

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

2007 JAN 4 PM 3 28

5. **Lease Number**
NM-05791

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

2. **Name of Operator**
ConocoPhillips

RECEIVED
OIL CONSERVATION DIV

7. **Unit Agreement Name**

3. **Address & Phone No. of Operator**

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

8. **Well Name & Number**

9. **Graham B WN Federal #5
API Well No.**

30-045-11604

4. **Location of Well, Footage, Sec., T, R, M**
Sec., T--N, R--W, NMPM

10. **Field and Pool**

S. Blanco PC

1000' FSL & 1790' FWL, Sec. 4, 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

☐ Recompletion

☐ Plugging

☐ Casing Repair

☐ Altering Casing

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

Other

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well per the attached procedure.

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

Signed Patsy Clugston Title Sr. Regulatory Specialist Date 1/3/07

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title _____ Date JAN 08 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.

NMOCD

PLUG AND ABANDONMENT PROCEDURE

March 15, 2006

Graham B WN Fed #5

South Blanco Pictured Cliffs

1000' FSL, 1790' FWL, SW, Section 4, T27N, R8W

San Juan County, New Mexico, API 30-045-11604

Lat: N _____ / Long: 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 II, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Project will require an approved Pit Permit (C-103) from the NMOCD.
2. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and ConocoPhillips 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. PU on tubing and release Baker Model A2 loc set packer at 2912'. TOH and tally 101 joints 2.375" tubing, 2911' and LD packer. If necessary LD tubing and PU workstring.
4. **Plug #1 (Pictured Cliffs perforations and Fruitland top, 2870' - ^{2892'}2608')**: TIH and set 4.5" cement retainer at 2870'. Pressure test tubing to 1000#. Load and circulate well clean. Pressure test casing to 500#. *If casing does not test, then spot or tag subsequent plug as appropriate.* Mix ²¹⁷⁸21 sxs Type III cement and set a balanced plug above retainer to isolate the Pictured Cliffs perforations and cover through the Fruitland top. TOH with tubing.
5. **Plug #2 (Kirtland and Ojo Alamo tops, ²¹⁷⁸2190' - ¹⁹⁶⁰1975')**: Perforate 3 squeeze holes at ²¹⁷⁸2190'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 4.5" cement retainer at 2140'. Establish rate into squeeze holes. Mix and pump ⁹²92 sxs Type III cement, squeeze ⁷⁴74 sxs outside the casing and leave ¹⁸18 sxs inside casing. TOH with tubing.
6. **Plug #3 (Nacimiento top, ⁵⁶⁷938' - ^{467'}838')**: Perforate 3 squeeze holes at ^{567'}938'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 4.5" cement retainer at 888'. Establish rate into squeeze holes. Mix and pump 46 sxs Type III cement, squeeze 35 sxs outside the casing and leave 11 sxs inside casing. TOH and LD tubing.
7. **Plug #4 (8.625" casing shoe, 399' - Surface)**: Perforate 3 squeeze holes at 399'. Establish circulation out bradenhead. Mix and pump 115 sxs Type III cement down 4.5" casing and circulate good cement out bradenhead from 399'. 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.

Graham B WN Fed #5

Current

South Blanco Pictured Cliffs, API #30-045-11604
1000' FSL, 1790 FWL, SW, Section 4, T-27-N, R-8-W

San Juan County, NM / Lat: N _____ / Long: W _____

Today's Date: 3/15/06

Spud: 3/24/66

Completed: 4/24/66

Elevation: 6735' GI
6745' KB

Nacimiento @ 888'

Ojo Alamo @ 2025'

Kirtland @ 2140'

Fruitland @ 2658'

Pictured Cliffs @ 2920'

12.25" hole

7.875" hole

8.625" 24#, J-55 Casing set @ 349'
Cement with 250 sxs (Circulated to Surface)

WELL HISTORY

Apr '78: TOH with tubing, run bit and scraper
to 2973'. Run Baker Model A2 packer at
2912' in 8000# tension with tubing.

2.375" tubing at 2911'
(101 joints, 4.7#, J-55, SN @
2911' and Packer at 2912')

TOC @ 2207' (Calc, 75%)

Baker Model A2 Loc Set packer
@ 2912' (1978)

Pictured Cliffs Perforations:
2920' - 2932'

4.5" 9.5#, J-55 Casing set @ 3191'
Cement with 200 sxs (298 cf)

3500' - 3600' 38 sxs (1966)

4550' - 4650' 33 sxs (1966)

5250' - 5350' 33 sxs (1966)

7250' - 7350' 33 sxs (1966)

TD 7450'
PBTD 3154'

Graham B WN Fed #5

Proposed P&A

South Blanco Pictured Cliffs, API #30-045-11604
1000' FSL, 1790 FWL, SW, Section 4, T-27-N, R-8-W

San Juan County, NM / Lat: N _____ / Long: W _____

Today's Date: 3/15/06
Spud: 3/24/66
Completed: 4/24/66
Elevation: 6735' GI
6745' KB

Nacimiento @ 888'

Ojo Alamo @ 2025'

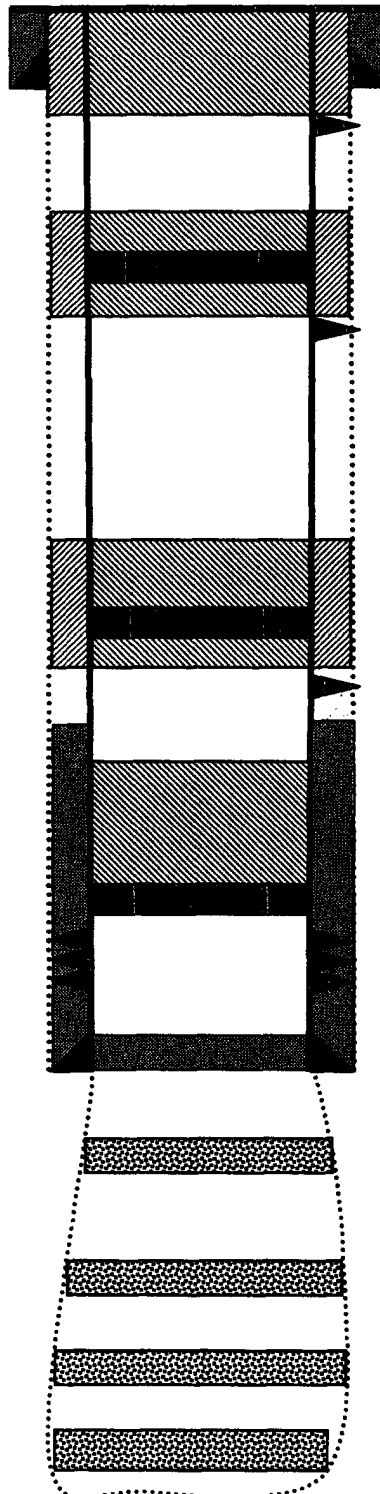
Kirtland @ 2140'

Fruitland @ 2658'

Pictured Cliffs @ 2920'

12.25" hole

7.875" hole



Plug #4: 399' - 0'
Type III cement, 115 sxs

8.625" 24#, J-55 Casing set @ 349'
Cement with 250 sxs (Circulated to Surface)

Perforate @ 399'

Plug #3: 938' - 838'
Type III cement, 46 sxs
35 outside and 11 inside

Cmt Retainer @ 888'

Perforate @ 938'

Plug #2: 2190' - 1975'
Type III cement, 92 sxs
74 outside and 18 inside

Cmt Retainer @ 2140'

Perforate @ 2190'

TOC @ 2207' (Calc, 75%)

Plug #1: 2870' - 2608'
Type III cement, 21 sxs

Set CR @ 2870'

Pictured Cliffs Perforations:
2920' - 2932'

4.5" 9.5#, J-55 Casing set @ 3191'
Cement with 200 sxs (298 cf)

3500' - 3600' 38 sxs (1966)

4550' - 4650' 33 sxs (1966)

5250' - 5350' 33 sxs (1966)

7250' - 7350' 33 sxs (1966)

TD 7450'
PBTD 3154'