

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD OCT 2 '07
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED SEP 25 2007 Bureau of Land Management Farmington Field Office	5. Lease Number SF-079290-A
1b. Type of Well GAS		6. If Indian, All. or Tribe NMNM-7843C-DK NMNM-78415A-MV
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	
4. Location of Well Surf: Unit I (NESE), 1395' FSL & 930' FEL, BH: Unit J (NWSE), 2500' FSL & 1500' FEL Surf: Latitude 36° 38.6023 N Longitude 107° 31.1072 W	9. Well Number #187M	
	10. Field, Pool, Wildcat Blanco MV/Basin DK	
	11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 24, T28N, R7W API # 30-039-30376	
14. Distance in Miles from Nearest Town 22 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 930'		
16. Acres in Lease 960	17. Acres Assigned to Well MV/DK 320 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 300' from San Juan 28-7 Unit 187E		
19. Proposed Depth 7452' TVD/7695' TMD	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6259' GL	22. Approx. Date Work will Start 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 9-29-07	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

Bond Numbers ES-0048 and ES-0085

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

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

NMOCD

OCT 18 2007

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

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

SEP 25 2007

Bureau of Land Management
Farmington Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-30370	Pool Code 72319 / 71599	Pool Name BLANCO MESAVERDE / BASIN DAKOTA
Property Code 31739	Property Name SAN JUAN 28-7 UNIT	Well Number 187M
GRID No 217817	Operator Name CONOCOPHILLIPS COMPANY	Elevation 6259'

10 Surface Location

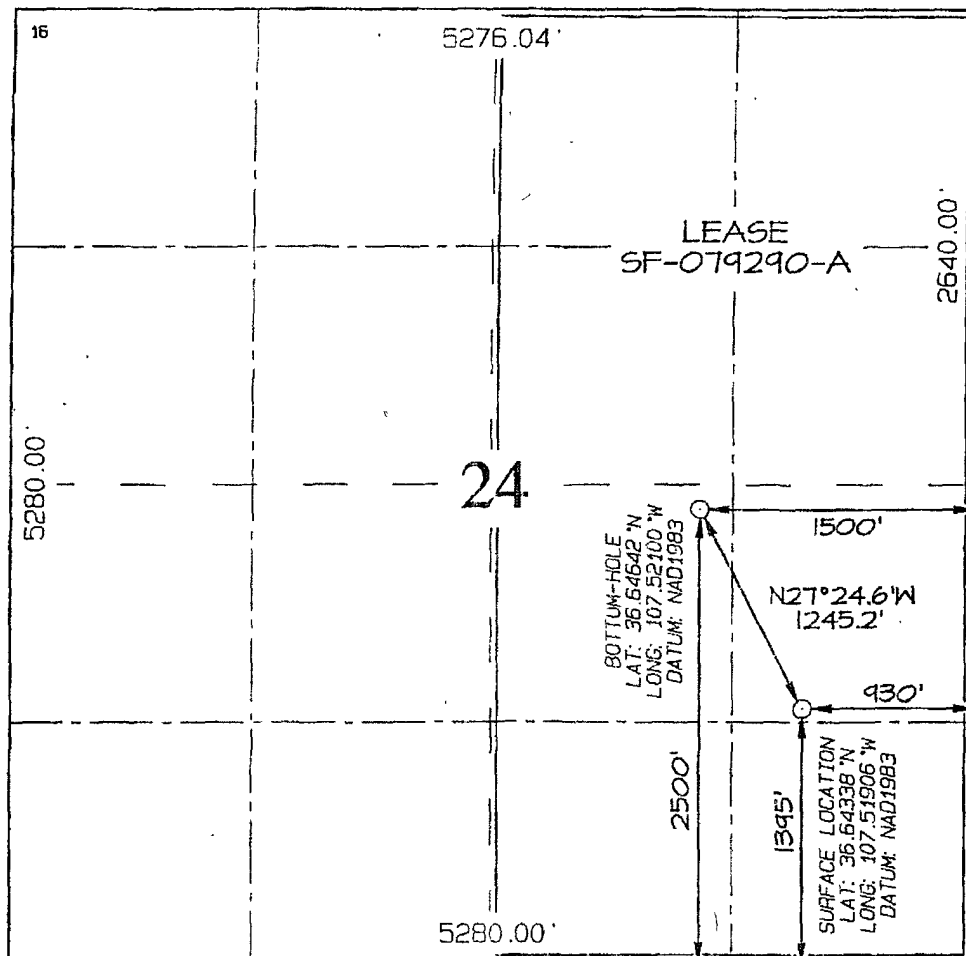
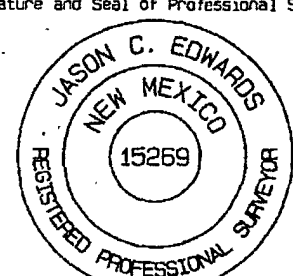
UL or lot no.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County
I	24	28N	7W		1395	SOUTH	930	EAST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County
J	24	28N	7W		2500	SOUTH	1500	EAST	RIO ARriba

12 Dedicated Acres	320.0 Acres - E/2 (MV) 320.0 Acres - E/2 (DK)	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. <i>Virgil E. Chavez</i> Signature Virgil E. Chavez Printed Name Projects & Operations Lead Title <i>August 30, 2006</i> Date
	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 of Survey: APRIL 18, 2006 Signature and Seal of Professional Surveyor  <i>JASON C. EDWARDS</i> Certificate Number 15269

District I
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

Energy, Minerals and Natural Resources

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

WELL API NO 30-039- 30374	
5. Indicate Type of Lease STATE ☐ FEE ☐	
6. State Oil & Gas Lease No Federal Lease SF-079290-A	
7. Lease Name or Unit Agreement Name San Juan 28-7 Unit	
8. Well Number #187M	
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 DEEPLN 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 1 : 1395' feet from the South line and 930' feet from the East line
Section 24 Township 28N Rng 7W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB RT, GR, etc)
6259'

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type New Drill Depth to Groundwater < 30 Distance from nearest fresh water well > 1000' Distance from nearest surface water < 100'

Pit Liner Thickness: 12 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 ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: New Drill ☒		OTHER ☐	

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, Lined:

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 lined pits as detailed in ConocoPhillips' General Plan dated June 2005 on file at the NMOCDD office. A portion of the vent/flare pit will be designed to manage fluids and that portion will be lined 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 NMOCDD guidelines ☐ a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Rhonda Rogers TITLE Regulatory Technician DATE 7-30-07
Type or print name Rhonda Rogers E-mail address: rogerr@conocophillips.com Telephone No. 505-599-4018

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE OCT 18 2007

Conditions of Approval (if any): Vulnerable area: depth to groundwater estimated < 20'; wellhead < 100' from Arroyo. No below grade pits or tanks

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 187M

DEVELOPMENT

Lease:		AFE #: WAN.CNV.6149		AFE \$:	
Field Name: 28-7		Rig: XXX 2009 Directional		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Glaser, Terry J		Phone: (832)486-2332		Prod. Engineer: Fontenot, Jessie C	
Res. Engineer: Johnson, Tom B.		Phone: (832)-486-2347		Proj. Field Lead: Shenfield, Wayne	
Phone:		Phone:		Phone: +1 832-486-3483	
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
R20076	DAKOTA(R20076)				
Location: Surface					
Datum Code: NAD 27		Deviated			
Latitude: 36.643372	Longitude: -107.518454	X: 592377.00	Y: 2053591.00	Section: 24	Range: 007W
Footage X: 930 FEL	Footage Y: 1395 FSL	Elevation: 6259 (FT)	Township: 028N		
Tolerance:					
Location: Bottom Hole					
Datum Code: NAD 27		Deviated			
Latitude: 36.646412	Longitude: -107.520394	X: 591804.00	Y: 2054696.00	Section: 24	Range: 007W
Footage X: 1500 FEL	Footage Y: 2500 FSL	Elevation: (FT)	Township: 028N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6273 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
SURFACE CSG	215	6058	☐		
NCMT	845	5428	☐		
OJAM	2105	4168	☐		
KRLD	2203	4070	☐		
FRLD	2806	3467	☐		
PCCF	3003	3270	☐		
LEWS	3052	3221	☐		
HURF	3584	2689	☐		
CHRA	3940	2333	☐		
Intermediate Casing	4040	2233	☐		
UCLFH	4540	1733	☐		
CLFH	4663	1610	☐		
MENF	4707	1566	☐		
PTLK	5157	1116	☐	400	
MNCS	5399	874	☐		
UPPER GLLP	6200	73	☐		
GRHN	7127	-854	☐	1700	
GRRS	7186	-913	☐		
TWLS	7225	-952	☐		
PAGU	7316	-1043	☐		
CBBO	7341	-1068	☐		
CBRL	7374	-1101	☐		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 187M

DEVELOPMENT

TD	7452	-1179	☐
TOTAL DEPTH DK	7452	-1179	☐

6-1/4" hole. 4-1/2", 11.6 ppf, L-80, LTC casing. Cement with 499 cu. ft. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	SAN JUAN 28-7 187E	24-28N-7W-SE, KB = 6262
Intermediate	SAN JUAN 28-7 51A	Induction/Gamma Ray Log, 24-28N-7W, SE
Intermediate	SJ 25-7 259F	24-28N-7W-NW, KB = 6801
Intermediate	SJ 28-7 187	24-28N-7W-NE, KB = 6585

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
	CBL/GR

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

Comments: Location/Tops/Logging - TD is 227' below TWLS (325' below GRHN), directional reach of 1245'

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #187M
Company:	ConocoPhillips Lower 48	TVD Reference:	Generic Rig RKB @ 6274.0ft (Generic Rig)
Project:	San Juan Basin	MD Reference:	Generic Rig RKB @ 6274.0ft (Generic Rig)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 28-7 #187M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 28-7 #187M		
Design:	APD Directional Plan		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)	
848.9	845.0	Nacimiento		0.00		
2,217.3	2,105.0	Ojo Alamo		0.00		
2,325.4	2,203.0	Kirtland		0.00		
2,990.4	2,806.0	Fruitland		0.00		
3,207.7	3,003.0	Pictured Cliffs		0.00		
3,261.7	3,052.0	Lewis		0.00		
3,824.1	3,584.0	Huerfanito Bentonite		0.00		
4,183.1	3,940.0	Chacra		0.00		
4,783.1	4,540.0	Upper Cliffhouse		0.00		
4,906.1	4,663.0	Mass Cliffhouse		0.00		
4,950.1	4,707.0	Menefee		0.00		
5,400.1	5,157.0	Pt Lookout		0.00		
5,642.1	5,399.0	Mancos Shale		0.00		
6,443.1	6,200.0	Gallup		0.00		
7,370.1	7,127.0	Greenhorn		0.00		
7,429.1	7,186.0	Graneros		0.00		
7,468.1	7,225.0	Two Wells		0.00		
7,559.1	7,316.0	Paguate		0.00		
7,584.1	7,341.0	Upper Cubero		0.00		
7,617.1	7,374.0	Lower Cubero		0.00		
7,695.1	7,452.0	TD		0.00		

CONOCOPHILLIPS COMPANY SAN JUAN 28-7 UNIT #187M
1395' FSL & 930' FEL, SECTION 24, T28N, R7W, NMPM
RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6259'

LATITUDE: 36.64338° N
LONGITUDE: 107.51906° W
 DATUM: NAD1983

PLAT NOTE:

SURFACE OWNER
 Bureau of Land
 Management

