

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 well ☒ gas 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 "I" 1850' FSL & 990' FEL
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

5. LEASE	
Jicarilla 54	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
Jicarilla Apache	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME	
Chace Apache 54	
9. WELL NO.	
54-10	
10. FIELD OR WILDCAT NAME	
Chacon Dakota	
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA	
Sec. 3, T22N, R3W	
12. COUNTY OR PARISH	13. STATE
Sandoval	New Mexico
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB AND WD)	
7124' GR	

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

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

--	--	--	--	--	--	--	--

RECEIVED

OCT 25 1982

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

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

Progress Report

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 - 10/18/82 thru 10/20/82.



Subsurface Safety Valve: Manu. and Type

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

SIGNED H. W. Miller TITLE President

DATE _____

Ft.

10/21/82

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE _____

NMOCC

*See Instructions on Reverse Side

ACCEPTED FOR RECORD

OCT 28 1982

FARMINGTON

BY

10-18-82:

10:00 A. M.: Move in Bayless rig.
12:00 A. M.: Go in hole with bit and tubing.
2:31 P. M.: Tag cement @ 2760', 30' above D. V. tool.

4:15 P. M.: Drill out cement to 7090', 10' above float collar.

9:00 P. M.: Circulate hole with 2% KCl H₂O.

9:40 P. M.: Pressure test casing to 4500 PSI.
Held for 5 min. without losing any pressure.

9:45 P. M.: Spot 250 gal. 7½% acetic acid from 6897' to 6514'.

10:00 P. M.: COOHWT.

11:40 P. M.: Go in hole with logging tools. Have problem with computer.

10-19-82:

3:59 A. M.: Out of hole with logging tools. Logging complete.

5:01 A. M.: Go in hole with perforating guns to perforate Dakota "B" zone.
Shot holes @ 6863', 6865', 6868', 6870', 6872', 6874', 6876',
6878', 6886', 6890', and 6897'. Total 44 holes. 4 SPF

Dakota "B" Zone break down and ball off

5:28 A. M.: Broke @ 22 BPM 3200 PSI
Establish rate @ 39 BPM 3200 PSI
ISIP = 1800 PSI

5:51 A. M.: Drop balls. 2/bbl in 32 bbls.

5:56 A. M.: All balls in. 10 BPM 2600 PSI

6:02 A. M.: Ball action. Pressure climbing. 2900 PSI 7 BPM
No ball off. Used 190 bbl.

6:29 A. M.: Go in hole with junk basket to recover balls. Recovered 2 balls.
Check ball dropper, and found the remaining 63 balls.
Reload ball dropper. Repair Fraconeter.

9:17 A. M.: Try ball off again. 5 balls/bbl for 62 bbl.
14 BPM 2400 PSI. All balls away.
Increase rate. 40 BPM. 3500 PSI.
Slow rate. 20 BPM 2500 PSI. 88 bbls. gone. Balls will hit after 20 bbls

9:24 A. M.: Balls hit. Reach max. pressure. Shut down
2nd ball off used 127 bbls.

9:35 A. M.: Go in hole with junk basket to recover balls.
Recover 65 balls.

10:26 A. M.:	Start pad	40 BPM @ 3600 PSI
10:30 A. M.:		40 BPM @ 3600 PSI
10:32 A. M.:	Start 0.5 lb/gal sand	40 BPM @ 3500 PSI
10:35 A. M.:	0.5 lb/gal sand on formation	40 BPM @ 3450 PSI
10:36 A. M.:	Start 1.0 lb/gal sand	41 BPM @ 3400 PSI
10:37 A. M.:		42 BPM @ 3300 PSI
10:37:40 A. M.:		42 BPM @ 3250 PSI
10:38 A. M.:	1.0 lb/gal sand on formation	42 BPM @ 3200 PSI
10:40 A. M.:	Start 1.5 lb/gal sand	42 BPM @ 3200 PSI
10:42 A. M.:	1.5 lb/gal sand on formation	42 BPM @ 3200 PSI
10:44 A. M.:	1.5 lb/gal sand	41.5 BPM @ 3250 PSI
10:46 A. M.:	1.5 lb/gal sand	41 BPM @ 3350 PSI
10:48 A. M.:	Slow rate to	34 BPM @ 3250 PSI
10:51 A. M.:		34 BPM @ 3350 PSI
10:52 A. M.:		33 BPM @ 3400 PSI
10:53 A. M.:	Start flush	34 BPM @ 3300 PSI
10:55 A. M.:		33 BPM @ 3350 PSI
10:56 A. M.:	Shut down. Flush away. ISIP = 2200 PSI 5 min. = 1900 PSI 10 min. = 1800 PSI	33 BPM @ 3400 PSI
	Total fluid for frac:	1212 bbls.
	Total sand:	40,000#
11:15 A. M.:	Go in hole with EZ drill bridge plug.	
11:55 A. M.:	Set bridge plug @ 6330'	

- 12:12 A. M.: Pressure test bridge plug to 4500 PSI.
Held pressure for 2 min.
- 12:25 A. M.: Go in hole with tubing to spot acid.
- 2:00 P. M.: Spot 250 gal. 7½% Hcl from 6799' to 6416'.
- 2:20 P. M.: Come out of hole with tubing.
- 3:45 P. M.: Go in hole with perforating guns to perforate Dakota "A" and Greenhorn:
Shoot holes from bottom up @ 6799, 6791, 6788', 6786', 6784', 6782',
6780', 6778', 6776', 6772', 6770'. 4 SPF.
- 3:52 P. M.: Come out of hole to pick up guns for second gun run.
- 4:15 P. M.: Shoot hole from bottom up @ 6725', 6722', 6720', 6713', 6704', 6697',
6695', 6692', 6690', 6684', 6682'. 4 SPF
Gun didn't shoot @ 6722', 6720', 6713'.
Will not make another gun run to shoot these holes.
76 holes.

Dakota "A" and Greenhorn break down

- 4:36 P. M.: Start break down.
Broke @ 2700 PSI
Establish rate 42 BPM @ 3800 PSI
ISIP = 2100 PSI
- 4:39 P. M.: Start balls. 5 balls/bbl in 26 bbl 130 balls total
10 BPM @ 2300 PSI
All balls in casing. Increase rate to 40 BPM @ 3600 PSI
- 4:43 P. M.: Slow rate to 15 BPM. Balls on perf in 10 bbls.
- 4:45 P. M.: Ball action. Pressure climbing to 3400 PSI.
- 4:48 P. M.: All balls should have hit. Shut down.
Used 182 bbls. for break down and ball off.
Go in hole with junk basket.
Recovered 39 balls.

Dakota "A" and Greenhorn frac:

- | | | | |
|-------------|-----------------------------|-------------------|----------------|
| 5:35 P. M.: | Start pad. | 41 BPM @ 3800 PSI | |
| 5:37 P. M.: | | 40 BPM @ 3750 PSI | |
| 5:43 P. M.: | Start 0.5 lb/gal sand | 40 BPM @ 3775 PSI | 333 bbls. away |
| 5:45 P. M.: | | 40 BPM @ 3700 PSI | |
| 5:46 P. M.: | 0.5 lb/gal sd. on formation | 40 BPM @ 3600 PSI | |
| 5:47 P. M.: | Start 1.0 lb/gal sand | 40 BPM @ 3600 PSI | 455 bbls away |
| 5:43 P. M.: | | 40 BPM @ 3550 PSI | |

5:49 P. M.: 1 lb/gal sand
on formation 40.5 BPM @ 3500 PSI

5:51 P. M.: Start 1.5 lb/gal sand 40.5 BPM @ 3500 PSI 642 bbls away

5:53 P. M.: 1.5 lb/gal sand
on formation 41 BPM @ 3400 PSI

6:02 P. M.: 40.5 BPM @ 3500 PSI

6:04 P. M.: 41 BPM @ 3400 PSI

6:07 P. M.: 41 BPM @ 3475 PSI

6:10 P. M.: 41 BPM @ 3500 PSI

6:11 P. M.: Start flush 41 BPM @ 3500 PSI 1490 bbls away

6:14 P. M.: Flush away. Shut down. 1597 bbls away
ISIP = 2200 PSI
5 min. = 1850 PSI
10 min. = 1800 PSI

Total fluid for frac: 1597 bbl
Total sand: 60,000#

6:40 P. M.: Go in hole with retrievable bridge plug.

7:07 P. M.: Set plug @ 6580'.

7:28 P. M.: Pressure test bridge plug to 4500 PSI.
Held for 3 min. with no loss in pressure.

7:39 P. M.: Go in hole with tubing to spot acid.

8:50 P. M.: Spot 250 gal. 7½% Hcl from 6496' to 6113'.

10:30 P. M.: Come out of hole with tubing.

10:35 P. M.: Go in hole to perforate Tocito Zone.

10:47 P. M.: Perforate @ 6392', 6395', 6406', 6414', 6416', 6421', 6426', 6428',
6442', 6444', 6446'. 4 SPF.

11:03 P. M.: Go in hole to perforate Tocito zone.

11:15 P. M.: Perforate @ 6460', 6464', 6468', 6471', 6476', 6481', 6487', 6490',
6492', 6494', 6496'. 4 SPF.

Tocito break down and ball off

11:40 P. M.: Start break down.
Broke @ 3000 PSI.
Establish rate 49 BPM @ 3600 PSI
ISIP = 2300 PSI

11:46 P. M.: Start balls. 5 balls/bbl in 26 bbl. 130 balls total.
10 BPM 2400 PSI 26 bbl away All balls away.
Increase rate to 48 BPM

11:51 P. M.: Slow rate to BPM. Balls should be hitting.

11:54 P. M.: Shut down. Reach max. pressure. Have a ball off.

Total fluid for break down and ball off: 328 bbl.

10-20-82:

12:10 A. M.: Go in hole with junk basket to recover balls.

12:38 A. M.: Tag sand @ 6550' with junk basket.

12:55 A. M.: Run tubing in hole with packer and seating nipple to swab
test Tocito.

3:00 A. M.: Swabbed fluid level down to seating nipple. Have show of gas
out flow line.

7:15 A. M.: Come out of hole with tubing and packer.
Rig up Western to frac Tocito.

9:10 A. M.: Start pad 42 BPM @ 3800 PSI

9:16 A. M.: 42 BPM @ 3850 PSI
38 BPM @ 3800 PSI

9:20 A. M.: Start 0.5 lb/gal sand 36 BPM @ 3650 PSI 333 bbl away

9:23 A. M.: 0.5 lb/gal sand
on formation 35.5 BPM @ 3450 PSI

9:25 A. M.: 35.5 BPM @ 3600 PSI

Slow rate @ 3900 PSI.

9:27 A. M.: Go to flush. 566 bbl. 14 BPM @ 3900 PSI

9:35 A. M.: Shut down. Flush away.
ISIP = 2400 PSI
5 min. = 2350 PSI
10 min. = 2300 PSI

Total fluid: 673 bbls.
Total sand: 4830#.

10:05 A. M.: Start in hole with tubing to recover bridge plug.

Landed 213 joints of 2 3/8" tubing at 6918'.