

(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 87108

313 Washington, SE, Albuquerque, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: Unit 'P' - 370' FSL & 780' 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:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other)

RECEIVED

NOV 13 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, 10/20/84 through 11/1/84.

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DEC 07 1984

OL CON. DIV.

SECRET

Subsurface Safety Valve: Manu. and Type

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

SIGNED J. W. Miller 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

10/20/84:

Day #13. Present operation: Circulating at RD. Depth: 7653'. 24 hour footage: 218. Rotary - RPM: 55. Weight on bit: 35,000#. Present drilling rate: 6'/hr. Pump - liner size: 5. Pressure: 1,100#. Strokes per minute: 62. Mud - Vis: 80. Wt.: 9.4. Deviation record: 1 1/4° @ 7484'. Bit #5: 7 7/8", V527; 1307', 76 1/4 hours. Bit #6: 7 7/8", F3; 168', 12 1/2 hours.

1/4 hour	RS
8 1/4 hours	Trip for bit
15 1/2 hours	Drilling

10/21/84:

Day #14. Present operation: running casing. Depth today: 7655'. Bit #6: 7 7/8", F3; 170', 12 1/2 hours.

3 hours	Circulate
7 1/4 hours	Trips
4 3/4 hours	Log
6 hours	Lay down drill pipe and drill collars
3 hours	Rig up and run casing

10/22/84:

Day #15. Present operation: rig idle. Depth today: 7655'. TD.

2 1/2 hours	Finish running casing
3/4 hour	Rig up Halliburton
2 hours	Cement 1st stage
3 hours	Drop bomb, open DV and circulate
1 hour	Cement 2nd stage
3 3/4 hours	Nipple down, BOP, set slips and cut off.
11 hours	Rig down

Rig released at 7:00 P. M. 10/21/84

JICARILLA APACHE 71-35 COMPLETION10/29/84: Drill out D. V. Tool at 3286' KB.

Clean out casing to float collar at 7593' KB.

10/30/84:

8:14 A. M. Pressure test casing to 2400 PSI.
Pressure broke back to 900 PSI (suspect shoe joint leaking)
Established a rate of 6/10 BPM.
Trip out of hole with tubing.

11:30 A. M. Start in hole with bond log.
Run bond log and gamma ray from
7584'-5850'
5550'-5150'
3400'-2500'

Have good cement bond from T. D. to 5800'.
Decide to set Howco Cast Iron Bridge Plug
above float collar to seal off shoe joint.

5:10 P. M. Set Howco Bridge Plug at 7550' KB.

5:37 P. M. Pressure test plug to 4000 PSI.
Trip in hole with tubing. Circulate casing 106 bbls. 2%
Kcl water.
Spot 200 gal 7½% Hcl from 7510' up hole.
Trip out of hole with tubing.

11:09 P. M. Perforate Dakota 'D' zone at
7453', 7474', 7476', 7478', 7484', 7486', 7488', 7490',
7494', 7496', 7510', 4 SPF, 44 holes.

Break down Dakota 'D' perforations.
Broke at 2000 PSI.
Establish rate 44 BPM @ 3600 PSI
Shut down. ISIP = 650 PSI
Start balls, 2 balls/bbl for 33 bbls, total of 65 balls.
Increase rate to 56 bbls/min 2900 PSI
Have a ball off at 4000 PSI.
Surge balls off perforations.
Start in hole with junk basket.
Recover 60 balls.

10/31/84:

12:46 A. M. DAKOTA 'D' ZONE FRAC:

Start pad. 60 BPM @ 3200 PSI
With 272 bbls away, have leak. Shut down.

1:13 A. M. Start pad 50 BPM @ 3000 PSI

1:15 A. M. Start 1/2 lb/gal sand 51 BPM @ 3200 PSI

1:17 A. M. Start 1/2 lb/gal sand 50 BPM @ 3350 PSI

1:19 A. M. 1 lb/gal sand 50 BPM @ 3400 PSI

1:22 A. M. At 3600 PSI, pressure climbing. Go back to 1/2 lb/gal sand.

1:24 A. M. 1/2 lb/gal sand
on formation 49 BPM @ 3775 PSI

1:27 A. M. On 1/2 lb/gal sand 48 BPM @ 3800 PSI

1:29 A. M. Start 1 lb/gal sand at 48 BPM, 3800 PSI
1 lb/gal sand
on formation 48 BPM @ 3750 PSI

1:35 A. M. On 1 lb/gal sand 49 BPM @ 3700 PSI
Start 1 1/2 lb/gal sand 49 BPM @ 3700 PSI

1:39 A. M. 1 1/2 lb/gal sand
on formation 49 BPM @ 3700 PSI

1:40 A. M. Pressure climbs to 3800 PSI.
Go back to 1 lb/gal sand.

1:42 A. M. 1 lb/gal sand
on formation 48 BPM @ 3750 PSI

1:45 A. M. Start 1 1/2 lb/gal sand 50 BPM @ 3550 PSI

1:47 A. M. Pressure at 3500 PSI.
Cut sand. Go to flush.

1:49 A. M. Flush away. Shut down.
ISIP = 1800 PSI
5 min = 1650 PSI
10 min = 1575 PSI

Total sand = 62,800 lbs
Total fluid = 2,000 bbls.

2:12 A. M. Start in hole with Howco Bridge Plug.

2:46 A. M. Set plug at 7410' KB.

3:06 A. M. Pressure test plug to 4000 PSI.

3:33 A. M. Perforate Dakota 'A' zone at:
7330', 7332', 7334', 7337', 7362', 7364', 4 SPF, 24 holes.

3:35 A. M. Perforate Greenhorn at 7262', 7265', 7268', 7270', 7274',
4 SPF, 20 holes.

3:53 A. M. Break down perforations.
Broke at 400 PSI.
Establish rate 24 BPM @ 3500 PSI
Shut down - ISIP = 850 PSI

Flow well dead.

4:16 A. M. Perforate Greenhorn at:

7256', 7258', 4 SPF, 28 holes.

4:19 A. M. Perforate Tocito at:

7021', 7023', 7025', 7030', 4 SPF, 15 holes.

4:35 A. M. Establish rate in perforations

40 BPM @ 3600 PSI

Shut down - ISIP = 900 PSI

4:47 A. M. Start balls in acid, 52 balls in 7 bbls 7½% Hcl.

4:50 A. M. Run 3 balls/bbl for 17 bbls following acid.

Increase rate to 37 BPM @ 3800 PSI.
Total of 102 balls

4:56 A. M. Have ball off at 4000 PSI.
Surge balls off perforations.
Go in hole with junk basket.
Recover 95 balls.

DAKOTA 'A', GREENHORN, AND TOCITO FRAC

5:52 A. M. Start pad. 49 BPM @ 3800 PSI

5:59 A. M. Start 1/2 lb/gal sand 51 BPM @ 3825 PSI

6:01 A. M. 1/2 lb/gal sand
on formation 51 BPM @ 3800 PSI

6:02 A. M. Start 1 lb/gal sand 51.5 BMP @ 3750 PSI

6:04 A. M. 1 lb/gal sand
on formation 51.5 BPM @ 3750 PSI

6:07 A. M. On 1 lb/gal sand 51 BPM @ 3800 PSI

6:10 A. M. At 3900 PSI slow rate to 44 BPM @ 3550 PSI

6:14 A. M. On 1 lb/gal sand 44 BPM @ 3650 PSI

6:15 A. M. Pressure climbing.
Cut sand. Go to flush.

6:18 A. M. Flush away. Shut down.
ISIP = 1700 PSI
5 min = 1575 PSI
10 min = 1500 PSI

Total sand = 27,850 lbs
Total fluid = 1,350 bbls

6:38 A. M. Start in hole with Baker Bridge Plug .
7:15 A. M. Set plug at 6510' KB.
7:36 A. M. Pressure test plug to 4000 PSI.
Trip in hole with tubing.
Spot 400 gal. 7½% Hcl from 6471' uphole.
Trip out of hole with tubing.
12:00 P. M. Get in hole with gun and Bluejet's line shorts out.
Rehead.
1:49 P. M. Perforate Gallup formation at:
5908', 5993', 6012', 6016', 6022', 6032', 6036', 6066',
6229', 6245', 6251', 2 SPF, 22 holes.
Perforate Gallup at:
2:18 P. M. 6259', 6261', 6306', 6313', 6342', 6344', 6348', 6350',
6352', 6354', 6385', 2 SPF, 22 holes.
2:41 P. M. Perforate Gallup at:
6407', 6412', 6420', 6423', 6426', 6429', 6456', 6463',
6465', 6467', 6471', 2 SPF, 22 holes.
3:07 P. M. Break down Gallup perforations.
Broke at 1500 PSI.
Establish rate at 76 BPM @ 3400 PSI
Shut down.
ISIP = 300 PSI.
3:15 P. M. Start balls. 3 balls/bbl for 33 bbls.
Total of 100 balls.
Increase rate to 53 BPM @ 1900 PSI
Have ball off at 4000 PSI
Surge balls off perforations.
3:25 P. M. Go in hole with junk basket.
Recover 107 balls.

GALLUP FRAC

3:56 P. M. Start pad. 85 BPM @ 3700 PSI

4:02 P. M.	Start 1/2 lb/gal sand	84 BPM @ 3700 PSI
4:03 P. M.	1/2 lb/gal sand on formation	85 BPM @ 3600 PSI
4:04 P. M.	Start 1 lb/gal sand	85.5 BPM @ 3600 PSI
4:05 P. M.	1 lb/gal sand on formation	86 BPM @ 3550 PSI
4:10 P. M.	Start 1 1/2 lb/gal sand	84 BPM @ 3550 PSI
4:11 P. M.	1 1/2 lb/gal sand on formation	84 BPM @ 3550 PSI
4:12 P. M.	On 1 1/2 lb/gal sand	84 BPM @ 3550 PSI
4:20 P. M.	Cut sand. Go to flush Flush away. Shut down. ISIP = 300 PSI 5 min = 200 PSI 10 min =	
	Total sand = 70,000 lbs Total fluid = 2,150 lbs	
5:00 P. M.	Open well up. Flow Gallup formation back. Go in hole with retrieving head. Retrieve bridge set at 6510' KB.	
<u>11/1/84:</u>	Mill up bridge plug set at 7410' KB. Clean out casing to 7550' KB.	
	Land 230 joints of 2 3/8" 4.7 lb/ft J-55 tubing with seating nipple at 7385', with a 4' perforated sub and a 32' tail joint below seating nipple. Bottom of tubing at 7423' KB.	