

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

2007 MAR 28 PM 3:42

RECEIVED  
BLM  
210 FARMINGTON NM

Lease Number

NMSF-078480

If Indian, All. or

Tribe Name

1. Type of Well

GAS

7. Unit Agreement Name

2. Name of Operator

ConocoPhillips

8. Well Name & Number

Hammond WF Federal #5

3. Address & Phone No. of Operator

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

9. API Well No.

30-045-11582

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

Sec., T--N, R--W, NMPM

10. Field and Pool

South Blanco Pictured Cliffs

Unit D (NWNW) 1060' FNL & 1150' FWL, Sec. 25, T27N, R8W NMPM

11. County and State

San Juan 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 ☐ Change of Plans

☐ Recompletion ☐ New Construction

☐ Plugging ☐ Non-Routine Fracturing

☐ Casing Repair ☐ Water Shut off

☐ Altering Casing ☐ Conversion to Injection

☐ Other -

13. Describe Proposed or Completed Operations

All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8ppg with a 1.32 cf/sx yield. Please see attached procedure and wellbore diagram.

RCVD APR 2 '07  
OIL CONS. DIV.

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

DIST. 3

Signed



Amanda Sanchez Title Regulatory Tech Date 3/27/07

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title

Date MAR 29 2007

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.

NMOCB



## PLUG AND ABANDONMENT PROCEDURE

March 23, 2007

### Hammond WF Federal #5

South Blanco Pictured Cliffs

1060' FNL, 1150' FWL, Section 25, T27N, R8W, San Juan County, New Mexico

API 30-045-11582 / Lat: 36.548629 N / Long: 107.63938 W

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield,

1. Project will require a Pit Permit (C103) from the NMOCD.
2. Install and test rig anchors. Prepare waste fluid holding pit. Comply with all NMOCD, BLM and hConoco safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. TOH and tally 69 joints 2.375" tubing, total 2155'. Round-trip 4.5" casing scraper or wireline gauge ring to 2102'.
4. **Plug #1 (Pictured Cliffs perforations and Fruitland top, <sup>2182-1785</sup> ~~2065' - 2440'~~):** TIH and set 4.5" CR at 2102'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 1000#. *If the casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 25 sxs Type III cement and spot a balanced plug inside the casing above the CR to isolate the Pictured Cliffs interval and cover the Fruitland top. PUH to 1455'.
5. **Plug #2 (Kirtland and Ojo Alamo tops, <sup>1504' 1207'</sup> ~~1455' - 1178'~~):** Spot ~~22~~ sxs Type III cement inside casing to cover the Kirtland and Ojo Alamo tops. If casing does not test, then increase cement to 35 sxs. TOH with tubing.
6. **Plug #3 (Nacimiento zones, 800' - 600'):** Perforate 3 squeeze holes at 800'. Set cement retainer at 700'. Attempt to establish circulation out bradenhead valve. If able to circulate to surface, mix approximately 250 sxs Type III cement and circulate to surface out bradenhead valve. If unable to establish circulation to surface, then mix 59 sxs Type III cement, squeeze 42 sxs outside the casing and leave 17 sxs inside to cover the Nacimiento zones. TOH and LD tubing.
7. **Plug #4 (8.625" Surface casing shoe, 239' - Surface):** Perforate 3 squeeze holes at 239'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 70 sxs cement and pump down the 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
8. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

# Hammond WF Federal #5

## Proposed P&A

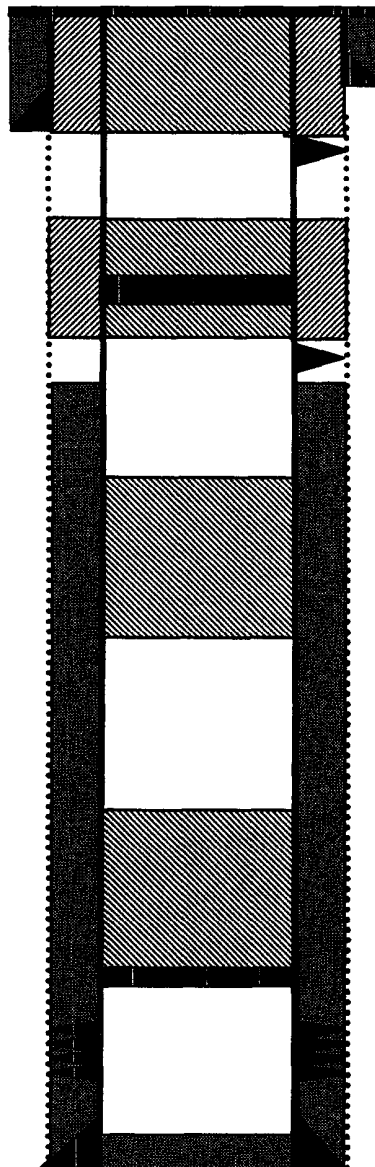
South Blanco Pictured Cliffs

1060' FNL & 1150' FWL, Section 25, T-27-N, R-8-W, San Juan County, NM

Lat: N 36. 548629 / Long: W 107.63938 / API 30-045-11582

Today's Date: 3/23/07  
Spud: 11/8/65  
Comp: 12/9/65  
Elevation: 5973' GL

12.25" Hole



8.625" 24#, J-55 Casing set @ 189'  
Cement with 175 sxs, circulated to surface

Perforate @ 239'

Plug #4: 239' - 0'  
Type III cement, 70 sxs

Cement Retainer @ 700'

Perforate @ 800'

TOC @ 842' (Calc, 7%)

Plug #3: 800' - 600'  
Type III cement, 59 sxs:  
42 outside and 17 inside

Ojo Alamo @ 1228'

Kirtland @ 1405'

Plug #2: 1455' - 1178'  
Type III cement, 22 sxs

Fruitland @ 1835'

Pictured Cliffs @ 2142'

Plug #1: 2102' - 1785'  
Type III cement, 25 sxs

Set CR @ 2102'

Pictured Cliffs Perforations:  
2152' - 2199'

6.75" Hole

4.5" 10.5#, J-55 Casing @ 2275'  
Cement with 200 sxs

2275' TD  
2241' PBTD

# Hammond WF Federal #5

## Current

South Blanco Pictured Cliffs

1060' FNL & 1150' FWL, Section 25, T-27-N, R-8-W, San Juan County, NM

Lat: N 36. 548629 / Long: W 107.63938 / API 30-045-11582

Today's Date: 3/23/07

Spud: 11/8/65

Comp: 12/9/65

Elevation: 5973' GL

12.25" Hole

8.625" 24#, J-55 Casing set @ 189'  
Cement with 175 sxs, circulated to surface

### Well History

Aug '06: Bradenhead Test:

Flowing CP - 156 PSI

Flowing TP - 156 PSI

SI BHP - 58 PSI

Open BH valve, steady water flow. After 1 minute  
flowing BH 38 PSI. Water analysis: TDS - 2350  
ppm; zero hydrocarbons.

Nov '06: Audio Log: No fluid movement in or  
near the Ojo Alamo. Well has fluid cross flow in  
the Nacimiento zone.

TOC @ 842' (Calc, 7%)

Ojo Alamo @ 1228'

2.375" Tubing set at 2155'  
(69 joints tubing)

Kirtland @ 1405'

Fruitland @ 1835'

Pictured Cliffs @ 2142'

6.75" Hole

Pictured Cliffs Perforations:  
2152' - 2199'

4.5" 10.5#, J-55 Casing @ 2275'  
Cement with 200 sxs (264 cf)

2275' TD  
2241' PBTd