

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other

2. NAME OF OPERATOR

Chace Oil Company, Inc.

3. ADDRESS OF OPERATOR

313 Washington, SE, Albuquerque, NM 87108

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

Unit 'M' - 400' FSL & 400' FWL

AT SURFACE:

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
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☐
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☐

5. LEASE

Tribal Contract #70

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla Tribal Contract #70

9. WELL NO.

11-18

10. FIELD OR WILDCAT NAME

S. Lindrith Gallup Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 34, T24N, R4W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

7096' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached Well History, 7/25/83 thru 7/27/83.

RECEIVED

AUG 15 1983

OIL CON. DIV.

DIST. 3

Subsurface Safety Valve: Manu. and Type

Set @

Ft.

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

SIGNED

D. W. Miller

TITLE President

DATE

August 4, 1983

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

AUG 12 1983

*See Instructions on Reverse Side

NMOCC

FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

BY

sm

70-18 COMPLETION

7/25/83:

9:48 A. M. Tag cement at 3078', 171' above D. V. tool. Drill out
D. V. tool @ 3249'.

2:15 P. M. Tag cement on top of float collar @ 7275'.
Clean casing out to float collar @ 7367'

4:41 P. M. Pressure test casing to 4000 PSI.
Circulate hole with 2% Kcl water.

5:20 P. M. Spot 250 gal. 7½% Hcl from 7273' up hole.
TOOH with tubing.

8:00 P. M. Log from TD to 5850' - CBL & Correlation
Log from 5400' to 5000'
Log from 3250' to 2000'

11:23 P. M. Perforate Dakota 'D' @ 7245', 7253', 7255', 7257', 7259,
7262', 7263', 7266', 7268', 7273', 7277' - 4 SPF, 44 holes.

12:39 P. M. Break down Dakota 'D'.
Broke @ 2200 PSI
Establish rate 49 BPM @ 3200 PSI
Shut down. ISIP = 1100 PSI
Start balls
3 balls/bbl in 10 bbls. 30 balls.
10 bbl spacer
3 balls/bbl in 10 bbls 30 balls.
Increase rate to 50 BPM @ 3100 PSI

7/26/83:

Have a ball off at 4000 PSI

1:00 A. M. Start in hole with junk basket.
Recover 58 balls

DAKOTA 'D' FRAC

2:11 A. M. Start pad 52 BPM @ 3400 PSI

2:18 A. M. Start 0.5 lb sand 50 BPM @ 3600 PSI

2:21 A. M. 0.5 lb sand
on formation 49 BPM @ 3600 PSI

2:22 A. M. Start 1.0 lb sand 49 BPM @ 3600 PSI

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AUG 15 1983
OIL CON. DIV.
DIST. 3

70-18 Completion

2:24 A. M. 1.0 lb sand
on formation 50 BPM @ 3600 PSI

2:30 A. M. On 1 lb/gal sand 50 BPM @ 3500 PSI

2:32 A. M. 48 BPM @ 3600 PSI

2:34 A. M. 46 BPM @ 3750 PSI

2:38 A. M. High pressure Slow rate to 40 BPM @ 3750 PSI

2:39 A. M. High pressure Slow rate to 34 BPM @ 3500 PSI

2:43 A. M. Start 1.5 lb/gal sand 34 BPM @ 3400 PSI

2:47 A. M. 1.5 lb/gal sand
on formation 34 BPM @ 3400 PSI

2:54 A. M. 34 BPM @ 3400 PSI

2:58 A. M. Go to 1.0 lb/gal sand
2119 bbls away
33 BPM @ 3600 PSI

3:00 A. M. Cut sand due to high pressure
With 19 bbl flush away, shut down

3:15 A. M. Have a sand off.
ISIP = 1600
5 min = 1550
10 min = 1500
75,000 lbs sand away
2,125 bbls. H₂O

4:00 A. M. Start in hole with EZ drill bridge plug.

4:40 A. M. Set EZ drill bridge plug @ 7175'

5:04 A. M. Pressure test plug to 4000 PSI

5:35 A. M. Trip in hole with tubing.
Spot 400 gal. 7½% Hcl from 7114' up hole.

9:15 A. M. Perforate Greenhorn @ 7013', 7015', 7018', 7023', 7027',
7029', 7032', 7036' - 4 SPF, 32 holes

9:15 A. M. Perforate Dakota 'A' at 7087', 7089', 7091', 4 SPF, 12 holes

9:45 A. M. Break down perforations.
Broke @ 2000 PSI
Establish rate 42 BPM @ 3200 PSI

70-18 Completion

ISIP = 1400 PSI

10:09 A. M. Perforate Dakota 'A' @ 7095', 7097', 7099', 7101', 7103',
7105', 7108', 7112', 7114' - 4 SPF, 36 holes.

Total perforations: 80

10:27 A. M. Break down perforations.

Establish rate 49 BPM @ 3000 PSI

ISIP = 1400 PSI

Start balls. 5 balls/bbl in 12 bbls.

10 bbl spacer

5 balls/bbl in 12 bbls - Total: 120 balls

Increase rate to 48 BPM

10:38 A. M. Have ball off @ 4000 PSI

10:45 A. M. Start in hole with junk basket

Recover 120 balls

DAKOTA 'A', GREENHORN FRAC

11:52 A. M. Start pad. 54 BPM @ 3200 PSI

11:58 A. M. Start 0.5 lb sand 53 BPM @ 3400 PSI

12:00 P. M. 0.5 lb sand
on formation 53 BPM @ 3400 PSI

12:02 P. M. Start 1.0 lb sand 53 BPM @ 3400 PSI

12:04 P. M. 1.0 lb sand
on formation 53 BPM @ 3375 PSI

12:10 P. M. On 1.0 sand 51 BPM @ 3300 PSI

12:20 P. M. Start 1.5 lb sand 50 BPM @ 3200 PSI

12:22 P. M. 1.5 lb sand
on formation 50 BPM @ 3250 PSI

On 1.5 sand 49 BPM @ 3350 PSI

12:36 P. M. Start flush 49 BPM @ 3400 PSI

Shut down. Flush away.

ISIP = 2000 PSI

5 min = 1700 PSI

10 min = 1650 PSI

15 min = 1600 PSI

70-18 Completion

Total sand = 90,000 lbs

Total water = 2,438 bbls

1:05 P. M. Start in hole with Baker retrievable bridge plug.

1:37 P. M. Set plug @ 6320'.

1:59 P. M. Pressure test plug to 4000 PSI.

Spot 7 gal. sand on plug.

Spot 250 gal 7½% Hcl from 6263' up hole.

7:12 P. M. Perforate Gallup @ 6056', 6058', 6060', 6066', 6075',
6078', 6082', 6115', 6122', 6131', 6139' - 4 SPF, 44 holes.

7:30 P. M. Break down Gallup perforations.

Broke @ 1400 PSI

Establish rate 52 BPM @ 2400 PSI

ISIP = 300 PSI

7:42 P. M. Perforate Gallup zone @ 6144', 6146', 6203', 6207', 6211',
6213', 6215', 6218', 6221', 6224', 6228' - 4 SPF, 44 holes.

8:13 P. M. Perforate Gallup @ 6242', 6246', 6248', 6251', 6253', 6257',
6259', 6263' - 4 SPF, 32 holes.

Total perforations = 120

8:30 P. M. Start balls - 5 balls/bbl in 17 bbls.

10 bbl spacer

5 balls/bbl in 17 bbls

Total of 170 balls

Increase rate to 52 BPM @ 1800 PSI

Have a ball off @ 4200 PSI

8:45 P. M. Start in hole with junk basket

Recover 167 balls.

Wait for Western.

10:37 P. M. Start pad 91 BPM @ 3500 PSI

10:46 P. M. Start 0.5 lb sand 91 BPM @ 3500 PSI

10:47 P. M. 0.5 lb sand
on formation 91 BPM @ 3400 PSI

10:48 P. M. Start 1.0 sand 92 BPM @ 3400 PSI

Jicarilla Apache 70-18 Completion

10:49 P. M.	1.0 lb sand on formation	93 BPM @ 3400 PSI
	On 1.0 lb sand	89 BPM @ 3500 PSI
11:02 P. M.	On 1.0 lb sand	86 BPM @ 3550 PSI
11:03 P. M.	On 1.0 lb sand	84 BPM @ 3600 PSI
11:06 P. M.	On 1.0 lb sand	80 BPM @ 3650 PSI

Slow rate due to high pressure.

11:07 P. M. Cut sand. 2,460 bbls away.

Shut down @ 4000 PSI. Have a sand off.

Total sand in formation: 67,700 lbs.

Total fluid: 2,389 bbls.

7/27/83: ISIP = 200 PSI

1:30 A. M. Open well up. Flow Gallup formation back.

7:40 A. M. Clean out 16 joints of sand.

Retrieve bridge plug set @ 6320'.

Start in hole with mill. Mill up bridge plug
set @ 7175'.

Clean out casing to 7497'.

Land tubing @ 6414', 198 joints 2 3/8".