

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD SEP 4'07

OIL CONS. DIV.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

DIST. 3

1a. Type of Work DRILL	2007 AUG 2 PM 4 16	5. Lease Number NM-012735
1b. Type of Well GAS	RECEIVED 070 FARMINGTON NM	Unit Reporting Number NMNM-784213-DK 6. If Indian, All. or Tribe NMNM-78421A-MV
2. Operator ConocoPhillips		7. Unit Agreement Name San Juan 31-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number #8N
4. Location of Well Unit L (NWSW), 2155' FSL & 570' FWL, Unit E (SWNW), 2300' FNL & 660' FWL Surf: Latitude 36° 50.4142 N Longitude 107° 30.6430 W BH: Latitude 36° 50.5462 N Longitude 107° 30.6248 W		10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 6, T30N, R6W API # 30-039- 30311
14. Distance in Miles from Nearest Town	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 570'		
16. Acres in Lease	17. Acres Assigned to Well 319.85 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease		
19. Proposed Depth 7842' TVD/ 7957' TMD	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6281' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Rhonda Rogers (Regulatory Technician)	8-2-07 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

Bond Numbers ES-0048 and ES-0085

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

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

HOLD OFF FOR directional survey
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
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
Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

2007 AUG 2 2:00 PM
RECEIVED
FARMINGTON

RCVD SEP 4 '07
AMENDED REPORT

DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-3031	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 31328	*Property Name SAN JUAN 31-6 UNIT	*Well Number 8N
*GRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 6281'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idh	Feet from the	North/South line	Feet from the	East/West line	County
L	6	30N	6W		2155	SOUTH	570	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idh	Feet from the	North/South line	Feet from the	East/West line	County
E	6	30N	6W		2300	NORTH	660	WEST	RIO ARriba

12 Dedicated Acres 319.85 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

<p>LOT 11 LOT 10 LOT 9 LOT 8</p> <p>LEASE NM-012735</p> <p>BOTTOM-HOLE LAT: 36°50.5462' N LONG: 107°30.6248' W DATUM: NAD27</p> <p>SURFACE LOCATION LAT: 36°50.4142' N LONG: 107°30.6430' W DATUM: NAD27</p> <p>6</p> <p>5280.00'</p> <p>5285.28'</p> <p>1320.00'</p> <p>1310.10'</p> <p>1320.00'</p> <p>2640.00'</p> <p>2155'</p> <p>660'</p> <p>805.6'</p> <p>570'</p> <p>N06°07.4'E</p>	<p>17 OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Kandis Roland</i> 4/1/07 Signature Date</p> <p>Kandis Roland Printed Name</p> <p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey: APRIL 4, 2006</p> <p>Signature and Seal of Professional Surveyor</p> <p> JASON C. EDWARDS Certificate Number 15269</p>
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Submit 3 Copies To Appropriate District Office
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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

WELL API NO.	30-039- 30311
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal Lease NM-012735
7. Lease Name or Unit Agreement Name	San Juan 31-6 Unit
8. Well Number	#8N
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 **L** : **2155'** feet from the **South** line and **570'** feet from the **West** line.
Section **6** Township **30N** Rng **6W** NMPM County **Rio Arriba**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6281'

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:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
OTHER: **New Drill** ☒

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
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.

RCVD SEP 4 '07
OIL CONS. DIV.

New Drill, Lined:

DIST. 3

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 *Rhonda Rogers* TITLE Regulatory Technician DATE 8-2-07

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

For State Use Only

**Deputy Oil & Gas Inspector,
District #3**

APPROVED BY *[Signature]* TITLE DATE SEP 06 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 UNIT 8N

DEVELOPMENT

Lease:		AFE #: WAN.CNV.7224				AFE \$:	
Field Name: 31-6		Rig: XXX 2009 Vertical		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Glaser, Terry J		Phone: (832)486-2332		Prod. Engineer:		Phone:	
Res. Engineer: Tomberlin, Timothy A		Phone: (832) 486-2328		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: 36.840237	Longitude: -107.510717	X:	Y:	Section: 06		Range: 006W	
Footage X: 570 FWL	Footage Y: 2155 FSL	Elevation: 6281	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole		Datum Code: NAD 27				Deviated	
Latitude: 36.842437	Longitude: -107.510413	X:	Y:	Section: 06		Range: 006W	
Footage X: 660 FWL	Footage Y: 2300 FNL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Restricted		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6297 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
SURFACE CSG	213	6084	<input type="checkbox"/>			12-1/4 hole. 9-5/8" 32.3 ppf, H-40, ST&C casing. Cement with 170 cu. ft. Circulate cement to surface.	
OJAM	2235	4062	<input type="checkbox"/>			Possible water flows.	
KRLD	2386	3911	<input type="checkbox"/>				
FRLD	2908	3389	<input type="checkbox"/>			Possible gas.	
PCCF	3256	3041	<input type="checkbox"/>				
LEWS	3346	2951	<input type="checkbox"/>				
Intermediate Casing	3446	2851	<input type="checkbox"/>			8 3/4" Hole. 7", 23.0 ppf, L-80, LT&C casing. Cement with 804 cu. ft. Circulate cement to surface.	
HURF	3940	2357	<input type="checkbox"/>				
CHRA	4002	2295	<input type="checkbox"/>				
UCLFH	4858	1439	<input type="checkbox"/>				
CLFH	5132	1165	<input type="checkbox"/>			Gas; possibly wet	
MENF	5186	1111	<input type="checkbox"/>			Gas.	
PTLK	5462	835	<input type="checkbox"/>	800		Gas.	
MNCS	5800	497	<input type="checkbox"/>				
UPPER GLLP	6765	-468	<input type="checkbox"/>				
GRHN	7487	-1190	<input type="checkbox"/>	2800		Gas possible, highly fractured	
GRRS	7550	-1253	<input type="checkbox"/>			Gas possible, highly fractured	
TWLS	7663	-1366	<input type="checkbox"/>			Gas	
PAGU	7678	-1381	<input type="checkbox"/>			Gas. Highly Fractured.	
CBBO	7691	-1394	<input type="checkbox"/>			Gas	
CBRL	7727	-1430	<input type="checkbox"/>				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 UNIT 8N

DEVELOPMENT

TD	7832	-1535	<input type="checkbox"/>	12-1/4" hole. 4-1/2", 11.6 ppf, L-80, LT&C casing. Cement with 597 cu. ft. Circulate cement a minimum of 100 ft. inside previous casing string. No open hole logs. Cased hole TDT with GR to surface.
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Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	SJ 31-6 3R	6-30N-6W-NE, KB = 6314
Intermediate	SJ 30-6 33B	8-30N-6W-NW, KB = 6294
Intermediate	SJ 31-6 8M	6-30N-6W-SW, KB = 6320
Intermediate	SJ 30-6 33A	8-30N-6W-NW, KB = 6291

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 345' below GRHN MVNM030N006W06NW2 AND DK 30N06W06NW1

Zones - MVNM030N006W06NW2 AND DK 30N06W06NW1

General/Work Description - This will be permitted as a directional due to tops and ACEC restrictions. Surface location is 1115' from ...

ConocoPhillips Planning Report

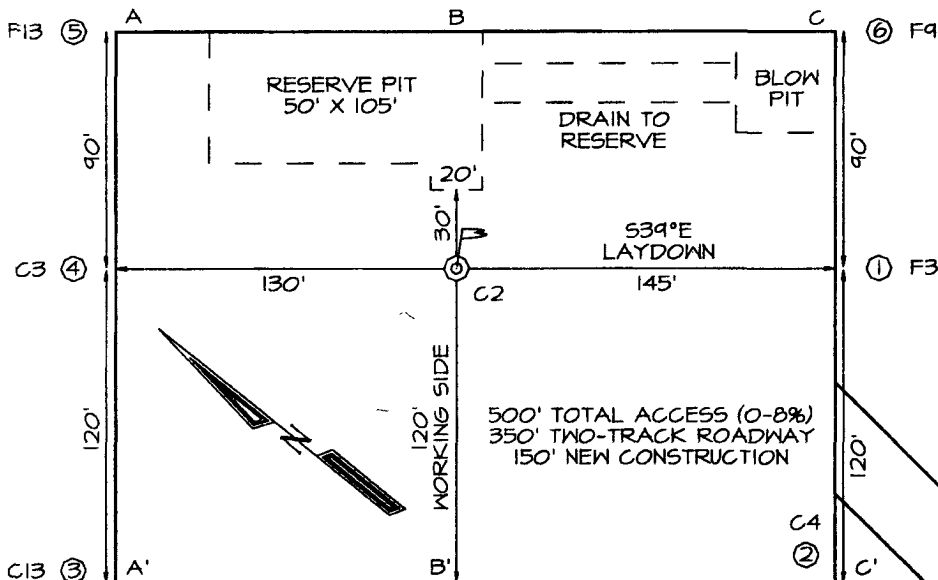
Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 31-6 #8N
Company:	ConocoPhillips Lower 48	TVD Reference:	Generic Rig KB @ 6296.0ft (Generic Rig KB)
Project:	San Juan Basin	MD Reference:	Generic Rig KB @ 6296.0ft (Generic Rig KB)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 31-6 #8N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	APD Directional Plan		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)	
2,313.2	2,235.0	Ojo		0.00		
2,473.2	2,386.0	Kirtland		0.00		
3,025.6	2,908.0	Fruitland		0.00		
3,380.7	3,256.0	Pictured Cliffs		0.00		
3,470.9	3,346.0	Lewis		0.00		
4,065.0	3,940.0	Huerfano Bentonite		0.00		
4,127.0	4,002.0	Chacra		0.00		
4,983.0	4,858.0	Upper Cliffhouse		0.00		
5,257.0	5,132.0	Mass Cliffhouse		0.00		
5,311.0	5,186.0	Menefee		0.00		
5,587.0	5,462.0	Point Lookout		0.00		
5,925.0	5,800.0	Mancos		0.00		
6,890.0	6,765.0	Upper Gallup		0.00		
7,612.0	7,487.0	Greenhorn		0.00		
7,675.0	7,550.0	Graneros		0.00		
7,788.0	7,663.0	Two Wells		0.00		
7,803.0	7,678.0	Paguate		0.00		
7,816.0	7,691.0	Cubero		0.00		
7,852.0	7,727.0	Lower Cubero		0.00		
7,957.0	7,832.0	TD		0.00		

CONOCOPHILLIPS COMPANY SAN JUAN 31-6 UNIT #8N
2155' FSL & 570' FWL, SECTION 6, T30N, R6W, NMPM
RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6281'

LATITUDE: 36.84024° N
LONGITUDE: 107.51132° W
 DATUM: NAD1983

50' CONSTRUCTION ZONE



PLAT NOTE:

SURFACE OWNER
 State of New Mexico

