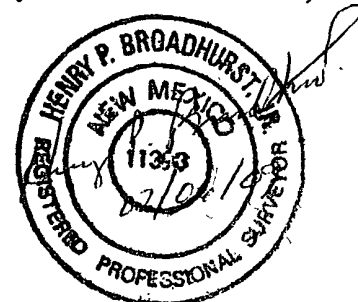
Regulatory Technician
Title and E-mail Address

May 7th, 2009
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.

Date of Survey: 1/15/09
Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 81N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8241		AFE \$: 1,328,037.76	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		State: NM	County: RIO ARRIBA
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
RON	BLANCO MESAVERDE (PRORATED GAS)
FRR	BASIN DAKOTA (PRORATED GAS)

Location: Datum Code: NAD 27

Latitude: 36.786715	Longitude: -107.347587	X:	Y:	Section: 27	Range: 005W
Footage X: 1630 FWL		Footage Y: 1530 FNL		Elevation: 6577 (FT)	Township: 030N
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6592	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6392	<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	2680	3912	<input type="checkbox"/>			
KIRTLAND	2814	3778	<input type="checkbox"/>			
FRUITLAND	2857	3735	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3508	3084	<input type="checkbox"/>			
LEWIS	3608	2984	<input type="checkbox"/>			
Intermediate Casing	3708	2884	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 835 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4284	2308	<input type="checkbox"/>			
CHACRA	4592	2000	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5450	1142	<input type="checkbox"/>	534		Gas
MENEFEE	5482	1110	<input type="checkbox"/>			
POINT LOOKOUT	5697	895	<input type="checkbox"/>			
MANCOS	6132	460	<input type="checkbox"/>			
UPPER GALLUP	6972	-380	<input type="checkbox"/>			
GREENHORN	7702	-1110	<input type="checkbox"/>			
GRANEROS	7752	-1160	<input type="checkbox"/>			
UPPER CUBERO	7880	-1288	<input type="checkbox"/>	3183		Gas
LOWER CUBERO	7922	-1330	<input type="checkbox"/>			
ENCINAL	7983	-1391	<input type="checkbox"/>			TD 30' into Encinal with est bottom perf 20' off TD
Total Depth	8013	-1421	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 594 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	30-5 27	section 27 30-5
Production	30-5 95	section 28 30-5
Production	30-5 71	section 22 30-5

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 81N

DEVELOPMENT

Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

no OH or mudlogs

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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CONOCOPHILLIPS COMPANY

**SAN JUAN 30-5 UNIT #81N
1525' FNL, 1620' FWL
SECTION 27, T-30-N, R-5-W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
NAD 83 LAT.: 36.786742°N LONG.: 107.348231°W
GROUND ELEV.: 6576 FIN. ELEV.: 6574 NAVD88
NEW ACCESS 1971.5'**

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 4.7 MI. CROSSING LA FRAGUA WASH, STAYING ON MAIN ROAD EAST. TURN RIGHT (SOUTHEAST) INTO MANUEL CANYON TOWARD ESPINOSA RANCH.**
- **GO 0.8 MI. SOUTHEAST TO THE ESPINOSA RANCH, HOMESTEAD TO THE LEFT SIDE OF ROAD.**
- **GO 0.8 MI. SOUTHEAST FROM THE ESPINOSA RANCH HOUSE INTO MANUEL CANYON JUST PAST THE CATTLE GUARD. BEGIN 1975.0 FT. NEW ACCESS ON RIGHT (NORTH) SIDE OF ROAD.**