

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 JUN 26 PM 4:11

1a. Type of Work DRILL	5. Lease Number SF-079289-A Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
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 9. Well Number #255M	
4. Location of Well Surf: Unit F (SENW), 1630' FNL & 1880' FWL BH: Unit N (SESW), 60' FSL & 1880' FWL Surf: Latitude 36° 38.9698 N Longitude 107° 33.7729 W BH: Latitude 36° 39.2483 N Longitude 107° 33.7742 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 22, T28N, R7W BH: Sec. 15, T28N, R7W API # 30-039-30288	
14. Distance in Miles from Nearest Town 24 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 60'		
16. Acres in Lease 1252.8	17. Acres Assigned to Well MV-DK 320 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 180' from San Juan 28-7 Unit 220M		
19. Proposed Depth 7971' (TVD)/8348' (TMD)	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6805' GL	22. Approx. Date Work will Start RCVD JUL 26 '07 OIL CONS. DIV. DIST. 3 6-26-07 Date	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Rhonda Rogers (Regulatory Technician)		

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

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

08-01-07 NMOC

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

Test BOPE minimum 750 psi

HOLD ON FOR DIRECTIONAL SURVEY

has drilled
6102 for BNL

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

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30288	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 31739	*Property Name SAN JUAN 28-7 UNIT	*Well Number 255M
*GRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 6805'

¹⁰ Surface Location

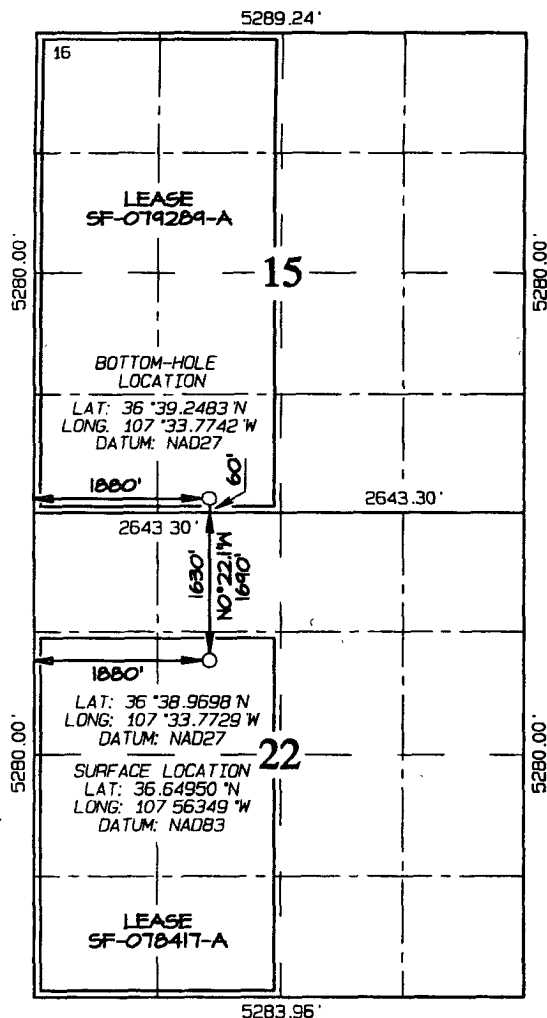
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	22	28N	7W		1630	NORTH	1880	WEST	RIO ARriba

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
N	15	28N	7W		60	SOUTH	1880	WEST	RIO ARriba

¹² Dedicated Acres 320.0 Acres - (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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



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 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.

Rhonda Rogers 7-6-06
Signature Date

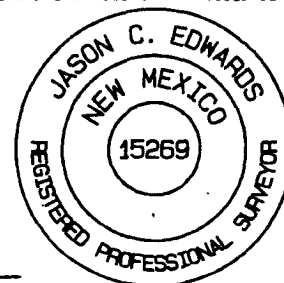
Rhonda Rogers
Printed Name

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

Date Revised: FEBRUARY 20, 2007
Date of Survey: JULY 6, 2006

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

District I

Energy, Minerals and Natural Resources

May 27, 2004

1625 N French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-039- 30288	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. Federal Lease SF-079289-A	
7. Lease Name or Unit Agreement Name San Juan 28-7 Unit	
8. Well Number #255M	
9. OGRID Number 217817	
10. Pool name or Wildcat Blanco MV/Basin DK	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator
ConocoPhillips

3. Address of Operator
3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location
Unit Letter F : 1630' feet from the North line and 1880' feet from the West line
Section 22 Township 28N Rng 7W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6805'

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type New Drill Depth to Groundwater >100 Distance from nearest fresh water well >1000' Distance from nearest surface water >1000'

Pit Liner Thickness: NA mil Below-Grade Tank: Volume bbls; Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: New Drill <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, Unlined:

ConocoPhillips proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on ConocoPhillips' interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be unlined pits as detailed in ConocoPhillips' General Plan dated June 2005 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids and that portion will be unlined as per the risk ranking criteria. ConocoPhillips anticipates closing these pits according to the November 1, 2004 Guidelines.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Rhonda Rogers TITLE Regulatory Technician DATE 6-26-07

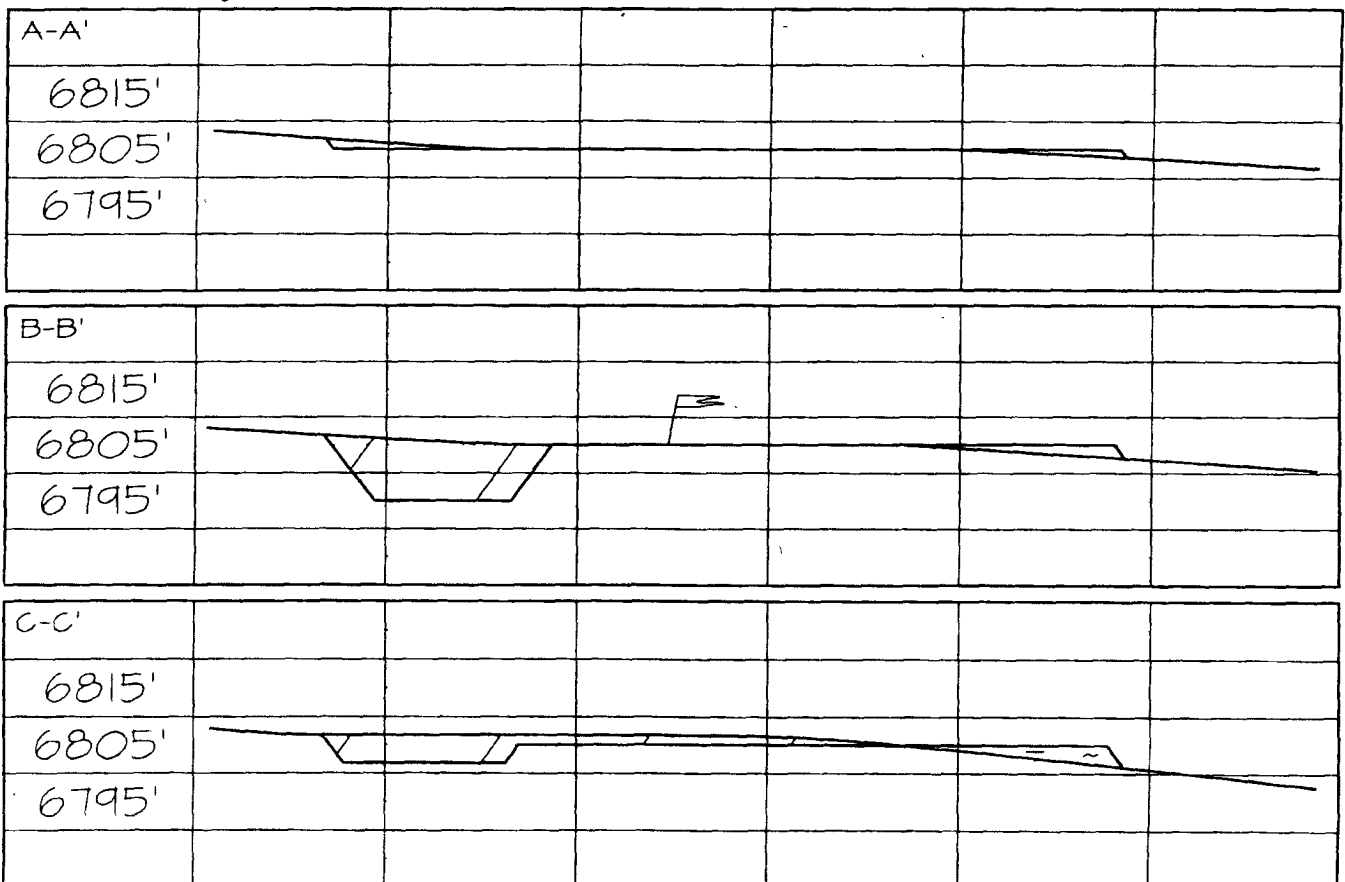
Type or print name Rhonda Rogers E-mail address: rogerrs@conocophillips.com Telephone No. 505-599-4018

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector DATE AUG 01 2007

Conditions of Approval (if any): District #3

LATITUDE: 36.64950° N
LONGITUDE: 107.56349° W
DATUM NAD1983



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 255M

DEVELOPMENT

Lease:		AFE #: WAN CNV 7178 PH 2-42		AFE \$:	
Field Name: 28-7		Rig: Aztec Rig 711		State: NM County: RIO ARRIBA	
Geologist:		Phone:		Geophysicist: ED Phone:	
Geoscientist: Glaser, Terry J		Phone: (832)486-2332		Prod. Engineer: Fontenot, Jessie C Phone: +1 832-486-3483	
Res. Engineer: Johnson, Tom B.		Phone: (832)-486-2347		Proj. Field Lead: Fransen, Eric E. Phone:	
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
R20076	DAKOTA(R20076)				

Location: Surface		Datum Code: NAD 27		Deviated	
Latitude: 36.649492	Longitude: -107.562883	X:	Y:	Section: 22	Range: 007W
Footage X: 1880 FWL	Footage Y: 1630 FNL	Elevation: 6805	(FT)	Township: 028N	

Location: Bottom Hole		Datum Code: NAD 27		Deviated	
Latitude: 36.656170	Longitude: -107.561810	X:	Y:	Section: 15	Range: 007W
Footage X: 1880 FWL	Footage Y: 60 FSL	Elevation:	(FT)	Township: 028N	

Location Type: Year Round		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6819 Units = FT							

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	200	6619	<input type="checkbox"/>			12-1/4" hole, 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 203 cuft. Circulate Cmt to surface.
NCMT	1434	5385	<input type="checkbox"/>			
OJAM	2647	4172	<input type="checkbox"/>			Possible water flows.
KRLD	2744	4075	<input type="checkbox"/>			
FRLD	3054	3765	<input type="checkbox"/>			Possible gas.
PCCF	3475	3344	<input type="checkbox"/>			
LEWS	3585	3234	<input type="checkbox"/>			
HUERFANITO BENTONITE	4085	2734	<input type="checkbox"/>			
Intermediate Casing	4300	2519	<input type="checkbox"/>			8 3/4" hole. 7" 20 ppf J-55, STC casing. Circulate cement to surface. Cement with 1044 cu.ft.
CHRA	4454	2365	<input type="checkbox"/>			
UCLFH	5029	1790	<input type="checkbox"/>			Gas; possibly wet
MASSIVE CLIFF HOUSE	5128	1691	<input type="checkbox"/>			Gas; possibly wet
MENF	5276	1543	<input type="checkbox"/>			Gas.
PTLK	5678	1141	<input type="checkbox"/>			Gas.
MANCOS	6158	661	<input type="checkbox"/>			
GLLP	6913	-94	<input type="checkbox"/>			Gas. Possibly wet.
GRHN	7649	-830	<input type="checkbox"/>			Gas possible, highly fractured
GRANEROS	7715	-896	<input type="checkbox"/>			
TWLS	7753	-934	<input type="checkbox"/>			Gas
CBBO	7869	-1050	<input type="checkbox"/>			Gas
CBRL	7898	-1079	<input type="checkbox"/>			
ENCINAL	7961	-1142	<input type="checkbox"/>			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 255M

DEVELOPMENT

TOTAL DEPTH DK 7971 -1152 ☐ 2500 6-1/4" Hole. 4-1/2", 10.5/11.6 ppf, J-55 STC/LTC casing. Cement with 501 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells		
Reference Type	Well Name	Comments
Production	28-7 #220M	NW 22-28N-7W
Production	28-7 #159M	NE 22-28N-7W On Strike
Production	28-7 #255E	SE 15-28N-7W

Logging Program:
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
Mudlog from 100' above GRHN to TD - mudlogger will call TD. GR_CBL

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

Comments: Location/Tops/Logging - Surface loc changed to accommodate a 4 well pad. Surf will be near the #220M (1,490 FNL 1,800 FWL) Sec 22. BHL is in Sec 15. DK 28N07W15SW2 MVNM028N007W15SW2 Same Prog tops as 28-7 #159G

Zones - This is part of a 4 well pad drill. Surface was moved to a location NEAR the existing #220M (1,490 FNL 1,800 FWL) Section 22 (BHL is in Section 15). Pad will need to be the right size/shape to accommodate a 4 well pad. Make sure there's enough room. DK 28N07W15SW2 MVNM028N007W15SW2

ConocoPhillips

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 28-7 #255M
Project:	San Juan Basin	TVD Reference:	WELL @ 6820.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6820.0ft (Original Well Elev)
Well:	SJ 28-7 #255M	North Reference:	True
Wellbore:	SJ 28-7 #255M	Survey Calculation Method:	Minimum Curvature
Design:	SJ 28-7 #255M	Database:	EDM Central Planning

Targets

Target Name

hit/miss target Shape	Dip Angle (d)	Dip Dir (d)	TVD (ft)	+N/-S ft	+E/-W ft	Northing (m)	Easting (m)	Latitude	Longitude
SJ 28-7 #255M - ICP - plan hits target - Point	0.00	0.00	4,300.0	1,690.0	0.0	515.16	7.39	30° 59' 41.239" N	109° 25' 44.094" W
SJ 28-7 #255M - PCP - plan hits target - Point	0.00	0.00	7,971.0	1,690.0	0.0	515.16	7.39	30° 59' 41.239" N	109° 25' 44.094" W

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
1,499.0	1,434.0	Nacimiento		0.00	
2,899.8	2,647.0	Ojo Alamo		0.00	
3,011.8	2,744.0	Kirtland		0.00	
3,369.8	3,054.0	Fruitland		0.00	
3,852.9	3,475.0	Pictured Cliffs		0.00	
3,973.1	3,585.0	Lewis		0.00	
4,490.5	4,085.0	Huerfano Bentonite		0.00	
4,859.9	4,454.0	Chacra		0.00	
5,434.9	5,029.0	Cliffhouse		0.00	
5,533.9	5,128.0	Mass. Cliffhouse		0.00	
5,681.9	5,276.0	Menefee		0.00	
6,083.9	5,878.0	Pt. Lookout		0.00	
6,563.9	6,158.0	Mancos Shale		0.00	
7,318.9	6,913.0	Gallup		0.00	
8,054.9	7,649.0	Greenhorn		0.00	
8,120.9	7,715.0	Graneros		0.00	
8,158.9	7,753.0	Two Wells		0.00	
8,274.9	7,869.0	Upper Cubero		0.00	
8,303.9	7,898.0	Lower Cubero		0.00	
8,366.9	7,961.0	Encinal		0.00	
8,376.9	7,971.0	TD		0.00	

Checked By: _____ Approved By: _____ Date: _____