

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD MAY18'07

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 MAR -8 PM 3:04

1a. Type of Work DRILL	5. Lease Number SF-080066 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips	7. Unit Agreement Name San Juan 30-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number #79M	
4. Location of Well Unit C (NENW), 660' FNL & 1600' FWL, Latitude 36° 50.8228 N Longitude 107° 23.0190 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPPM) Sec. 5, T30N, R5W API # 30-039-30224	
14. Distance in Miles from Nearest Town 19 miles/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 660'	17. Acres Assigned to Well DK 319 (N/2) - MV 319.64 (w/2)	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drig. Compl. or Applied for on this Lease 1180' from San Juan 30-5 214A		
19. Proposed Depth 8047'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6495' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Rhonda Rogers (Regulatory Technician)	3-8-07 Date	

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

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

NMOCDA

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

4/18/07

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

District II
PO Drawer DD, 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 207 MAR -8 PM 3:04
Santa Fe, NM 87504-2088

Form C-1
Revised February 21, 19
Instructions on ba
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RECEIVED

BLM
210 FARMINGTON NM

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30224		*Pool Code 72319 \ 71599		*Pool Name BLANCO MESAVERDE \ BASIN DAKOTA	
*Property Code 31327		*Property Name SAN JUAN 30-5 UNIT			*Well Number 79M
*OGRID No 217817		*Operator Name CONOCOPHILLIPS COMPANY			*Elevation 6495'

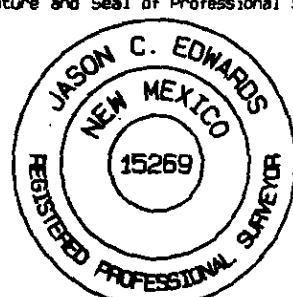
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	5	30N	5W		660	NORTH	1600	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
*Dedicated Acres 319.69 Acres - W/2 (MV) 319.00 Acres - N/2 (OK)					*Joint or Infill		*Consolidation Code		*Order No. DIST. 3

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

1305.48'	1600'	LOT 8	660'	LOT 7	5280.00'	LOT 5	LOT 5	1318.02'	1320.00'	1320.00'	1320.00'	1320.00'	1320.00'	5279.34'	2640.00'	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>October 11, 2006</i> Date
LEASE SF-080066														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: AUGUST 18, 2006 Signature and Seal of Professional Surveyor  <i>Jason C. Edwards</i> Certificate Number 15269		

State of New Mexico

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

May 27, 2004

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.)		WELL API NO. 30-039- <u>30224</u>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator ConocoPhillips Company		6. State Oil & Gas Lease No. Federal Lease SF-080066
3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402		7. Lease Name or Unit Agreement Name San Juan 30-5 Unit
4. Well Location Unit Letter <u>C</u> : <u>660'</u> feet from the <u>North</u> line and <u>1600'</u> feet from the <u>West</u> line Section <u>5</u> Township <u>30N.</u> Rng <u>5W</u> NMPM County <u>Rio Arriba</u>		8. Well Number #79M
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6495' GL		9. OGRID Number 217817
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		10. Pool name or Wildcat Basin DK / Blanco MV
Pit type <u>New Drill</u> Depth to Groundwater <u>> 100'</u> Distance from nearest fresh water well <u>> 1000'</u> Distance from nearest surface water <u>< 1000'</u>		
Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u>4400</u> bbls; Construction Material <u>Synthetic</u>		

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

NOTICE OF INTENTION TO:

 PERFORM REMEDIAL WORK ☐
 TEMPORARILY ABANDON ☐
 PULL OR ALTER CASING ☐

 PLUG AND ABANDON ☐
 CHANGE PLANS ☐
 MULTIPLE COMPL ☐

OTHER:

New Drill ☒

SUBSEQUENT REPORT OF:

 REMEDIAL WORK ☐
 COMMENCE DRILLING OPNS. ☐
 CASING/CEMENT JOB ☐

 ALTERING CASING ☐
 P AND A ☐
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/flame 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 NMOCD office. A portion of the vent/flame 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 NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

 SIGNATURE Juanita Farrell TITLE Regulatory Specialist DATE 11/24/2006

 Type or print name Juanita Farrell E-mail address: Telephone No. 505-326-9518
 For State Use Only

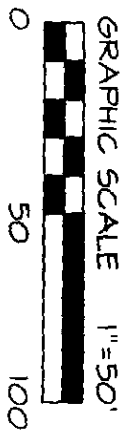
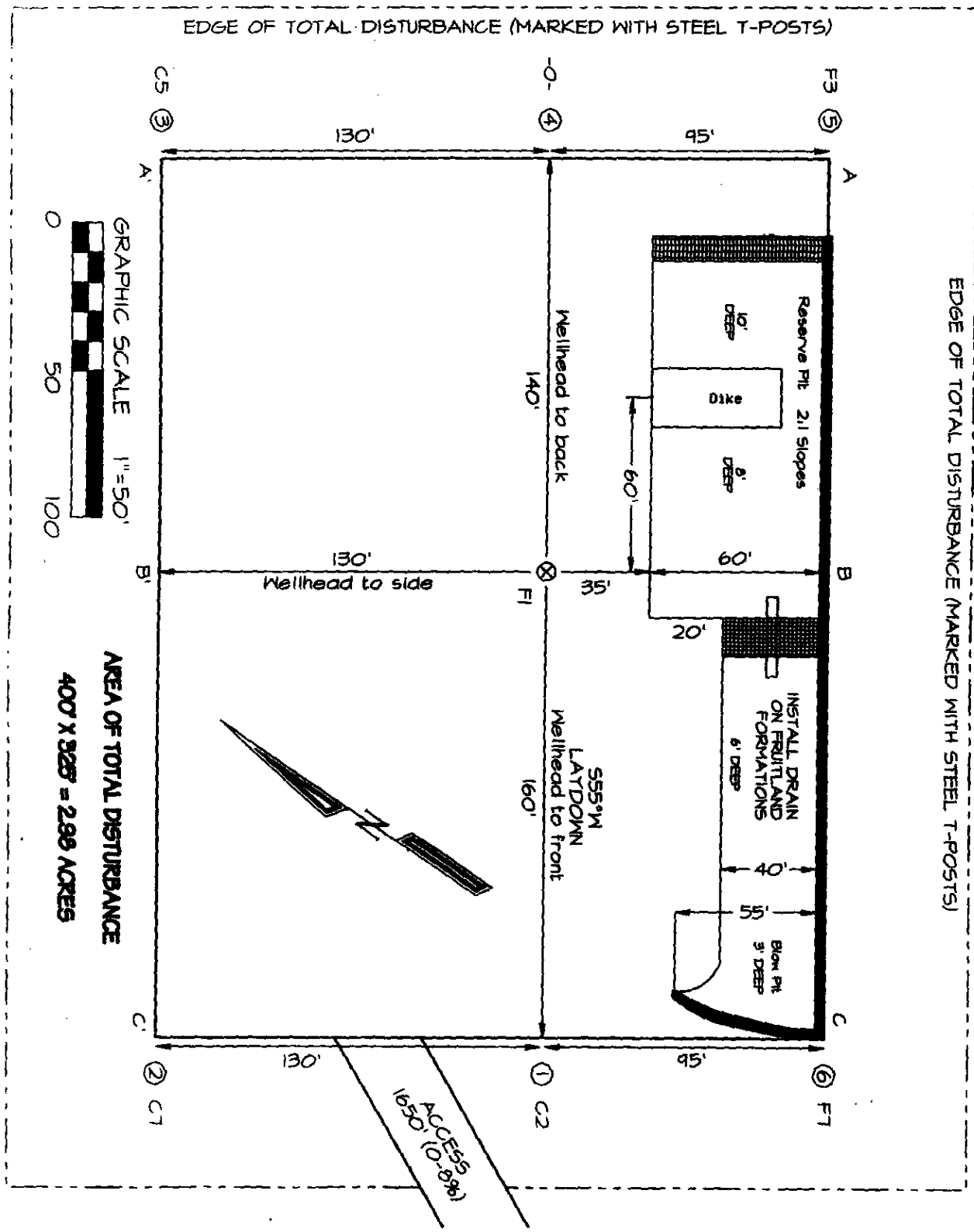
 APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE MAY 18 2007
 Conditions of Approval (if any):

~ SURFACE OWNER ~
Bureau of Land Management

LATITUDE: 36°50.8228'N
LONGITUDE: 107°23.0190'W
DATUM: NAD1927

CONOCOPHILLIPS COMPANY SAN JUAN 30-5 UNIT #79M
660' FNL & 1600' FWL, SECTION 5, T30N, R5W, NMPM
RIO ARKIBIA COUNTY, NEW MEXICO ELEVATION: 6495'

EDGE OF TOTAL DISTURBANCE (MARKED WITH STEEL T-POSTS)

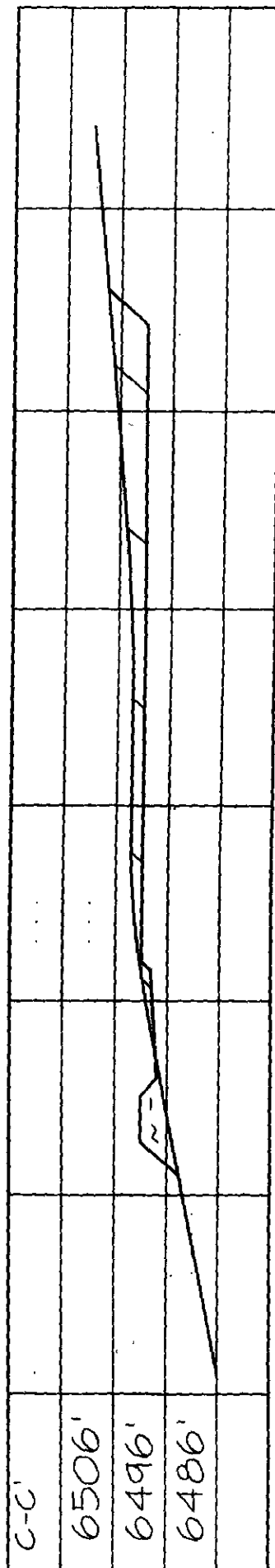


AREA OF TOTAL DISTURBANCE
400' X 325' = 2.88 ACRES

NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

VERTICAL SCALE 1"=30'



ANCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 79M

DEVELOPMENT

Lease:		AFE #: WAN.CNV.7143		AFE \$:	
Field Name: 30-5		Rig: Bearcat Rig 4		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer: Piotrowicz, Greg M.	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead: Fransen, Eric E.	
				Phone:	

Primary Objective (Zones):	
Zone	Zone Name
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

Location: Surface		Datum Code: NAD 22		Straight Hole	
Latitude: 36.847044	Longitude: -107.383648	X: 0.00	Y: 0.00	Section: 05	Range: 005W
Footage X: 1600 FWL	Footage Y: 660 FNL	Elevation: 6495	(FT)	Township: 030N	
Tolerance:					

Location Type: Summer Only	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6509	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	213	6296	<input type="checkbox"/>			13-1/2 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.
NCMT	1509	5000	<input type="checkbox"/>			
OJAM	2587	3922	<input type="checkbox"/>			Possible water flows.
KRLD	2726	3783	<input type="checkbox"/>			
FRLD	3145	3364	<input type="checkbox"/>			Possible gas.
PCCF	3490	3019	<input type="checkbox"/>			
LEWS	3588	2921	<input type="checkbox"/>			
Intermediate Casing	3688	2821	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 830 cuft. Circulate cement to surface.
HURF	4245	2264	<input type="checkbox"/>			
CHRA	4652	1857	<input type="checkbox"/>			
UCLFH	5244	1265	<input type="checkbox"/>			
CLFH	5479	1030	<input type="checkbox"/>			Gas; possibly wet
MENF	5522	987	<input type="checkbox"/>			Gas.
PTLK	5737	772	<input type="checkbox"/>			Gas.
MINCS	6199	310	<input type="checkbox"/>			
UPPER GLLP	7255	-746	<input type="checkbox"/>			Gas. Possibly wet.
GRHN	7737	-1228	<input type="checkbox"/>			Gas possible, highly fractured
GRRS	7776	-1267	<input type="checkbox"/>			
TWLS	7886	-1377	<input type="checkbox"/>			Gas
PAGU	7893	-1384	<input type="checkbox"/>			Gas. Highly Fractured.
CBBO	7899	-1390	<input type="checkbox"/>			Gas
CBRL	7949	-1440	<input type="checkbox"/>			
Total Depth	8047	-1538	<input type="checkbox"/>	1900		6-1/4" hole. 10.5/11.6 ppf J-55STC/LTC casing. Cement with 593 cuft. circulate cement a minimum of 100 ft

Reference Wells		
Reference Type	Well Name	Comments
Intermediate	Rosa Unit 24	32-31N-5W-SW, KB = 6530

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 79M

DEVELOPMENT

Intermediate	Rosa Unit 26A	32-31N-5W-SE, KB = 6509
Intermediate	SJ 30-5 80	6-30N-5W-NE, KB = 6505
Intermediate	SJ 30-5 60	5-30N-5W-NE, KB = 6483

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
CBL/GR							

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

Comments: Location/Tops/Logging - TD is 310' below GRHN DK 30N05W05NW1 AND MVNM030N005W05NW1

Zones - DK 30N05W05NW1 AND MVNM030N005W05NW1

General/Work Description - NO LEWIS