

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.)
AT SURFACE: Unit 'N', 2230' FWL & 747' FSL
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.)

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7259' GR

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.
27

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.

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, 8/18/84 through 8/21/84.

RECEIVED
SEP 05 1984
OIL CON. DIV.
DIST. 3

Subsurface Safety Valve: Manu. and Type

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

SIGNED P. W. McElroy TITLE President

DATE August 27, 1984

(This space for Federal or State office use)

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

DATE

ACCEPTED FOR RECORD

SEP 04 1984

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

RV

8/11/84:

Day #14. Present operation: rig idle.

4 hours	Run casing.
3/4 hours	Circulate
1 1/2	Cement 1st stage
3 hours	Drop bomb and circulate
1 hour	Cement 2nd stage
4 hours	Set slips and cut off
3 3/4 hours	Rig down
6 hours	Rig idle

Rig released at 8:15 P. M 8/10/84.

Ran 178 joints plus a short joint of 4½", 11.6 lb/ft, N-80 casing, set @ 7445' KB. Guide Shoe @ 7444'. Float collar @ 7403'. Short joint from 5744'-5765'. D. V. tool @ 3188'. Cement baskets @ 6733', 4946', 4436', 1838'. 1st stage; pumped 20 bbls. Flo-chek 21. Cemented first stage with 1000 sxs. (1430 CF) 50/50 pozmix, 2% gel, 6¼ lb/sk Gilsonite, 6 lb/sk salt. Plug down @ 12:03. Opened D. V. tool. Circulated upper stage 3 hours. 2nd stage; pumped 20 bbls. Flo-chek 21. Cemented 2nd stage with 400 sxs. (932 CF) 65/35 pozmix, 2% gel, 6¼ lb/sk gilsonite. Tailed in with 50 sxs. (59 CF) Class B neat. Plug down @ 4:13 p.m. on 8/10/84. Circulated bbls. cement to surface.

1/5

71-27 Completion Report

8/18/84: Clean out casing to float collar, tag collar at 7418' KB,

8/20/84:

8:50 A. M. Pressure test casing to 4000 PSI.
Circulate casing with 2% Kcl water,
Spot 200 gal 7½% Hcl from 7318' up hole,
TOOHW/Tubing - Loggers cased T.D. = 7418',
Log from 7418' 59 5600'
CBL & correlation 5300' to 4850'
3250' to 2000'

3:51 P. M. Perforate Dakota 'D' zone at:

7282', 7286', 7288', 7292', 7294', 7298', 7304', 7313',
7316', 7318', 4 SPF, 44 holes.

8/20/84

4:12 P. M. Break down formation.
Broke at 2500 PSI.

5:19 P. M. Establish rate 46 BPM @ 3600 PSI
Shut down
ISIP = 600 PSI
Drop balls 2 balls/bbl. for 33 bbls. Total of 65 balls.
Increase rate to 50 BPM @ 2800 PSI
Have good ball action. Pressure went to 3700 PSI.

5:35 P. M. Go in hole with junk basket.
Recover 63 balls/have 38 hits.

DAKOTA 'D' ZONE FRAC

6:21 P. M. Start pad 54 BPM @ 3400 PSI
Flow meter stopped working. Run job via tank gauges.

6:29 P.M. Have a line leak. Shut down.
Start pad 50 BPM @ 3700 PSI

6:50 P. M. Start 0.5 lb sand 50 BPM @ 3700 PSI

6:54 P. M. Start 1.0 lb/gal 54 BPM @ 3500 PSI

6:58 P. M. On 1.0 lb/gal sand 54 BPM @ 3475 PSI

7:02 P. M. Start 1.5 lb/gal sand 51 BPM @ 3600 PSI
Start flush.

7:25 P. M. Flush away. Shut down.
ISIP = 1800 PSI
5 min = 1700 PSI
Total sand = 72,000 lbs.
Total fluid = 2,150 bbls.

7:33 P. M. Start in hole with Howco Bridge Plug.

8:09 P. M. Set plug at 7223'.

8:25 P. M. Pressure test plug to 4000 PSI.
TIHW/Tubing

8/21/84: Spot 450 gal 7½% Hcl from 7159' up hole.

2:19 A. M. Perforate Tocito at:
6556', 6558', 6580', 6582', 6848', 6850', 6852', 6854',
4 SPF, 32 holes.

8/21/84

2:21 A. M. Perforate Greenhorn at:
7062', 7066', 7071', 4 SPF, 12 holes.

2:54 A. M. Perforate Greenhorn at:
7076', 7080', 7086', 4 SPF, 12 holes.

2:57 P. M. Perforate Dakota 'A' zone at:
7151', 7153', 7157', 7159', 7172', 7174', 4 SPF, 24 holes.

3:22 A. M. Break down perforations.
Broke at 1600 PSI.
Establish rate 44 BPM @ 2800 PSI
Shut down.
ISIP = 800 PSI

3:36 A. M. Drop balls 3 balls/bbl. for 38 bbls.
Total of 114 balls.
Increase rate to 54 BPM @ 2600 PSI
Have good ball action. Pressure went to 4000 PSI.
Start in hole with junk basket.

4:35 A. M. Recover 112 balls.

TOCITO-GREENHORN-DAKOTA 'A' FRAC

4:42 A. M. Start pad 57 BPM @ 2850 PSI

4:46 A. M. On pad 57.5 BPM @ 3000 PSI

4:47 A. M. Start 0.5 lb/gal sand 57.5 BPM @ 3100 PSI

4:49 A. M. 0.5 lb sand on formation 57.5 BPM @ 3200 PSI

4:51 A. M. Start 1.0 lb/gal sand 58 BPM @ 3150 PSI

4:52 A. M. 1.0 lb/gal sand on formation 58 BPM @ 3100 PSI

4:58 A. M. Start 1.5 lb/gal sand 57 BPM @ 3250 PSI

5:00 A. M. 1.5 lb/gal sand on formation 57 BPM @ 3300 PSI

5:04 A. M. On 1.5 lb/gal sand 56 BPM @ 3600 PSI

5:04 A. M. Go to 1.0 lb sand 56 BPM @ 3650 PSI

5:07 A. M. Cut sand. Go to flush.

5:10 A. M. Flush away. Shut down.
ISIP = 1200 PSI
5 min = 950 PSI
Total sand = 47,650 lbs.
Total fluid = 1,650 bbls.

5:25 A. M. Start in hole with Baker Bridge Plug.

5:57 A. M. Set plug at 6450'.

6:18 A. M. Pressure test plug to 4000 PSI.
TIHW/Tubing
Spot 400 gal 7½% Hcl from 6290' up hole.

10:50 A. M. Perforate Gallup zone at:

5717', 5722', 5807', 5820', 5826', 5828', 5830', 5832',
5835', 5846', 5850', 2 SPF, 22 holes.

11:21 A. M. Perforate Gallup at:

5853', 5866', 5977', 6052', 6054', 6059', 6066', 6068',
6072', 6101', 6110', 2 SPF, 22 holes.

11:50 A. M. Perforate Gallup at:

6121', 6123', 6127', 6129', 6134', 6157', 6164', 6170',
6173', 6186', 6190', 2 SPF, 22 holes.

12:29 P. M. Perforate Gallup at:

6206', 6226', 6234', 6242', 6250', 6256', 6274', 6280',
6284', 6286', 6290', 2 SPF, 22 holes.

Total of 88 perforations.

12:47 P. M. Break down Gallup perforations.
Broke at 800 PSI.
Establish rate 60 BPM @ 2750 PSI
Shut down.
ISIP = 150 PSI

8/21/84

12:49 P. M. Start balls 4 balls/bbl. for 33 bbls.
 Total of 132 balls.
 Increase rate to 44 BPM @ 2800 PSI
 Have ball off at 4000 PSI
 Surge balls off perforations.
 Start in hole with junk basket.
 Recover 132 balls.

GALLUP FRAC

1:49 P. M. Start pad 88 BPM @ 3000 PSI
 1:53 P. M. Have a leak. Shut down.
 2:02 P. M. On pad 87 BPM @ 3100 PSI
 2:05 P. M. Start 0.5 lb/gal sand 87 BPM @ 3200 PSI
 0.5 sand on
 formation 87 BPM @ 3200 PSI
 2:09 P. M. Start 1.0 lb. sand 87 BPM @ 3200 PSI
 2:10 P. M. 1.0 sand on
 formation 86 BPM @ 3250 PSI
 2:15 P. M. Start 1.5 lb sand 84 BPM @ 3300 PSI
 2:17 P. M. 1.5 lb sand on
 formation 82.5 BPM @ 3300 PSI
 2:18 P. M. On 1.5 lb/gal sand 77 BPM @ 3200 PSI
 On 1.5 lb/gal sand 76 BPM @ 3300 PSI
 Cut sand.
 2:25 P. M. Go to flush.
 2:26 P. M. Flush away. Shut down.
 ISIP = 400 PSI
 5 min = 325 PSI
 10 min = 300 PSI
 Total sand = 70,000 lbs.
 Total fluid = 2,250 bbls.

Retrieve Baker Bridge Plug set at 6340'. 7264'
 Mill up Howco Bridge Plug set at 7223'.
 Land production tubing with seating nipple at 7231' KB. - 2 3/8"
 Have a 3' perforated sub and a 32' tail joint below
 seating nipple.