

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

1a. Type of Work DRILL	5. Lease Number SF-078497	FEB 27 2009
1b. Type of Well GAS	6. If Indian, All. or	Unit Reporting Number Land Management Farmington Field Office
2. Operator ConocoPhillips	7. Unit Agreement Name OIL CONS. DIV. DIST. 3 San Juan 28-7 Unit	RCVD MAY 8 '09
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	9. Well Number 257N
4. Location of Well Surf: Unit C (NENW), 1075' FNL & 1730' FWL BHL: Unit G (SWNE), 2050' FNL & 2450' FEL Surf: Latitude: 36.651009 N Longitude: 107.617474 W BHL: Latitude: 36.648333 N Longitude: 107.614187 W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 19, T28N, R7W BHL: Sec. 19, T28N, R7W API # 30-039-30687	
14. Distance in Miles from Nearest Town 31.3 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1075'	16. Acres in Lease 1,639.560	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 San Juan 28-7 Unit 32A (MV/PC)	19. Proposed Depth 7837'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6745' 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: James Gardenhire (Regulatory Technician)	Date 2-16-09

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

MAY 14 2009

NMOCD

## 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

RECEIVED

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

FEB 17 2009 State Lease - 7 Copies

Fee Lease - 3 Copies

Bureau of Land Management  
Farmington Field Office  
AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-30687	<sup>2</sup> Pool Code 71599 / 72319	<sup>3</sup> Pool Name BASIN DAKOTA / BLANCO MESAVERDE
<sup>4</sup> Property Code 31739	<sup>5</sup> Property Name SAN JUAN 28-7 UNIT	<sup>6</sup> Well Number 257N
<sup>7</sup> OGRID No. 217817	<sup>8</sup> Operator Name CONOCOPHILLIPS COMPANY	<sup>9</sup> Elevation 6745

<sup>10</sup> SURFACE LOCATION

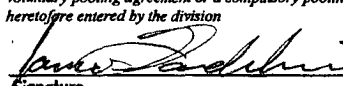
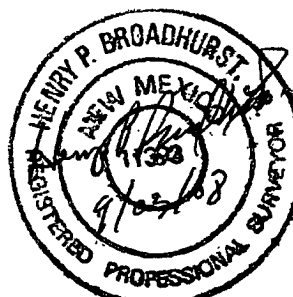
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	19	28-N	7-W		1075	NORTH	1730	WEST	RIO ARRIBA

<sup>11</sup> 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
G	19	28-N	7-W		2050	NORTH	2450	EAST	RIO ARRIBA

<sup>12</sup> Dedicated Acres 320.00	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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

<sup>16</sup> GLO 1914 N 89°44'24" E 2524.8' (M) N 89°59' E 2517.9' (R) 2619.1' (N) 2640.0' (R) 1730' WELL FLAG NAD 83 LAT: 36.651009° N LONG: 107.617474° W NAD 27 LAT: 36°39.060151' N LONG: 107°37.011918' W GLO 1914	<sup>17</sup> 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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division  Signature James Gardenhire Printed Name Regulatory Technician Title and E-mail Address 9/27/08 Date <sup>18</sup> 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. Date of Survey: 8/19/08 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393
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**COMPANY**  
**Charge Code**  
**WELL NAME**  
**DUAL WELL**  
**TRIPLE WELL**

BURLINGTON RESOURCES		
WAN.RFE.PD07.MK		
SAN JUAN 28 - 7 # 257 N	DATE	7/17/2008
WELL NAME		
WELL NAME		

**COORDINATES**

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
G 19	28 N	7 W	36.647995 N	107.613688 W

**COUNTY**

RIO ARRIBA
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RECTIFIER  
SOLAR  
GROUND BED  
240 V METER POLE  
480 V METER POLE  
D C CABLES  
A C CABLES  
PRIMARY POWER  
DISTANCE TO POWER  
UNDERGROUND  
PUMPJACK  
WATER PUMP  
COMPRESSOR  
RTU  
SAMS  
TANKS

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	X			
	X			
# 8	200'			
# 8	1200'			
			JEMEZ	
			.35 MILES	

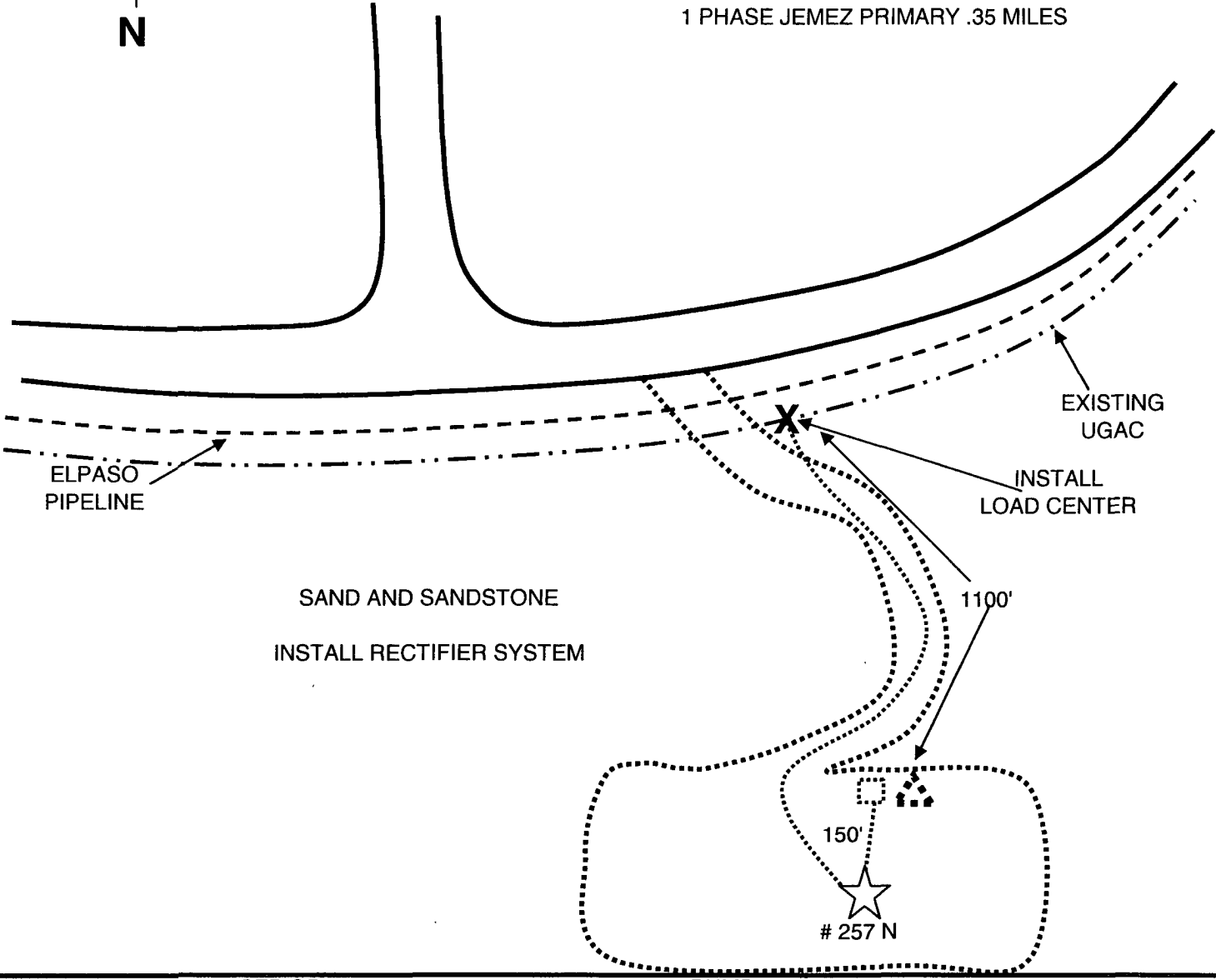
**COMMENTS**

1 PHASE JEMEZ PRIMARY .35 MILES
INSTALL SINGLE WELL RECTIFIER SYSTEM
SAND AND SANDSTONE
INSTALL LOAD CENTER
PLOW UGAC 1100'

WELL NAME	SAN JUAN 28 - 7 # 257 N
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1 PHASE JEMEZ PRIMARY .35 MILES



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		

## **CONOCOPHILLIPS COMPANY**

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**SAN JUAN 28-7 UNIT #257N**

**2170' FNL, 2305' FEL**

**SECTION 19, T-28-N, R-7-W, N.M.P.M.**

**RIO ARRIBA COUNTY, NEW MEXICO**

**NAD 83 LAT: 36.647995°N LONG.: 107.613688°W**

**ELEV: 6751 NAVD88**

**NEW ACCESS ROAD 1098.4'**

**From Bloomfield, New Mexico at the intersection of Hwy 550 and Hwy 64:**

- **GO: 17.7 miles east on Hwy 64 at approximately mile post 82.2 to Manzanares Mesa "Ridge Road". (Rio Arriba CR #520) Turn right (south).**
- **GO: 8.4 Miles southeasterly (crossing cattle guard "Ridge Road #2" at 0.8 miles, crossing cattle guard "ridge road" #3 at 1.3 miles and crossing cattle guard "ridge road #4" at 6.5). Turn right (southwest) towards Prieta Mesa.**
- **GO: 4.4 Miles southwest along the top of "Prieta Mesa". Turn right at "Y" in road.**
- **GO: 0.7 miles south. Begin 1098.4' new access on left (south) side of road.**

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 257N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7495				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:	
<b>Primary Objective (Zones):</b>							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
<b>Location: Surface Datum Code: NAD 27</b>							
Latitude: 36.651002		Longitude: -107.616865		X:	Y:	Section: 19	Range: 007W
Footage X: 1730 FWL		Footage Y: 1075 FNL		Elevation: 6745 (FT)		Township: 028N	
Tolerance:							
<b>Location: Bottom Hole Datum Code: NAD 27</b>							
Latitude: 36.648326		Longitude: -107.613578		X:	Y:	Section: 19	Range: 007W
Footage X: 2450 FEL		Footage Y: 2050 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 = 6760 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6560	<input type="checkbox"/>			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 159 cubic ft. Circulate cement to surface.	
OJO ALAMO	2435	4325	<input type="checkbox"/>				
KIRTLAND	2549	4211	<input type="checkbox"/>				
FRUITLAND	2934	3826	<input type="checkbox"/>			Possible Gas	
PICTURED CLIFFS	3360	3400	<input type="checkbox"/>				
LEWIS	3480	3280	<input type="checkbox"/>				
HUERFANITO BENTONITE	3926	2834	<input type="checkbox"/>				
CHACRA	4276	2484	<input type="checkbox"/>				
Intermediate Casing	4300	2460	<input type="checkbox"/>			8-3/4" hole. 7", 23 ppf, J-55, LTC casing. Cement with 969 cubic ft. Circulate cement to surface.	
MASSIVE CLIFF HOUSE	4977	1783	<input type="checkbox"/>	450		Gas	
MENEFEE	5128	1632	<input type="checkbox"/>				
POINT LOOKOUT	5562	1198	<input type="checkbox"/>				
MANCOS	5978	782	<input type="checkbox"/>				
UPPER GALLUP	6757	3	<input type="checkbox"/>				
GREENHORN	7504	-744	<input type="checkbox"/>				
GRANEROS	7566	-806	<input type="checkbox"/>				
TWO WELLS	7604	-844	<input type="checkbox"/>	2700		Gas	
PAGUATE	7692	-932	<input type="checkbox"/>				
UPPER CUBERO	7730	-970	<input type="checkbox"/>				
LOWER CUBERO	7754	-994	<input type="checkbox"/>			Area has more water than in past - safer to perf high and frac down.	
ENCINAL	7822	-1062	<input type="checkbox"/>			TD 15 into Encinal with est bottom perf 20' from TD	

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 257N

DEVELOPMENT

Total Depth	7837	-1077	<input type="checkbox"/>	6-1/4" hole. 4-1/2", 11.6 ppf, J-55/L-80, LTC casing. Cement with 430 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	28-7 199M & 257 & 257F	section19 28-7

Logging Program:	
Intermediate Logs:	<input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo

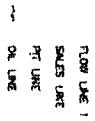
TD Logs:	<input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT <input checked="" type="checkbox"/> Other
no OH logs - mud log from 100' above Greenhorn to TD - loggers will call TD	

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

**ConocoPhillips or its affiliates**  
Planning Report

<b>Database:</b>	EDM Central Planning	<b>Local Co-ordinate Reference:</b>	Well SJ-28-7-#257N
<b>Company:</b>	ConocoPhillips SJB	<b>TVD Reference:</b>	RKB @ 6760.0ft (generic Aztec Rig)
<b>Project:</b>	San Juan Basin - New Mexico Wells	<b>MD Reference:</b>	RKB @ 6760.0ft (generic Aztec Rig)
<b>Site:</b>	San Juan 28 Wells	<b>North Reference:</b>	True
<b>Well:</b>	SJ 28-7-#257N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Principal		
<b>Design:</b>	Planned		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,569.0	2,435.0	Ojo		0.00		
2,695.4	2,549.0	Kirtland		0.00		
3,122.1	2,934.0	Fruitland		0.00		
3,594.3	3,360.0	Pictured Cliffs		0.00		
3,727.3	3,480.0	Lewis		0.00		
4,198.4	3,926.0	Huerfano Bentonite		0.00		
4,550.8	4,276.0	Chacra		0.00		
5,251.8	4,977.0	Upper Cliffhouse		0.00		
5,251.8	4,977.0	Mass Cliffhouse		0.00		
5,402.8	5,128.0	Menefee		0.00		
5,836.8	5,562.0	Point Lookout		0.00		
6,252.8	5,978.0	Mancos		0.00		
7,031.8	6,757.0	Upper Gallup		0.00		
7,778.8	7,504.0	Greenhorn		0.00		
7,840.8	7,566.0	Graneros		0.00		
7,878.8	7,604.0	Two Wells		0.00		
7,966.8	7,692.0	Paguate		0.00		
8,004.8	7,730.0	Upper Cubero		0.00		
8,028.8	7,754.0	Lower Cubero		0.00		
8,096.8	7,822.0	Encinal		0.00		



**SHEET 1 OF 5**

[illegible]