

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 10 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-078500-A Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name RCVD MAY 5 '09 OIL CONS. DIV. San Juan 28-7 Unit DIST. 3	
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 E (SWNW), 2463' FNL & 456' FWL- Surface Unit F (SENW), 2115' FNL & 1450' FWL - Bottomhole Surface: Latitude: 36.618253' N (NAD83) Longitude: 107.621795' W Bottomhole: Latitude: 36.619205' N (NAD83) Longitude: 107.618409' W	9. Well Number 251N 10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec 31, T28N, R7W API # 30-039- 30709	
14. Distance in Miles from Nearest Town 17 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 456'	17. Acres Assigned to Well 301.23 (W/2) - MV 316.5 (DK) - R-2948#9	
16. Acres in Lease 925.360	 H2S POTENTIAL EXIST	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 690' from San Juan 28-7 Unit 243M. (MV/DK)	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 7230'	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
21. Elevations (DF, FT, GR, Etc.) 6290' GR	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 AFM DATE 5/5/09

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

NMOC

Hold C104

for Directional Survey
and "As Drilled" plat

MAY 06 2009

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

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, 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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

MAR 10 2008

Bureau of Land Management ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- <u>30709</u>	² Pool Code 71599 / 72319	³ Pool Name Basin DAKOTA / MESA VERDE Blanco
⁴ Property Code 31739	⁵ Property Name SAN JUAN 28-7 UNIT	⁶ Well Number 25IN
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6290

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
E	31	28 N	7 W	LOT 2	2463	NORTH	456	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
F	31	28 N	7 W		2115	NORTH	1450	WEST	RIO ARRIBA

¹² Dedicated Acres 301.23 (W/2) MV 316.5 DK	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-2948 Unit 9-28N7W
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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

¹⁶		¹⁷ OPERATOR CERTIFICATION	
○ = SURFACE LOCATION ● = BOTTOM HOLE LOCATION SECTION 30 USA SF-078500-A NAD 83 LAT: 36.619205° N LONG: 107.618409° W NAD 27 LAT: 36°37.1518' N LONG: 107°37.0680' W SECTION 31 NAD 83 LAT: 36.618253° N LONG: 107.621795° W NAD 27 LAT: 36°37.0947' N LONG: 107°37.2712' W LOT 3 (38.84) LOT 4 (34.18) LOT 5 (37.34) LOT 6 (37.46) LOT 7 (37.65)		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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <u>James Gardenhire</u> 12/23/08 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. 3/21/08 Date of Survey Signature and Seal of Professional Surveyor 17078 Certificate Number	

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD08.60		
SAN JUAN 28 - 7 # 251 N		DATE 4/22/2008
WELL NAME		
WELL NAME		

COORDINATES	SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
	E 31	28 N	7 W	36 37.0947 N	107 37.2712 W
COUNTY	RIO ARRIBA				

	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
RECTIFIER	30/12	X			
SOLAR					
GROUND BED		X			
240 V METER POLE		X			
480 V METER POLE					
D C CABLES	# 8	200'			
A C CABLES	# 8	350'			
PRIMARY POWER				JEMEZ	
DISTANCE TO POWER				360'	
UNDERGROUND					
PUMPJACK					
WATER PUMP					

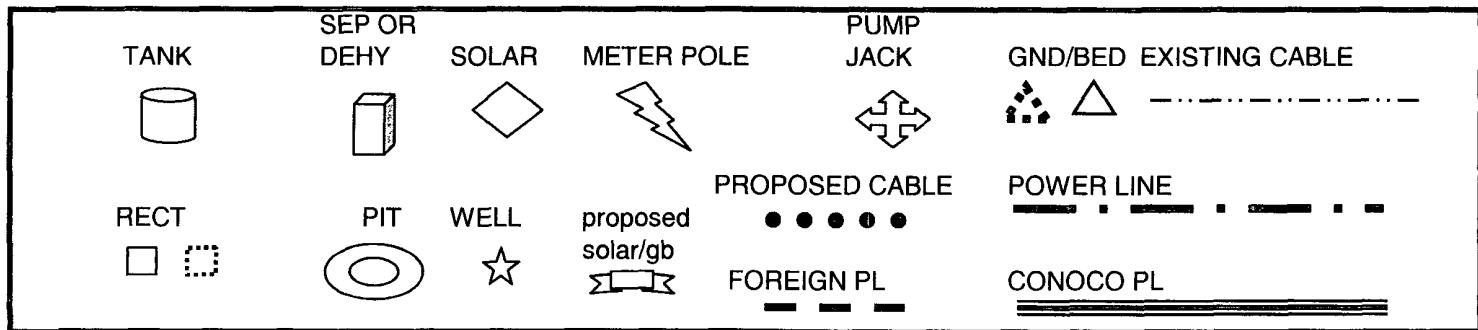
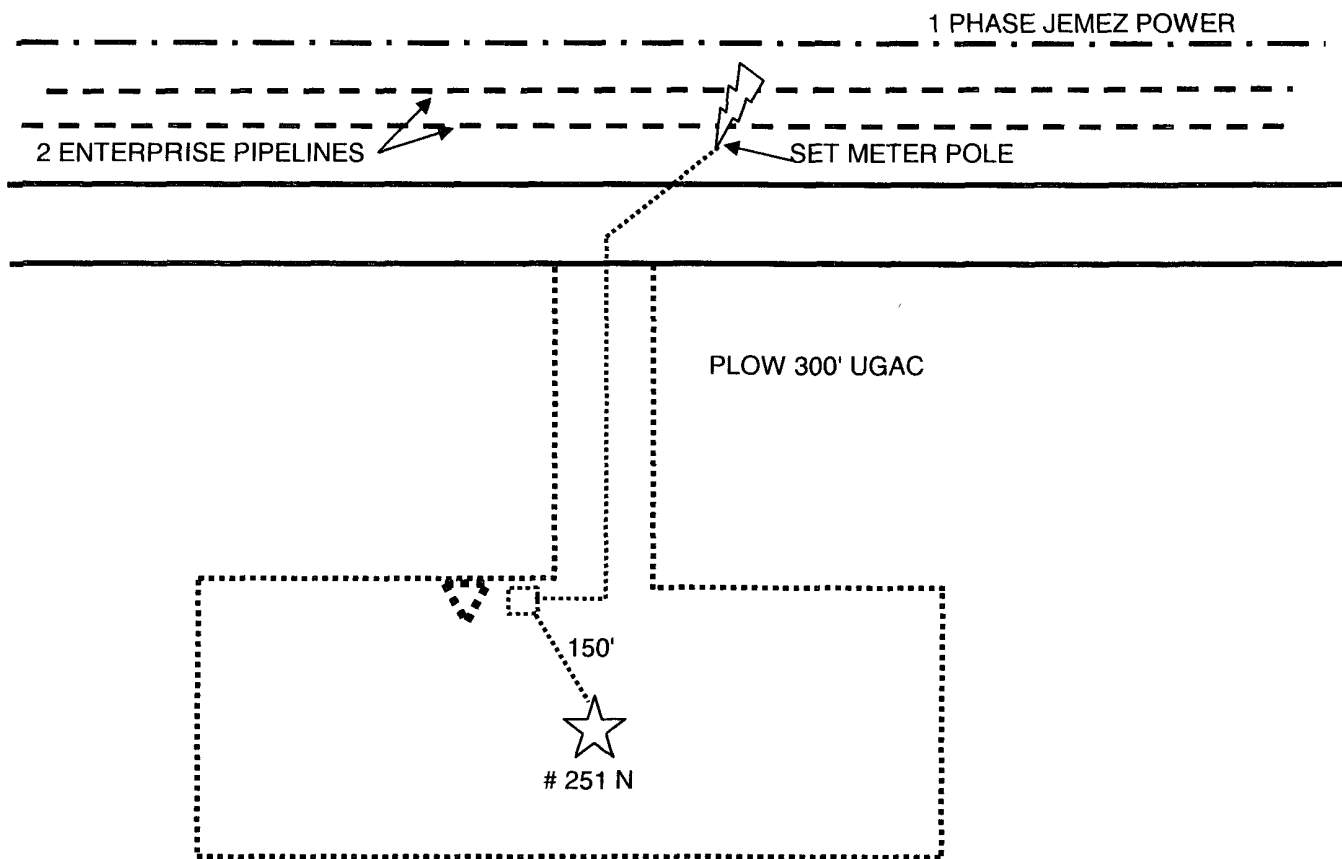
COMMENTS	install meter pole - plow ugac to loc 300 ft - install rectifier system - sandy soil

WELL NAME	SAN JUAN 28 - 7 # 251 N
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SANDY SOIL

INSTALL RECTIFIER SYSTEM



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 251N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8058		AFE \$: 1,596,491.43	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.618245	Longitude: -107.621186	X:	Y:	Section: 31	Range: 007W
Footage X: 456 FWL	Footage Y: 2463 FNL	Elevation: 6290	(FT)	Township: 028N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27					
Latitude: 36.619197	Longitude: -107.617800	X:	Y:	Section: 31	Range: 007W
Footage X: 1450 FWL	Footage Y: 2115 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 = 6305 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6105	☐		
OJO ALAMO	1855	4450	☐		
KIRTLAND	2005	4300	☐		
FRUITLAND	2362	3943	☐		Possible Gas
PICTURED CLIFFS	2775	3530	☐		
LEWIS	2905	3400	☐		
HUERFANITO BENTONITE	3355	2950	☐		
Intermediate Casing	3600	2705	☐		
CHACRA	3718	2587	☐		
MASSIVE CLIFF HOUSE	4435	1870	☐	365	Gas
MENEFEE	4540	1765	☐		
POINT LOOKOUT	4985	1320	☐		
MANCOS	5393	912	☐		
UPPER GALLUP	6181	124	☐		
GREENHORN	6923	-618	☐		
GRANEROS	6982	-677	☐		
TWO WELLS	7028	-723	☐	2860	Gas
UPPER CUBERO	7145	-840	☐		
LOWER CUBERO	7164	-859	☐		
Total Depth	7230	-925	☐		
					6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 496 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7230	-925	☐		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 251N

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 #251N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6305.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6305.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ-28-7 #251N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Principal Wellbore		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,929.6	1,855.0	Ojo		0.00		
2,096.0	2,005.0	Kirtland		0.00		
2,491.9	2,362.0	Fruitland		0.00		
2,950.0	2,775.0	Pictured Cliffs		0.00		
3,091.8	2,905.0	Lewis		0.00		
3,557.4	3,355.0	Huerfano Bentonite		0.00		
3,921.1	3,718.0	Chacra		0.00		
4,638.1	4,435.0	Mass Cliffhouse		0.00		
4,743.1	4,540.0	Menefee		0.00		
5,188.1	4,985.0	Point Lookout		0.00		
5,596.1	5,393.0	Mancos		0.00		
6,384.1	6,181.0	Upper Gallup		0.00		
7,126.1	6,923.0	Greenhorn		0.00		
7,185.1	6,982.0	Graneros		0.00		
7,231.1	7,028.0	Two Wells		0.00		
7,348.1	7,145.0	Upper Cubero		0.00		
7,367.1	7,164.0	Lower Cubero		0.00		
7,433.1	7,230.0	Encinal		0.00		

CONOCOPHILLIPS COMPANY

SAN JUAN 28-7 UNIT 251N

2463' FNL & 456' FWL (SURFACE LOCATION)

2115' FNL & 1450' FWL (BOTTOM HOLE LOCATION)

LATITUDE: 36.618253° N

LONGITUDE: 107.621795° 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 TOWARD 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 5.1 MILES UP CARRIZO CANYON ON

MAIN ROAD.

TURN RIGHT AND TRAVEL WESTERLY 0.8 MILE.

TURN RIGHT AND TRAVEL NORTH 0.2 MILE TO PROPOSED ACCESS ROUTE

AND PROPOSED WELL SITE.