

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 'B' - 510' FNL & 2153' FEL
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

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

OCT - 5 1984

BUREAU OF LAND MANAGEMENT
HARRINGTON 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, 9/22/84 through 9/27/84.

RECEIVED
OCT 12 1984
OIL CON. DIV.
DIST. 3

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED D. W. Miller TITLE PresidentDATE 10/3/84

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

NMDC

CHACE OIL COMPANY, INC.
313 Washington S.E.
Albuquerque, New Mexico 87108

Jicarilla Apache 47-11 Well

Page Six

9/22/84:

Day #17. Depth today: 7645' TD.

2 hours	Waiting on Go International
3 3/4 hours	Logging
2 hours	Trip in
5 1/4 hours	Laying down drill pipe and drill collars
5 hours	Rig up to run casing
6 hours	Cementing

Ran 182 joints of 4½" 11.6 lb/ft N-80 casing set at 7645' KB.
Guide Shoe at 7644'. D. V. tool at 7599'. Cement baskets
at 6752', 5156', 4574', 2730'. First stage: pumped 20 bbls.
Flo-chek 21. Cemented first stage with 1050 sks (1501 CF)
50/50 pozmix, 2% gel, 6¼ lb/sk Gilsonite, 6 lb/sk salt.
Plug down at 2:15 A. M. on 9/22/84. Opened DV tool.
Circulated upper stage 3 hours. Second stage: pumped 20
bbls. Flo-chek 21. Cemented second stage with 400 sks
(932 CF) 65/35 pozmix, 12% gel, 6¼ lb/sk Gilsonite.
Tailed in with 50 sks (59 CF) Class B neat. Plug down
at 6:03 A. M. on 9/22/84. Circulated 15 bbls cement
to surface.

COMPLETION REPORT

9/25/84:

Pick up 2 3/8" tubing and 3 7/8" bit.
Drill out DV tool at 3398' KB.
Drill out cement to float collar at 7603' KB.

9/26/84:

10:07 A. M. Pressure test casing to 4000 PSI.
Circulate casing with 104 bbls. 2% Kcl water.
Spot 250 gal. 7½% Hcl from 7508' up hole.
Trip out of hole with tubing.

2:00 P. M. Start in hole with logging tools.
Run CBL and Gamma Ray Log
From 7590 - 5800'
From 5500 - 5000'
From 3450 - 2000'

5:10 P. M. Perforate Dakota 'A' zone at:
7304', 7306', 7308', 7310', 7330', 7332', 7334', 7336', 7338',
7340', 7342', 4 SPF, 44 holes.

5:43 P. M. Perforate Dakota 'B' zone at:
7410', 7412', 4 SPF, 8 holes.

5:44 P. M. Perforate Dakota 'D' zone at:

7491', 7493', 7495', 7497, 7499', 7501', 7508', 4 SPF, 28 holes.

6:06 P. M. Break down perforations.

Broke at 3000 PSI.

Establish rate 26 BPM @ 3800 PSI

Shut down.

ISIP = 1300 PSI.

6:14 P. M. Start balls. 4 balls/bbl for 30 bbls.

Increase rate to 35 BPM @ 2000 PSI

Have ball action @ 1900 PSI.

No ball off.

Surge balls off.

6:30 P. M. Go in hole with junk basket.

Recover 0 balls. Junk basket flapper stuck open.

DAKOTA A, B, & D FRAC:

7:28 P. M. Start pad. 66 BPM @ 3600 PSI

Have a leak on a pump.

Shut down.

ISIP = 1200 PSI.

Leak fixed. Start pumping.

7:32 P. M. On pad. 64 BPM @ 3800 PSI

7:39 P. M. Start 0.5 lb/gal sand 63 BPM @ 3800 PSI

7:41 P. M. 0.5 lb/gal sand
on formation 63 BPM @ 3800 PSI

7:42 P. M. Start 1.0 lb/gal sand 63 BPM @ 3800 PSI

7:43 P. M. 1.0 lb/gal sand
on formation 63.5 BPM @ 3800 PSI

On 1.0 lb/gal sand 63 BPM @ 3800 PSI

8:03 P. M. On 1.0 lb/gal sand 62 BPM @ 3850 PSI

8:09 P. M. Start 1.5 lb/gal sand 58 BPM @ 3500 PSI

8:11 P. M. 1.5 lb/gal sand
on formation 57 BPM @ 3550 PSI

8:16 P. M. Lost a pump. Rate
fell to 55 BPM @ 3400 PSI

8:26 P. M. On 1.5 lb/gal sand 55 BPM @ 3450 PSI

8:30 P. M. Cut sand. Go to flush. 54 BPM @ 3450 PSI

8:33 P. M. Flush away. Shut down.

ISIP = 1800 PSI

5 min = 1625 PSI

10 min = 1550 PSI

Total sand = 150,000 lbs.

Total water = 3,900 bbls.

Start in hole with Howco Bridge Plug.

9:21 P. M. Set plug at 7284' KB.

9:40 P. M. Pressure test plug to 4000 PSI.

Trip in hole with tubing. Spot 250 gal. 7½% Hcl from 7624' up hole.

9/27/84:

2:46 A. M. Perforate Greenhorn at:

7242', 7248', 7254', 7258', 7260', 7264', 4 SPF, 24 holes.

2:49 A. M. Perforate Tocito at:

7020', 7022', 7024', 7026', 7028', 4 SPF, 20 holes.

3:11 A. M. Broke down perforations.

Broke at 1200 PSI.

Establish rate 44 BPM @ 3800 PSI

Shut down.

ISIP = 1800 PSI

3:13 A. M. Start balls. 3 balls/bbl. for 23 bbls. Total of 70 balls.

Increase rate to 54 BPM @ 3500 PSI

Have ball off at 4600 PSI.

Surge balls off perforations.

3:30 A. M. Start in hole with junk basket

Recover 70 balls.

TOCITO, GREENHORN FRAC:

4:42 A. M. Start pad. 52 BPM @ 3700 PSI

4:48 A. M. Start 0.5 lb/gal sand 51 BPM @ 3800 PSI

4:50 A. M. 0.5 lb/gal sand
on formation 51 BPM @ 3800 PSI

4:52 A. M. Start 1.0 lb/gal sand 51 BPM @ 3800 PSI

4:54 A. M. 1.0 lb/gal sand
 on formation 51 BPM @ 3800 PSI

4:59 A. M. On 1.0 lb/gal sand 50 BPM @ 3825 PSI

5:00 A. M. Start 1.5 lb/gal sand 47 BPM @ 3750 PSI

5:02 A. M. 1.5 lb/gal sand
 on formation 46 BPM @ 3750 PSI

 At 3800 PSI, slow rate to 42 BPM
 Go back to 1.0 lb/gal sand.

5:04 A. M. Cut sand.
 At 3900 PSI, slow rate to 28 BPM.

5:09 A. M. At 4000 PSI, 28 bbls flush way. Shut down.

 Flow sand plug off perforations.
 Shut in pressure after flow back = 1600 PSI.

5:25 A. M. Displace casing with 113 bbls. water.
 Displacement away. Shut down.

5:31 A. M. ISIP = 2000 PSI
 5 min = 1900 PSI
 Total sand = 35,250 lbs.
 Total water = 1,250 bbls.

5:45 A. M. Start in hole with bridge plug.

6:19 A. M. Set Baker bridge plug at 6500'.

 Pressure test plug to 4000 PSI. TIHW/tubing. Spot 400 gal. 7½% Hcl
 from 6462' up hole. Come out of hole with tubing.

10:38 A. M. Perforate Gallup zone at:

 5964', 5987', 6004', 6016', 6028', 6040', 6053', 6062',
 6080', 6159', 6219', 3 SPF, 33 holes.

11:04 A. M. Guns stuck. Pull out of rope socket.

 Go in hole with tubing to fish guns.

2:31 P. M. Perforate Gallup at:

 6233', 6279', 6300', 6302', 6338', 6340', 6342', 6345',
 6418', 6420', 6432', 3 SPF, 60 holes.

3:01 A. M. Perforate Gallup at:

 6446', 6448', 6450', 6452', 6454', 6456', 6458', 6460', 6462',
 4SPF, 27 holes.

3:49 P. M. Break down Gallup perforations.

Broke at 1500 PSI.
Establish rate 68 BPM @ 3600 PSI
Shut down.

ISIP = 500 PSI

3:51 P. M. Drop 4 balls/bbl for 36 bbls. Total of 144 balls.
Increase rate to 63 BPM @ 1900 PSI.
Have ball action at capacity.
Have a ball off at 4600 PSI.
Go in hole with junk basket.
Recover 144 balls and the 2 perforating guns bolts that stuck
the perforating gun.

GALLUP FRAC:

5:07 P. M.	Start pad.	83 BPM @ 3800 PSI.
5:10 P. M.	On pad.	84 BPM @ 3700 PSI.
5:13 P. M.	Start 0.5 lb sand	85 BPM @ 3600 PSI.
5:14 P. M.	0.5 lb sand on formation	85 BPM @ 3600 PSI.
5:15 P. M.	Start 1.0 lb/gal sand	85 BPM @ 3600 PSI.
5:16 P. M.	1.0 lb/gal sand on formation	84 BPM @ 3600 PSI.
5:21 P. M.	On 1.0 lb/gal sand	83 BPM @ 3725 PSI
5:27 P. M.	Start 1.5 lb/gal sand	83 BPM @ 3700 PSI
5:28 P. M.	1.5 lb/gal sand on formation	83 BPM @ 3700 PSI
5:30 P. M.	On 1.5 lb/gal sand	83.5 BPM @ 3600 PSI
5:33 P. M.	Go back to 1.0 lb/gal	82 BPM @ 3775 PSI
5:35 P. M.	On 1.0 lb/gal sand	82 BPM @ 3750 PSI
5:37 P. M.	Go back to 1.5 lb/gal	82 BPM @ 3750 PSI
5:38 P. M.	1.5 lb/gal sand on formation	82 BPM @ 3750 PSI
5:39 P. M.	Cut sand. Go to flush.	
5:40 P. M.	Flush away. Shut down.	

ISIP = 450 PSI
5 min = 375 PSI
10 min = 325 PSI

Total sand = 100,000 lbs.

Total fluid = 2,800 bbls.

6:30 P. M. Open well up. Flow Gallup back.
Go in hole with retrieving head. Unseat bridge plug
set at 6500' KB.

12:30 P. M. Out of hole with tubing. Retrieving sleeve on bridge plug sheared,
leaving the bridge plug in the hole.

Call Baker for a 2" overshot.

5:15 A. M. Start in hole with overshot and tubing.

7:00 A. M. Set down on bridge plug at $\pm$ 7280'.
Come out of hole with bridge plug.

10:00 A. M. Start in hole with tubing and mill.
Mill up Howco bridge plug set at 7284' KB.
Clean out to float collat at 7603' KB.

Land production tubing with seating nipple at 7396' KB.
Have a 4' perforated sub and a 30' tail joint of 2 3/8"
tubing below seating nipple.