

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078498-A Unit Reporting Number NMNM-78413C-DK NMNM-78413AMV	
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 #224G	
4. Location of Well Surf: Unit H (SENE), 1375' FNL & 815' FEL, BH: Unit J (NWSE), 2405' FSL & 1495' FEL, Surf: Latitude 36° 38.1437 N Longitude 107° 34.3218 W BH: Latitude 36° 37.8808 N Longitude 107° 34.5428 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 28, T28N, R7W API # 30-039-30285	
14. Distance in Miles from Nearest Town 18 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 815'	17. Acres Assigned to Well MV/DK 320 (E/2)	
16. Acres in Lease	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 75' from San Juan 28-7 Unit 224	22. Approx. Date Work will Start RCVD JUL 23 '07 OIL CONS. DIV. DIST. 3	
19. Proposed Depth 7179' (TVD)/7530' (TMD)	24. Authorized by: Rhonda Rogers (Regulatory Technician) Date 6-25-07	

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".

7-24-07 BH
NMOCD NOTIFY AZTEC OGD 24 HRS.
PRIORITY TO CASING & CEMENT

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

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

OIL CONSERVATION DIVISION

1220 South St. Francis
Santa Fe, NM 87505

RECEIVED
BLM

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30285	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 31739	*Property Name SAN JUAN 28-7 UNIT	*Well Number 224G
*GRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 6085'

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
H	28	28N	7W		1375	NORTH	815	EAST	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
J	28	28N	7W		2405	SOUTH	1495	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.
---	-------------------------------	----------------------------------	-------------------------

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

5276.04'

16	5280.00'	28	5280.00'	1495'	5280.00'	1375'	815'	1635.2'	S24°14.8'W	1375'	LEASE SF 078498-A	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. Signature <u>Rhonda Rogers</u> Date <u>10/25/06</u> Printed Name <u>Rhonda Rogers</u>
5280.00'	5280.00'	2405'	5280.00'	1495'	5280.00'	1375'	815'	1635.2'	S24°14.8'W	1375'	LEASE SF 078498-A	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: <u>MAY 17, 2006</u> Signature and Seal of Professional Surveyor JASON C. EDWARDS NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 15269 JASON C. EDWARDS 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.

30-039-30285

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease SF-078498-A

7. Lease Name or Unit Agreement Name

San Juan 28-7 Unit

8. Well Number

#224G

9. OGRID Number

217817

10. Pool name or Wildcat

Blanco MV/Basin DK

SUNDY 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 H : 1375' feet from the North line and 815' feet from the East line
Section 28 Township 28N Rng 7W NMPM County Rio Arriba

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

6085'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

<50

Distance from nearest fresh water well

>1000'

Distance from nearest surface water

<200

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:

PERFORM REMEDIAL WORK

☐

PLUG AND ABANDON

☐

TEMPORARILY ABANDON

☐

CHANGE PLANS

☐

PULL OR ALTER CASING

☐

MULTIPLE COMPL

☐

OTHER:

New Drill

☒

REMEDIAL WORK

☐

COMMENCE DRILLING OPNS.

☐

CASING/CEMENT JOB

☐

OTHER:

☐

SUBSEQUENT REPORT OF:

ALTERING CASING

☐

P AND A

☐

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 NMOCD 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 NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

TITLE

Regulatory Technician

DATE

6-22-07

Type or print name

Rhonda Rogers

E-mail address:

rogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,
District #3

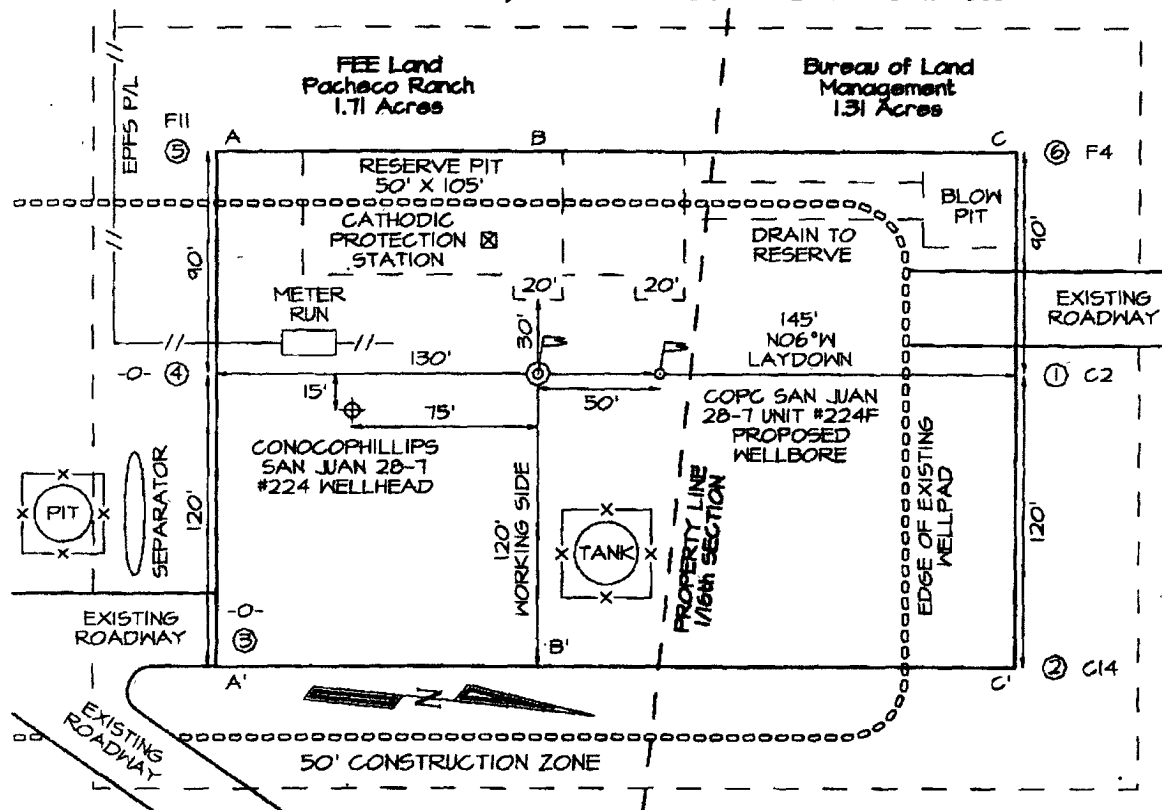
DATE

JUL 24 2007

Conditions of Approval (if any):

LATITUDE: 36.63574° N
LONGITUDE: 107.57264° W

DATE: 10/10/83
DATIM NAD1983



PLAT NOTE:

SURFACE OWNERS
Bureau of Land
Management & FEE

A-A'							
6095'							
6085'							
6075'							

B-B'							
6095'							
6085'							
6075'							

C-C'										
6095'										
6085'										
6075'										

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 224G

DEVELOPMENT

Lease:		AFE #: WAN.CNV.6153		AFE \$:	
Field Name: 28-7		Rig: Aztec Rig 730		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: Fransen, Eric E.	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

Location: Surface		Datum Code: NAD 27		Deviated	
Latitude: 36.635732	Longitude: -107.572032	X: 576666.00	Y: 2050762.00	Section: 28	Range: 007W
Footage X: 815 FEL	Footage Y: 1375 FNL	Elevation: 6085	(FT)	Township: 028N	

Tolerance:

Location: Bottom Hole		Datum Code: NAD 27		Deviated	
Latitude: 36.631638	Longitude: -107.574333	X: 575995.38	Y: 2049270.40	Section: 28	Range: 007W
Footage X: 1495 FEL	Footage Y: 2405 FSL	Elevation:	(FT)	Township: 028N	

Tolerance:

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
---------------------------	--------------------	------------------	--------------------

Formation Data: Assume KB = 6101 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	200	5901	☐			12-1/4" hole, 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 188 cuft. Circulate Cmt to surface.
NCMT	450	5651	☐			
OJAM	1850	4251	☐			Possible water flows.
KRLD	1948	4153	☐			
FRLD	2404	3697	☐			Possible gas.
PCCF	2716	3385	☐			
LEWS	2816	3285	☐			
HURF	3425	2676	☐			
CHRA	3643	2458	☐			
UCLFH	4340	1761	☐			
CLFH	4459	1642	☐			Gas; possibly wet
MENF	4475	1626	☐			Gas.
Intermediate Casing	4600	1501	☐			8 3/4" hole. 7" 20 ppf J-55, STC casing. Circulate cement to surface. Cement with 1106 cu.ft.
PTLK	4915	1186	☐			Gas.
MNCS	5458	643	☐			
UPPER GLLP	6056	45	☐			Gas. Possibly wet.
GRHN	6849	-748	☐			Gas possible, highly fractured
GRRS	6908	-807	☐			
TWLS	6946	-845	☐			Gas
PAGU	7010	-909	☐			Gas. Highly Fractured.
CBRO	7070	-969	☐			Gas
CBRL	7096	-995	☐			

23 ppf L-80

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 224G

DEVELOPMENT

TD	7179	-1078	☐	2200	6-1/4" Hole. 4-1/2", 10.5/11.6 ppf, J-55 STC/LTC casing. Cement with 356 cuft. Circulate cement a minimum of 100' inside the previous casing string.
----	------	-------	--------------------------	------	--

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	SJ 28-7 135	27-28N-7W-SW, KB = 6180
Intermediate	SJ 28-7 224	28-28N-7W-NE, KB = 6094
Intermediate	SJ 28-7 193	28-28N-7W-SW, KB = 6701
Intermediate	SJ 28-7 193M	28-28N-7W-NW, KB = 6160

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
GR/CBL	
Mudlog to TD from 100' above Greenhorn - logger will call TD.	

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

Comments: Location/Tops/Logging - TD is 330' below GRHN, REACH = 1635.2', Azimuth = 205 degrees MVNM028N007W28SE2 DK
 28N07W28SE2

ConocoPhillips or its affiliates

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 28-7 #224G
Project:	San Juan Basin	TVD Reference:	WELL @ 6100.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK we	MD Reference:	WELL @ 6100.0ft (Original Well Elev)
Well:	SJ 28-7 #224G	North Reference:	True
Wellbore:	SJ 28-7 #224G	Survey Calculation Method:	Minimum Curvature
Design:	SJ 28-7 #224G	Database:	EDM Central Planning

Planned Survey

Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (d/100ft)	Build Rate (d/100ft)	Turn Rate (d/100ft)
7,529.7	0.00	0.00	7,179.0	-1,500.0	-680.0	1,646.9	0.00	0.00	0.00
TD - SJ 28-7 #224G - PCP									

Targets

Target Name	hit/miss target	Dip Angle (d)	Dip Dir. (d)	TVD (ft)	+N/-S ft	+E/-W ft	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 28-7 #224G - PC	- plan hits target - Point	0.00	0.00	7,179.0	-1,500.0	-680.0	-1,490.39	-701.58	30° 59' 09.666" N	109° 25' 51.905" W
SJ 28-7 #224G - ICF	- plan hits target - Point	0.00	0.00	4,600.0	-1,500.0	-680.0	-1,490.39	-701.58	30° 59' 09.666" N	109° 25' 51.905" W

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
716.2	714.0	Nacimiento		0.00	
2,040.3	1,927.0	Ojo Alamo		0.00	
2,148.3	2,024.0	Kirtland		0.00	
2,493.4	2,334.0	Fruitland		0.00	
2,962.1	2,755.0	Pictured Cliffs		0.00	
3,084.6	2,865.0	Lewis		0.00	
3,641.2	3,365.0	Huerfano Bentonite		0.00	
4,052.0	3,734.0	Chacra		0.00	
4,658.6	4,309.0	Cliffhouse		0.00	
4,758.4	4,408.0	Mass. Cliffhouse		0.00	
4,906.7	4,556.0	Menefee		0.00	
5,308.7	4,958.0	Pt. Lookout		0.00	
5,788.7	5,438.0	Mancos Shale		0.00	
6,543.7	6,193.0	Gallup		0.00	
7,279.7	6,929.0	Greenhorn		0.00	
7,345.7	6,995.0	Graneros		0.00	
7,383.7	7,033.0	Two Wells		0.00	
7,499.7	7,149.0	Upper Cubero		0.00	
7,528.7	7,178.0	Lower Cubero		0.00	
7,529.7	7,179.0	TD		0.00	

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------