

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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)

5. Lease

NMNM-03551

RECEIVED

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Well Name and No.

BREECH "E" 85

9. API Well No.

30-039-06675-00S1

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., Rge.)

1700' F/S 1100' F/W

SEC. 4-26N-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, March 31, 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

NMOCD

PLUG AND ABANDONMENT PROCEDURE

February 20, 2003

Breach E #85

South Blanco Pictured Cliffs

1700' FSL & 1100' FWL Section 4, T26N, R6W

Rio Arriba County, New Mexico, API #30-039-06675

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 2880' of 1" tubing. Prepare 2-3/8" workstring. Round trip 5-1/2" scraper to 2850'.
3. **Plug #1 (Pictured Cliffs open hole, and Fruitland, Kirtland, Ojo Alamo tops, 2850' – 2120'):** TIH and set 5-1/2" cement retainer at 2850'. 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 49 sxs cement and spot a balanced plug inside casing above the retainer to isolate the Pictured Cliffs open hole and cover through the Ojo Alamo top. TOH with tubing.
4. **Plug #2 (Nacimiento top, 1110' – 1010'):** Perforate 3 squeeze holes at 1110'. TIH and set 5-1/2" CR at 1060'. Establish rate below the CR into squeeze holes and attempt to establish circulation out the bradenhead. With bradenhead valve open, mix 47 sxs cement, squeeze 30 sxs cement outside 5-1/2" casing and leave 17 sxs cement inside casing to cover the Nacimiento top. TOH with tubing.
5. **Plug #3 (8-5/8" casing shoe and surface, 469' - Surface):** Perforate 3 squeeze holes at 469'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 137 sxs cement down the 5-1/2" casing and to circulate good cement out bradenhead valve. Shut well in and WOC.
6. 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 E #85 **Current**

South Blanco Pictured Cliffs
SW, Section 4, T-26-N, R-6-W, Rio Arriba County, NM
API # 30-039-06675

Today's Date: 2/17/03
Spud: 8/29/51
Completed: 10/22/51

Elevation: 6456' KB

Nacimiento @ 1060'

Ojo Alamo @ 2170'

Kirtland @ 2375'

Fruitland @ 2625'

Pictured Cliffs @ 2890'

12-1/4" hole

7-7/8" Hole

8-5/8" 24# J-55 Casing set @ 419'
Cement with 160 sxs, Circulated to Surface

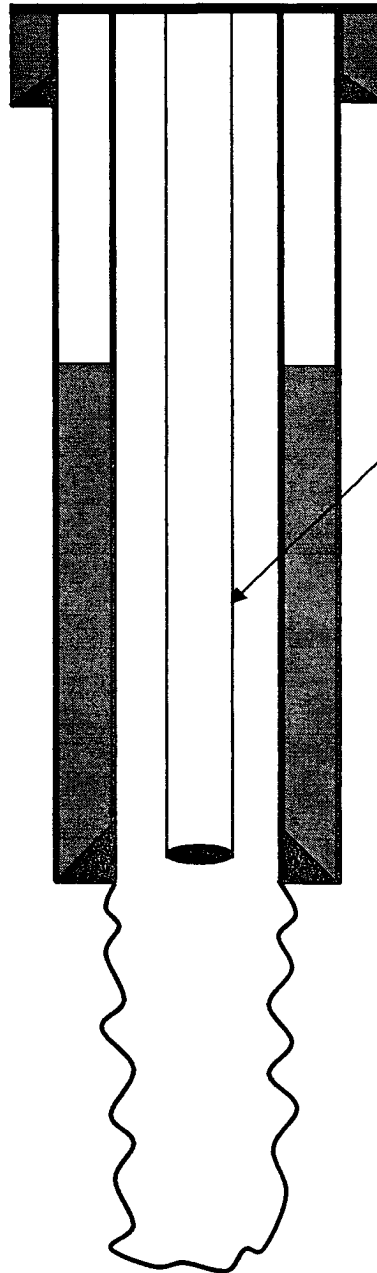
TOC @ 1807' (Calc, 75%)

1" Tubing @ 2880'

5-1/2" 9.5#, J-55 Casing set @ 2880'
Cement with 210 sxs

Pictured Cliffs Open Hole:
2880' - 2967'

TD 2967'



Breech E #85

Proposed P&A

South Blanco Pictured Cliffs

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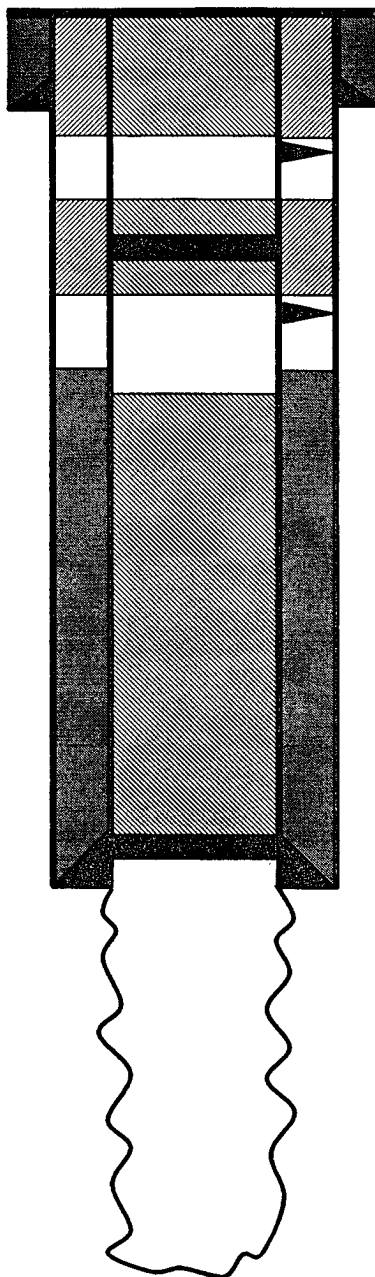
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Pictured Cliffs @ 2890'

12-1/4" hole

7-7/8" Hole



8-5/8" 24# J-55 Casing set @ 419'
Cement with 160 sxs, Circulated to Surface

Plug #3: 469' – Surface
Cement with approx 137 sx

Cmt Retainer @ 1060'

Plug #2: 1110' – 1010'
Cement with 47sxs, 30
outside and 17 inside

Perforate @ 1110'

TOC @ 1807' (Calc, 75%)

Plug #1: 2850' – 2120'
Cement with 89 sxs

Cmt Retainer @ 2850'

5-1/2" 9.5#, J-55 Casing set @ 2880'
Cement with 210 sxs

Pictured Cliffs Open Hole:
2880' – 2967'

TD 2967'