

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

2006 MAY 16 PM 1 36

RECEIVED

OTO FARMINGTON 601

Lease Number
NMSF-079012
If Indian, All. or
Tribe Name

1. Type of Well
GAS

7. Unit Agreement Name

2. Name of Operator
ConocoPhillips

8. San Juan 31-6 Unit
Well Name & Number

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. SJ 31-6 Unit #13H
API Well No.

30-039-29652

4. Location of Well, Footage, Sec., T, R, M

10. Field and Pool

Surf - Unit M (SWSW), 795' FSL & 1310' FWL, Sec. 4, T30N, R6W

Basin DK / Blanco MV

BH - Unit M (SWSW), 760' FSL & 760' FWL, Sec. 4, T30N, R6W

11. County and State
Rio Arriba Co., NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging

☐ Casing Repair

☐ Altering Casing

☒ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

☒ Other - Direction Drill Plans

13. Describe Proposed or Completed Operations

The subject well changed from a vertical drill well to a directional drill well. See the attached amended C102 (plat) and the directional drill plans. It was decided to directional drill this well to stay at least 500' from the existing FC in the area.

14. I hereby certify that the foregoing is true and correct.

Signed

Patsy Clugston

Patsy Clugston

Title Sr. Regulatory Specialist

Date 5/15/06

(This space for Federal or State Office use)

APPROVED BY

[Signature]

Title

Reg. Eng

Date

5/18/06

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

HOLD C102 FOR *directional survey*

NMOC

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
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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 31328	*Property Name SAN JUAN 31-6 UNIT	*Well Number 13H
*GRID No 217817	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 6275'

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
M	4	30N	6W		795	SOUTH	1310	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
M	4	30N	6W		760	SOUTH	760	WEST	RIO ARriba
¹² Dedicated Acres 319.84 Acres - W/2 (MV) 319.84 Acres - W/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

¹⁶ 5280.00' LOT 8 LOT 7 LOT 6 LOT 5 1316.04' 1320.00' LEASE SF-079012 4 2640.00' 1310' 760' 760' 795' BOTTOM-HOLE LAT: 36.83644°N LONG: 107.47462°W DATUM: NAD1983 SURFACE LOCATION LAT: 36.83654°N LONG: 107.47275°W DATUM: NAD1983 5285.28'				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 May 11, 2006 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: MAY 26, 2005 Signature and Seal of Professional Surveyor  JASON C. EDWARDS Certificate Number 15269
--	--	--	--	---

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 13H

Lease:		AFE #: WAN.CNV.6206		AFE \$:	
Field Name: 31-6	Rig: H&P 283	State: NM	County: RIO ARRIBA	API #: 3003929652	
Geoscientist: Glaser, Terry J	Phone: (832)486-2332	Prod. Engineer: Moody, Craig E.	Phone: 486-2334		
Res. Engineer: Pena, David Fernando	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: 36.836540	Longitude: -107.472140	X: 0.00	Y: 0.00	Section: 4	Range: 6W
Footage X: 1310 FWL	Footage Y: 795 FSL	Elevation: 6275	(FT)	Township: 30N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD 27		Deviated	
Latitude: 36.836343	Longitude: -107.474108	X:	Y:	Section: 4	Range: 6W
Footage X: 760 FWL	Footage Y: 760 FSL	Elevation:	(FT)	Township: 30N	
Tolerance:					

Location Type:	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6291	Units = FT		

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	216	6075	☐			13-1/2" hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.
NCMT	1241	5050	☐			
CJAM	2271	4020	☐			Possible water flows.
KRLD	2391	3900	☐			
FRLD	2816	3475	☐			Possible gas.
PCCF	3216	3075	☐			
LEWS	3416	2875	☐			
Intermediate Casing	3516	2775	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Special Drift to 6.25". Circulate cement to surface.
CHRA	4341	1950	☐			
CLFH	5181	1110	☐			Gas; possibly wet
MENF	5211	1080	☐			Gas.
PTLK	5471	820	☐			Gas.
MNCS	5721	570	☐			
CLLP	6841	-550	☐			Gas. Possibly wet.
CRHN	7481	-1190	☐			Gas possible, highly fractured
CBBO	7666	-1375	☐			Gas
Total Depth	7831	-1540	☐			6-1/4" Hole. 4-1/2", 11.6 ppf, N-80, LTC casing. 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
----------------	-----------	----------

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 31-6 13H

Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☒ TDT

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------

Comments: Location/Tops/Logging - deviated to remain at least 500' from existing FC well.

Zones - Drilling Mud Program:

Surface: spud mud

Intermediate: fresh water mud with bentonite and polymer as needed

Below Intermediate: air/mist/nitrogen drilling media with foamer, polymer, & corrosion inhibitor as needed

Centralizer Program:

Surface: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 3rd, & 4th joints

Intermediate: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 4th, 6th, 8th, & 10th joints

Turbolizers placed one per joint from the top of the Ojo Alamo to the top of the Kirtland Shale

Below Intermediate: no centralizers used in air holes. In mud holes centralizers are spaced out appropriately

San Juan 31-6 #13H**TVD - MD Formation Tops**

Formation	TVD	MD
San Jose	13	13
Surface Casing	213	213
NCMT	1241	1253.40
OJAM	2271	2303.26
KRLD	2391	2425.58
FRLD	2816	2858.78
PCCF	3216	3600.00
Lewis	3416	3520.00
Intermediate Casing	3516	3568.00
Chacra	4341	4392.50
Cliffhouse	5181	5232.50
Menefee	5211	5262.50
Point Lookout	5471	5522.50
Gallup	6841	6892.50
Greenhorn	7481	7532.50
Cubero	7666	7717.50
TD	7831	7883.00

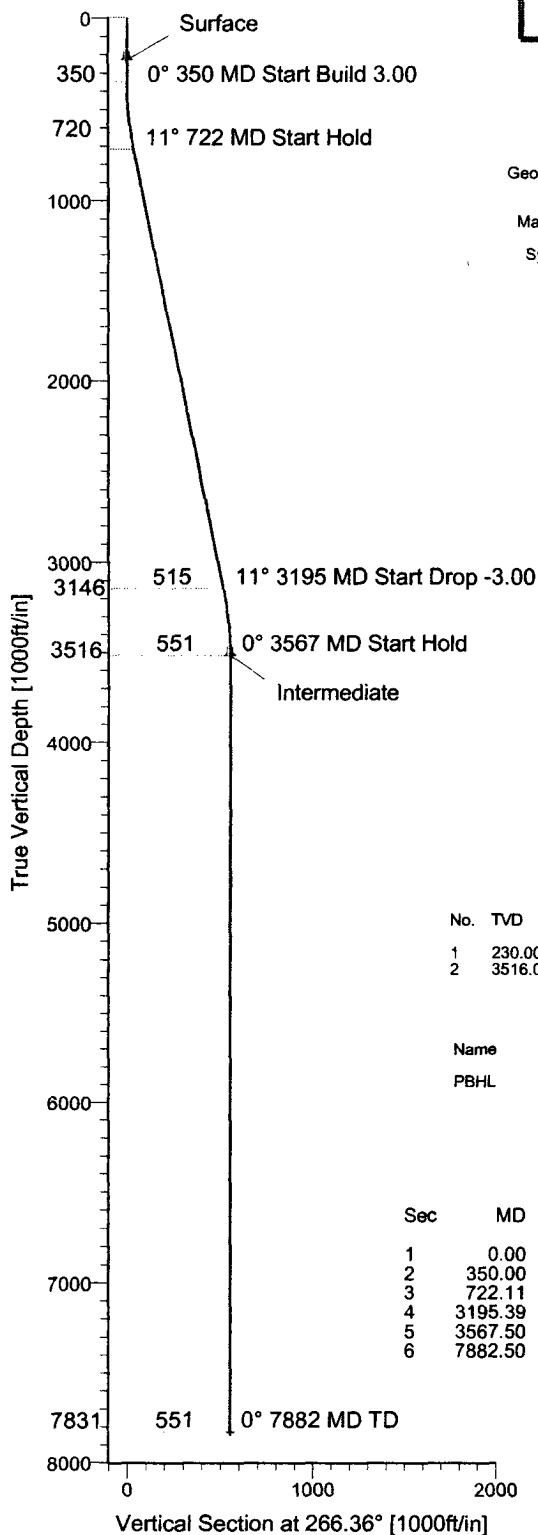
San Juan 31-6 #13H**TVD - MD Formation Tops**

Formation	TVD	MD
San Jose	13	13
Surface Casing	213	213
NCMT	1241	1253.40
OJAM	2271	2303.26
KRLD	2391	2425.58
FRLD	2816	2858.78
PCCF	3216	3600.00
Lewis	3416	3520.00
Intermediate Casing	3516	3568.00
Chacra	4341	4392.50
Cliffhouse	5181	5232.50
Menefee	5211	5262.50
Point Lookout	5471	5522.50
Gallup	6841	6892.50
Greenhorn	7481	7532.50
Cubero	7666	7717.50
TD	7831	7883.00



ConocoPhillips

Field: Rio Arriba County, NM
Site: San Juan 31-6 #13H
Well: Well 31-6 #13H
Wellpath: Original Hole
Plan: Plan #1



FIELD DETAILS

Rio Arriba County, NM
USA

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Western Zone
Magnetic Model: igr12005

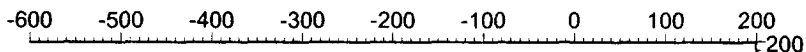
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

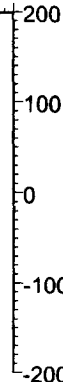
San Juan 31-6 #13H
Sec. 4, T30N, R6W
Rio Arriba County

Water Depth: 0.00
Positional Uncertainty: 0.00
Convergence: 0.00

West(-)/East(+) [200ft/in]



South(-)/North(+) [200ft/in]



CASING DETAILS

No.	TVD	MD	Name	Size
1	230.00	230.00	Surface	9.625
2	3516.00	3567.50	Intermediate	7.000

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PBHL	7831.00	-35.00	-550.00	Point

WELLPATH DETAILS

Original Hole			
Rig:	SITE	Origin +N/-S	Origin +E/-W
Ref. Datum:	0.00ft		
V. Section Angle	266.36°	0.00	0.00
Starting From TVD			0.00

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	266.36	0.00	0.00	0.00	0.00	0.00	0.00	
2	350.00	0.00	266.36	350.00	0.00	0.00	0.00	0.00	0.00	
3	722.11	11.16	266.36	719.76	-2.29	-36.06	3.00	266.36	36.14	
4	3195.39	11.16	266.36	3146.24	-32.71	-513.94	0.00	0.00	514.98	
5	3567.50	0.00	266.36	3516.00	-35.00	-550.00	3.00	180.00	551.11	
6	7882.50	0.00	266.36	7831.00	-35.00	-550.00	0.00	0.00	551.11	PBHL

