

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RCVD APR 8 '09
OIL CONS. DIV.
DIST. 3

1a. Type of Work DRILL	5. Lease Number of Land Management SF-078426 Farmington Field Office	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name San Juan 29-6 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 F (SENW), 1725' FNL & 1350' FWL - Surface Unit K (NESW), 2515' FSL & 1900' FWL - Bottomhole Surface Latitude: 36.72831' N (NAD 83) Longitude: 107.49075' W Bottomhole: Latitude: 36.72536' N Longitude: 107.48887' W (NAD83)	9. Well Number 4M 10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 17, T29N, R6W API # 30-039- 30706	
14. Distance in Miles from Nearest Town 8 miles/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1350'	17. Acres Assigned to Well 320.00 (W/2) - MV/DK	
16. Acres in Lease 1,840.00	 H ₂ S POTENTIAL EXIST	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' from San Juan 29-6 Unit 208A (FC)	20. Rotary or Cable Tools BLM'S APPROVAL OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED BY REGULATIONS ON FEDERAL AND INDIAN LANDS	
19. Proposed Depth 7760'	21. Approx. Date Work will Start	
21. Elevations (DF, FT, GR, Etc.) 6423' GR	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>3/10/2009</u>	

PERMIT NO. APPROVAL DATE
APPROVED BY [Signature] TITLE ATM DATE 4/8/09

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

APR 15 2009

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

NMOCD

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

NOTIFY AZTEC CCD 24 HRS.
PRIOR TO CASING & CEMENT

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

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RECEIVED

MAR 10 2008

Bureau of Land Management
Farmington Field Office
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30706	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 31326	*Property Name SAN JUAN 29-6 UNIT	*Well Number 4M
*OGRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 6423'

¹⁰ Surface Location

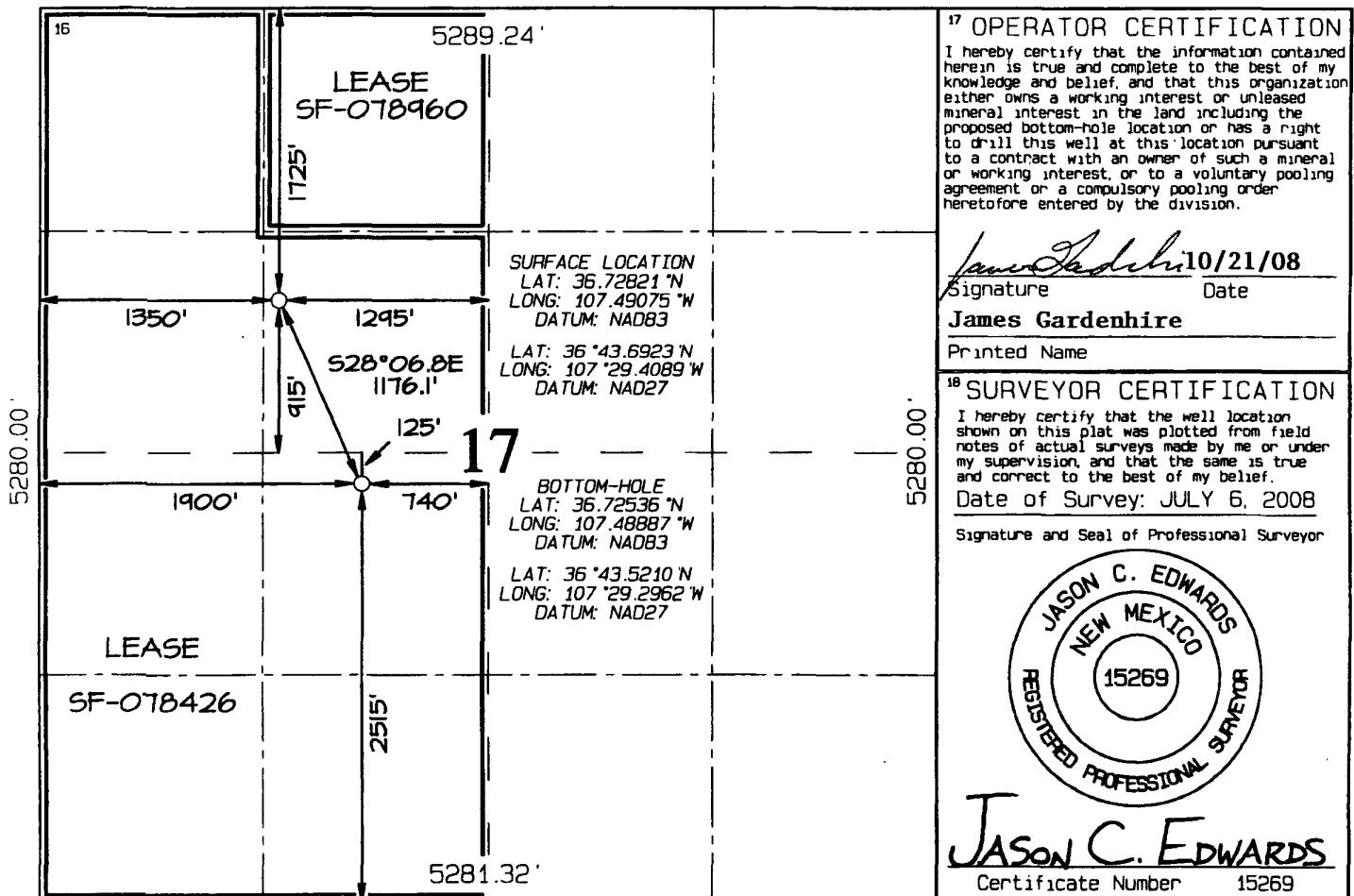
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	17	29N	6W		1725	NORTH	1350	WEST	RIO ARriba

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
K	17	29N	6W		2515	SOUTH	1900	WEST	RIO ARriba

¹² Dedicated Acres	320.0 Acres - (W/2) (MV)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No
	320.0 Acres - (W/2) (DK)			

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



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-6 UNIT 4M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7491		AFE \$: 1,685,870.07	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.728203	Longitude: -107.490145	X:	Y:	Section: 17	Range: 006W
Footage X: 1350 FWL	Footage Y: 1725 FNL	Elevation: 6423	(FT)	Township: 029N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27					
Latitude: 36.725353	Longitude: -107.488265	X:	Y:	Section: 17	Range: 006W
Footage X: 1900 FWL	Footage Y: 2515 FSL	Elevation:	(FT)	Township: 029N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:	
Formation Data: Assume KB = 6438		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6238	☐		
OJO ALAMO	2442	3996	☐		
KIRTLAND	2576	3862	☐		
FRUITLAND	2919	3519	☐		Possible Gas
PICTURED CLIFFS	3312	3126	☐		
LEWIS	3472	2966	☐		
Intermediate Casing	3900	2538	☐		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 930 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4055	2383	☐		
CHACRA	4280	2158	☐		
MASSIVE CLIFF HOUSE	5070	1368	☐	476	Gas
MENEFEE	5152	1286	☐		
POINT LOOKOUT	5474	964	☐		
MANCOS	5893	545	☐		
UPPER GALLUP	6716	-278	☐		
GREENHORN	7451	-1013	☐		
GRANEROS	7507	-1069	☐		
TWO WELLS	7570	-1132	☐	3415	Gas
UPPER CUBERO	7646	-1208	☐		
LOWER CUBERO	7684	-1246	☐		
Total Depth	7760	-1322	☐		6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 159 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7760	-1322	☐		Per operator, 500 Ft ³

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-6 UNIT 4M

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
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Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD.

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 29-6 #4M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6438.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6438.0ft (Original Well Elev)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-6 #4M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,575.6	2,442.0	Ojo		0.00		
2,723.5	2,576.0	Kirtland		0.00		
3,102.0	2,919.0	Fruitland		0.00		
3,529.4	3,312.0	Pictured Cliffs		0.00		
3,695.5	3,472.0	Lewis		0.00		
4,282.1	4,055.0	Huerfano Bentonite		0.00		
4,507.1	4,280.0	Chacra		0.00		
5,297.1	5,070.0	Mass Cliffhouse		0.00		
5,379.1	5,152.0	Menefee		0.00		
5,701.1	5,474.0	Point Lookout		0.00		
6,120.1	5,893.0	Mancos		0.00		
6,943.1	6,716.0	Upper Gallup		0.00		
7,678.1	7,451.0	Greenhorn		0.00		
7,734.1	7,507.0	Graneros		0.00		
7,797.1	7,570.0	Two Wells		0.00		
7,873.1	7,646.0	Upper Cubero		0.00		
7,911.1	7,684.0	Lower Cubero		0.00		
7,987.1	7,760.0	Encinal		0.00		

Directions from the Intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM

to ConocoPhillips Company San Juan 29-6 Unit #4M

1725' FNL & 1350' FWL, Section 17, T29N, R6W, NMPM, Rio Arriba County, NM

Latitude : 36.72821°N Longitude : 107.49075°W Datum : NAD1983

From the intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM, travel Easterly on US Hwy 64 for 31.5 miles to Milepost 96;

Go left (North-easterly) for 0.2 miles to fork in road;

Go left (North-westerly) for 1.5 miles to fork in road;

Go left (Westerly) for 0.3 miles to fork in road;

Go right (North-westerly) for 0.5 miles to fork in road;

Go right (North-easterly) for 0.9 miles to staked location which overlaps an existing wellpad.