submitted in lieu of Form 3160-5

RECEIVED
SEP 24 2007
Bureau of Land Management
Farmington Field Office

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

2. **Name of Operator**
ConocoPhillips

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. **Location of Well, Footage, Sec., T, R, M**
Sec., T--N, R--W, NMPM
Unit P (SESE) 510' FSL & 85' FEL, Sec.31, T31N, R6W NMPM

5. **Lease Number**
NMSF - 078995

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**
San Juan 31-6 Unit

8. **Well Name & Number**
San Juan 31-6 Unit 45M

9. **API Well No.**
30-039-30147

10. **Field and Pool**
Basin DK/Blanco MesaVerde

11. **County and State**
Rio Arriba Co., NM

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

Type of Submission	Type of Action			
X Notice of Intent	Abandonment	X Change of Plans	X Other Intermediate Depth Change
	Recompletion	New Construction	RCVD SEP 26 '07
Subsequent Report	Plugging	Non-Routine Fracturing	
	Casing Repair	Water Shut off	OIL CONS. DIV.
Final Abandonment	Altering Casing	Conversion to Injection	

13. Describe Proposed or Completed Operations

DIST. 3

ConocoPhillips requests to change the intermediate depth.

We are requesting to change the intermediate casing depth from the APD approval of 3493' to a new depth of 3704'. The Lewis Formation was picked incorrectly, therefore we need to deepen the intermediate casing point.
The cement volumes will be adjusted accordingly.

Please see attached : Drilling Program

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

Signed Tracey N. Monroe Title Regulatory Technician Date 9/24/07

(This space for Federal or State Office use)
APPROVED BY Troy L Salyers Title Petroleum Engineer Date 9/25/07
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

NMOCD

San Juan Division - Drilling Program

Well Name:	SJ 31-6 45M	**Safety:**	
Formation:	MV/DK New Drill	AFE#	WAN.CNV.7211
Location:	T - 31 N R - 6 W Sec.: 31	Network #	10166984
Footage:	510' FSL & 85' FEL		
County:	Rio Arriba State: New Mexico		
Rig:	H&P 282 API #: 30-039-30147		
APD/BLM	02/02/07 Lease # OCD	AFE	$631,585
GL:	6,348' OCD Phone #: 334-6178	Est. Cost/ft:	$82.50
KB:	6,364' BLM Phone #: 599-8908	Like Kind Cost:	$656,783
TD:	7,961' EST DAYS: 9		

In case of Major Emergency Call 911

Give the following information to Operator:

Well Name:	SJ 31-6 45M	**County:**	Rio Arriba
Latitude:	36 degrees, 51.0059 minutes	**State:**	New Mexico
Longitude:	107 degrees, 29.7058 minutes		

From the intersection of HWY 550 and HWY 64 in Bloomfield NM travel East on NM state HWY 64 for 38.2 miles. Turn left (Northeasterly) on NM State HWY 527 (Simms Hwy) and travel for 7.9 miles. Turn right (Northerly) on Rosa Road and travel for 6.6 miles across La Jara bridge to the top of the mesa. Turn left 0 8 miles continue 1.7 miles to fork. Stay right (northwesterly) 0 6 miles to intersection. Continue (west) 2.1 miles to fork in road. Stay left (west) 0.1 miles. Continue (southerly) o.1 miles to beginning of access on left side of road. Turn left (east) and continue 400' to stake.

Geology

0		
216'		
1204'	Nacimiento	
2552'	Ojo Alamo	
2721'	Kirtland	
2625'	If needed	Stage Tool
2925'	Fruitland	
3222'	Pic. Cliffs	
3604'	Lewis	
3704'	Int TD	
4110'	Huerfanito Bentonit	
4507'	Chacra	
5000'	Upper Cliff House	
5323'	Massive Cliff Hous	
5370'	Menefee	
5649'	Massive Pt Lookou	
0'	Mancos Shale	
6730'	Gallup	
7661'	Greenhorn	
7714'	Graneros	
7827'	Two Wells	
7835'	Paguate	
7842'	Upper Cubero	
7887'	Lower Cubero	
7954'	Encinal Top	
7988'	Est. PBTD	
7991'	TD	

Hydraulics

12 1/4" Baker 6-3/4" PDC 5052ZX 5-14s jets

15-30K WOB

Spin Top Drive 70 RPM

Run Teledrift and Motor. Offsets in similar pressure profile LR

Backream each connection

6-1/4" Marquis CV462& Halco Hammer

2 - 4K WOB

30-40 RPM

Slow ROP before drilling into the top of Greenhorn

Reduce WOB to 2,000 & RPM to 25.

If hole gets wet: Mist drill to top of Mancos w/ hammer Mud up, drill to TD w/ 506ZX

Must run Dev Surveys

Drlg Fluids

Spud

Drill out from under surface w/ water and gel system. Sweep w/ gel and fiber as needed. Pretreat w/ 30% LCM by 3000' and close in system.

500+ GPM above coal

350-400+ GPM LR Expected

Nitrogen/Air:

400-500 psi

1800-2200 SCFM

Use N2 membrane

unit from Gallup down to TD.

Cement

Type III cement with 2% CaCl2 and 1/8 pps Cello-Flake.

217 sks 1 18 cu.ft/sk

256 cu.ft 5.24 gal/sk Mo-Te to

15.6 ppg Excess. 125% Preset Surface

Excess Cement: 120%

PF: 20 bbls mudflush,

Top of tail is planned at: 2963.2

Lead: Premium Plus / Type III cement + 3.0% Bentonite + 30 pps San Juan Poz + 5.0 pps Phenoseal

419 sks

1089 cu. ft.

Density 11.5 ppg

Yield 2.60 cu.ft/sk

Mix Water 14.61 gal/sk

Tail: 50/50 Poz Premium + 6 lbm/sx Pheno Seal + 2% Bentonite

84 sks

111 cu. ft.

Density 13.5 ppg

Yield 1.33 cu.ft/sk

Mix Water 5.51 gal/sk

147.9 bbls displacement

Base plan is to 2 stage cement

Excess Cement: 40%

PF: 10 bbls Chemwash, 2 bbls freshwater

Tail:

50/50 Poz/Standard 3.5 pps Pheno Seal (LCM) 0.2% CFR-3 Dispersant + 0 8% Halad R-9 + 0.1 FL % HR-5 retarder + 3% Bentonite

441 sks

639 cu ft

Density 13.1 ppg

Yield 1 45 cu.ft/sk

Mix Water 6.39 gal/sk

127 0 bbls, displace.

Add 25lb. bag of sugar to 1st bbl of displacement

If mud drilled, use 50% excess factor.

Analysis

Schlumberger Triple Combo in Intermediate hole

Mud Logs:

100' above Greenhorn to TD Softrock 320-8275

Open-Hole Logs:

None

Notify Phoenix Service to acquire deviation survey at rig down: Phone # 325-1125

Materials

1 Wood Group wellhead

1 Wellhead trash cap

216 feet 9-5/8" 32 3# H-40 STC

1 9-5/8" sawtooth guide shoe

3 Bow Type Centralizers

1 Wooden Plug for Displacement if Mo-Te sets

1 7" float shoe flapper type (Gemoco)

42 feet Shoe Joint 7" 20.0#, J-55 ST&C

1 7" float collar flapper type (Gemoco)

3662 feet 7", 20.0#, J-55 ST&C to surface

Centralizers:

6 7" x 8-3/4" bow type every other jt off bottom

2 7" x 8-3/4" turbo centralizers at base of the Ojo Alamo

1 7" x 8-3/4" bow type in bottom of surface csg

Casing total:

3854 feet 7", 20.0#, J-55 ST&C w/ 150' extra

1 4-1/2" Float Shoe (Gemoco)

1 4-1/2" Ft Cllr w/ Insert & Latch in Wiper Plug

200 feet 4-1/2" 11 6#, J-55 LT&C

6591 feet 4-1/2" 10 5#, J-55 ST&C

1200 feet 4-1/2" 11.6#, J-55 LT&C to Surface

Centralizers: 7 total 4-1/2" x 6-1/4" bow spring. One every other joint for first 12 joints then 1 in the 7" shoe.

Marker Joints:

1 10' marker joint 150' above Graneros & 1 10' marker joint @ Huerfanito Bentonite

Casing total:

6591 feet 4-1/2", 10.5#, J-55, ST&C

1550 feet 4-1/2" 11.6#, J-55 LT&C w/ 150' extra

If mud drilling is necessary, deepen TD by ~100', run 40' shoe jt and 4-1/2" x 6-1/4" centralizers as shown above to the base of the 7" casing.

Environmental, I

"A minute of thought is worth more than an hour of talk " - ,

	TRIR*	LTA	Res
Goal	0	0	
Actual (8/31/07)	4.21	5	

* TRIR - Total Recordable Incident Rate per 200,000 man-

Environmental Goals:

- Zero Spills on Location
- Remove Trash from Roads and

31-6 47F (MV/DK, 7/07, 0.5 mi. E). No problems w/ surf Drilled at 3080' Dry drilled to TD. Had a total of ~2000 bbls lost returns. while drilling. After TD circulated and POOH no WT While runnir produced water. Got full returns Swapped to cementing manifol no returns Temp log TOC 3100'. Perf and squeeze. CBL with 7 7890' without issue. Ran 4-1/2" and cemented without issues.

31-6 51M (MV/DK, 7/01, 0.5 mi. SE): No problems with surface. severe losses at 3124'. Lost 2079 bbls Cemented 7" casing in tw no problems.

31-6 44E (MV/DK, 10/00, 1.5 mi. NE): No problems with surface stage with 15 bbls to surface. Gas drilled 6-1/4 production hole. F

31-6 46M (MV/DK, 2000, 0.75 mi. E): hCOP well Ran 9-5/8" 32 bbls to surf. Drilled f/361'-3740' w/ unknown 8-3/4" bit. Lost retur 20% before regaining returns. Ran 7" 20# J-55 ST&C to 3740', D Pumped 42 5 bbls 1st stg with no returns, pumped 183 bbls 2nd s ran CBL, perforated at 2607', pumped 152 bbls squeeze cmt, circ Ran 4-1/2" 11 6# L-80 LT&C to 8000'. Pumped 112 bbls @ 40% e

31-6 41F (MV/DK, 05/07, 1.0 mi NE): No problems with surface, no losses Air drilled production to 8,012' got wet. Mud up, loade Able to trip to TD, no reaming required. Drilled with some losses 2 shows, mud up to 9.0ppg to reduce gas units and POOH to run ca casing to bottom. Cement w/Nitrified mud ahead and standard cer

31-6 47G (MV/DK, 08/07, 0.5 mi N): No problems with surface, re drilled to 3500' and got returns back w/ formation water. No WT a and got 20/40 bbls cement to the pit. Drilled 6-1/4" air hole, ran ai

Best offset wells are the 46M, 47G and 47F. They are closest to c

Operations Notes:

- Drill Intermediate hole w/ Clean Phase w/ sweeps as needed. Dis notify Regulatory
- Install rotating rubber after drill collars are buned
- Rig up bloole line before penetrating Kirtland formation.
- Fill out all Check Sheets (MIRU, Pre-spud) and take pictures of lo
- **Watch deviation very closely while drilling with PDC. Lost Rei**
- **Have production shut in the 31-6 223, 207, and 213A wells to**
- Surface pits MUST be lined according to the APD
- Disperse mud & spin bit to remove bit ball while drilling the Lewis
- Circulate 7" casing down every 15-20 joints and wash the last 5 jc
- Use Weatherford/Gemoco float equipment for all holes this well: float collar and will use latch in wiper plug. Cement w/ BJ Service
- Call all appropriate regulatory agencies 24 hours in advance of sp hours

Approved by: _____

Shon Robinson - Drilling Engineer

Prepared: 9/19/2007