

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 "I" 1850' FSL & 790' 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) Workover report

SUBSEQUENT REPORT OF

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RECEIVED
NOV 18 1982

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M. change on Form 9-330.)

ELEVATIONS (SHOW DF, KDB, AND WD)
284' GR

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 workover report attached.

RECEIVED
NOV 24 1982
OIL CON. COM.
DIST. 3

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED

J. W. Miller

TITLE President

DATE 11/16/82

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

NMOCC

*See Instructions on Reverse Side

NOV 23 1982

BY *JER*

47-1 RECOMPLETION REPORT

11-11-82:

Pull rods and circulate hole with 2% KCl H₂O.

11-12-82:

9:07 A. M. Circulate hole with 2% KCl H₂O to get oil and gas out of well bore.

10:19 A. M. Spot 250 gal 7½% HCl from 7486' to 7103'.

10:40 A. M. Start out of hole with tubing.

12:35 P. M. Out of hole with tubing.

12:45 P. M. Go in hole with logging tools.

Logger tagged bottom @ 7578'.

Run cement bond log and gamma ray log from 7578-6200'. CBL showed ±100% bond over this interval

3:10 P. M. Go in hole with gas spectrum tool.

3:22 P. M. Gas spectrum tool malfunction. Come out of hole.

3:48 P. M. Repaired tool. Start back in hole.
Log from 7578-6200'.

5:47 P. M. Go in hole with perforating guns.

6:04 P. M. Perforate Dakota zone @ 7323', 7326', 7329', 7216', 7221', 7223', 7231',
7235', 7238', 7243', 7249'

6:32 P. M. Perforate Dakota zone @ 7386', 7388', 7390', 7392', 7474', 7476', 7478',
7480', 7481', 7483', 7486'.

7:46 P. M. Break down. Broke @ 3500 PSI.
Establish rate 38.0 BPM @ 3370 PSI
ISIP = 1500 PSI.

7:57 P. M. Start balls. Drop 45 balls 20 bbls.

Run 20 bbl spacer.

Drop 2 balls/bbl in 68 bbls. @ 30 BPM

1 ball /bbl in 20 bbls. Total: 200 balls.

Reached 3600 PSI. Backed off. Pumped on it again @ 2400 PSI. Shut down.

8:16 P. M. Go in hole with junk basket to recover balls. Recover 120 balls.

DAKOTA FRAC:

9:54 P. M. Start pad. 38.4 BPM @ 3340 PSI

10:05 P. M. On pad 38.8 BPM @ 3280 PSI

10:10 P. M.	Start 1/2 lb/gal sand	38.7 BPM @ 3270 PSI
10:14 P. M.	1/2 lb/gal sand on formation	39.0 BPM @ 3220 PSI
10:15 P. M.	Start 1 lb/gal sand	39.3 BPM @ 3240 PSI
10:18 P. M.	1 lb/gal sand on formation	39.3 BPM @ 3240 PSI
10:22 P. M.	Start 1 1/2 lb/gal sand	39.4 BPM @ 3230 PSI
10:25 P. M.	1 1/2 lb/gal sand on formation	39.5 BPM @ 3210 PSI
10:27 P. M.		39.2 BPM @ 3320 PSI
10:31 P. M.	Go back to 1 lb/gal sand 1400 bbls. gone 397 bbl. of 1 1/2 lb/gal	38.8 BPM @ 3360 PSI
10:35 P. M.	1 lb/gal sand on formation	37.8 BPM @ 3400 PSI
10:38 P. M.	1 lb/gal sand	37.0 BPM @ 3480 PSI
10:45 P. M.	1 lb/gal sand	37.5 BPM @ 3480 PSI
10:58 P. M.	1 lb/gal sand	36.8 BPM @ 3500 PSI
11:07 P. M.	1 lb/gal sand	36.8 BPM @ 3470 PSI
11:11 P. M.	1 lb/gal sand	36.2 BPM @ 3490 PSI
11:13 P. M.	Start flush 1520 bbl @ 1 lb/gal	38.3 BPM @ 3400 PSI
	Shut down. Flush away. ISIP = 1600 PSI 5 min = 1500 PSI 10 min = 1500 PSI Total fluid = 3039 bbl slurry Total sand = 102,000 lbs.	
11:40 P. M.	Go in hole with bridge plug.	
12:25 A. M.	Set drillable bridge plug @ 7100'.	
12:44 A. M.	Pressure test bridge plug to 4000 PSI Held pressure.	
1:22 A. M.	Perforate Tocito formation @ 6953', 6957', 6967', 6984', 6994', 6996', 7006', 7008', 7010', 7012', 7014' - 4 SPF.	
2:15 A. M.	Perforate Tocito formation @ 6907', 6911', 6914', 6920', 6922', 6927', 6929', 6935', 6937', 6943', 6950'. Total: 88 holes	

11/13/82:

23,637 lbs. sand in formation

3:00 P. M. Flow well back. Well making a lot of sand.

3:30 P. M. Pump H₂O down tubing. Try to kill well.
Casing flowing pressure 2230 PSI.
Tubing pressure 3260 PSI

4:00 P. M. 95 bbl. fluid pumped down tubing. Shut down.

11/14/82:

Kill well. Start out of hole with tubing.

4:55 A. M. Out of hole with tubing.

5:00 A. M. Go in hole with retrievable bridge plug.

5:20 A. M. Set plug @ 6570'.

5:49 A. M. Pressure test bridge plug to 3800 PSI.
Used 67 bbl. to load hole for pressure test.

6:10 A. M. Start in hole with perforating guns.

1st run: Shoot holes @ 6318', 6322', 6325', 6327', 6329', 6341', 6455',
6359', 6364', 6420', 6427'

2nd run: Shoot holes @ 6431', 6436', 6444', 6446', 6448', 6477', 6485', 6490'
4 SPF. 76 holes.

8:14 A. M. Breakdown Gallup formation.
Broke @ 2000 PSI.
Establish rate @ 49 BPM 3400 PSI
ISIP = 400 PSI

8:16 A. M. Start balls. 20 BPM 1500 PSI
See ball action. 20 BPM @ 2080 PSI

8:25 A. M. Have ball off. 3800 PSI

GALLUP FRAC

9:06 A. M. Start pad. 53.6 BPM @ 3220 PSI

9:08 A. M. 54.0 BPM @ 3250 PSI

9:10 A. M. Start 1/2 lb/gal sand 54.4 BPM @ 3200 PSI

9:12 A. M. 1/2 lb/gal sand
on formation 53.9 BPM @ 3210 PSI

9:13 A. M. 53.7 BPM @ 3280 PSI

9:14 A. M. Start 1 lb/gal sand 54.1 BPM @ 3240 PSI

9:15 A. M. 1 lb/gal sand
on formation 54.0 BPM @ 3250 PSI

