

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

5. Lease Serial No.

NMSF 078999

6. Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and/or No.

8. Well Name and No.

SAN JUAN 31-6 UNIT 16F

9. API Well No.

30-039-29904

10. Field and Pool, or Exploratory Area

Blanco Mesaverde/Basin Dakota

11. County or Parish, State

RIO ARRIBA

NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

2. Name of Operator

ConocoPhillips Company

3a. Address

PO BOX 4289 Farmington NM 87499

3b. Phone No. (include area code)

(505)326-9597

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

855 SOUTH 410 WEST

UL: M, Sec: 33, T: 31N, R: 6W

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

ConocoPhillips proposes to change the drilling program as per the attached drilling plan.

Proposed changes are:

1. If we encounter lost circulation while drilling intermediate, we will use a foam cement slurry on the 7" csg instead of the cmt plan as permitted in APD. The foam cement is lighter and we plan to use it so that we reduce the hydrostatic pressure on the Fruitland Coal when we pump cement around the casing.

2. The production casing was originally permitted as 4 1/2", 11.6#, N-80 LT&C. We propose to change to 4 1/2", 11.6#, J-55 LT&C from surface to 1100'; then 4 1/2", 10.5#, J-55 ST&C to TD.

RCVD JUN 7 07

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Juanita Farrell

Title Regulatory Specialist

Signature

Date 06/05/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Troy L. Salyers

Title Pct. Eng.

Date 6/6/07

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office FFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCD

Well Name: San Juan 31-6 Unit #16F
Formation: MWDK Vertical ND w/air
Location: T - 31 N R - 6 W Sec.: 33
Footage: 865 FSL & 410' FWL
County: Rio Arriba
State: New Mexico
APD/BLM API #: 30-039-29904
Lease #: 078999
EST DATES: 11
BLM Phone #: 599-8907
NMOCD Phone #: 334
7D: 8,046'
KB: 8,046'
5178 - ext 16

Safety:

In case of Major Emergency Call 911
Give the following information to Operator:
Well Name: San Juan 31-6 Unit #16F
County: Rio Arriba
State: New Mexico
Latitude: 36 deg, 55.0890 min.
Longitude: 107 deg, 28.5135 min.
From the intersection of Hwy 64 and Hwy 65 in Bloomfield, travel east on Highway 64 out of Bloomfield for 39 miles to state highway 627 (Simms Highway). Turn left on state highway 627 and travel 7.9 miles to Roas Road @ La Jara Station. Go right (northerly) on Roas Road and travel 6.5 miles to fork in road. Keep to the left (northerly and straight) remaining on Roas Road and travel 1.6 miles to four-way intersection. Take a left at the four-way intersection and head westerly and travel 2.5 miles to fork in road. Turn left and travel southeasterly for 1.0 miles to new access on right-hand side of existing roadway which continues 250' to new staked location.

Geology

Depth	Hydraulics	Drilling Fluids	Surface Cement Job	Cement	Materials
1225' Field	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
1389' Nachamento	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
2589' Ojo Alamo	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
2689' Kirtland	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
3129' Fruitland	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
3429' Pic. Chiffs	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
3829' Lewis	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
3729' Int TD	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
4579' Chacra	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
5399' Massive Cliff House	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
5439' Menefee	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
5589' Massive Pt Lookout	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
5534' Mancos	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
7049' Gallup	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
7704' Greenhorn	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
7899' Cubero	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
7929' Lower Cubero	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
7996' Enchinal	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
8036' Est. Bottom Part	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
8043' Est. PBD	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G
8046' TD	Drill out from under 8-3/4" surface w/ clean 500GPM	Type III cement with 3% CaCl ₂ and 1/4" pop Callo-Flake.	123.7 cu ft	15.2 PPQ	1 Cement: 550G

Prepared: *Paul Perkins*

Reviewed:

Environmental, Health & Safety (All Rig Activity)

*Opportunities are usually disguised as hard work, so most people don't recognize them. * Ann Landers "Nothing is particularly hard if you divide it into small jobs." Henry Ford

Goal	TRIP*	LTA	Restricted Duty	OSHA Rec	1st Aid
Actual (3/7/07)	3.32	4	0	0	0
TRIP - Total Recordable Incident Rate per 200,000 man-hours.					
Environmental Goals: Zero Spills on Location, Remove Trash from Roads and Locations					

Other Summary

San Juan 31-6 51M (NW), 2001, 1.5 ml, SW, NCOF well. Ran 9-58' 32.34 H-40 ST&C to 365'. Pumped 55 bbls cmt, returned 10 bbls to surf. Drilled 17361-3740 w/ unknown 8-3/4" bit. Lost returns at 3641'. Lost over 1000 bbls, increased LCM from 0 to 20% before regaining returns. Ran 7-20H J-55 ST&C to 3740'. DV tool @ 2960'. Lost returns while waiting for cement truck. Pumped 42.5 bbls 1st sig with no returns, pumped 183 bbls 2nd sig with no returns, 135% excess. Drilled out DV tool then ran CBL, perforated at 2807'. Pumped 152 bbls squeeze cmt, circ 5 bbls to surf. Drilled 17340-8000 w/ unknown 6-1/4" bit. Ran 4-1/2' 11.8# L-80 LT&C to 8000'. Pumped 112 bbls @ 40% excess, no mention of actual TOC.

San Juan 31-6 51M (NW), 2001, 1.5 ml, SW, NCOF well. Rig drilled surface to 343'. Ran 9-58' 32.34 H-40 ST&C to 343'. Pumped 55 bbls cmt, returned 10 bbls to surf. Drilled 17345-3020 w/ unknown 8-3/4" bit. Trip for new bit @ 3020'. Lost circ. @ 3124'. Increased LCM from 0% to 15%, attempted to drill ahead and lost circ. again @ 3144'. Increased LCM to 25%, and attempted to drill ahead again, lost returns @ 3165'. Pumped 300 bbls w/25% LCM and drilled ahead to 3446' after losing 300 bbls. Lost circ. again @ 3446'. Increased LCM to 28%. DV drilled to 3460', gain some circ. then TD int. @ 3500'. 20' into Lewis. Ran 7-20H K-55 ST&C to 3500'. ECP 17285-2872. DV tool @ 2865'. Pumped 44 bbls 1st sig with no returns, pumped 173 bbls 2nd sig with 28 bbls circ. to surf. 140% excess. Drilled out DV tool, no cmt in shoe. Set retainer and discovered leak in casing. Set retainer @ 3298 and pumped cmt. Drilled out cmt, no cmt from 3378-3508'. Ran CBL and found part in casing @ 3344'. Set another retainer @ 3380'. Could not establish rate under retainer, pumped down annulus @ 10pm. Spd cmt above retainer, pressure up DV. Drilled out cmt and retainer, pressured up casing. OK. Drilled 17508-3565 w/ unknown 6-1/4" bit. TOOH for new bit, drilled 17565-3667' but hole would not dry up. TOOH and spotted cement plug. Tried to air drill again but hole got wet again. Establish 10 bbl mix rate, drilled to 5242' with mist. TOOH for new bit @ 5242' with mist. Mancos top @ 5857'. Ran 4-1/2' 11.8# L-80 LT&C to 5975. Pumped 88 bbls @ 45% excess, no mention of actual TOC.

San Juan 31-6 44E (NW), 2000, 1.5 ml, NW, NCOF well. Ran 9-56' 32.34 H-40 ST&C to 365'. Pumped 55 bbls cmt, returned 10 bbls to surf. Drilled 17557-3820 w/ unknown 8-3/4" bit. Ran 7-20H J-55 ST&C to 3825. Pumped 225 bbls cmt w/ 15 bbl circ. to surf. 125% excess. Drilled 17385-7939 w/ unknown 6-1/4" bit, top of MANOS @ 8099'. TOOH @ 7939' for new bit. Drill to TD of 8134'. Ran 4-1/2' 11.8# L-80 LT&C to 8134'. Pumped 116 bbls @ 45% excess, no mention of actual TOC.

Operational Notes

- OPEN-HOLE LOGS: NONE
- Ensure that Nitrogen concentration is at least 82% while air drilling.
- Notify Phoenix Services to acquire deviation survey at rig down (325-1125) & phoenixservices@earth.com
- If losses occur while drilling intermediate hole, pump foam cement from Halliburton (cementing procedure is included in well file). Contact Justin Kiddoo (505-330-3001) cell or call 505-324-3500 Halliburton (dispatch) to arrange foam cement job.
- Call Lynda Garmann at WSI (328-0308) to arrange for RU or foam cementing choke manifold & piping.
- Inform Halliburton as to when WSI will be on location to RU choke manifold or Halliburton can check RU.
- Notify Cameron prior to rig move to install the tubing head assembly immediately after the substructure has been moved.
- Preheat with 25% LCM at 3000' to mitigate losses.
- Call Sedrock Geological Services to log cuttings from 100' ft above Greenhorn to TD.
- If no fluid losses are incurred while drilling the int. hole, pump a fluid caliper 200' ahead of intermediate TD to estimate hole volume. Adjust cement volumes to actual hole volume plus 15% excess.
- Surface casing has been preset.
- Call John White at Southwest Bill & Tool (505-632-1452) to obtain mud motor and 8-3/4" PDC bit.
- Drill intermediate hole with Chien Faze w/ sweeps as needed; mud up as hole dictates. Disperse mud for Lewis. Reserve pits must be fired. Transfer mud to next location.
- Short trip to drill collars unless hole dictates otherwise.
- Rig up biocore line before drilling the Kirtland.
- Caliper everything that goes through the table.
- Install drilling head rotating rubber once BHA is buried.
- Circulate 7' casing every 15-20 joints and wash last 5 joints to TD.
- Pump intermediate cement job at 3 bpm or less to reduce ECD (Lost circ while pumping cmt on SJ 31-6 Unit 16M, 1999).
- Fill out all Check Sheets (MIRU, pre-spud) and take pictures of location.
- Use BJ Services for cementing needs. Use Weatherford/Conoco for all test equipment needs.
- Obey posted speed limits and keep all gates locked. Wear roads as necessary to keep dust down.
- Ensure that pilot light is at end of biocore line before drilling at hole.
- Barricade any existing wellmetering equipment on location.
- Call all proper regulatory agencies, including NMOCD, 24 hours in advance of BOP testing, spud, running csg, or cementing. Leave message if after hours.

Approved: *Ed Jackson*

Ed Jackson - Drilling Superintendent