

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Frances Dr.
Santa Fe, New Mexico 87505

WELL APT NO.

30-039-06800

5. Indicate Type of Lease

STATE ☐ ~~EE~~ ☐

6. State Oil & Gas Lease No.

NMNM-03547

7. Lease Name or Unit Agreement Name

BREECH "F"

8. Well No.

25

9. OGRID Number

003824

Pool Name or Wildcat

PICTURED CLIFFS

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR TO PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well

Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator

Caulkins Oil Company

3. Address of Operator

1409 W. Aztec Blvd., Suite B7, Aztec, NM 87410

4. Well Location

Unit Letter L : 1650' feet from the South line and 1090' feet from the West line

33 Section 27N Township 6W Range NMPM Rio Arriba County

10. Elevation (Show Whether DF,RKB,RT,GR,etc.)

6644 DF

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type Workover Depth to Groundwater 190' Distance from nearest fresh water well 1 1/2 mile Distance from nearest surface water 1 mile

Pit Liner thickness: 12 mil Below-grade Tank: Volume 100 bbls; Construction Material Earth

NOTICE OF INTENTION TO:

Perform Remedial Work ☐ Plug and Abandon ☒

Temporarily Abandon ☐ Change Plans ☐

Pull or Alter Casing ☐ Multiple Completion ☐

Other: ☐

SUBSEQUENT REPORT OF:

Remedial Work ☐ Altering Casing ☐

Commence Drilling Opns. ☐ Plug and Abandonment ☐

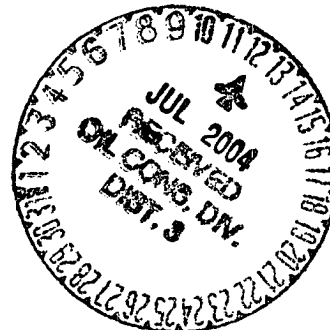
Casing Test and Cement Job ☐

Other: ☐

12. Describe Proposed or Completed Operations

7-9-04 Temporary workover pit will be dug and lined with 12 mil thick plastic to contain cement waste water from plug and abandonment operations.

Please see attached procedure for plug and abandonment.



NOTE: This format is in lieu of State Form C-103.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert L. Verquer
ROBERT L. VERQUER

TITLE Superintendent DATE July 9, 2004
Ph. (505) 334-4323

(This space for State Use)

APPROVED BY Denny Feeney TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE JUL 12 2004

CONDITIONS OF APPROVAL, IF ANY:

PLUG AND ABANDONMENT PROCEDURE

July 2, 2004

Breech F #25

South Blanco Pictured Cliffs
1650' FSL & 1090' FWL Section 33, T27N, R6W
Rio Arriba County, New Mexico, API #30-039-06800-00S1

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 III, mixed at 14.5 ppg with a yield of 1.39 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 3170' of 1" tubing. Prepare 2-3/8" workstring. Make a 2-7/8" gauge ring run to 3156'.
3. **Plug #1 (Pictured Cliffs Interval, 5-1/2" casing shoe, and Fruitland tops, 3056' – 2795')**: GIH and set 2-7/8" cement retainer or bridge plug at 3156'. Pressure test tubing to 1000 psi. 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 31 sxs cement and spot a balanced plug inside casing above the retainer to isolate the 5-1/2" casing shoe, Pictured Cliffs, and Fruitland tops. POH with tubing to 2670'.
4. **Plug #2 (Kirtland, Ojo Alamo, and Nacimiento tops, 2670' – 2425')**: Mix 30 sxs cement and spot a balanced plug inside casing to cover the Kirtland, Ojo Alamo, and Nacimiento tops. LD tubing to 1443' and TOH.
5. **Plug #3 (Nacimiento top, 1493' – 1393')**: Made a 5-1/2" gauge ring run to 1443'. Perforate 3 squeeze holes at 1493'. TIH and set 5-1/2" CR at 1443'. Establish rate below the CR into squeeze holes and attempt to establish circulation out the bradenhead. With bradenhead valve open, mix 43 sxs cement, squeeze 27 sxs cement outside 5-1/2" casing and leave 16 sxs cement inside casing to cover the Nacimiento top. LD remaining tubing.
6. **Plug #4 (10-3/4" casing shoe and surface, 459' - Surface)**: Perforate 3 squeeze holes at 459'. Establish circulation out the bradenhead valve with water and circulate clean. Mix and pump approximately 184 sxs cement down the 5-1/2" casing and 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 F #25

Current

South Blanco Pictured Cliffs

SW, Section 33, T-27-N, R-6-W, Rio Arriba County, NM

API # 30-039-06800-00S1

Today's Date: 07/02/04

Spud: 05/31/52

Completed: 06/11/52

Elevation: 6644' DF

13-1/2" hole

10-3/4" 32.75# Casing set @ 409'
Cement with 175 sxs

Well History:

11/74: Fracture treat open hole section with
40,000# sand.

10/80: Run 2-7/8" liner from 3016' to 3202'
Cement with 50 sxs. Perforate from
3106' - 3157' and fracture treat with
30,000# sand. Run 1" tubing to 3170'

Nacimiento @ 1443'

TOC @ 2153' (Calc, 70%)

1" Tubing @ 3170'

Ojo Alamo @ 2475'

Kirtland @ 2620'

Fruitland @ 2845'

Pictured Cliffs @ 3107'

7-7/8" Hole

5-1/2" 15.5#, Casing set @ 3106'
Cement with 200 sxs

Pictured Cliffs Perforations:
3106' - 3157'

4-3/4" Hole

2-7/8" 6.5#, Liner set from 3016' to 3202'
Cement with 50 sxs

TD 3202'

Breech F #25

Proposed P&A

South Blanco Pictured Cliffs

SW, Section 33, T-27-N, R-6-W, Rio Arriba County, NM

API # 30-039-06800-00S1

Today's Date: 07/02/04

Spud: 05/31/52

Completed: 06/11/52

Elevation: 6644' DF

13-1/2" hole

Nacimiento @ 1443'

Ojo Alamo @ 2475'

Kirtland @ 2620'

Fruitland @ 2845'

Pictured Cliffs @ 3107'

7-7/8" Hole

4-3/4" Hole

10-3/4" 32.75# Casing set @ 409'
Cement with 175 sxs

Perforate @ 457'

Cmt Retainer @ 1443'

Perforate @ 1493'

TOC @ 2153' (Calc, 70%)

Plug #4: 457' – Surface
Cement with approximately
184 sxs Type III

Plug #3: 1493' – 1393'
Cement with 43sxs Type III,
27 outside and 16 inside

Plug #2: 2670' – 2425'
Cement with 30 sxs Type III

Plug #1: 3056' – 2795'
Cement with 29 sxs Type III

Cmt Retainer or CIBP @ 3056'

5-1/2" 15.5#, Casing set @ 3106'
Cement with 200 sxs

Pictured Cliffs Perforations:
3106' – 3157'

2-7/8" 6.5#, Liner set from 3016' to 3202'
Cement with 50 sxs

TD 3202'