

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 'B'
AT SURFACE: 380' FNL & 1650' 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:

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RECEIVED
JUL 10 1984
(NOTE: Report results of multiple completion or zone change on Form 9-330.)
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

5. LEASE
Jicarilla Contract #47

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Jicarilla Tribal Contract #47

9. WELL NO.
47/118

10. FIELD OR WILDCAT NAME
South Lindrieth Gallup Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 11, T23N, R4W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7248' GR

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, 6/29/84 through 7/4/84.

RECEIVED
JUL 12 1984
OIL CON. DIV.
DIST. 3

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED D. W. Phillips TITLE President DATE July 9, 1984

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

*See Instructions on Reverse Side

JUL 11 1984

NMOCC

FARMINGTON RESOURCE AREA

BY sm

6/29/84: Clean out casing to 7512' KB.

7/2/84:

8:44 A. M. Pressure test casing to 4000 PSI.
Circulate hole with 2% Kcl water.
Spot 200 gal 7½% acetic acid from 7408' up hole.

TOOHW/Tubing

12:00 P. M. Log from TD to 5800'
from 5350' to 4950'
from 3250' to 2000'

3:55 P. M. Perforate Dakota 'D' at 7382', 7384', 7386', 7388', 7390',
7392', 7394', 7396', 7404', 7408', 4 SPF, 40 holes.

4:17 P. M. Break down Dakota perforations.
Broke at 3600 PSI
Establish rate to 37 BPM @ 2700 PSI
Shut down ISIP = 1000 PSI

4:19 P. M. Start balls. 2 balls/bbl. for 33 bbls.
Increase rate to 47 BPM @ 3200 PSI
Have ball off 4200 PSI
Start in hole with junk basket.

4:30 P. M. Recover 67 balls.

DAKOTA 'D' FRAC

5:25 P. M. Start pad 51 BPM @ 3550 PSI
238 bbls. of pad away 49 BPM @ 3550 PSI

5:34 P. M. Start 0.5 lb/gal sand 48 BPM @ 3600 PSI

5:37 P. M. 0.5 lb sand
on formation 48.5 BPM @ 3600 PSI

5:38 P. M. Start 1.0 lb/gal sand 48 BPM @ 3550 PSI

5:41 P. M. 1.0 lb/gal sand
on formation 48 BPM @ 3400 PSI

5:44 P. M. Have pressure increase 47.5 BPM @ 3600 PSI
Slow rate to 14 BPM @ 3800 PSI

5:46 P. M. Go to flush 21 BPM @ 3750 PSI

5:47 P. M. Shut down ISIP = 1800 PSI
Flow well back.

6:30 P. M. Start pad 40 BPM @ 3500 PSI

6:34 P. M. Start 1.0 lb/gal sand at 150
bbls. away 40 BPM @ 3400 PSI

6:37 P. M. 1.0 lb/gal sand
on formation 40 BPM @ 3400 PSI

6:48 P. M. At 660 bbls. away go to flush due to
a line leak.

6:51 P. M. Flush away. Shut down.
ISIP = 3400 PSI

6:53 P. M. Leak repaired - start pad 37 BPM @ 3800 PSI

6:55 P. M. Start 1.0 lb/gal sand with 38 BPM @ 3700 PSI
800 bbls. away.

6:57 P. M. 1.0 lb/gal sand
on formation 38 BPM @ 3700 PSI

7:02 P. M. Start 1.5 lb/gal sand at 1085 bbls. away.

7:05 P. M. 1.5 lb/gal sand
on formation 39 BPM @ 3300 PSI

7:13 P. M. Cut sand. Go to flush. 38.5 BPM @ 3200 PSI

7:15 P. M. Flush away. Shut down.
ISIP = 1600 PSI
5 min = 1375 PSI
Total sand = 71,169 lbs.
Total fluid = 2,786 bbls.

7:30 P. M. Start in hole with Howco Bridge Plug.

8:05 P. M. Set plug at 7290'.

8:21 P. M. Pressure test plug to 4000 PSI
TIHW/Tubing
Spot 300 gal 7½% Hcl from 7238' up hole.

7/3/84:

4:48 A. M. Perforate Tocito at 6930', 6932', 6934', 3 SPF, 9 holes.

4:50 A. M. Perforate Greenhorn at 7125', 7145', 7149', 7153', 7156',
7159', 7162', 7166', 3 SPF, 24 holes.

5:21 A. M. Perforate Dakota 'A' at 7206', 7208', 7216', 7224', 7226',
7227', 7230', 7232', 7234', 7236', 7238', 3 SPF 33 holes.

5:47 A. M. Break down perforations.
 Broke @ 1000 PSI
 Establish rate 50 BPM @ 3200 PSI
 Shut down.
 ISIP = 1500 PSI

5:49 A. M. Start balls. 3 balls/bbl. for 33 bbls.
 Increase rate to 54 BPM @ 3200 PSI
 Have ball off at 4400 PSI

6:00 A. M. Go in hole with a junk basket.
 Recover 100 balls.

DAKOTA 'A', GREENHORN, TOCITO FRAC

6:40 A. M. Start pad 54 BPM @ 3200 PSI

6:49 A. M. Start 0.5 lb/gal sand 54 BPM @ 3300 PSI

6:51 A. M. 0.5 lb/gal sand
 on formation 54 BPM @ 3250 PSI

6:52 A. M. Start 1.0 lb/gal sand 55 BPM @ 3250 PSI

6:54 A. M. 1.0 lb/gal sand
 on formation 55 BPM @ 3200 PSI

7:04 A. M. Start 1.5 lb/gal sand 54 BPM @ 3200 PSI

7:06 A. M. 1.5 lb/gal sand
 on formation 54 BPM @ 3300 PSI

7:08 A. M. on 1.5 sand 53 BPM @ 3450 PSI

7:09 A. M. At 1514 bbls. away go back to
 1.0 lb/gal sand

7:11 A. M. 1.0 lb/gal sand
 on formation 47 BPM @ 3450 PSI

7:12 A. M. on 1.0 lb sand at 47 BPM @ 3600 PSI
 1750 bbls. away 3950 PSI
 Slow rate to 20 BPM

7:15 A. M. Go to flush

7:35 A. M. Got 93 bbls. flush away. Reach
 maximum pressure.
 Shut down.

Total sand = 55,600 lbs. 20/40
 Total fluid = 1,952 bbls.

- 8:27 A. M. Set Baker Bridge Plug at 6445'.
- 8:51 A. M. Pressure test plug to 4000 PSI.
TIHW/Tubing
Spot 400 gal 7½% Hcl from 6396' up hole.
- 1:33 P. M. Perforate Gallup at 5906', 5908', 5935', 6103',
6108', 6114', 6139', 6148', 6179', 6194', 6196', 3 SPF,
33 holes.
- 2:01 P. M. Perforate Gallup at 6236', 6238', 6242', 6244', 6248',
6250', 6254', 6256', 6258', 6260', 6262', 3 SPF, 33 holes.
- 2:33 P. M. Perforate Gallup at 6264', 6293', 6311', 6360', 6362',
6365', 6367', 6369', 6371', 6373', 6376', 3 SPF, 33 holes.

Total Gallup perforations = 99

2:46 P. M. Breakdown Gallup Perforations.

Broke at 1000 PSI
Establish rate 71 BPM @ 3500 PSI
Shut down.
ISIP = 400 PSI

- 2:52 P. M. Start balls. 4 balls/bbl for 36 bbls.
Increase rate to 64 BPM @ 2300 PSI
Have ball off at 4000 PSI.
Go in hole with junk basket.
Recover 164 balls.

GALLUP FRAC

- | | | |
|------------|---------------------------------|---------------------|
| 4:09 P. M. | Start pad | 86 BPM @ 3200 PSI |
| 4:12 P. M. | On pad | 85 BPM @ 3400 PSI |
| 4:14 P. M. | Start 0.5 lb/gal sand | 84.5 BPM @ 3400 PSI |
| 4:15 P. M. | 0.5 lb sand
on formation | 85 BPM @ 3400 PSI |
| 4:16 P. M. | Start 1.0 lb/gal sand | 85 BPM @ 3350 PSI |
| 4:18 P. M. | 1.0 lb/gal sand
on formation | 85 BPM @ 3350 PSI |
| 4:24 P. M. | Start 1.5 lb/gal sand | 84 BPM @ 3200 PSI |
| 4:25 P. M. | 1.5 lb/gal sand
on formation | 84 BPM @ 3200 PSI |
| | On 1.5 lb sand | 81 BPM @ 3400 PSI |

4:32 P. M. At 3800 PSI Slow Rate to 70 BPM
4:33 P. M. At 3800 PSI Slow rate to 63 BPM
4:33 P. M. On 1.0 lb/gal sand 64 BPM @ 3500 PSI
4:39 P. M. On 1.0 lb/gal sand 64 BPM @ 3400 PSI
4:43 P. M. Start 1.5 lb/gal sand 64 BPM @ 3400 PSI
4:45 P. M. 1.5 lb/gal sand
on formation 64 BPM @ 3350 PSI
4:52 P. M. Start Flush.
4:54 P. M. Flush away. Shut down.
ISIP = 600 PSI
5 min = 500 PSI
10 min = 450 PSI
Total sand = 125,000 lbs.
Total water = 3,400 bbls.

11:30 P. M. Release Baker plug set at 6445'.

7/4/84: COOHW/Plug

3:00 A. M. Start milling on Howco Plug Set at 7290'.

7:30 A. M. Howco Plug drilled up.
Casing cleaned out to 7512'.
Circulate casing for 2 hours.

9:30 A. M. TOOHW/Tubing and mill.

11:00 A. M. Start in hole with production tubing.

1:00 P. M. Land production tubing with seating nipple at 7307' KB.
Have a 4' perforated sub and a 32' tail joint of tubing
below seating nipple.