

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 31 2008

Bureau of Land Management

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office

POD JAN 22 2009
BLM OCS DIV.

U.S.F.

1a. Type of Work DRILL	5. Lease Number USA SF - 078972 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name San Juan 28-7 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 J (NWSE), 1623' FSL & 1568' FEL Unit P (SESE), 700' FSL & 500' FEL Latitude 36.36.60050 N Longitude 107.55747 W Bottom: Latitude 36.59800 N Longitude 107.55390 W	9. Well Number #182N 10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 3, T27N, R7W API # 30-039- 30635	
14. Distance in Miles from Nearest Town 41 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1568'	17. Acres Assigned to Well 320.00 Acres (E/2) 319.28	
16. Acres in Lease 1600.00	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 101' from San Juan 28-7 Unit 182M MV/DK	
19. Proposed Depth 7677'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6591' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>12/30/08</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY DJ Manke

TITLE AFM

DATE 1/26/09

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

FEB 05 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

NMOC

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



H,S POTENTIAL EXIST

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

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

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-306035		² Pool Code 71599 / 72319		³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
⁴ Property Code 31739		⁵ Property Name SAN JUAN 28-7 UNIT			⁶ Well Number 182 N
⁷ GRID No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY			⁹ Elevation 6591'

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
J	3	27N	7W		1623'	SOUTH	1568'	EAST	RIO ARRIBA

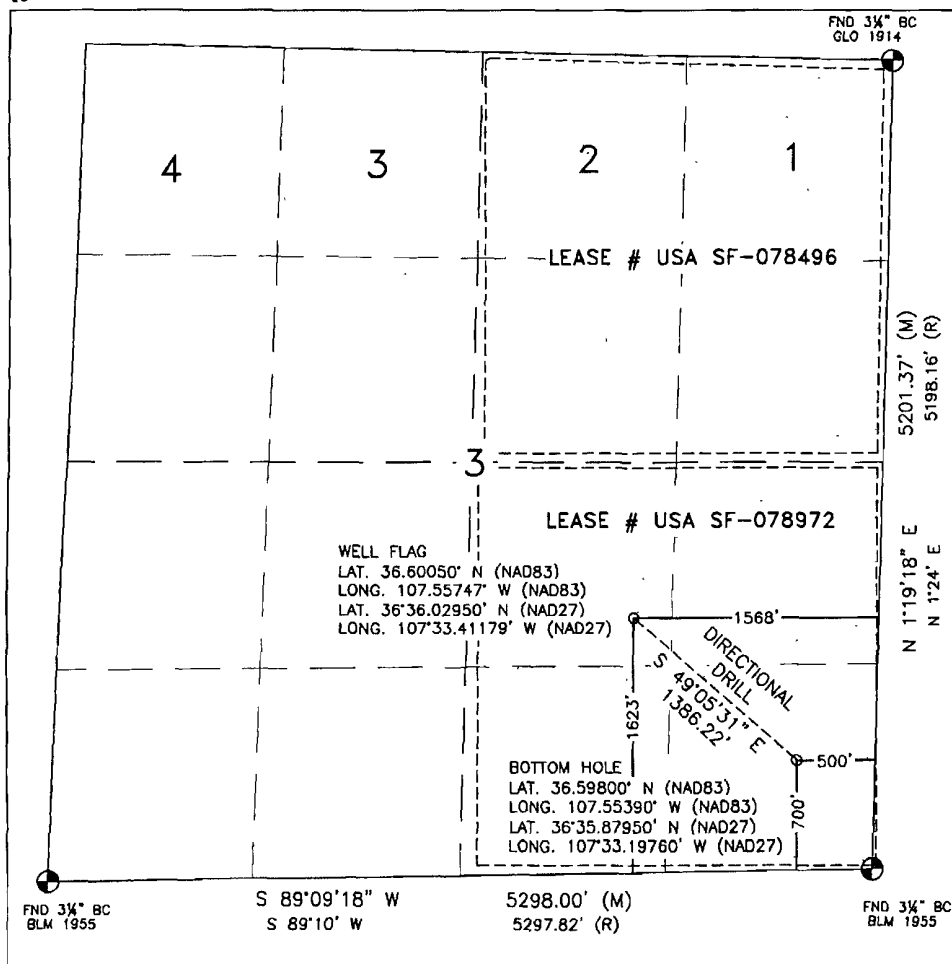
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	3	27N	7W		700'	SOUTH	500'	EAST	RIO ARRIBA

¹² Dedicated Acres 319.25 Acres - (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD JAN 30 '09 OIL CON. 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 DIST. 3

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 1-29-09
Signature Date

James Gardenhire
Printed Name

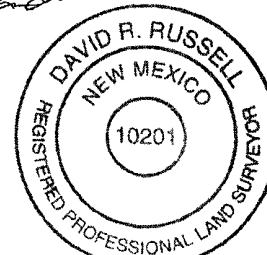
18 SURVEYOR CERTIFICATION

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.

APRIL 23, 2008

Date of Survey
Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL
Certificate Number 10201

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD08.A2		
SAN JUAN 28 - 7 # 182 N	DATE	5/15/2008
WELL NAME	SAN JUAN 28 - 7 # 182 M	
WELL NAME		

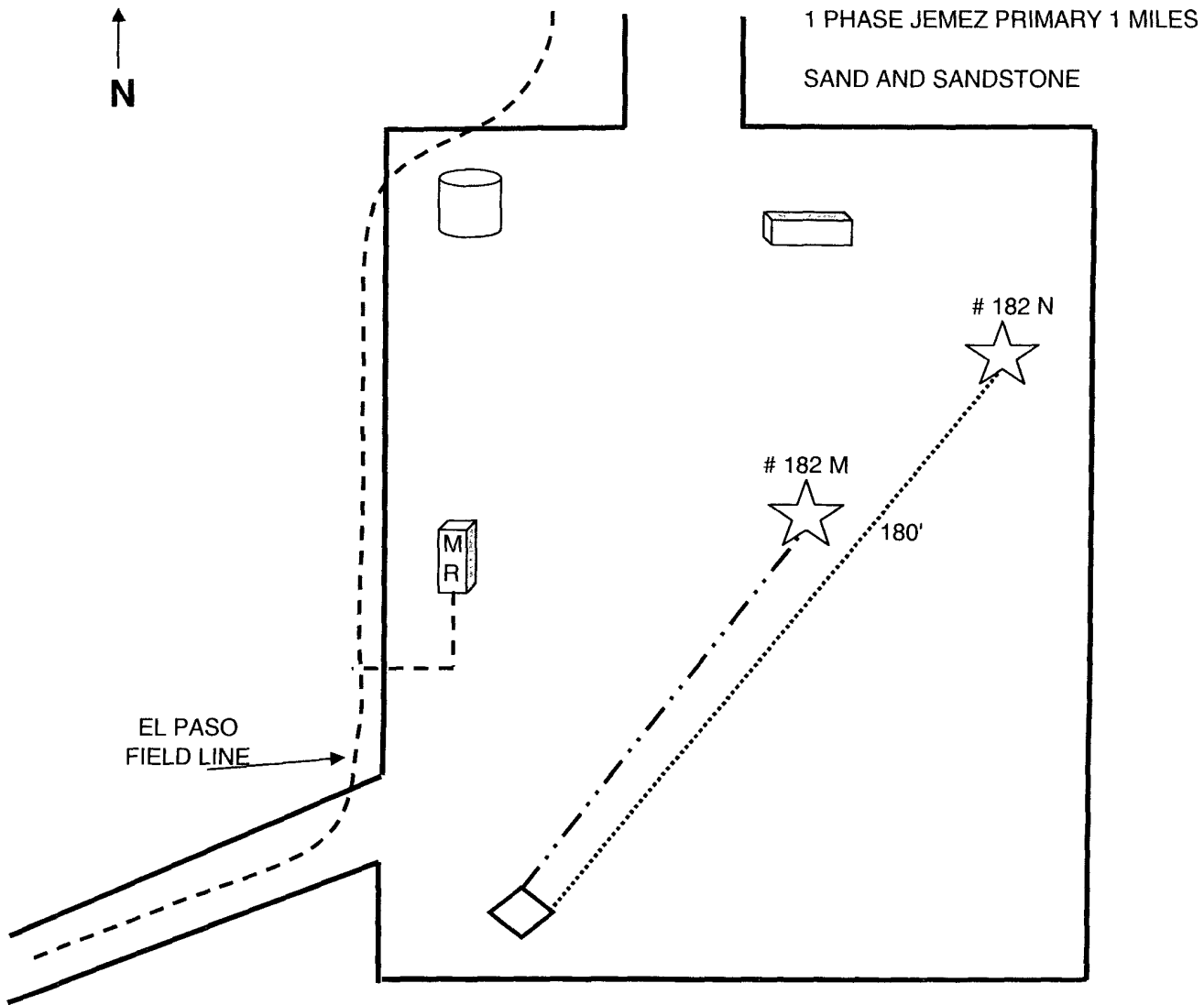
COORDINATES	SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
	J 3	27 N	7 W	36.60050 N	107.55747 W

COUNTY RIO ARRIBA

	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
<u>RECTIFIER</u>					
<u>SOLAR</u>	(12/6)		X		
<u>GROUND BED</u>			X		
<u>240 V METER POLE</u>					
<u>480 V METER POLE</u>					
<u>D C CABLES</u>	# 8	250			
<u>A C CABLES</u>					
<u>PRIMARY POWER</u>				JEMEZ	
<u>DISTANCE TO POWER</u>				1 MILE	
<u>UNDERGROUND</u>					
<u>PUMPJACK</u>					
<u>WATER PUMP</u>					

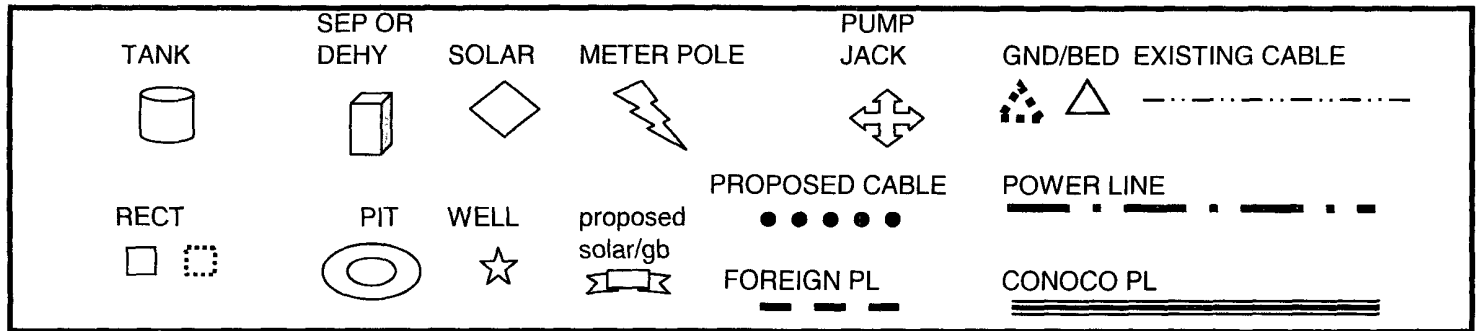
COMMENTS	1 PHASE JEMEZ PRIMARY 1 MILE
	SAND AND SANDSTONE
	EXISTING DUAL WELL SOLAR SYSTEM
	182M/186A SHOWS 2 WELLS BUT ONLY 1 NEGATIVE CABLE

WELL NAME SAN JUAN 28 - 7 # 182 N



EXISTING SOLAR DUAL

182M/186A - SHOWS 2 WELLS BUT ONLY ONE NEGATIVE CABLE



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 182N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8114				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 283		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						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.600492		Longitude: -107.556863		X:		Y:	
Footage X: 1568 FEL		Footage Y: 1623 FSL		Elevation: 6591 (FT)		Section: 03	
Tolerance:		Range: 007W					
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.597992		Longitude: -107.553293		X:		Y:	
Footage X: 500 FEL		Footage Y: 700 FSL		Elevation: (FT)		Section: 03	
Tolerance:		Range: 007W					
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6606 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6406	☐			12-1/4 hole. 9 5/8", 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.	
OJO ALAMO	2337	4269	☐				
KIRTLAND	2488	4118	☐				
FRUITLAND	2773	3833	☐			Possible Gas	
PICTURED CLIFFS	3183	3423	☐				
LEWIS	3323	3283	☐				
HUERFANITO BENTONITE	3766	2840	☐				
CHACRA	4145	2461	☐				
Intermediate Casing	4400	2206	☐			8 3/4" hole. 7", 20 ppf, J-55, STC Casing. Cement with 1524 cuft. Circulate cement to surface.	
UPPER CLIFF HOUSE	4742	1864	☐			Gas; Est. Top Perf - 4743 (1862)	
MASSIVE CLIFF HOUSE	4835	1771	☐	382		Gas	
MENEFEE	4958	1648	☐				
POINT LOOKOUT	5422	1184	☐				
MANCOS	5829	777	☐				
UPPER GALLUP	6604	2	☐				
GREENHORN	7354	-748	☐				
GRANEROS	7418	-812	☐				
TWO WELLS	7454	-848	☐	1300		Gas	
PAGUATE	7555	-949	☐				
UPPER CUBERO	7579	-973	☐				
LOWER CUBERO	7610	-1004	☐			Est. Btm Perf - 7661 (-1056 based on offset wells)	
ENCINAL	7677	-1071	☐			TD - Top of Encinal	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 182N

DEVELOPMENT

Total Depth	7677	-1071	☐	6-1/4" hole. 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 482 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 28-7 130F	27N-7W2 SW
Production	SJ 28-7 182M	27N-7W3 NW SE
Production	SJ 28-7 182F	27N-7W3 NW SE
Production	SJ 28-7 156	27N-7W10 SE NW N

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	

Mudlog from 100' above Greenhorn to TD - mudlogger will call 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 28-7 #182N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6606 0ft (Original Well Elev)
Project:	San Juan Basin- New Mexico Wells	MD Reference:	WELL @ 6606 0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 #182N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,455 4	2,337 0	Ojo Alamo		0 00		
2,621 8	2,488 0	Kirtland		0.00		
2,935 9	2,773 0	Fruitland		0 00		
3,387 7	3,183 0	Pictured Cliffs		0.00		
3,541 9	3,323 0	Lewis		0 00		
4,026 4	3,766 0	Huerfano Bentonite		0 00		
4,416 9	4,145 0	Chacra		0 00		
5,014 6	4,742 0	Upper Cliffhouse		0 00		
5,107 6	4,835 0	Massive Cliffhouse		0 00		
5,230 6	4,958 0	Menefee		0 00		
5,694 6	5,422 0	Pt Lookout		0 00		
6,101 6	5,829 0	Mancos Shale		0 00		
6,876 6	6,604 0	Upper Gallup		0 00		
7,626 6	7,354 0	Greenhorn		0 00		
7,690 6	7,418 0	Graneros		0 00		
7,726 6	7,454 0	Two Wells		0 00		
7,827 6	7,555 0	Paguate		0 00		
7,851 6	7,579 0	Upper Cubero		0 00		
7,882 6	7,610 0	Lower Cubero		0 00		
7,949 6	7,677 0	Encinal		0 00		

CONOCO PHILLIPS, COMPANY

SAN JUAN 28-7 UNIT #182 N
1623' FSL & 1568' FEL
LOCATED IN THE NW/4 SE/4 OF SECTION 3,
T27N, R7W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM WY 64 AND CR 4450, GO SOUTHEASTERLY ON CR 4450 FOR 25 MILES TO OLD SCHOOL HOUSE.
- 2) FROM "T" INTERSECTION BY OLD SCHOOL HOUSE GO NORTHERLY UP ICE CANYON FOR 3.3 MILES.
- 3) TURN LEFT GO 3.25 MILES TO TOP OF HILL.
- 4) TURN LEFT GO 6.25 MILES ON MAIN ACCESS.
 , TURN RIGHT AND GO 0.95 MILES.
 ; TURN RIGHT AND GO 0.95 MILES TO LOCATION.

WELL FLAG LOCATED AT LAT. 36.60050°N, LONG. 107.55747°W (NAD 83).