

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.)

AT SURFACE: Unit 'H' - 1670' FNL & 430' FEL

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:

RECEIVED

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

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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 Well History attached.

June 6, 1983 through June 8, 1983.

RECEIVED

JUN 17 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

L. W. Miller

TITLE

President

DATE

June 10, 1983

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY:

ACCEPTED FOR RECORD

JUN 16 1983

*See Instructions on Reverse Side

FARMINGTON DISTRICT

BY

[Signature]

NMOCC

JICARILLA 71-14 COMPLETION:

6/6/83:

- 9:30 A. M. Start picking up tubing and bit.
- 1:00 P. M. Tag cement @ 3167.88', 82' above D. V. tool.
- 4:00 P. M. D. V. tool drilled.
- 6:39 P. M. Tag cement at 7480.94' with 232 joints tubing with 10' stick up.
- 8:00 P. M. Drill out cement to float collar, 7651'.
Circulate for 30 minutes.
Hook up Western for pressure test.
- 8:55 P. M. Pressure test casing to 4000 PSI.
- 9:00 P. M. Circulate hole with 2% Kcl water.
- 10:00 P. M. Spot 250 gal. 7½% acetic acid from 7555' up hole.

6/7/83: Trip out of hole with tubing.

- 12:20 A. M. Start in hole with logging tools.
Loggers T. D. 7650'.
- 1:36 A. M. Log from T. D. to 7000'. CBL shows a micro annulus. Pressure up on casing.
- 2:16 A. M. Pressure up to 1000 PSI. Log from T. D. up to 5900'.
- 5:00 A. M. Perforate Dakota 'D' at 7528', 7533', 7539', 7541', 7544', 7547', 7550',
7552', 7555' - 4 SPF, 36 holes.
- 5:50 A. M. Break down Dakota 'D'.
Broke @ 1500 PSI
Establish rate 42 BPM @ 3900 PSI
ISIP = 900 PSI
- Start balls. 3 balls/bbl in 9 bbls.
10 bbl. spacer
3 ball/bbl in 9 bbls. @ 10 BPM
Increase rate to 48 BPM @ 3200 PSI
Ball Action. Have ball off 4000 PSI.
- 6:10 A. M. Start in hole with junk basket.
Recover 55 balls.

DAKOTA 'D' FRAC:

- 7:03 A. M. Start pad. 54 BPM @ 3350 PSI.
- 7:05 A. M. Have a leak @ well head. Shut down.
Tighten up well head bolts.
- 7:21 A. M. Start pad. 55 BPM @ 3400 PSI.
- 7:26 A. M. Start 0.5 lb sand 52 BPM @ 3700 PSI.

RECEIVED
JUL 11 1983
OIL FIELD DIV.
DIST. 3

71-14 Completion

7:28 A. M.	0.5 lb sand on formation	53 BPM @ 3550 PSI
7:30 A. M.	Start 1.0 lb sand	53 BPM @ 3550 PSI
7:32 A. M.	1.0 lb sand on formation	52 BPM @ 3400 PSI
7:34 A. M.		52 BPM @ 3500 PSI
7:36 A. M.	Slow rate to Slow rate to	48 BPM @ 3800 PSI 43 BPM @ 3800 PSI
7:39 A. M.		43 BPM @ 3500 PSI
7:50 A. M.	Start 1.5 lb sand	53 BPM @ 3300 PSI
7:53 A. M.	1.5 lb sand on formation	43 BPM @ 3400 PSI
7:59 A. M.		43 BPM @ 3350 PSI
8:10 A. M.	90,000 lbs. sand away. Go to flush Flush away. Shut down.	44 BPM @ 3200 PSI

Total sand: 90,000 lbs.

Total fluid: 2,443 bbls.

ISIP = 1500 PSI
5 min = 1225 PSI
10 min = 1150 PSI
15 min = 1050 PSI

8:40 A. M. Start in hole with bridge plug.

8:48 A. M. Collar locator not working. Come out of hole with plug.

9:31 A. M. Start in hole with bridge plug.

10:01 A. M. Set plug @ 7470'.

10:18 A. M. Pressure test plug to 4000 PSI.

10:40 A. M. Start in hole with tubing to spot acid.

11:55 A. M. Spot 400 gal. 7½% Hcl from 7384' up hole.
Trip out of hole with tubing.

2:42 P. M. Perforate Tocito formation @ 7065', 7067', 7069', 7072', 7074' - 4 SPF, 20 holes.
Perforate Greenhorn @ 7275', 7281', 7289', 7297', 7304', 7307' - 4 SPF, 24 holes.

3:05 P. M. Break down formations.
Broke @ 2000 PSI.
Establish rate 50 BPM @ 3300 PSI

71-14 Completion:

ISIP = 1400 PSI

3:30 P. M. Perforate Greenhorn formation @ 7311', 7320', 7324', 7326' - 4 SPF, 16 holes.

3:33 P. M. Perforate Dakota 'A' formation @ 7370', 7373', 7377', 7379', 7381', 7383',
7384', 4 SPF, 28 holes.

3:48 P. M. Break down all zones.
Broke @ 3600 PSI.
Establish rate 54 BPM @ 3300 PSI
ISIP = 1200 PSI

3:51 P. M. Start balls.
3 balls/bbl in 21 bbls. 63 balls.
10 bbl. spacer
3 balls/bbl in 22 bbls. 66 balls
Total of 129 balls.
Increase rate to 40 BPM @ 2400 PSI
Ball action.
Have a ball off at 4000 PSI

4:08 P. M. Start in hole with junk basket.
Recover 135 balls.

4:46 P. M. Start pad. 59 BPM @ 3200 PSI

4:50 P. M. Have a leak in frac line. Shut down.

5:04 P. M. Start pad. 56 BPM @ 3250 PSI

5:08 P. M. Start 0.5 lb sand 56 BPM @ 3350 PSI

5:10 P. M. 0.5 lb sand
on formation 55 BPM @ 3350 PSI

5:11 P. M. Start 1.0 lb sand 55 BPM @ 3300 PSI

5:13 P. M. 1.0 lb sand
on formation 56 BPM @ 3150 PSI

5:14 P. M. Pump went down. Rate
went down to 50 BPM @ 2800 PSI
Have a leak. Shut another pump down.
38 BPM @ 2500 PSI

5:24 P. M. 44 BPM @ 2900 PSI

5:31 P. M. Start 1.5 lb sand 41 BPM @ 2800 PSI

5:33 P. M. 1.5 lb sand
on formation 41 BPM @ 2800 PSI

5:49 P. M. Start flush 40 BPM @ 2950 PSI

5:51 P. M. Flush away. Shut down.
ISIP = 1900 PSI
5 min = 1450 PSI

71-14 Completion:

10 min = 1375 PSI

15 min = 1300 PSI

Total sand: 80,000 lbs.

Total fluid: 2,277 bbls.

6:10 P. M. Start in hole with Baker retrievable bridge plug

7:02 P. M. Set plug @ 6650'.

7:26 P. M. Pressure test plug to 4000 PSI.

7:46 P. M. Start in hole with dump bailer.

8:24 P. M. Spot 7 gal. sand on plug.

8:45 P. M. Trip in hole with tubing to spot acid over Gallup.
Spot 450 gal. 7½% Hcl from 6573' up hole.

6/8/83:

1:26 A. M. Perforate Gallup formation @ 6010', 6031', 6052', 6055', 6073', 6211', 6222', 6289', 6299', 6308', 6340', 3 SPF, 33 holes.

1:47 A. M. Break down Upper Gallup perforations.
Broke @ 1400 PSI
Establish rate. 51 BPM @ 2100 PSI
ISIP = 200 PSI

2:10 A. M. Perforate Gallup formation @ 6344', 6351', 6357', 6363', 6380', 6386', 6390', 6394', 6398', 6404', 6421' - 3 SPF, 33 holes.

2:47 A. M. Perforate Gallup @ 6428', 6441', 6444', 6448', 6451', 6456', 6459', 6461', 6470', 6490', 6492' - 3 SPF, 33 holes.

3:29 A. M. Perforate Gallup @ 6497', 6500', 6505', 6510', 6527', 6541', 6548', 6550', 6569', 6573', 3 SPF, 30 holes.

3:52 A. M. Break down Gallup formation.
Broke @ 1200 PSI.
Establish rate. 85 BPM @ 2700 PSI.
ISIP = 300 PSI.

3:55 A. M. Start balls. 5 balls/bbl in 18 bbls.
10 bbl spacer
5 balls/bbl in 18 bbls. Total 180 balls.
Have ball off. 3800 PSI.

4:13 A. M. Start in hole with junk basket.
Recover 177 balls.

5:22 A. M. Start pad. 80 BPM @ 3500 PSI.

5:23 A. M. Shut down. Blender has problems.

5:48 A. M. Start pad. Shut down. Blender won't pump water. Wait on another blender.

71-14 Completion

7:39 A. M. Start pad. 93 BPM @ 2800 PSI

7:46 A. M. Start 0.5 lb sand 95 BPM @ 3000 PSI

7:47 A. M. 0.5 lb sand
on formation 95 BPM @ 3000 PSI

7:48 A. M. Start 1.0 lb sand 86 BPM @ 2800 PSI

7:49 A. M. 1.0 lb sand
on formation 88 BPM @ 2600 PSI

7:52 A. M. 90 BPM @ 2800 PSI

7:55 A. M. 89 BPM @ 3000 PSI

7:59 A. M. 88 BPM @ 3150 PSI

8:00 A. M. 86 BPM @ 3300 PSI

8:07 A. M. Start 1.5 lb sand 84 BPM @ 3400 PSI

8:08 A. M. 1.5 lb sand
on formation 83 BPM @ 3400 PSI

8:12 A. M. 83 BPM @ 3400 PSI

8:15 A. M. Shut down. Tighten wellhead.
ISIP = 200 PSI.

8:17 A. M. Start up. 83 BPM @ 3600 PSI
Go to flush, (due to well head leak)
46 BPM @ 1800 PSI

8:25 A. M. Shut down. Flush away.
ISIP = 500 PSI
5 min = 375 PSI
10 min = 250 PSI
15 min = 225 PSI

Total sand: 141,000 lbs.
Total fluid: 3,583 bbls.

12:15 P. M. Open well up. Light flow.
Start in hole with tubing and retrieving head.

5:30 P. M. Retrieve bridge plug. Go in hole with mill and tubing.
Mill up bridge plug set @ 7470'.

Clean casing out to 7651'.
Come out of hole with tubing and mill.

Land production tubing @ 6591' KB.