

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

WELL AP. NO.

30-039-25690

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

NMNM-03733

7. Lease Name or Unit Agreement Name

BREECH

8. Well No.

377

9. OGRID Number

003824

Pool Name or Wildcat

DAKOTA, GALLUP, 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 M : 1165' feet from the South line and 1025' feet from the West line
23 Section 26N Township 7W Range NMPM Rio Arriba County

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

6917 GR

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type Workover Depth to Groundwater 220' Distance from nearest fresh water well 1 1/4 mile Distance from nearest surface water 3/4 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: Plug Back to Pictured Cliffs ☒

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 back operations.

Please see attached procedure for plug back.



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

Gerry Faint

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. 3

DATE

JUL 12 2004

CONDITIONS OF APPROVAL IF ANY:

PLUGBACK PROCEDURE

July 6, 2004

Breach #377

Basin Dakota, Ice Canyon Gallup, Blanco Mesaverde, Otero Chacra, Pictured Cliffs
1165' FSL & 1025' FWL Section 33, T-26-N, R-7-W
Rio Arriba County, New Mexico, API #30-039-25690

Note: All cement is ASTM Type III, mixed at 14.5 ppg with a yield of 1.39 cf/sx. Minimize the use of pipe dope during plugback and allow well to blow throughout procedure.

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 well down; if necessary kill well with 2% KCL – DO NOT USE FRESH WATER. ND tree and NU BOP. Function test BOP.
2. TOH and LD 7426' of 2-7/8" tubing. Make a 5-1/2" gauge ring run to 7150'.
3. **Plug #1 (Dakota, 7315' – 7265')**: RU wireline and lubricator. GIH and set 5-1/2" CIBP at 7315'. Dump bail 5 sxs (50') of cement on top of the bridge plug up to 7265' to cover the Dakota top.
4. **Plug #2 (Gallup, 6323' – 6273')**: GIH and set 5-1/2" CIBP at 6323'. Dump bail 5 sxs (50') of cement on top of the bridge plug up to 6273' to cover the Gallup top.
5. **Plug #3 (Mesaverde, 4637' – 4587')**: GIH and set 5-1/2" CIBP at 4637'. Dump bail 5 sxs (50') of cement on top of the bridge plug up to 4587' to cover the Mesaverde top.
6. **Plug #4 (Chacra, 3855' – 3805')**: GIH and set 5-1/2" CIBP at 3855'. Dump bail 5 sxs (50') of cement on top of the bridge plug up to 3805' to cover the Chacra top.
7. PU and tally 2-3/8" tubing string and RIH as directed to +/- 3060'.
8. ND BOP and NU tree. Hookup flowlines and place well back to production.

Breach #377

Current

Basin Dakota, Ice Canyon Gallup, Blanco Mesaverde, Otero Chacra, Pictured Cliffs

SW, Section 23, T-26-N, R-7-W, Rio Arriba County, NM

API #30-039-25690

Diagram Date: 07/06/04
Spud Date: 09/14/97
Completion Date: 09/28/97
Elevation: 6917' GL
6929' KB

12-1/4" hole

9-5/8", 36#, J55 Casing set @ 321'
Cement with 180 cf, Circulated to Surface

Well History

Jan '98: Complete well as commingled DK, GA.

Mar '98: Repair packer leak.

Nov '98: Recomplete well as commingled dual; DK, GA, MV and Chacra, PC.

May '99: Squeeze Chacra perforations w/ 200 sxs and complete well as commingled DK, GA, MV, PC.

July '00: Run 2-3/8" tbg w/ packers at 5467' and 3116' and reverse flow checks at 5434' and 3083'.

Oct '02: Test casing intervals and chase RBP to 7500' and left in hole. Run 2-7/8" tbg to 7424'.

Apr '03: Squeeze MV perforations w/ 249 sxs and complete well as commingled DK, GA, PC. Run 2-7/8" tbg to 7426'.

Nacimiento @ 1878'

Ojo Alamo @ 2280'

Kirtland @ 2464'

Fruitland @ 2762'

Pictured Cliffs @ 2981'

Chacra @ 3865'
Squeezed w/ 200 sxs 05/99

Mesaverde @ 4647'
Squeezed w/ 249 sxs 04/03

Gallup @ 6323'

Dakota @ 7315'

2-7/8" Tubing @ 7426'
8RD EUE

Pictured Cliffs Perforations:
2986' - 3060'

Stage Tool @ 3560'
Cmt with 982 cf (circ cmt at surface)

Chacra Perforations:
3865' - 3885'

Mesaverde Perforations:
4647' - 5534'

Stage Tool @ 5568'
Cmt with 595 cf (circ cmt at surface after 2nd stage)

Gallup Perforations:
6455' - 6892'

Dakota Perforations:
7328' - 7499'

7-7/8" Hole

TD 7565'

5-1/2", 15.5 & 17#, J55 Casing set @ 7565'
Cmt with 592 cf (circ cmt at surface after 1st stage)

Breech #377

Proposed Plugback

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Cement with 180 cf, Circulated to Surface

Nacimiento @ 1878'

Ojo Alamo @ 2280'

Kirtland @ 2464'

Fruitland @ 2762'

Pictured Cliffs @ 2981'

2-3/8" Tubing @ +/- 3030'
8RD EUE

Pictured Cliffs Perforations:
2986' - 3060'

Stage Tool @ 3560'
Cmt with 982 cf (circ cmt at surface)

Chacra @ 3865'
Squeezed w/ 200 sxs 05/99

Set CIBP @ 3855'

Chacra Perforations:
3865' - 3885'

Plug #4: 3855'-3805'
Cement with 5 sxs

Mesaverde @ 4647'
Squeezed w/ 249 sxs 04/03

Set CIBP @ 4637'

Mesa Verde Perforations:
4647' - 5534'

Plug #3: 4637'-4587'
Cement with 5 sxs

Stage Tool @ 5568'
Cmt with 595 cf (circ cmt at surface after 2nd stage)

Gallup @ 6323'

Set CIBP @ 6303'

Gallup Perforations:
6455' - 6892'

Plug #2: 6323'-6273'
Cement with 5 sxs

Dakota @ 7315'

Set CIBP @ 7150'

Dakota Perforations:
7328' - 7499'

Plug #1: 7315'-7265'
Cement with 5 sxs

7-7/8" Hole

5-1/2", 15.5 & 17#, J55 Casing set @ 7565'
Cmt with 592 cf (circ cmt at surface after 1st stage)

TD 7565'