

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 'A' - 990' FEL & 900' FNL

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:

RECEIVED

NOV 10 1983

(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.)*

It is our intention to workover and recompleate, 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

D. W. Miller

TITLE President

DATE

November 9, 1983

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

*See Instructions on Reverse Side

NOV 11 1983

M. MILLENBACH
AREA MANAGER

CHACE APACHE 54-1 RECOMPLETION PROCEDURE

Casing: 4½", 11.6 lb/ft

D. V. Tool: 2868' KB

Bridge Plug: 6990' KB

Tubing: 2 3/8", 4.7 lb/ft, landed at 6910' KB

Move in 15-400 bbl. frac tanks.

Move in completion rig. Strap tubing out of hole.

Pick up 3 7/8" bit and casing scraper.

Clean out casing to bridge plug at 6990'.

Circulate hole with 2% Kcl water.

Trip out of hole with tubing.

Trip in hole with 4½" retrievable bridge plug. Set plug at 6800'.

Run CBL from T. D. to 5500'.

Pressure test casing to 3800 PSI.

If casing pressure tests, release bridge plug and come out of hole.

If casing doesn't pressure test, dump 10 gal. sand on plug.

Pick up 4½" packer. Hunt for hole in casing. Squeeze cement as required.

DAKOTA 'A' AND 'B' ZONES:

Perforate Dakota 'B' zone at 6935', 6937', 6939', 6950, 6952', 6954', 6957', 6959', 6961', 6965' - 2 SPF, 20 holes.

Total perforations, existing plus new = 78 holes.

Perforate Dakota 'A' zone at 6843', 6845', 6847', 6849', 6851', 6853', 6855', 6857', 6859', 6861', 2 SPF, 20 holes.

Total perforations, existing plus new = 68.

Pump 400 gal. 7½% Hcl across Dakota perforations. Shut down.

Wait 30 minutes.

Establish rate in Dakota zone with 50 bbls. FR water.

Shut down. Obtain ISIP.

Frac Dakota zones at 50 BPM, 3400 PSI, with 130,000 lbs. 20/40 sand as follows:

25,000 gal *	Pad	- -
7,500 gal	0.5 lb/gal	3,750 lbs.
50,000 gal	1.0 lb/gal	50,000 lbs.
50,833 gal	1.5 lb/gal	76,250 lbs.

* include casing capacity as pad

Flush to bottom perforation.

Total fluid to break down and frac: 3,500 bbls.

GREENHORN AND TOCITO ZONES:

Set EZ Drill bridge plug at 6818'.

Pressure test plug to 3800 PSI.

Spot 400 gal 7½% Hcl from 6800' up hole.

Perforate Tocito zone at 6471', 6473', 6475', 6537', 6544', 6546', 6551', 6553', 6573', 6575', 6577 - 3 SPF, 33 holes.

Perforate Greenhorn at 6755', 6757', 6759', 6768', 6770', 6777', 6785', 6787', 6789', 6797', 6799' - 3 SPF, 33 holes.

Break down formations and establish rate with 20 bbls FR water.

Shut down. Obtain ISIP.

Drop 100 balls. Ball off perforations.

Go in hole with junk basket to retrieve balls.

Frac Tocito and Greenhorn zones at 50 BPM, 3200 PSI, with 40,000 lbs 20/40 mesh sand as follows:

(See next page)

9,000 gal *	Pad	- -
7,500 gal	0.5 lb/gal	3,750 lbs
15,000 gal	1.0 lb/gal	15,000 lbs
14,167 gal	1.5 lb/gal	21,250

* include casing capacity as pad

Flush to bottom perforation.

Total fluid to spot acid, break down, ball off and frac: 1,400 bbls.

GALLUP ZONE:

Set Baker retrievable bridge plug at 6100'.

Pressure test plug to 3800 PSI.

Go in hole with dump bailer. Spot 7 gal sand on plug.

Spot 400 gal 7½% Hcl from 5998' up hole.

Perforate Gallup zone at 5813', 5840, 5842', 5848', 5852', 5854', 5874', 5876', 5885', 5888', 5943' - 3 SPF, 33 holes.

Perforate Gallup zone at 5946', 5949', 5951', 5955', 5957', 5959', 5982', 5984', 5994', 5996', 5998', 6004' - 3 SPF, 36 holes.

Break down formation and establish rate with 40 bbls. FR water.

Shut down. Obtain ISIP.

Drop 100 balls. Ball off perforations.

Go in hole with junk basket to retrieve balls.

Trip in hole with tubing and 4½" packer.

Set packer at 5700'. Swab test Gallup formation.

If non productive, squeeze cement perforations. If productive, frac Gallup zone at 60 BPM, 3000 PSI, with 90,000 lbs. 20/40 mesh sand as follows:

(See next page)

20,000 gal *	Pad	- -
7,500 gal	0.5 lb/gal	3,750 lbs
38,000 gal	1.0 lb/gal	38,000 lbs
32,167 gal	1.5 lb/gal	48,250 lbs

* Include casing capacity as pad

Flush to bottom perforation.

Total fluid to spot acid, break down, ball off, and frac: 2,800 bbls.

CLEAN UP

1. Let well stabilize for 4 hours.
Open well up. Flow Gallup formation back.
2. When sand cleans up, trip in hole with tubing, string float, and retrieving head.
Retrieve Baker bridge plug set @ 6100'.
3. Trip in hole with tubing, string float, and 3 7/8" mill.
Mill up bridge plug set at 6818'.
Clean out casing to 6990' KB.
4. Land production tubing with seating nipple at 6200'.

BREAK DOWN AND TREATMENT FLUID WILL CONTAIN:

1. 2% Kcl by weight.
2. 2.0 lb/1000 gal. FR-20 or equivalent.
3. 1 gal/1000 gal. nonionic non-emulsifying surfactant.

ACID WILL CONTAIN:

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

ADOMITE AQUA REQUIREMENTS:

Greenhorn, Tocito, and Dakota zones:

- 10 lbs/1000 gal in pad.
- 5 lbs/1000 gal in 0.5 lb/gal sand.

Gallup zone:

- 15 lbs/1000 gal in pad.
- 10 lbs/1000 gal in 0.5 lb/gal sand.