

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK AUG 26 2009

1a. Type of Work DRILL	5. Lease Number NM-03521	
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 OIL CONS. DIV. DIST. 3 RCVD MAR 16 '10	
4. Location of Well Surface: Unit D(NWNW), 1130' FNL & 925' FWL Bottomhole: Unit F(SENW), 1715' FNL & 1715' FWL Surface: Latitude: 36.562543° N (NAD 83) Longitude: 107.604272° W Bottomhole: Latitude: 36.560935° N (NAD 83) Longitude: 107.601591° W	10. Field, Pool, Wildcat Basin DK/Blanco MV/Otera CH 11. Sec., Twn, Rge, Mer. (NMPM) D Sec. 20, T27N, R7W API # 30-039-30808	
14. Distance in Miles from Nearest Town 21 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 925'		
16. Acres in Lease 640.00	 H ₂ S POTENTIAL EXIST	
17. Acres Assigned to Well MV/DK 320.00 (W/2) CH 160.00 (NW/4)		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 70' from San Juan 28-7 Unit 111M		
19. Proposed Depth 7460'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6540' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	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	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>8/26/2009</u>	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 3/11/2010

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

Bond Numbers ES-0048 and ES-0085

MAR 17 2010

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

to NMOC Hold C104
for Directional Survey
and "As Drilled" plat

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West 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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised October 12, 2005

RECEIVED

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
AUG 26 2009

Bureau of Land Management
Farmington Field Office
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-039-30808	71599/82329/72319	Basin Dakota/Otera Chacra/Blanco Mesaverde
Property Code	Property Name	Well Number
31739	SAN JUAN 28 - 7 UNIT	111N
OGRD No.	Operator Name	Elevation
217817	CONOCOPHILLIPS COMPANY	6540'

10 Surface Location

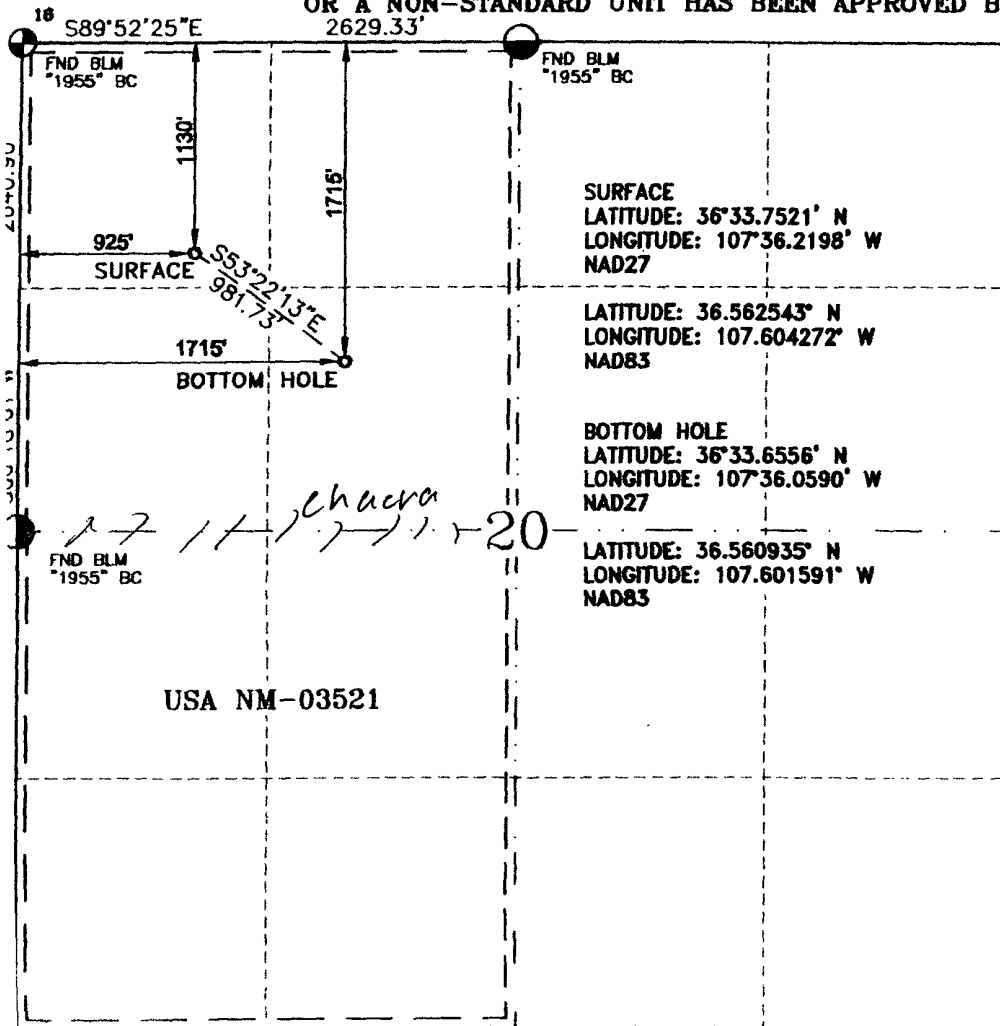
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	20	27-N	7-W		1130	NORTH	925	WEST	RIO ARRIBA

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	20	27-N	7-W		1715	NORTH	1715	WEST	RIO ARRIBA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
CHCRA 160.0 ACRES NW/4 MV/DK 320.00 ACRES W/2			

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



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 at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 4/16/09
Signature

Crystal Tafoya 4-16-09
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.

2-22-09
Date of Survey
Signature
GLEN W. RUSSELL
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR

Signature

Signature

Signature

Signature

Signature

Signature

Signature

Signature

Signature

Signature

Signature

Signature

Signature

Signature

Signature

Signature

Signature

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 111N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8311		AFE \$: 1,626,591.53	
Field Name: SAN JUAN		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
RCO212	CHACRA(RCO212)
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface		Datum Code: NAD 27		Direction:	
Latitude: 36.562534	Longitude: -107.603664	X:	Y:	Section: 20	Range: 007W
Footage X: 925 FWL	Footage Y: 1130 FNL	Elevation: 6540	(FT)	Township: 027N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD 27		Direction:	
Latitude: 36.560926	Longitude: -107.600983	X:	Y:	Section: 20	Range: 007W
Footage X: 1715 FWL	Footage Y: 1715 FNL	Elevation:	(FT)	Township: 027N	
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6555 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6355	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
NACIMIENTO	558	5997	☐			
OJO ALAMO	2062	4493	☐			
KIRTLAND	2230	4325	☐			
FRUITLAND	2497	4058	☐			Possible Gas
PICTURED CLIFFS	2927	3628	☐			
LEWIS	3055	3500	☐			
HUERFANITO BENTONITE	3260	3295	☐			
CHACRA	3837	2718	☐			
MASSIVE CLIFF HOUSE	4580	1975	☐	50		Gas
MENEFEE	4602	1953	☐			
Intermediate Casing	4752	1803	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1110 cuft. Circulate cement to surface.
POINT LOOKOUT	5187	1368	☐			
MANCOS	5552	1003	☐			
UPPER GALLUP	6357	198	☐			
GREENHORN	7135	-580	☐			
GRANEROS	7197	-642	☐			
TWO WELLS	7249	-694	☐	2713		Gas
UPPER CUBERO	7359	-804	☐			
LOWER CUBERO	7385	-830	☐			
Total Depth	7460	-905	☐			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 373 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 111N

DEVELOPMENT

ENCINAL 7460 -905 ☐

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. Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final 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 #111N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6555 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6555 0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 #111N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
200 0	200 0	Surf	9-5/8	12-1/4
4,926 5	4,752 0	Int	7	8-3/4
7,634 5	7,460 0	Prod	4-1/2	6-1/4

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,279 2	2,230 0	Kirtland		0 00		
2,569 7	2,497 0	Fruitland		0 00		
4,776 5	4,602 0	Menefee		0 00		
7,533 5	7,359 0	Upper Cubero		0 00		
4,009 9	3,837 0	Chacra		0 00		
6,531 5	6,357 0	Gallup		0 00		
3,037 5	2,927 0	Pictured Cliffs		0 00		
558 0	558 0	Nacimiento		0 00		
7,559 5	7,385 0	Lower Cubero		0 00		
5,361 5	5,187 0	Pt Lookout		0 00		
2,096 4	2,062 0	Ojo Alamo		0 00		
3,399 8	3,260 0	Huerf Bent		0 00		
7,423 5	7,249 0	Two Wells		0 00		
4,754 5	4,580 0	Massive Cliff House		0 00		
3,176 8	3,055 0	Lewis		0 00		
7,371 5	7,197 0	Graneros		0 00		
5,726 5	5,552 0	Mancos Shale		0 00		
7,309 5	7,135 0	Greenhorn		0 00		



17345

ConocoPhillips

CONOCO-PHILLIPS
HIGH PRESSURE 3 PHASE
FACILITY DIAGRAM - SITE LAYOUT

SAN JUAN BUSINESS UNIT

REV	DATE	BY	REASON

HPSPHASE-REV1

DATE	1/2
NAME	
ADDRESS	
CITY	
STATE	
ZIP	

Directions from the Post Office
in Blanco, NM
to
CONOCOPHILLIPS COMPANY
SAN JUAN 28-7 UNIT 111N
1130' FNL & 925' FWL,
Section 20, T27N, R7W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 33' 45.15685" N
Longitude: 107° 36' 15.38056" W
Nad 1983

Take Highway 64 East for 1.2 miles
Turn right (southerly) on CR 4450 for 3.7 miles,
Stay left at y-intersec (southeast) for 5.7 miles,
Turn right (southerly) 0.2 miles across wash,
Turn left (southeasterly) for 3.9 miles,
Continue (southerly) 3.4 miles to the top of Gould Pass,
Continue (easterly) 0.5 miles,
Turn right (southerly) 1.3 miles,
Turn left (easterly) 0.6 miles,
Turn right (southerly) 0.3 miles,
Turn left (southeasterly) 200' to newly staked location
Twinned on existing well pad, SAN JUAN 28-7 UNIT 111M.