

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' - 660' FSL & 1980' 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:

- ☐
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5. I.E.
Jicarilla Tribal Contract #71
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Jicarilla Contract #71
9. WELL NO.
39
10. FIELD OR WILDCAT NAME
South Lindrith-Gallup Dakota
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Section 9, T23N, R4W
12. COUNTY OR PARISH
Rio Arriba
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
7101' GR

RECEIVED

NOV 26 1984

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

DEPARTMENT OF THE INTERIOR
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, November 9, 1984
through November 14, 1984.

RECEIVED
DEC 05 1984
OIL CON. DIV.
DIST. 3

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED P. W. Kelly TITLE President DATE _____

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Set @ _____ Ft.

ACCEPTED FOR RECORD 1/27/84

FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

OPERATOR

JICARILLA APACHE 71-39 COMPLETION

11/9/84:

Pick up 2 3/8" tubing and 3 7/8" rock bit.
Drill out D. V. tool at 2907' KB.
Drill out cement to float collar at 7224' KB.
Circulate casing clean. Pull 3 joints tubing.

11/12/84:

Pick up 3 joints tubing.

Pressure test casing to 4000 PSI.

7:20 A. M. Circulate casing with 2% Kcl water.
Spot 200 gal. 7 1/2% acetic acid from 7176' up hole.
Trip out of hole with tubing.
Run correlation and cement bond log from TD to 5500'
5100' to 4850'
2950' to 2250'.

1:08 P. M. Perforate Dakota 'D' zone at:

7118', 7144', 7146', 7150', 7152', 7156', 7158', 7160', 7162', 7174',
7176', 4 SPF, 44 holes.

2:04 P. M. Break down Dakota 'D' perforations.

Broke at 2500 PSI.

Establish rate 26/35 BPM @ 3000/3600 PSI

Shut down. ISIP = 750/900 PSI

2:12 P. M. Start balls. 2 balls/bbl for 33 bbls. Total of 65 balls.

Increase rate to 39 BPM @ 2700 PSI.

Have a ball off at 4000 PSI.

Surge balls off perforations.

Go in hole with junk basket. Recover 65 balls.

DAKOTA 'D' FRAC:

3:07 P. M. Start pad. 50 BPM @ 3600 PSI.
Have a line leak. Shut down.

3:22 P. M. Start pad. 50 BPM @ 3700 PSI

3:26 P. M. Start 1/2 lb/gal sand 50 BPM @ 3800 PSI

3:28 P. M. 1/2 lb/gal sand
on formation 50 BPM @ 3800 PSI

3:30 P. M. Start 1 lb/gal sand 50 BPM @ 3800 PSI

3:32 P. M. 1 lb/gal sand
on formation 50 BPM @ 3750 PSI

3:42 P. M. Start 1 1/2 lb/gal
sand 49 BPM @ 3800 PSI

3:44 P. M. 1 1/2 lb/gal
sand on formation 49 BPM @ 3800 PSI

3:47 P. M. On 1 1/2 lb/gal
sand 47 BPM @ 3900 PSI

3:50 P. M. At 3950 PSI slow rate
to 44 BPM @ 3750 PSI

3:54 P. M. At 4000 PSI go back to
1 lb/gal sand 40 BPM @ 3800 PSI

On 1 lb/gal sand 39.5 BPM @ 3750 PSI

Cut sand. Go to flush.

4:10 P. M. Flush away. Shut down.

ISIP = 1850 PSI
5 min = 1700 PSI

Total sand = 80,500 lbs
Total fluid = 2,563 bbls

4:30 P. M. Start in hole with Howco Bridge Plug.

4:59 P. M. Set plug at 7070' KB.

Pressure test plug to 4000 PSI.

Trip in hole with tubing. Spot 300 gal 7 1/2% Hcl from
7030' up hole.

Trip out of hole with tubing.

8:53 P. M. Perforate Tocito zone at:

6686', 6688', 6690', 6692', 4 SPF, 16 holes.

8:56 P. M. Perforate Greenhorn zone at:

6917', 6922', 6929', 6932', 6934', 6938', 6940', 6948',
4 SPF, 32 holes.

9:28 P. M. Perforate Dakota 'A' zone at

7006', 7008', 7024', 7026', 7030', 4 SPF, 20 holes.

9:46 P. M. Break down perforations.

Broke at 2000 PSI.

Establish rate 38 BPM @ 3700 PSI

Shut down. ISIP = 1800 PSI.

Start balls. 3 balls/bbl for 34 bbls, total of 102 balls.

Increase rate to 47 BPM @ 3300 PSI.

Have a ball off at 4000 PSI.

Surge balls off perforations.

Go in hole with junk basket.

Recover 100 balls.

DAKOTA 'A', GREENHORN, AND TOCITO FRAC:

10:52 P. M.	Start pad.	50 BPM @ 3500 PSI
10:59 P. M.	Start 1/2 lb/gal sand	51 BPM @ 3500 PSI
11:01 P. M.	1/2 lb/gal sand on formation	51 BPM @ 3550 PSI
11:03 P. M.	Start 1 lb/gal sand	51 BPM @ 3550 PSI
11:05 P. M.	1 lb/gal sand on formation	51 BPM @ 3550 PSI
11:07 P. M.	At 4000 PSI, slow rate to	36 BPM @ 3550 PSI
	Go back to 1/2 lb/gal sand	36 BPM @ 3550 PSI
11:11 P. M.	Start 1 lb/gal sand	36 BPM @ 3600 PSI

11:13 P. M. 1 lb/gal sand
 on formation 36 BPM @ 3600 PSI

11:15 P. M. Start 1 1/2 lb/gal sand 36 BPM @ 3600 PSI

11:17 P. M. 1 1/2 lb/gal sand
 on formation 37 BPM @ 3400 PSI

11:22 P. M. On 1 1/2 lb/gal sand 37 BPM @ 3450 PSI

11:26 P. M. Cut sand. Go to flush 36 BPM @ 3750 PSI

11:30 P. M. Flush away. Shut down.

ISIP = 2200 PSI
5 min = 1900 PSI
10 min = 1800 PSI

Total sand = 46,350 lbs

Total fluid = 1,650 bbls

11/13/84:

Go in hole with Baker bridge plug.

12:38 A. M. Set plug at 6160' KB.

Start out of hole with setting tool. Try to bleed well off.

Did not bleed down.

12:50 A. M. Setting tool got stuck at 2600'.

Pull out of rope socket.

1:15 A. M. Rig up overshot on tubing.

Go in hole with tubing to fish setting tool.

Well still flowing.

1:40 A. M. Get on fishing neck. Pulled 10 points over string weight. Junk
moved \pm 2'. (38 stands plus a single 10' stickup)

Pulled off of junk. Come out of hole with tubing and overshot.

Had cable marks on end of overshot.

Made 2 more unsuccessful overshot runs.

8:30 A. M. Picked up Homeco overshot with 2" grapple. Ran in hole and latched

on fishing neck.

Pull 40,000 lbs over string weight. No movement.

Pulled 65,000 lbs over string weight. Moved tubing and junk
± 40' up hole. Tubing would not go back down hole.

Pulled 70,000 lbs on tubing. Moved up hole ± 40' to next
casing collar. Was moving with ± 40,000 lbs weight showing
on weight indicator.

Pulled ± 70,000 lbs on tubing. Moved junk up hole ± 40' to
next casing collar.

Pulled on tubing. Junk would not move.

Backed off overshot. Came out of hole with tubing and overshot.

10:45 A. M. Wait on drill collars, bumper sub and jars.

1:45 P. M. Start in hole with fishing tools.

6 - 3 1/8" drill collars
1 - Set jars
1 - Bumper sub
1 - String float

3:00 P. M. Get on fishing neck of logging tools (fish)
Jar tools free
Come out of hole with fish dragging all the way.

7:00 P. M. Get out of hole with fish. Have all logging tools except for
Baker bridge plug.

7:27 P. M. Rig up retrieving head, string float, bumper sub and jars on
tubing. Go in hole to retrieve Baker bridge plug.

11:00 P. M. Out of hole with bridge plug.

11:40 P. M. Start in hole with new Baker bridge plug.

11/14/84:

12:20 A. M. Set plug at 6165' KB.

12:38 A. M. Pressure test plug to 4000 PSI.

Spot 450 gal 7½% Hcl from 6122' up hole.

Perforate Gallup zone as follows:

6:20 A. M. 5562', 5634', 5652', 5657', 5697', 5699', 5707', 5728',
5742', 5779', 2 SPF, 20 holes.

6:45 A. M. Perforate Gallup zone at:
5812', 5833', 5838', 5867', 5880', 5882', 5894', 5916',
5947', 5962', 5964', 2 SPF, 22 holes.

7:14 A. M. Perforate Gallup zone at:
5980', 5983', 5987', 5992', 5994', 5998', 6000', 6004', 6019',
6054', 6068', 2 SPF, 22 holes.

7:44 A. M. Perforate Gallup zone at:
6075', 6077', 6083', 6088', 6104', 6112', 6114', 6116',
6118', 6120', 6122', 2 SPF, 22 holes.

8:01 A. M. Break down Gallup perforations.
Broke at 1800 PSI.
Establish rate 52 BPM @ 2900 PSI
Shut down. ISIP = 450 PSI.

8:04 A. M. Start balls. 4 balls/bbl for 33 bbls (132 balls)
Increase rate to 33 BPM @ 1300 PSI
Have ball off at 4000 PSI.
Surge balls off perforations.
Go in hole with junk basket.
Recover 83 balls.

GALLUP FRAC:

9:32 A. M. Start pad. 63 BPM @ 2300 PSI

9:40 A. M. Start 1/2 lb/gal sand 64.5 BPM @ 2300 PSI

9:41 A. M. 1/2 lb /gal sand
on formation 64.5 BPM @ 2325 PSI

9:43 A. M.	Start 1 lb/gal sand	64.5 BPM @ 2325 PSI
9:44 A. M.	1 lb/gal sand on formation	64 BPM @ 2300 PSI
9:49 A. M.	On 1 lb/gal sand	64 BPM @ 2650 PSI
9:59 A. M.	On 1 lb/gal sand	63 BPM @ 2950 PSI
10:04 A. M.	Start 1 1/2 lb/gal sand	63 BPM @ 2900 PSI
10:06 A. M.	1 1/2 lb/gal sand on formation	63 BPM @ 2900 PSI
10:09 A. M.	On 1 1/2 lb/gal sand	62 BPM @ 3150 PSI
10:19 A. M.	On 1 1/2 lb/gal sand	58.5 BPM @ 3350 PSI
10:30 A. M.	Cut sand. Go to flush.	57 BPM @ 3400 PSI
10:32 A. M.	Flush away. Shut down.	

ISIP = 550 PSI

5 min = 450 PSI

10 min = 400 PSI

Total sand = 150,000 lbs

Total fluid = 3,150 bbls

Open well up. Flow Gallup formation back. Go in hole with 2 3/8" tubing and retrieving head. Retrieve Baker bridge plug set at 6165' KB.

Mill up bridge plug set at 7070' KB.

Clean out casing to float collar @ 7224' KB.

Run radio active tracer survey from T. D. to 6600' KB.
from 6200' to 5500' KB

Land production tubing with seating nipple at 7052' KB, with a 4' perforated sub and a 32' tail joint of 2 3/8" tubing below seating nipple.