

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 03 2009

Bureau of Land Management
LUGB/DK Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG A WELL

2009 MAR 19 09
09:05 AM
09:05 AM

1a. Type of Work DRILL	5. Lease Number SF-078740
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator ConocoPhillips	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
4. Location of Well Surf: Unit O (SWSE), 1024' FSL & 1662' FEL ^{Sec 18} BHL: Unit B (NWNE), 355' FNL & 1815' FEL ^{Sec 19} Surf: Latitude: 36.80819 N Longitude: 107.39535 W BHL: Latitude: 36.80440 N Longitude: 107.39582 W	9. Well Number 89N
	10. Field, Pool, Wildcat Basin DK/Blanco MV
	11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. ¹⁸ 36, T30N, R5W BHL: Sec. ¹⁹ 38, T30N, R5W API # 30-039-30697
14. Distance in Miles from Nearest Town 47 miles/Blanco	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1024'	
16. Acres in Lease 2,560.000	17. Acres Assigned to Well DK/MV-320.00 (E/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 72' from the San Juan 30-5 Unit 206A (FC)	
19. Proposed Depth 7958' <small>This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4</small>	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6433' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>James Gardenhire</u> James Gardenhire (Regulatory Technician)	Date <u>3-3-09</u>

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 3/18/09

Archaeological Report attached
Threatened and Endangered Species Report attached PA
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

Hold C104
for Directional Survey
and "As Drilled" plat

NMOCD 48

MAR 20 2009 aw

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1501 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brasos Rd., Artec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87605

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102
Revised October 12, 2005

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87605

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

Bureau of Land Management
Farmington Field Office
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30097		*Pool Code 71599 / 72319		*Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
*Property Code 31327		*Property Name SAN JUAN 30-5 UNIT		*Well Number 89 N	
*GRID No. 217817		*Operator Name CONOCOPHILLIPS COMANY		*Elevation 6433'	

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
0	18	30N	5W		1024'	SOUTH	1662'	EAST	RIO ARRIBA

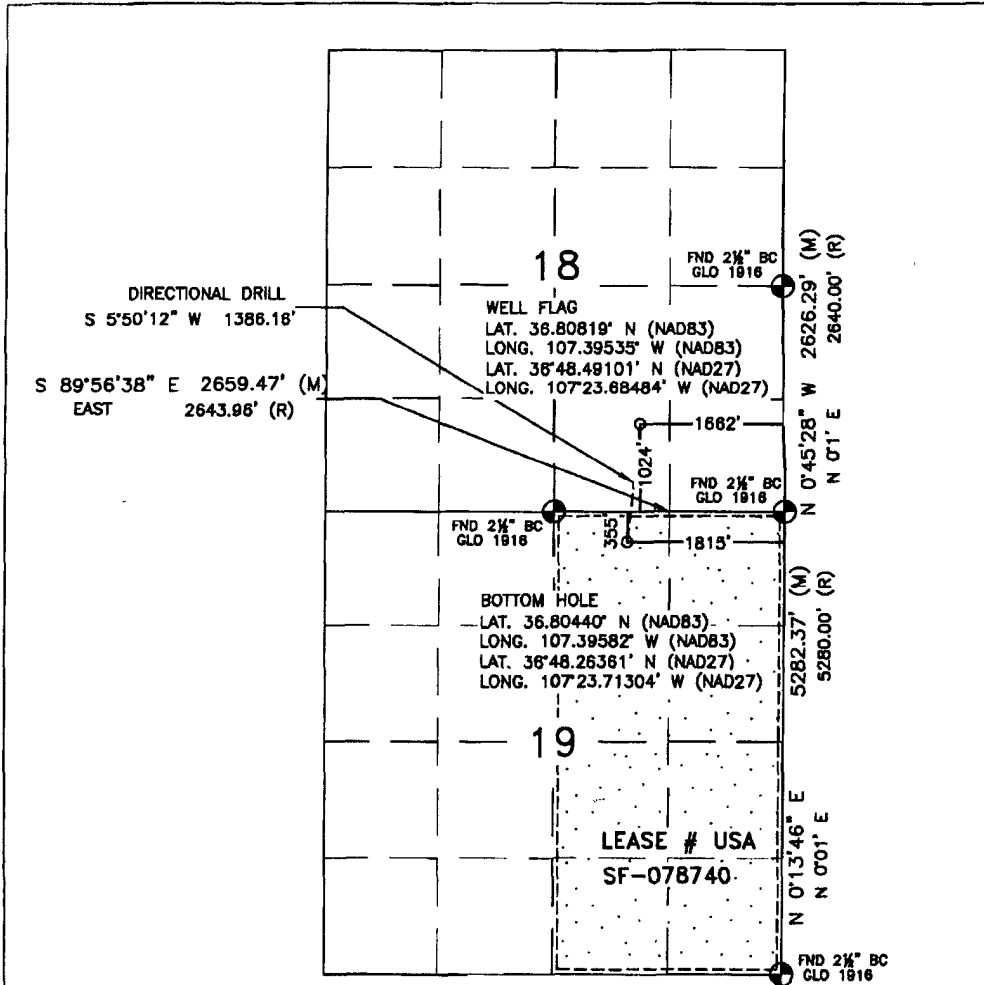
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	19	30N	5W		355'	NORTH	1815'	EAST	RIO ARRIBA

¹² Dedicated Acres 320.0 Acres - (E/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

16



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 or a compulsory pooling order heretofore entered by the division.

James Gardenhire 12/01/08
Signature Date

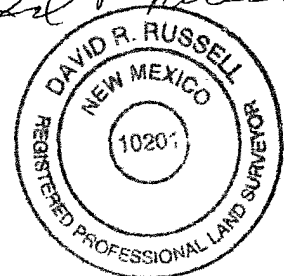
James Gardenhire
Printed Name

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.

OCTOBER 7, 2008
Date of Survey

David R. Russell
Signature and Seal of Professional Surveyor:



DAVID RUSSELL
Certificate Number 10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 89N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8283		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist: Phone:	
Geoscientist: Johnson, David		Phone: +1 505-324-6169		Prod. Engineer: Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead: Phone:	

Primary Objective (Zones):

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface Datum Code: NAD 27

Latitude: 36.808183	Longitude: -107.394747	X:	Y:	Section: 18	Range: 005W
Footage X: 1662 FEL	Footage Y: 1024 FSL	Elevation: 6433	(FT)	Township: 030N	
Tolerance:					

Location: Bottom Hole Datum Code: NAD 27

Latitude: 36.804393	Longitude: -107.395217	X:	Y:	Section: 19	Range: 005W
Footage X: 1815 FEL	Footage Y: 355 FNL	Elevation:	(FT)	Township: 030N	
Tolerance:					

Location Type: Restricted Start Date (Est.): 1/1/2010 Completion Date: Date In Operation:

Formation Data: Assume KB = 6448 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6248	<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	2538	3910	<input type="checkbox"/>			
KIRTLAND	2638	3810	<input type="checkbox"/>			
FRUITLAND	2773	3675	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3368	3080	<input type="checkbox"/>			
LEWIS	3488	2960	<input type="checkbox"/>			
HUERFANITO BENTONITE	4128	2320	<input type="checkbox"/>			
Intermediate Casing	4350	2098	<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 781 cuft. Circulate cement to surface.
CHACRA	4486	1962	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5318	1130	<input type="checkbox"/>	393		Gas
MENEFEE	5365	1083	<input type="checkbox"/>			
POINT LOOKOUT	5613	835	<input type="checkbox"/>			
MANCOS	5976	472	<input type="checkbox"/>			
UPPER GALLUP	6898	-450	<input type="checkbox"/>			
GREENHORN	7630	-1182	<input type="checkbox"/>			
GRANEROS	7676	-1228	<input type="checkbox"/>			
TWO WELLS	7799	-1351	<input type="checkbox"/>	3061		Gas
UPPER CUBERO	7812	-1364	<input type="checkbox"/>			
LOWER CUBERO	7856	-1408	<input type="checkbox"/>			
ENCINAL	7928	-1480	<input type="checkbox"/>			
Total Depth	7958	-1510	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 572 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-5 UNIT 89N

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

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
mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD. Est bottom perf ~15' above the est TD.	

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

7

ConocoPhillips or its affiliates
 Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #89N
Company:	ConocoPhillips SJB	TVD Reference:	RKD @ 6448 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKD @ 6448 0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	Grid
Well:	SJ 30-5 #89N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,681 6	2,538 0	Ojo		0 00		
2,792 0	2,638 0	Kirtland		0 00		
2,941 0	2,773 0	Fruitland		0 00		
3,597 6	3,368 0	Pictured Cliffs		0.00		
3,730 1	3,488 0	Lewis		0 00		
4,401 4	4,128 0	Huerfanto Bentonite		0 00		
4,759 9	4,486 0	Chacra		0 00		
5,591 9	5,318 0	Mass Cliffhouse		0.00		
5,638 9	5,365 0	Menefee		0 00		
5,886 9	5,613 0	Point Lookout		0 00		
6,249 9	5,976 0	Mancos		0 00		
7,171 9	6,898 0	Upper Gallup		0 00		
7,903 9	7,630 0	Greenhorn		0 00		
7,949 9	7,676 0	Graneros		0 00		
8,072 9	7,799 0	Two Wells		0 00		
8,085 9	7,812 0	Upper Cubero		0 00		
8,129 9	7,856 0	Lower Cubero		0 00		
8,201 9	7,928 0	Encinal		0 00		

CONOCOPHILLIPS COMPANY

SAN JUAN 30-5 UNIT #89 N
1024' FSL & 1662' FEL
LOCATED IN THE SW/4 SE/4 OF SECTION 18,
T30N, R5W, N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLANCO, TRAVEL EAST ON HWY 64 TO HWY 527 IN GOBERNADOR.
- 2) TURN LEFT ONTO HWY 527, AND TRAVEL NORTH FOR 7.7 MILES TO ROSA ROAD.
- 3) TURN RIGHT ONTO ROSA ROAD, AND TRAVEL 6.4 MILES TO "Y" INT.
- 4) TURN RIGHT, AND TRAVEL 2.8 MILES ON MAIN ROAD.
- 5) TURN RIGHT, AND TRAVEL 400' TO EXISTING WELLPAD TO WHERE WELL IS TWINNED.

WELL FLAG LOCATED AT LAT. 36.80819°N, LONG. 107.39535°W (NAD 83).

