

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

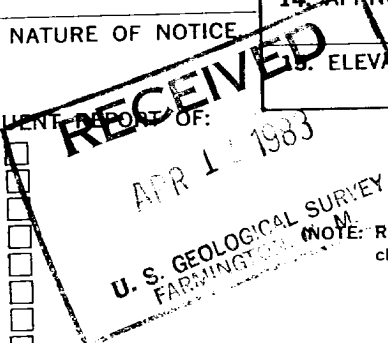
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: Unit 'O' - 775' FSL & 2175' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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:



5. LEASE

Jicarilla 70

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla 70 Tribal Contract 70

9. WELL NO.

70-15

10. FIELD OR WILDCAT NAME

S. Lindrith Gallup Dakota

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

Section 34, T24N, R4W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

14. API NO.

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

(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.)*

It is our intention to workover and recomplete, as necessary, this well as outlined in the attachment.

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED B. C. Noll TITLE President DATE April 11, 1983

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

James F. Smith
JAMES F. SMITH
DISTRICT ENGINEER

*See Instructions on Reverse Side

NMOCC

JICARILLA 70-15 RECOMPLETION

Casing: 4 1/2", 11.6 lb/ft
Tubing: 2 3/8", EUE 4.7 lb/ft, landed @ 7267'
Float Collar: 7399'
D. V. Tool: 3104'
Short Joint: 6102'
Hot oil tubing.
Move in 15-400 bbl. frac tanks.
Move in completion rig. Pull rods and pump.
Pick up 4 joints of tubing. Tag bottom.
Circulate hole with 2% Kcl water.
Pull 1 joint of tubing, leaving a 10' stick up.
Spot 300 gal. 7 1/2% Hcl acid from 7348' to 6900'.
Pull 7 joints of tubing. Close BOP.
Load tubing. Pump acid into Dakota formation with 10 bbl. 2% Kcl water.
Pull 8 joints of tubing.
Spot 200 gal. 7 1/2% Hcl acid from 6876' to 6570'.
Strap tubing coming out of hole.

Have Bluejet run correlation log and temp. survey from 7200' to 5750'.
Set EZ Drill bridge plug at ± 7140'.
Perforate Greenhorn formation as follows:
7065', 7072', 7074', 7080', 7093', 7097', 7100', 7106', 7109', 7112',
7115', 7117', 7120' - 4 SPF, 52 holes.

Perforate Tocito formation as follows:
6750', 6754', 6770', 6782', 6807', 6813', 6823', 6869', 6871' -
4 SPF, 36 holes.

Total Greenhorn perforations, original plus new: 58 perfs
Total Tocito perforations, original plus new: 60 perfs

Break down formations. Establish rate. Shut down. Obtain ISIP.
Establish rate. Drop 180 balls. Ball off perforations.
Go in hole with junk basket to retrieve balls.

70-15 Recompletion

Prepare to frac Greenhorn and Tocito formations at 50 (+) BPM
@ 3500 PSI, with 50,000 lbs. of 20/40 mesh sand as follows:

10,000 gal	Pad	- -	- -
10,000 gal	1/2 lb/gal	20/40 sd	5,000 lbs.
35,000 gal	1 lb/gal	20/40 sd	35,000 lbs.
6,666 gal	1.5 lb/gal	20/40 sd	10,000 lbs.

Flush to bottom perforation with FR water.

Run temp. survey from 7140' to 6700'. Wait 30 min.

Run temp. survey again.

Total fluid to circulate hole, spot acid, break down,
and frac: 82,000 gal

Gallup zone:

Set Baker retrievable bridge plug @ \pm 6380'.

Test plug to 4000 PSI max. Go in hole with dump bailer.

Spot 7 gal. of sand on bridge plug.

TIHWT. Spot 450 gal. 7 1/2% Hcl acid from 6318' to 5629'.

Perforate Upper Gallup zone as follows:

5806', 5809', 5823', 5841', 5844', 5849', 5863', 5871', 5876',
5880', 5888' - 4 SPF, 44 holes.

Break down formation and establish rate with 30 bbls. FR water.
Shut down. Obtain ISIP.

Perforate Lower Gallup zone as follows:

6302', 6307', 6311', 6314', 6316', 6318' - 4 SPF, 24 holes.

Total Gallup perforations: 68

Break down formation and establish rate with 30 bbls. FR water.
Shut down. Obtain ISIP.

Drop 100 balls. Ball off perforations.

Go in hole with junk basket to retrieve balls.

70-15 Recompletion

Prepare to frac Gallup formation @ 70 (+) BPM @ 3500 PSI
with 100,000 lbs. 20/40 mesh sand as follows:

20,000 gal	Pad	- -	- -
10,000 gal	1/2 lb/gal	20/40 sd	5,000 lbs.
55,000 gal	1 lb/gal	20/40 sd	55,000 lbs.
26,667 gal	1.5 lb/gal	20/40	40,000 lbs.

Flush to bottom perforation with FR water.

Run temp. survey from 6370' to 5750'.

Wait 30 min. Run survey again.

Total fluid for breakdown, ball off, and frac: 130,000 gal.

Let well stabilize for 2 hours.

Flow well back.

When flow subsides, go in hole with tubing, string float, and retrieving head to retrieve bridge plug set @ 6380'.

Go in hole with tubing, string float, and mill. Mill up bridge plug set @ 7140'.

Clean casing out to 7399'.

Land tubing with seating nipple on bottom joint @ ± 7300'.

Swab well back until water cleans up.

BREAK DOWN AND TREATMENT FLUID WILL CONTAIN:

1. 2% Kcl by weight
2. 2.5 lbs/1000 gal FR-20, or equivalent
3. 1 gal/1000 gal nonionic non-emulsifying surfactant

ACID TO CONTAIN:

1. 3 gal/1000 gal nonionic non-emulsifying surfactant
2. 1 gal/1000 gal inhibitor

70-15 Recompletion

ADOMITE AQUA REQUIREMENTS:

Tocito and Greenhorn zones:

15 lbs/1000 gal in pad
10 lbs/1000 gal in 1/2 lb sand
5 lbs/1000 gal in 1 lb sand
0 lbs/1000 gal in 1.5 sand

Gallup zone:

30 lbs/1000 gal in pad
15 lbs/1000 gal in 1/2 lb sand
5 lbs/1000 gal in 1 lb sand
0 lbs/1000 gal in 1.5 sand