

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 'C' - 469' FNL & 1853' FWL

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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RECEIVED

DEC 12 1984

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

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, 11/18/84 through 11/21/84.

RECEIVED
DEC 19 1984
OIL CON. DIV.
DIST. 3

Subsurface Safety Valve: Manu. and Type

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

SIGNED

TITLE President

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

FARMINGTON RESOURCE AREA

BY

*See Instructions on Reverse Side

OPERATOR

5. LEASE

Jicarilla Tribal Contract #71

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla Contract #71

9. WELL NO.

71-40

10. FIELD OR WILDCAT NAME

South Lindrith Gallup Dakota

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

Section 9, T23N, R4W

12. COUNTY OR PARISH

13. STATE

Rio Arriba

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

7085' GR

11/18/84:

Pick up 2 3/8" tubing and 3 7/8" rock bit.

Drill out D. V. tool at 2912' KB.

Clean out casing to 7230' KB.

11/19/84:

9:36 A. M. Circulate casing with 2% Kcl water.

10:04 A. M. Pressure test casing to 4000 PSI.

Spot 200 gal 7½% Acetic acid from 7166' up hole.

Trip out of hole with tubing.

11:45 A. M. Out of hole with tubing. Are 5 joints short of what tubing was tallied. Go back in hole with tubing strapping. Tubing on the way in hole.

3:45 P. M. Clean out with 5 additional joints.

Circulate hole with 2% Kcl water.

Pressure test casing to 4000 PSI.

Spot 200 gal 7½% Hcl from 7166' up hole.

Trip out of hole with tubing.

6:40 P. M. Go in hole with logging tools.

8:15 P. M. Log from TD to 6800' 435

6200' to 5500' 700

5150' to 4850' 300

2950' to 2650' 300

10:12 P. M. Perforate Dakota 'D' zone at:

7110', 7130', 7133', 7136', 7139', 7142', 7145', 7148', 7151',

7154', 7157', 4 SPF, 44 holes.

10:42 P. M. Perforate Dakota 'D' zone at:

7160', 7163', 7166', 4 SPF, 12 holes

11:00 P. M. Break down Dakota 'D' zone.

Broke at 2800 PSI.

Establish rate

38 BPM @ 3400 PSI

Shut down. ISIP = 900 PSI

Start balls 2 balls/bbl for 42 bbls. Total of 84.

Increase rate to

32 BPM @ 3000 PSI

Have ball off at 4000 PSI.

Go in hole with junk basket. Recover 85 balls.

11/20/84:

DAKOTA 'D' ZONE FRAC:

12:07 A. M.	Start pad	51 BPM @ 3200 PSI
12:17 A. M.	Start 1/2 lb/gal sand	47 BPM @ 3400 PSI
12:19 A. M.	1/2 lb/gal sand on formation	45 BPM @ 3400 PSI
12:21 A. M.	Start 1 lb/gal sand	45 BPM @ 3400 PSI
12:23 A. M.	1 lb/gal sand on formation	44 BPM @ 3500 PSI
12:34 A. M.	Start 1 1/2 lb/gal sand	46 BPM @ 3250 PSI
12:36 A. M.	1 1/2 lb/gal sand on formation	46 BPM @ 3250 PSI
12:47 A. M.	On 1 1/2 lb/gal sand	45 BPM @ 3400 PSI
12:52 A. M.	On 1 1/2 lb/gal sand	44 BPM @ 3600 PSI
12:56 A. M.	Go to flush.	31 BPM @ 3750 PSI
12:59 A. M.	Flush away. Shut down.	

ISIP = 2200 PSI
5 min = 2000 PSI
10 min = 1900 PSI

Total sand = 90,000 lbs
Total fluid = 2,600 bbls

Go in hole with Howco bridge plug.

1:45 A. M. Set plug at 7067' KB

1:58 A. M. Pressure test plug to 4000 PSI.

2:30 A. M. Perforate Greenhorn at:

6917', 6922', 6925', 6928', 6931', 6935', 4 SPF, 24 holes.

Perforate Dakota 'A' zone at:

6998', 7000', 7002', 7018', 7022', 4 SPF, 20 holes.

Total of 44 perforations.

2:46 A. M. Break down Dakota 'A' and Greenhorn zones:

Perforations would not break down.

Go in hole with tubing. Spot 200 gal 7½% Hcl from 7022' up hole.

Trip out of hole with tubing.

7:28 A. M. Break down perforations.

Broke at 2000 PSI.

Establish rate. 30 BPM @ 3300 PSI.

Shut down. ISIP = 1800 PSI

Start balls. 2 balls/bbl for 33 bbls

Increase rate to 27 BPM @ 3200 PSI.

Have ball off at 4000 PSI.

Go in hole with junk basket. Recover 62 balls.

DAKOTA 'A', GREENHORN FRAC:

8:37 A. M.	Start pad.	34 BPM @ 3400 PSI.
	On pad.	43.5 BPM @ 3550 PSI
8:44 A. M.	Start 1/2 lb/gal sand	43 BPM @ 3800 PSI
8:47 A. M.	1/2 lb/gal sand on formation	43 BPM @ 3750 PSI
8:48 A. M.	Start 1 lb/gal sand	43.5 BPM @ 3750 PSI
8:51 A. M.	1 lb/gal sand on formation	43.5 BPM @ 3700 PSI
8:57 A. M.	Start 1 1/2 lb/gal sand	44 BPM @ 3500 PSI
9:00 A. M.	1 1/2 lb/gal sand on formation	44 BPM @ 3550 PSI
9:02 A. M.	On 1 1/2 lb/gal sand	43.5 BPM @ 3650 PSI
9:07 A. M.	Cut sand. Go to flush	38 BPM @ 3750 PSI
9:10 A. M.	Flush away. Shut down.	
	ISIP	= 1950 PSI
	5 min	= 1850 PSI
	10 min	= 1800 PSI

Total sand = 50,000 lbs
Total fluid = 1,650 bbls

Go in hole with Baker bridge plug.

10:00 A. M. Set plug at 6190' KB.

10:15 A. M. Pressure test plug to 4000 PSI.

Trip in hole with tubing. Spot 450 gal 7½% Hcl from 6145' up hole.

1:45 P. M. Perforate Gallup zone at:

5604', 5641', 5656', 5675', 5681', 5686', 5788', 5804', 5916', 5925',
5950', 3 SPF, 33 holes.

2:10 P. M. Perforate Gallup zone at:

5688', 5972', 5978', 6008', 6022', 6024', 6026', 6028', 6054',
6093', 6095', 3 SPF, 33 holes.

2:40 P. M. Perforate Gallup zone at:

6097', 6128', 6131', 6133', 6135', 6137', 6139', 6141', 6143', 6145',
3 SPF, 30 holes.

Total perforations: 96.

Break down Gallup perforations.

2:58 P. M. Broke at 1000 PSI.

Establish rate

60 BPM @ 2400 PSI

Shut down. ISIP = 400 PSI

Start balls. 4 balls/bbl for 35 bbls.

Increase rate to 40 BPM @ 1200 PSI.

Have a ball off at 4000 PSI.

Surge balls off perforations.

Go in hole with junk basket.

Recover 142 balls.

GALLUP FRAC:

3:51 P. M. Start pad.

79.5 BPM @ 2950 PSI

3:57 P. M. Start 1/2 lb/gal sand

78 BPM @ 3000 PSI

4:00 P. M.	Start 1 lb/gal sand	78 BPM @ 3000 PSI
4:01 P. M.	1 lb/gal sand on formation	78 BPM @ 3000 PSI
4:11 P. M.	Start 1 1/2 lb/gal sand	76 BPM @ 3000 PSI
4:12 P. M.	1 1/2 lb/gal sand on formation	76 BPM @ 3000 PSI
4:16 P. M.	On 1 1/2 lb sand	71 BPM @ 3100 PSI
4:26 P. M.	Cut sand. Go to flush	68 BPM @ 3450 PSI
4:27 P. M.	Flush away. Shut down. ISIP = 800 PSI 5 min = 600 PSI 10 min = 575 PSI	

Total sand = 100,000 lbs
Total fluid = 2,800 bbls

Shut well in 4 hours.
Open well up. Flowed back frac water with slight oil cut.
Go in hole with tubing and retrieving head.
Retrieve Baker bridge plug set @ 6190' KB.
Trip in hole with tubing and mill
Mill up bridge plug set at 7067' KB.
Clean out casing to float collar at 7230' KB.
Run radio active tracer survey over Dakota 'D', Dakota 'A',
Greenhorn, and Gallup zones.

11/21/84 Land Production tubing with seating nipple at 7073' KB.

Have a 4' perforated sub and a 32' tail joint below seating nipple
at 7109' KB.