

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 08 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK ^{Bureau of} Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-078500-A Unit Reporting Number NMNM-78413C-DC	
1b. Type of Well GAS	6. If Indian, All. or Tribe NMNM-78413A-MV	
2. Operator ConocoPhillips	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 RCVD FEB 23 '09 9. Well Number 251M OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit D (NWNW), 729' FNL & 395' FWL BHL: Unit D (NWNW), 670' FNL & 825' FWL Surf: Latitude: 36.623014 N Longitude: 107.622010 W BHL: Latitude: 36.623176 N Longitude: 107.620543 W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 31, T28N, R7W BHL: Sec. 31, T28N, R7W API # 30-039-30671	
14. Distance in Miles from Nearest Town 14 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 395'	17. Acres Assigned to Well DK 216.57 ac, NWNW, MV 301.23 (W/2) E2NW, NEX, SE, SWS, C30 - R-2448	
16. Acres in Lease 925.360		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1135' from San Juan 28-7 Unit 149 (PC)		
19. Proposed Depth 6896'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5935' GL	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	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>James Gardenhire</u> James Gardenhire (Regulatory Technician)	Date <u>2-2-09</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

Hold C104

for Directional Survey
and "As Drilled" plat

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

FEB 24 2009

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

RECEIVED

FEB 03 2009

Bureau of Land Management
Farmington Field Office

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

DISTRICT I
1025 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

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

DISTRICT IV
1280 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30671		*Pool Code 71599-1-72319	*Pool Name DAKOTA / MESA VERDE
*Property Code 31739	*Property Name SAN JUAN 28-7 UNIT		*Well Number 251M
*GRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 5935

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
D	31	28 N	7 W	LOT 1	729	NORTH	395	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
D	31	28 N	7 W	LOT 1	670	NORTH	825	WEST	RIO ARRIBA

*Dedicated Acres 301.23 (W/2) MV 316.5 (DK tract)	*Joint or Infill	*Consolidation Code	*Order No. R-2948
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Tract 9 316.5 AC
DK 101 E 1/4 NW 1/4 NE 1/4 Sec 31 SE 1/4 SW 1/4 Sec 30

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 FEE SECTION 30 NAD 83 LAT: 36.623176° N LONG: 107.620543° W NAD 27 LAT: 36°37.3901' N LONG: 107°37.1960' W USA SF-078500-A SECTION 31 LOT 3 (38.54) LOT 4 (34.18) LOT 5 (37.34) LOT 6 (37.45) LOT 7 (37.55) N 0°06'03" W S 89°48'16" W 2554.46' 2597.07' (CALC)		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 of 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. Signature: <u>Patsy Clugston</u> Date: <u>12/30/08</u> Printed Name: <u>Patsy Clugston</u>
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. 3/20/08 Date of Survey Signature and Seal of Professional Surveyor: <u>[Signature]</u> 17078 Certificate Number		

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

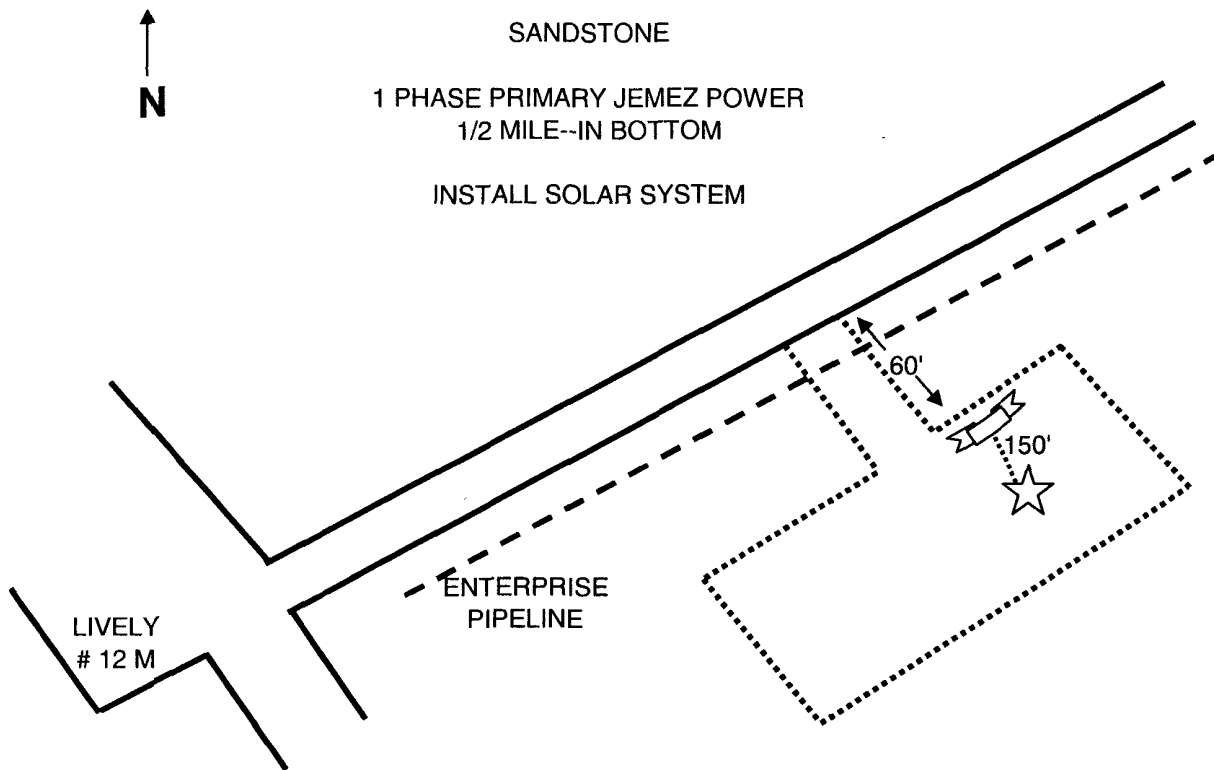
BURLINGTON RESOURCES		
WAN.RFE.PDO7.LW		
SAN JUAN 28 - 7 # 251 M	DATE	4/24/2008
WELL NAME		
WELL NAME		

COORDINATES	SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
	D 31	28 N	7 W	36 37.3804 N	107 37.2840 W
COUNTY	RIO ARRIBA				

	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
RECTIFIER					
SOLAR	(12/4)	X			
GROUND BED		X			
240 V METER POLE					
480 V METER POLE					
D C CABLES	# 8	200'			
A C CABLES					
PRIMARY POWER				JEMEZ	
DISTANCE TO POWER				.5 MILES	
UNDERGROUND					
PUMPJACK					
WATER PUMP					

COMMENTS	INSTALL SOLAR SYSTEM - 1 PHASE Jemez power 1/2 mile in bottom of Crizzo

WELL NAME	SAN JUAN 28 - 7 # 251 M
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TANK 	SEP OR DEHY 	SOLAR 	METER POLE 	PUMP JACK 	GND/BED 	EXISTING CABLE 
RECT  	PIT 	WELL 	proposed solar/gb 	PROPOSED CABLE 	POWER LINE 	CONOCO PL 
				FOREIGN PL 		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 251M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8057				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		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: Surface Datum Code: NAD 27							
Latitude: 36.623006		Longitude: -107.621401		X:	Y:	Section: 31	Range: 007W
Footage X: 395 FWL		Footage Y: 729 FNL		Elevation: 5935 (FT)		Township: 028N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.623168		Longitude: -107.619934		X:	Y:	Section: 31	Range: 007W
Footage X: 825 FWL		Footage Y: 670 FNL		Elevation:		(FT) Township: 028N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5950 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	5750	☐			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	1501	4449	☐				
KIRTLAND	1628	4322	☐				
FRUITLAND	1979	3971	☐			Possible Gas	
PICTURED CLIFFS	2420	3530	☐				
LEWIS	2566	3384	☐				
HUERFANITO BENTONITE	3008	2942	☐				
CHACRA	3372	2578	☐				
MASSIVE CLIFF HOUSE	4094	1856	☐	372		Gas	
MENEFEE	4191	1759	☐				
Intermediate Casing	4500	1450	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1028 cuft. Circulate cement to surface.	
POINT LOOKOUT	4640	1310	☐				
MANCOS	5052	898	☐				
UPPER GALLUP	5842	108	☐				
GREENHORN	6586	-636	☐				
GRANEROS	6644	-694	☐				
TWO WELLS	6692	-742	☐	2829		Gas	
UPPER CUBERO	6808	-858	☐				
LOWER CUBERO	6830	-880	☐				
ENCINAL	6895	-945	☐				
Total Depth	6896	-946	☐			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 331 cuft. Circulate cement a minimum of 100' inside the previous casing string.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 251M

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
Est bottom perf ~20' above the est 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 #251M ADG
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 5950.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 5950.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 #251M ADG	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,501.0	1,501.0	Ojo		0.00		
1,628.0	1,628.0	Kirtland		0.00		
1,979.0	1,979.0	Fruitland		0.00		
2,420.0	2,420.0	Pictured Cliffs		0.00		
2,566.0	2,566.0	Lewis		0.00		
3,010.7	3,008.0	Huerfano Bentonite		0.00		
3,386.1	3,372.0	Chacra		0.00		
4,152.7	4,094.0	Mass Cliffhouse		0.00		
4,251.5	4,191.0	Menefee		0.00		
4,701.8	4,640.0	Point Lookout		0.00		
5,113.8	5,052.0	Mancos		0.00		
5,903.8	5,842.0	Upper Gallup		0.00		
6,647.8	6,586.0	Greenhorn		0.00		
6,705.8	6,644.0	Graneros		0.00		
6,753.8	6,692.0	Two Wells		0.00		
6,869.8	6,808.0	Upper Cubero		0.00		
6,891.8	6,830.0	Lower Cubero		0.00		
6,956.8	6,895.0	Encinal		0.00		

CONOCOPHILLIPS COMPANY

SAN JUAN 28-7 UNIT 251M

729' FNL & 395' FWL (SURFACE LOCATION)

670' FNL & 825' FWL (BOTTOM HOLE LOCATION)

LATITUDE: 36.623014° N

LONGITUDE: 107.622010° W

NAD 83

SECTION 31, T-28-N, R-7-W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO

FROM THE INTERSECTION OF U.S. HIGHWAY 64 AND COUNTY ROAD 4450

TRAVEL SOUTHEASTERLY ON COUNTY ROAD 4450 FOR 3.6 MILES.

TURN LEFT AND PROCEED EASTERLY TOWARDS CUTTER DAM

(WATCH FOR SIGNS).

PASSING CUTTER DAM TURNOFF, CONTINUE EASTERLY 5.7 MILES

TOWARDS CARRIZO CANYON ON THE MAIN ROAD TO A MAJOR

INTERSECTION.

**TURN RIGHT AND CROSS CARRIZO WASH AT "ROCK CROSSING" BY OLD
BRIDGE AND CONTINUE SOUTHERLY 0.2 MILE TO 3-WAY INTERSECTION.**

**TURN LEFT AND TRAVEL EASTERLY 3.5 MILES UP CARRIZO CANYON TO
PROPOSED WELL SITE.**