

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. Lease

NMNM-03733

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals)

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Well Name and No.

BREECH 312

9. API Well No.

30-039-06443-00S1

10. Field and Pool, Exploratory Area

PICTURED CLIFFS

11. Country or Parish, State

Rio Arriba Co., New Mexico

1. Oil Well ☐ Gas Well ☐ Other ☐  
GAS WELL

2. Name of Operator:

Caulkins Oil Company

3. Address of Operator:

(505) 632-1544

P.O. Box 340, Bloomfield, NM 87413

4. Location of Well (Footage, Sec., Twp., Rgc.)

990' F/S 1650' F/W

SEC. 18-26N-6W

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☒ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment Notice

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut-Off

☐ Altering Casing

☐ Conversion to Injection

☐ Other \_\_\_\_\_

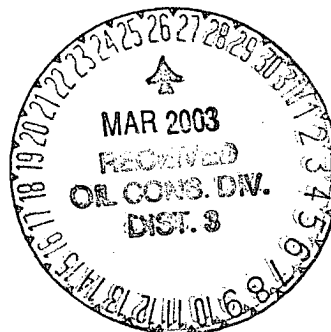
☐ Dispose Water

17. Describe Proposed or Completed Operations:

3-5-03

Caulkins Oil Company plans to plug and abandon this well per the attached procedure.

Estimated starting date, April 10, 2003



NOTE: The format is issued in lieu of U.S. BLM Form 3160-5

18. I HEREBY CERTIFY THE FOREGOING IS TRUE AND CORRECT

SIGNED:

Robert L. Verquer  
ROBERT L. VERQUER

TITLE: Superintendent

DATE: March 5, 2003

APPROVED BY: Original Signed: Stephen Mason  
CONDITIONS OF APPROVAL, IF ANY

TITLE: \_\_\_\_\_

DATE: 3/24/03

NMOC

## PLUG AND ABANDONMENT PROCEDURE

February 11, 2003

### **Breech #312**

South Blanco Pictured Cliffs  
990' FSL & 1650' FWL Section 18, T26N, R6W  
Rio Arriba County, New Mexico  
API #30-039-06443

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 is ASTM Type II, mixed at 15.6ppg with a yield of 1.18 cf/sx.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Caulkins safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and LD 2844' of 1" tubing. Prepare a 2-3/8" workstring. Round-trip 4-1/2" casing scraper or gauge ring to 2877'.
3. **Plug #1 (Pictured Cliffs perforations and Fruitland, Kirtland tops, 2877' – 2360')**: RIH and set 4-1/2" cement retainer at 2877'. TIH with workstring and sting into retainer. Sting out and load casing with water and circulate the well clean. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 44 sxs cement and spot a balanced plug inside casing above the retainer to isolate the Pictured Cliffs perforations and to cover through the Kirtland top. TOH with tubing.
4. **Plug #2 (Ojo Alamo top, 2210' – 2110')**: Perforate 3 squeeze holes at 2210'. RIH and set 4-1/2" CR at 2160'. Establish rate below the CR into squeeze holes. Mix 51 sxs cement, squeeze 39 sxs cement outside 4-1/2" casing and leave 12 sxs cement inside casing to cover the Ojo Alamo top. TOH with tubing.
5. **Plug #3 (Nacimiento top, 1160' – 1060')**: Perforate 3 squeeze holes at 1160'. RIH and set 4-1/2" CR at 1110'. Establish rate below the CR into squeeze holes. Mix 51 sxs cement, squeeze 39 sxs cement outside 4-1/2" casing and leave 12 sxs cement inside casing to cover the Nacimiento top. TOH and LD tubing.
6. **Plug #4 (8-5/8" Surface casing, 168' - Surface)**: Perforate 2 squeeze holes at 168'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 60 sxs cement down the 4-1/2" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
7. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

# Breech #312 Current

South Blanco Pictured Cliffs

SW, Section 18, T-26-N, R-6-W, Rio Arriba County, NM

API # 30-039-06443

Today's Date: 2/11/03

Spud: 12/9/57

Completed: 12/29/57?

Completed: 10/1/79

Elevation: 6676' GL  
6684' KB

Nacimiento @ 1110'

Ojo Alamo @ 2160'

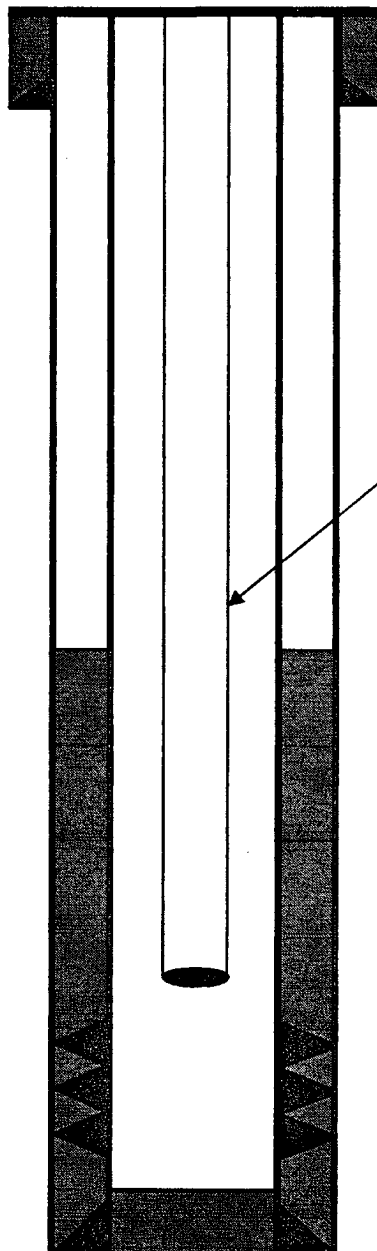
Kirtland @ 2410'

Fruitland @ 2660'

Pictured Cliffs @ 2920'

15" hole

7-7/8" Hole



8-5/8" 24# J-55 Casing set @ 118'  
Cement with 80 sxs, Circulated to Surface

## Well History

Oct 79': 2-3/8" tubing pulled, well re-  
fraced and 1" tubing run in well.

1" Tubing @ 2844'

TQC @ 2224' (Calc, 75%)

Pictured Cliffs Perforations:  
2927' - 2986'

4-1/2" 9.5#, J-55 Casing set @ 3001'  
Cement with 200 sxs

TD 3002'

# Breech #312

## Proposed P&A

South Blanco Pictured Cliffs

SW, Section 18, T-26-N, R-6-W, Rio Arriba County, NM

API # 30-039-06443

Today's Date: 2/11/03

Spud: 12/9/57

Completed: 12/29/57

Completed: 10/1/79

Elevation: 6676' GL  
6684' KB

15" hole

Nacimiento @ 1110'

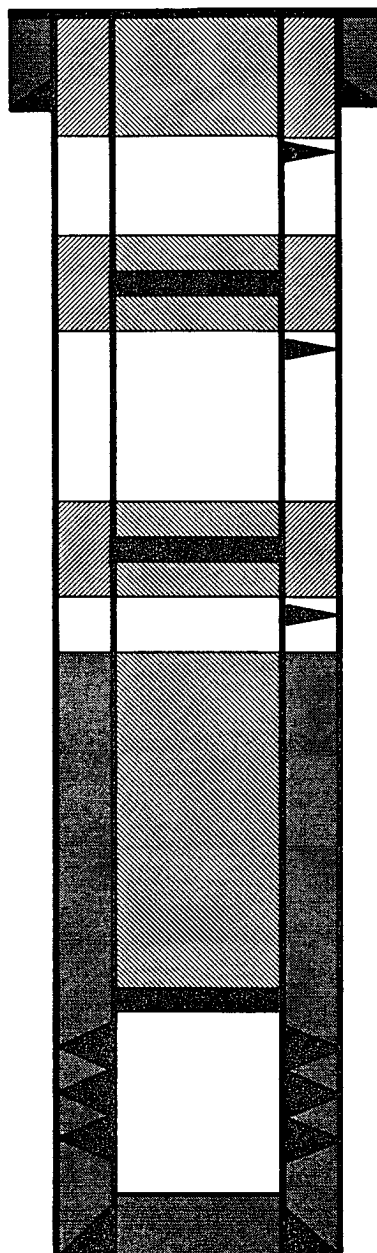
Ojo Alamo @ 2160'

Kirtland @ 2410'

Fruitland @ 2660'

Pictured Cliffs @ 2920'

7-7/8" Hole



8-5/8" 24# J-55 Casing set @ 118'  
Cement with 80 sxs, Circulated to Surface

Perforate @ 168'

Plug #4: 168' - Surface  
Cement with 60 sxs

Cmt Retainer @ 1110'

Plug #3: 1160' - 1060'  
Cement with 51sxs, 39  
outside and 12 inside

Perforate @ 1160'

Cmt Retainer @ 2160'

Plug #2: 2210' - 2110'  
Cement with 51sxs, 39  
outside and 12 inside

Perforate @ 2210'

TOC @ 2224' (Calc, 75%)  
TOC @ 2224' (Calc, 75%)

Plug #1: 2877' - 2360'  
Cement with 44 sxs

Set Cmt Retainer @ 2877'

Pictured Cliffs Perforations:  
2927' - 2986'

4-1/2" 9.5#, J-55 Casing set @ 3001'  
Cement with 200 sxs

TD 3002'