

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RCVD FEB 2 '10
OIL CONS. DIV.
DIST. 3

1a. Type of Work DRILL	5. Lease Number SF-079401 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name San Juan 31-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 40M	
4. Location of Well Surf: Unit F (SENW), 1815' FNL & 2159' FWL Surf: Latitude: 36.843873° N (NAD83) Longitude: 107.415793° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 1, T30N, R6W API # 30-039- 30896	
14. Distance in Miles from Nearest Town 45 miles / Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1815'	17. Acres Assigned to Well 272.81 (N/2) - DK 319.69 (W/2) - MV	
16. Acres in Lease 159.690		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1474' from San Juan 31-6 Unit 40 (DK)		
19. Proposed Depth 7944'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6449' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>1/10/2010</u>	

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

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".

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

FEB 17 2010

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

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

JAN 11 2010

Bureau of Land Management
Farmington Field Office

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

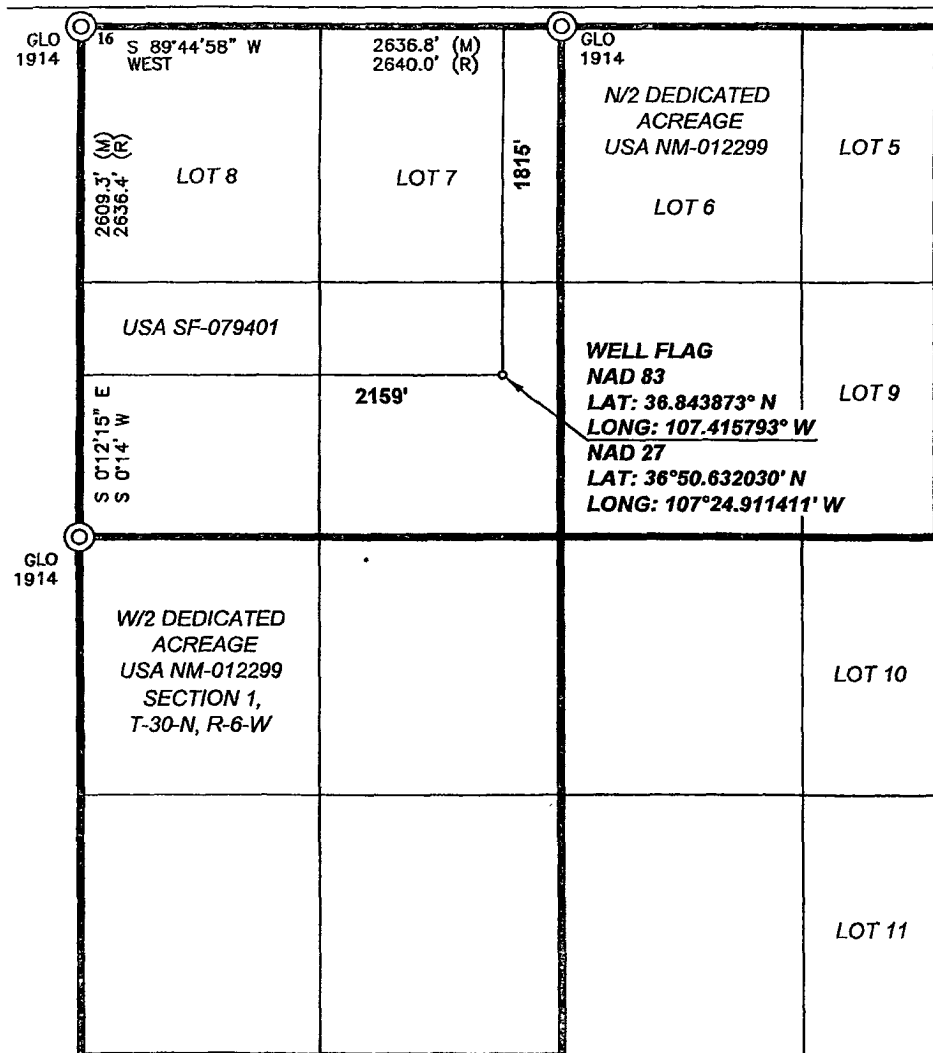
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30896		² Pool Code 71599/72319		³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE	
⁴ Property Code 31328		⁵ Property Name SAN JUAN 31-6 UNIT			⁶ Well Number 40M
⁷ OGRID No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY			⁹ Elevation 6449

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
F	1	30-N	6-W		1815	NORTH	2159	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
F									
¹² Dedicated Acres DK-272.81-N/2 MV-319.69-W/2		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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



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.
<i>Tracey N. Monroe</i>
Signature Tracey N. Monroe
Printed Name STAFF REG TECH
Title and E-mail Address 1/5/09
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: 6/4/09 Signature and Seal of Professional Surveyor:
Certificate Number: NM-11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 UNIT 40M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9099		AFE \$: 1,501,005.26	
Field Name: SAN JUAN 30-6 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	Phone:
Geoscientist:		Phone:		Prod. Engineer:	Phone:
Res. Engineer:		Phone:		Proj. Field Lead:	Phone:
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location:					
Datum Code: NAD 27					
Latitude: 36.843867	Longitude: -107.415190	X:	Y:	Section: 01	Range: 006W
Footage X: 2159 FWL	Footage Y: 1815 FNL	Elevation: 6449	(FT)	Township: 030N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:	Date In Operation:
Formation Data: Assume KB = 6464 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	201	6263	☐		
NACIMIENTO	1315	5149	☐		
OJO ALAMO	2441	4023	☐		
KIRTLAND	2622	3842	☐		
FRUITLAND	2978	3486	☐		Possible Gas
PICTURED CLIFFS	3402	3062	☐		
LEWIS	3498	2966	☐		
Intermediate Casing	3598	2866	☐		
HUERFANITO BENTONITE	4130	2334	☐		
CHACRA	4527	1937	☐		
UPPER CLIFF HOUSE	5073	1391	☐		Gas; Est. Top Perf - 5074 (1389)
MASSIVE CLIFF HOUSE	5388	1076	☐	486	Gas
MENEFEE	5404	1060	☐		
POINT LOOKOUT	5653	811	☐		
MANCOS	5979	485	☐		
UPPER GALLUP	6937	-473	☐		
GREENHORN	7654	-1190	☐		
GRANEROS	7704	-1240	☐		
TWO WELLS	7816	-1352	☐	2603	Gas
PAGUATE	7824	-1360	☐		
UPPER CUBERO	7832	-1368	☐		
LOWER CUBERO	7876	-1412	☐		Est. Btm Perf - 7923 (-1460) based on offset wells
ENCINAL	7944	-1480	☐		TD - T/ENCN
Total Depth	7944	-1480	☐		6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 591 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:					

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 31-6 UNIT 40M

DEVELOPMENT

Reference Type	Well Name	Comments
Production	SJ 31-6 40G	30N 6W 1 NE NW NE
Production	SJ 31-6 40	30N 6W 1 SE NW NW

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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CONOCOPHILLIPS COMPANY

SAN JUAN 31-6 UNIT #40M

1815' FNL, 2159' FWL

SECTION 1, T-30-N, R-6-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.843873°N LONG.: 107.415793°W

GROUND ELEV.: 6449 FIN. ELEV.: 6448 NAVD88

NEW ACCESS 30.6'

FROM BLANCO POST OFFICE IN BLANCO, N.M.:

- **GO EAST ON HWY. 64 FOR 29.1 MI. TO HWY. 527 TURN OFF AND TURN LEFT.**
- **GO 7.9 MI. TO ROSA ROAD TURN OFF AND TURN RIGHT.**
- **GO 8.0 MI. TO NEW ACCESS ON EAST SIDE OF ROAD. THE SJ 31-6 UNIT #40M IS STAKED HERE.**