

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 'K' - 1650' FWL & 2310' FSL

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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5. LEASE

Tribal Contract #71

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla Tribal Contract #71

9. WELL NO.

24

10. FIELD OR WILDCAT NAME

South Lindrith, Gallup Dakota

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

Section 10, T23N R4W

12. COUNTY OR PARISH 13. STATE

Rio Arriba

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
7219' GR

(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 Well History attached - 5/22/84 through 5/25/84.

RECEIVED

JUN 26 1984

OIL CON. DIV.  
DIST. 3

RECEIVED

JUN 08 1984

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED

*D. W. Miley*

TITLE President

DATE June 7, 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

JUN 28 1984

NMOCC

FARMINGTON RESOURCE AREA

BY

*[Signature]*

5/22/84:

4:00 P. M. Pick up 2 3/8" tubing and 3 7/8 rock bit.  
Tag cement 90' from D. V. tool.  
Tag D. V. tool at 2980' KB.  
Tag cement 90' on top of float collar.  
Drill out cement to float collar.  
Tag float collar with 234 joints plus 12' stick up.

5/23/84: 7392' KB. Loggers T.D. = 7407'.

12:35 A. M. Circulate hole with 103 bbls. 2% Kcl water. Work on well head. Would not hold pressure.

3:13 A. M. Pressure test casing to 4000 PSI.

Spot 200 gal 7½% acetic acid from 7348' up hole.  
Trip out of hole with tubing.

6:30 A. M. Run Gamma Ray and Correlation logs from  
T. D. to 5700'  
5300' to 4850'  
3000' to 2000'  
Loggers T. D. = 7407'.

11:06 A. M. Perforate Dakota 'D' zone at 7286', 7306', 7310', 7312',  
7314', 7316', 7318', 7320', 7322', 7324', 7326',  
3 SPF, 33 holes.

11:41 A. M. Perforate Dakota 'D' zone at 7330', 7332', 7334', 7336',  
7338', 7342', 7344', 7348', 3 SPF.  
Total perforations: 57.

12:28 P. M. Break down Dakota perforations.  
Broke at 2200 PSI.  
Establish rate 44 BPM @ 2850 PSI  
Shut down. ISIP = 600 PSI

12:33 P. M. Start balls. 2 balls/bbl for 43 bbls.  
Increase rate to 55 BPM @ 2800 PSI  
Have ball off at 4000 PSI.  
Surge balls off perforations.

12:49 P. M. Start in hole with junk basket.  
Recover 85 balls.

Dakota 'D' frac:

1:30 P. M. Start pad. 65 BPM @ 3300 PSI

1:32 P. M. 66 BPM @ 3350 PSI

1:33 P. M. On pad 62 BPM @ 3500 PSI

5/23/84:

1:36 P. M. Start  $\frac{1}{2}$  lb. sand 59 BPM @ 3550 PSI

1:38 P. M.  $\frac{1}{2}$  lb. sand on formation 56 BPM @ 3550 PSI

1:39 P. M. Start 1 lb. sand 56 BPM @ 3550 PSI

1:41 P. M. 1 lb. sand on formation 58 BPM @ 3600 PSI

1:48 P. M. Start  $1\frac{1}{2}$  lb. sand 58 BPM @ 3600 PSI

1:50 P. M.  $1\frac{1}{2}$  lb. sand on formation 58 BPM @ 3600 PSI

1:55 P. M. On  $1\frac{1}{2}$  lb. sand 56 BPM @ 3700 PSI

2:03 P. M. On  $1\frac{1}{2}$  lb. sand 54 BPM @ 3750 PSI

2:08 P. M. Sand away. Go to flush.

2:10 P. M. Flush away. Shut down.

ISIP = 1800 PSI

5 min. = 1500 PSI

10 min. = 1425 PSI

Total Sand = 90,000 lbs.

Total Fluid = 2,200 Bbls.

2:25 P. M. Start in hole with bridge plug. Set plug.

2:54 P. M. At 7251' KB.

3:11 P. M. Pressure test plug to 4000 PSI.

Trip in hole with tubing.

Spot 300 gal  $7\frac{1}{2}\%$  Hcl from 7198' uphole.

7:56 P. M. Perforate Tocito at 6851', 6853', 6855', 3 SPF, 9 holes.

Perforate Greenhorn at 7076', 7083', 7094', 7100', 7102',  
7106', 3 SPF, 18 holes.

Perforate Dakota 'A' at 7160', 7166'.

Hung gun at 4660' on Bluejet screw.

Run in hole with junk basket to recover screw.

9:34 P. M. Perforate Dakota 'A' 7168', 7170', 7172', 7198', 3 SPF,  
18 holes total for 'A' zone.

5/23/84:

9:55 P. M. Break down Dakota 'A', Greenhorn and Tocito formations.  
Broke at 1750 PSI.  
Establish rate 36 BPM @ 3600 PSI  
Shut down. ISIP = 1100 PSI  
Drop balls. 2 balls/bbl for 33 bbls.  
Increase rate to 43 BPM @ 3200 PSI  
Have ball off at 4000 PSI.  
Start in hole with junk basket.  
Recover 65 balls.

Dakota 'A', Tocito, Greenhorn frac:

|             |                                      |                           |
|-------------|--------------------------------------|---------------------------|
| 10:52 P. M. | Start pad                            | 52 BPM @ 3600 PSI         |
| 10:57 P. M. | Start $\frac{1}{2}$ lb. sand         | 52 BPM @ 3600 PSI         |
| 10:59 P. M. | $\frac{1}{2}$ lb. sand on formation  | 52 BPM @ 3575 PSI         |
| 11:01 P. M. | Start 1 lb. sand                     | 52 BPM @ 3500 PSI         |
| 11:03 P. M. | 1 lb. sand on formation              | 51 BPM @ 3600 PSI         |
| 11:07 P. M. | On 1 lb. sand                        | 51 BPM @ 3500 PSI         |
| 11:09 P. M. | Start $1\frac{1}{2}$ lb. sand        | 51 BPM @ 3500 PSI         |
| 11:11 P. M. | $1\frac{1}{2}$ lb. sand on formation | 51 BPM @ 3600 PSI         |
| 11:19 P. M. | On $1\frac{1}{2}$ lb. sand           | 50 BPM @ 3600 PSI         |
| 11:24 P. M. | On $1\frac{1}{2}$ lb. sand           | 48 BPM @ 3650 PSI         |
| 11:26 P. M. | Start flush                          | 48 BPM @ 3650 PSI         |
| 11:29 P. M. | Flush away. Shut down.               |                           |
|             | ISIP = 1800 PSI                      | Total sand = 70,000 lbs.  |
|             | 5 min. = 1650 PSI                    | Total water = 1,900 bbls. |
|             | 10 min. = 1600 PSI                   |                           |

5/24/84:

12:20 A. M. Set Baker retrievable bridge plug at 6352' KB.

12:42 A. M. Pressure test plug to 4000 PSI.

Spot 600 gal  $7\frac{1}{2}\%$  acid.

5:41 A. M. Perforate Gallup at 5754', 5789', 5810', 5812', 5819',  
5825', 5842', 5915', 5970', 5984', 6063', 2 SPF, 22 holes.

5/24/84:

6:12 A. M. Perforate Gallup at 6068', 6071', 6076', 6081', 6100', 6104', 6114', 6126', 6128', 6131', 6140', 2 SPF, 22 holes.

6:42 A. M. Perforate Gallup at 6150', 6166', 6168', 6170', 6172', 6174', 6176', 6182', 6190', 6195', 6214', 2 SPF, 22 holes.

7:11 A. M. Perforate Gallup at 6224', 6230', 6280', 6286', 6290', 6292', 6294', 2 SPF, 14 holes.  
Total Gallup perforations: 80

7:34 A. M. Break down Gallup perforations.  
Broke at 1400 PSI.  
Establish rate 64 BPM @ 3800 PSI  
Shut down. ISIP = 550 PSI

7:37 A. M. Start balls. 3 balls/bbl for 40 bbls.  
Increase rate to 50 BPM @ 1600 PSI  
Have ball off at 4100 PSI.  
Surge balls off perforations.

7:51 A. M. Start in hole with junk basket.  
Recover 120 balls.

Gallup frac:

|            |                                      |                   |
|------------|--------------------------------------|-------------------|
| 9:15 A. M. | Start pad.                           | 90 BPM @ 3400 PSI |
| 9:21 A. M. | Start $\frac{1}{2}$ lb. sand         | 90 BPM @ 3400 PSI |
| 9:22 A. M. | $\frac{1}{2}$ lb. sand on formation  | 90 BPM @ 3400 PSI |
| 9:23 A. M. | Start 1 lb. sand                     | 90 BPM @ 3400 PSI |
| 9:24 A. M. | 1 lb. sand on formation              | 90 BPM @ 3400 PSI |
| 9:27 A. M. | On 1 lb. sand                        | 89 BPM @ 3450 PSI |
| 9:30 A. M. | On 1 lb. sand                        | 88 BPM @ 3500 PSI |
| 9:32 A. M. | On 1 lb. sand                        | 86 BPM @ 3600 PSI |
| 9:35 A. M. | A-Pump went down.                    | 76 BPM @ 3600 PSI |
| 9:37 A. M. | Start $1\frac{1}{2}$ lb. sand        | 74 BPM @ 3600 PSI |
| 9:38 A. M. | $1\frac{1}{2}$ lb. sand on formation | 70 BPM @ 3800 PSI |
|            | At 3900 PSI Slow rate to             | 62 BPM            |
|            | Back at 1 lb/gal sand                | 59 BPM @ 3800 PSI |
| 9:44 A. M. | On 1 lb. sand                        | 58 BPM @ 3700 PSI |
|            | Go to $1\frac{1}{2}$ lb. sand        | 58 BPM @ 3600 PSI |
|            | $1\frac{1}{2}$ lb. sand on formation | 59 BPM @ 3550 PSI |

5/24/84:

|             |                           |                   |
|-------------|---------------------------|-------------------|
| 9:51 A. M.  | On 1½ lb. sand            | 59 BPM @ 3500 PSI |
| 9:56 A. M.  | On 1½ lb. sand            | 60 BPM @ 3400 PSI |
| 10:01 A. M. | On 1½ lb. sand            | 64 BPM @ 3650 PSI |
| 10:05 A. M. | Sand away. Go to flush.   |                   |
| 10:07 A. M. | Flush away. Shut down.    |                   |
|             | ISIP = 850 PSI            |                   |
|             | 5 min. = 550 PSI          |                   |
|             | 10 min. = 500 PSI         |                   |
|             | Total sand = 145,000 lbs. |                   |
|             | Total fluid = 3,780 bbls. |                   |

Start in hole with tubing and retrieving head to retrieve bridge plug. Set at 6352' KB.  
Have 14 Jts. of sand to clean out to bridge plug.  
Clean out sand release bridge plug. Have flow of gas and oil to surface.  
Run in hole with tubing and 3 7/8' mill tag.  
Sand 2 Jts. above bridge plug.  
Wash down 2 Jts. tubing.  
Mill up bridge plug. Set at 7251'.  
Clean casing out to 7411' KB.

5/25/84:

Land production tubing, <sup>7375'</sup> seating nipple at 7240' KB.  
Below seating nipple have a 3' perforated sub and 132' tail joint.