

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

JUN 05 2009

1a. Type of Work DRILL	5. Lease Number NM-03560 Unit Reporting Number Bureau of Land Management Farmington Field Office	
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 RCVD MAR 9 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Surface: Unit G(SWNE), 1880' FNL & 1775' FEL Bottomhole: Unit H(SENE), 1980' FNL & 710' FEL Surface: Latitude: 36.545968° N (NAD 83) Longitude: 107.595627° W Bottomhole: Latitude: 36.545686° N (NAD 83) Longitude: 107.592002° W	10. Field, Pool, Wildcat Basin DK/Blanco MV/Otero Chacra 11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 29, T27N, R7W API # 30-039-30773	
14. Distance in Miles from Nearest Town 28.8 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1775'	17. Acres Assigned to Well CH NE/4 160; MV E/2 320; DK N/2 320	
16. Acres in Lease 1,281.44		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 71.6' from San Juan 28-7 Unit 98 (MV/DK)		
19. Proposed Depth 7417'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6566' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Tracey N. Monroe (Staff Regulatory Technician)	Date June 5, 2009	

PERMIT NO. APPROVAL DATE
APPROVED BY [Signature] TITLE AFM DATE 3/4/2010

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

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4
DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

Bond Numbers ES-0048 and ES-0085

NMOC

for Directional Survey
and "As Drilled" plat

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

MAR 11 2010

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

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOC FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOC PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 98P

DEVELOPMENT

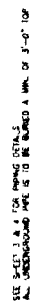
Lease:		AFE #: WAN.CDR.8490				AFE \$: 1,749,610.39	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
RCO004	CHACRA(RCO004)						
Location: Datum Code: NAD 27							
Latitude: 36.545959	Longitude: -107.595019	X:	Y:	Section: 29	Range: 007W		
Footage X: 1775 FEL	Footage Y: 1880 FNL	Elevation: 6566	(FT)	Township: 027N			
Tolerance:							
Location: Datum Code: NAD 27							
Latitude: 36.545677	Longitude: -107.591394	X:	Y:	Section: 29	Range: 007W		
Footage X: 710 FEL	Footage Y: 1980 FNL	Elevation:	(FT)	Township: 027N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6581 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6381	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.	
NACIMIENTO	561	6020	☐				
OJO ALAMO	2086	4495	☐				
KIRTLAND	2231	4350	☐				
FRUITLAND	2481	4100	☐			Possible Gas	
PICTURED CLIFFS	2898	3683	☐				
LEWIS	3016	3565	☐				
HUERFANITO BENTONITE	3341	3240	☐				
CHACRA	3791	2790	☐				
MASSIVE CLIFF HOUSE	4566	2015	☐	230		Gas	
MENEFEE	4596	1985	☐				
Intermediate Casing	4746	1835	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1108 cuft. Circulate cement to surface.	
POINT LOOKOUT	5159	1422	☐				
MANCOS	5504	1077	☐				
UPPER GALLUP	6316	265	☐				
GREENHORN	7104	-523	☐				
GRANEROS	7164	-583	☐				
TWO WELLS	7218	-637	☐	3015		Gas	
UPPER CUBERO	7321	-740	☐				
LOWER CUBERO	7347	-766	☐				
Total Depth	7417	-836	☐			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 368 cuft. Circulate cement a minimum of 100' inside the previous casing string.	

ConocoPhillips or its affiliates Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #98P
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6581.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6581.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 #98P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
7,587.2	7,417.0	Prod	4-1/2	6-1/4	
200.0	200.0	Surf	9-5/8	12-1/4	
4,292.8	4,122.6	Int	7	8-3/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,736.2	4,566.0	Massive Cliffhouse		0.00		
3,018.8	2,898.0	Pictured Cliffs		0.00		
2,155.7	2,086.0	Ojo Alamo		0.00		
4,766.2	4,596.0	Menefee		0.00		
5,674.2	5,504.0	Mancos Shale		0.00		
2,309.8	2,231.0	Kirtland		0.00		
5,329.2	5,159.0	Point Lookout		0.00		
7,334.2	7,164.0	Graneros		0.00		
7,274.2	7,104.0	Greenhorn		0.00		
3,489.7	3,341.0	Huerf Bent		0.00		
561.3	561.0	Nacimiento		0.00		
2,575.5	2,481.0	Fruitland		0.00		
7,517.2	7,347.0	Lower Cubero		0.00		
7,491.2	7,321.0	Upper Cubero		0.00		
3,959.5	3,791.0	Chacra		0.00		
7,388.2	7,218.0	Two Wells		0.00		
3,144.2	3,016.0	Lewis		0.00		
6,486.2	6,316.0	Gallup		0.00		



Sigil : 85

[illegible]

CONOCOPHILLIPS COMPANY

SAN JUAN 28-7 UNIT #98P

1880' FNL, 1775' FEL

SECTION 29, T-27-N, R-7-W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.545968°N LONG.: 107.595627°W

ELEV.: 6566 NAVD88

NO NEW ACCESS ROAD

FROM BLANCO, N.M. POST OFFICE:

- GO EAST ON HWY. 64 1.3 MI. TO MILE POST 75.
- TURN RIGHT ON C.R. 4450 (LARGO CANYON) & CONTINUE 8.6 MI. TO "10 MILE BRIDGE". TURN RIGHT TO CROSS CARRIZO WASH.
- TURN LEFT AFTER CROSSING WASH & CONTINUE SOUTHEAST ON MAIN ROAD.
- GO 4.0 MI. FROM "10 MILE BRIDGE" & FOLLOW MAIN ROAD TO THE RIGHT INTO "STOVE CANYON & GOULD PASS". CONTINUE UP GOULD PASS AT 7.8 MI. FROM BRIDGE, ON TOP OF PASS.
- TURN RIGHT, CROSSING CATTLE GUARD & TRAVEL SOUTHERLY DOWN "NAKED LADY HILL".
- GO 1.4 MI. TO "Y" IN ROAD, TURN LEFT, TRAVELING EAST ON C.R. 500.
- GO EAST 2.8 MI. AND TURN RIGHT AT PIGGING STATION.
- GO 2.6 MI. SOUTHWEST. TURN RIGHT.
- GO 0.3 MI. NORTH TO EXISTING LOCATION FOR SJ 28-7 #98. NEW WELL IS STAKED AS A TWIN HERE.