

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD MAY 11 '10
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078994 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Bureau of Land Management Farmington Field Office Company	7. Unit Agreement Name NMNM-78419A-MV NMNM-78419B-DK 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 Surf: Unit A(NENE), 819' FNL & 120' FEL Bottomhole: Unit E(SWNW), 1625' FNL & 400' FWL Surf: Latitude: 36.81770° N (NAD83) Longitude: 107.35410° W Bottomhole: Latitude: 36.81549° N (NAD83) Longitude: 107.35232° W	9. Well Number 76N 10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) SH - Sec. 16, T30N, R5W BH - Sec. 15, T30N, R5W API # 30-039-30899	
14. Distance in Miles from Nearest Town 20 miles / Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 120'	17. Acres Assigned to Well 320.00 (W/2) - MV/DK	
16. Acres in Lease 1,080.00	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1600' from San Juan 28-7 Unit 239A (MV/DK)	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	
19. Proposed Depth 7884' TVD 8052' MD	24. Authorized by: Crystal Tafoya Crystal Tafoya (Regulatory Technician)	
21. Elevations (DF, FT, GR, Etc.) 6382' GL	Date: 1/11/2010	

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

Hold C104

for Directional Survey and "As Drilled" plat

NMOCDB

JUN 04 2010

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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 W. Grand Avenue, Artesia, N.M. 88210

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1000

*API Number 30-039- 30899		*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 31327	*Property Name SAN JUAN 30-5 UNIT		*Well Number 76 N
*GRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6382'

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
A	16	30N	5W		819'	NORTH	120'	EAST	RIO ARriba

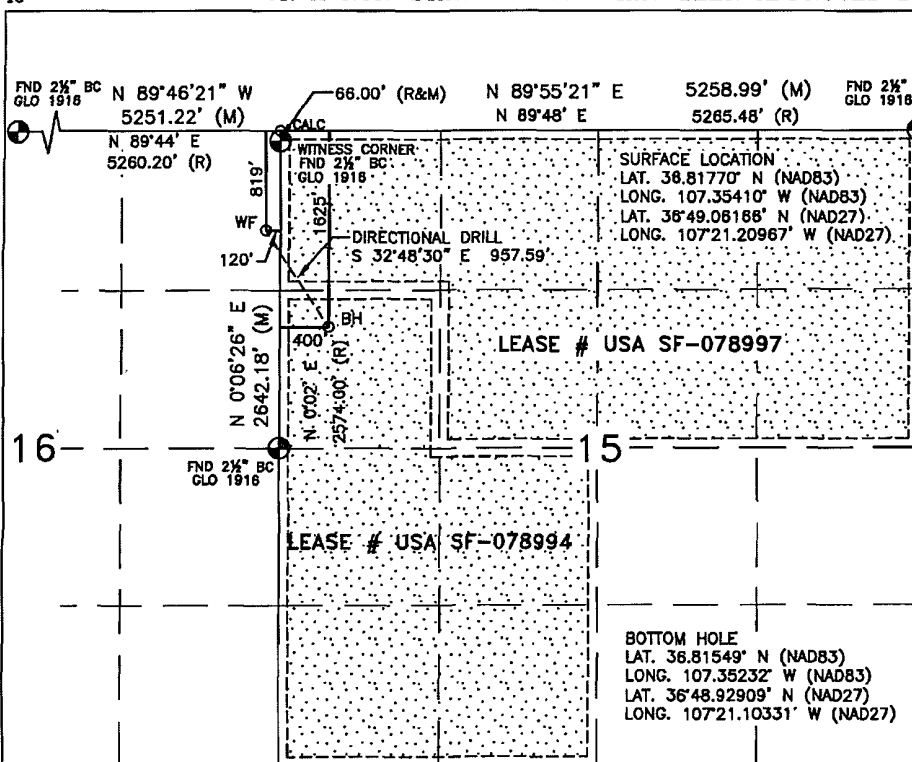
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	15	30N	5W		1625'	NORTH	400'	WEST	RIO ARRIBA

¹² Dedicated Acres MV-320.0 Acres - (W/2) DK-320.0 Acres - (N/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	RCVD MAY 21 '10 OIL CONS. DIV.
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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

18



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 undivided 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 or a compulsory pooling order heretofore entered by the division.

Signature Estel T. Reyna S. 2010 Date 11/1/10

Crystal Tafoya 5/20/10

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.

JULY 21, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

DAVID RUSSELL

Certificate Number 10201

P.A.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 76N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8176				AFE \$: 1,762,088.56	
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: McKee, Cory J		Phone: +1 505-326-9826		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: 36.817693		Longitude: -107.353498		X:	Y:	Section: 16	Range: 005W
Footage X: 120 FEL		Footage Y: 819 FNL		Elevation: 6382 (FT)		Township: 030N	
Tolerance:							
Location: Datum Code: NAD 27							
Latitude: 36.815483		Longitude: -107.351718		X:	Y:	Section: 15	Range: 005W
Footage X: 400 FWL		Footage Y: 1625 FNL		Elevation: (FT)		Township: 030N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6398 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	201	6197	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.	
OJO ALAMO	2416	3982	☐				
KIRTLAND	2618	3780	☐				
FRUITLAND	2744	3654	☐			Possible Gas	
PICTURED CLIFFS	3328	3070	☐				
LEWIS	3422	2976	☐				
Intermediate Casing	3522	2876	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 831 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4088	2310	☐				
CHACRA	4450	1948	☐				
MASSIVE CLIFF HOUSE	5286	1112	☐	168		Gas	
MENEFEE	5308	1090	☐				
POINT LOOKOUT	5512	886	☐				
MANCOS	5956	442	☐				
UPPER GALLUP	6826	-428	☐				
GREENHORN	7550	-1152	☐				
GRANEROS	7601	-1203	☐				
UPPER CUBERO	7728	-1330	☐	2515		Gas	
LOWER CUBERO	7774	-1376	☐				
ENCINAL	7844	-1446	☐			TD 40- into Encinal to complete upper Encinal with bottom perf 15' off TD.	
Total Depth	7884	-1486	☐			6-1/4" hole, 4-1/2" 11.6 ppf, L-80LTC casing. Cement w/ 593 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 76N

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments
Production	30-5 76M	section 15 30-5
Production	30-5 110	section 16 30-5

Logging Program:

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

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

Mudlog from 100' above Greenhorn to TD. Loggers will cail TD. No OH logs

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

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #76N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6396 7ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 6396 7ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-5 #76N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,590 0	3,421 0	Lewis		0 00		
3,495 7	3,327 0	Pictured Cliffs		0 00		
2,888 9	2,743 0	Fruitland		0 00		
5,476 1	5,307 0	Menefee		0 00		
6,124 1	5,955 0	Mancos		0 00		
4,256 1	4,087 0	Huerfano Bentonite		0 00		
2,532 3	2,415 0	Ojo		0 00		
7,896 1	7,727 0	Upper Cubero		0 00		
2,751 9	2,617 0	Kirtland		0 00		
5,680 1	5,511 0	Point Lookout		0 00		
6,994 1	6,825 0	Upper Gallup		0 00		
8,012 1	7,843 0	Encinal		0 00		
5,454 1	5,285 0	Mass Cliffhouse		0 00		
8,052 1	7,883 0	Total Depth		0 00		
4,618 1	4,449 0	Chacra		0 00		
7,942 1	7,773 0	Lower Cubero		0 00		
7,718 1	7,549 0	Greenhorn		0 00		
7,769 1	7,600 0	Graneros		0 00		

REFERENCE INFORMATION

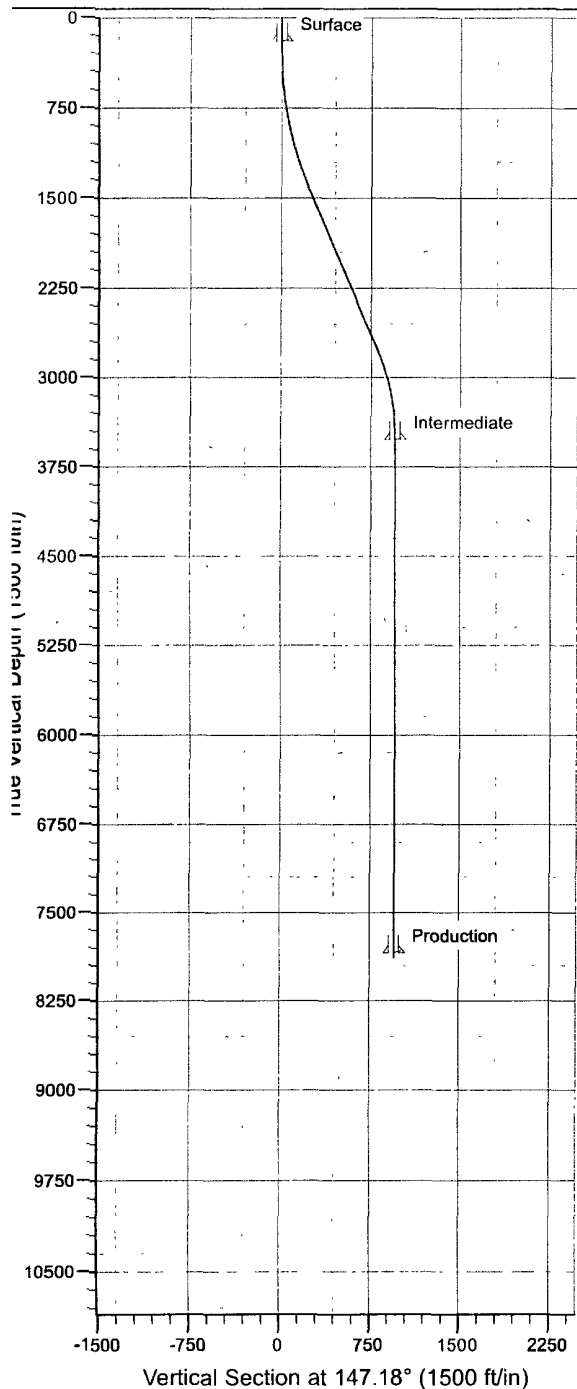
WELL @ 6396.7ft (Original Well Elev)
Ground Elevation 6381.7
Reference Lat: 36° 49' 3.700 N
Reference Long: 107° 21' 12.580 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-5 #76N
Wellbore: Principal Wellbore
Design: Plan #1



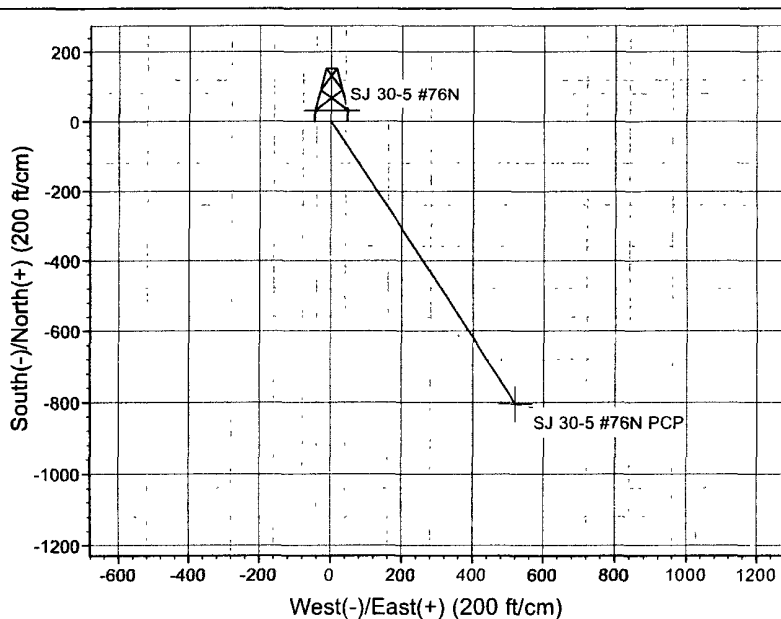
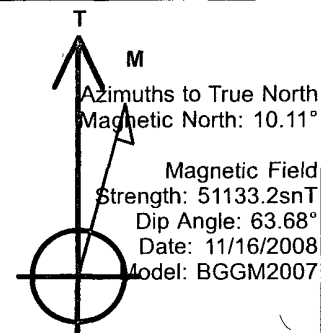
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	1454.4	23.09	147.18	1423.4	-192.8	124.4	2.00	147.18	229.4	
4	2920.5	23.09	147.18	2772.1	-675.9	436.0	0.00	0.00	804.4	
5	3690.1	0.00	0.00	3521.0	-804.5	518.9	3.00	180.00	957.3	SJ 30-5 #76N ICP
6	8052.1	0.00	0.00	7883.0	-804.5	518.9	0.00	0.00	957.3	SJ 30-5 #76N PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2415.0	2532.3	Ojo
2617.0	2751.9	Kirtland
2743.0	2888.9	Fruitland
3327.0	3495.7	Pictured Cliffs
3421.0	3590.0	Lewis
4087.0	4256.1	Huerfano Bentonite
4449.0	4618.1	Chacra
5285.0	5454.1	Mass. Cliffhouse
5307.0	5476.1	Menefee
5511.0	5680.1	Point Lookout
5955.0	6124.1	Mancos
6825.0	6994.1	Upper Gallup
7549.0	7718.1	Greenhorn
7600.0	7769.1	Graneros
7727.0	7896.1	Upper Cubero
7773.0	7942.1	Lower Cubero
7843.0	8012.1	Encinal
7883.0	8052.1	Total Depth



CONOCOPHILLIPS COMPANY
SAN JUAN 30-5 UNIT #76 N
819' FNL & 120' FEL
LOCATED IN THE NE/4 NE/4 OF SECTION 16,
T30N, R5W, N.M.P.M ,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLANCO, NM., TRAVEL EAST ON HWY 64 TO HWY 527 IN GOBERNADOR, TURN LEFT ONTO HWY 527 AND TRAVEL NORTH FOR 7.7 MILES TO ROSA ROAD TURNOFF.
- 2) TURN RIGHT ONTO ROSA ROAD & GO 6.4 MILES TO "Y" INTERSECTION.
- 3) TURN RIGHT & GO 5 MILES ON MAIN ROAD TO "Y" INTERSECTION.
- 4) TURN LEFT & GO 0.1 MILE TO "Y" INTERSECTION.
- 5) STAY RIGHT & GO 0.5 MILES TO BEGIN ACCESS ON LEFT.
- 6) TURN LEFT & GO 0.15 MILES TO FLAGGED ACCESS ON THE RIGHT
- 7) FOLLOW RED FLAGGING FOR 317' TO LOCATION.

WELL FLAG LOCATED AT LAT. 36.81770°N, LONG. 107.35410°W (NAD 83).

