

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.

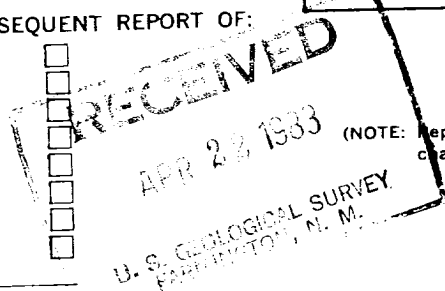
3. ADDRESS OF OPERATOR 87108  
313 Washington, SE, Albuquerque, NM

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: Unit 'O' - 775' FSL &  
AT TOP PROD. INTERVAL: 2175' FEL  
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:



5. LEASE

Jicarilla 70

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla 70

9. WELL NO.

70-15

10. FIELD OR WILDCAT NAME

S. Lindrith Gallup Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 34, T24N, R4W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

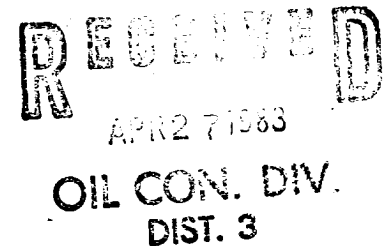
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

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. 4/13/83 through 4/16/83.



Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED [Signature] TITLE President DATE 4/20/83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

FILED FOR RECORD

\*See Instructions on Reverse Side

APR 22 1983

NMOCC

Jicarilla Apache 70-15 Recompletion

4/13/83:

2:00 P. M. Unseat pump. Hot oil tubing with 40 bbl.  
2:45 P. M. Start out of hole with rods.  
4:30 P. M. Out of hole with rods.  
Nipple up BOP  
6:30 P. M. Pick up 2 joints of tubing. Tag bottom.  
7:55 P. M. Try to circulate hole with Kcl H<sub>2</sub>O.  
Could not establish circulation.  
Wash Dakota perfs with 300 gal. 7½% Hcl.  
8:44 P. M. Pull 7 stands. Pump acid into Dakota perforations.  
9:05 P. M. Trip out of hole with tubing. Rig Western up to well head.  
Rig Bluejet up.

4/14/83:

1:36 A. M. Go in hole with correlation log.  
3:06 A. M. Trip out of hole with logging tool.  
3:15 A. M. Go in hole with EZ Drill Bridge Plug.  
3:43 A. M. Set plug @ 7140'.  
4:00 A. M. Go in hole to perforate Greenhorn zone.  
4:25 A. M. Perforate Greenhorn @ 7120', 7117', 7115', 7112', 7109',  
7106', 7100', 7097', 7093', 7080'.  
Fluid level @ 5600'/misfire on 7074', 7080'.  
4:41 A. M. Go in hole to perforate Greenhorn zone @ 7072', 7080'.  
Eliminate 7074', 7065'.  
4:53 A. M. Perforate Tocito Zone @ 6871', 6869', 6823', 6813', 6807',  
6782', 6770', 6754', 6750'.

TOCITO GREENHORN FRAC

5:23 A. M. Load hole. 94 bbl.  
5:26 A. M. Establish rate. 49 BPM @ 3100 PSI  
1300 PSI. ISIP  
Bullhead 200 gal. 7½% Hcl with 90 frac balls  
Run 20 bbl spacer  
Drop 5 balls/bbl in 18 bbl.  
At 3200 PSI shut down.

## 70-15 Recompletion

7:15 A. M.	Start pad. Shut down.	Gate box showing no rate.	
7:38 A. M.	Start pad.	50 BPM @ 3750 PSI	
7:41 A. M.		50 BPM @ 3400 PSI	
	Start 1/2 lb. sand	50 BPM @ 3200 PSI	
	1/2 lb. sand on formation	50 BPM @ 3200 PSI	
	Stay at 1/2 lb. sand	50 BPM @ 3550 PSI	
7:48 A. M.		50 BPM @ 3600 PSI	
7:49 A. M.	On 1/2 lb. gal sand	50 BPM @ 3750 PSI	
7:50 A. M.	Slow rate due to high pressure	42 BPM @ 3550 PSI	
	Slow rate due to high pressure	34 BPM @ 3800 PSI	
7:52 A. M.	Cut sand. Go to flush	34 BPM @ 3700 PSI	744 bbls. slurry
	On flush	30 BPM @ 3700 PSI	
		26 BPM @ 3700 PSI	
7:56 A. M.	Flush away. Shut down. ISIP	1750 PSI	
	856 bbl. slurry Pump 5 min. Shut in 10,400 lbs sand	1400 PSI	
8:15 A. M.	Go in hole with retrievable bridge plug.		
8:58 A. M.	Set RBP @ 6380'		
9:18 A. M.	Pressure test plug to 4000 PSI.		
	Go in hole with dump bailer.		
10:11 A. M.	Spot 7 gal. sand on bridge plug.		
11:00 A. M.	Go in hole with tubing to spot acid over Gallup formation.		
	Spot acid from 6318' to 5629'.		
1:30 P. M.	Come out of hole with tubing.		
1:45 P. M.	Out of hole with tubing. Flange up frac head. Rig up Bludjet.		

## 70-15 Recompletion

3:05 P. M. Go in hole with perforating guns to shoot Upper Gallup

3:35 P. M. Perforate Upper Gallup @ 5806', 5809', 5823', 5841', 5844, 5849', 5863', 5871', 5876', 5880', 5888' - 4 SPF.  
Have 5 misfires

4:59 P. M. Reperforate @ 5863', 5871', 5876', 5880', 5888'

5:18 P. M. Break down Upper Gallup perforations.  
Broke @ 1900 PSI  
Establish rate. 52 BPM @ 2700 PSI  
ISIP = 750 PSI

5:30 P. M. Run in hole with guns to perforate Lower Gallup

5:42 P. M. Perforate Gallup @ 6302', 6307', 6311', 6314', 6316', 6319'.  
Break down Upper and Lower Gallup perforations.  
Broke @ 1700 PSI.  
Establish rate 70 BPM @ 3500 PSI  
ISIP = 700 PSI

6:02 P. M. Start balls. 5 balls/bbl in 10 bbl, 12 BPM  
20 bbl spacer 22 BPM  
5 balls/bbl in 10 bbl, 12 BPM  
Increase rate 43 BPM @ 1700 PSI

6:06 P. M. Balls should be on. Have ball action.

6:10 P. M. Pressure increases to 3700 PSI. Shut down.

6:45 P. M. Go in hole with junk basket to pick up balls.

7:25 P. M. Out of hole with junk basket.

GALLUP FRAC

7:36 P. M. Start pad. 79 BPM @ 2800 PSI  
77 BPM @ 2900 PSI

7:44 P. M. Start 1/2 lb sand 77½ BPM @ 2900 PSI  
Sand on formation 78 BPM @ 2900 PSI

7:47 P. M. Start 1 lb sand 78 BPM @ 2900 PSI

### 70-15 Recompletion

7:49 P. M.	1 lb sand on formation	78 BPM @ 2900 PSI
7:51 P. M.	On 1 lb sand	79 BPM @ 2850 PSI
7:57 P. M.	On 1 lb sand	78 BPM @ 2900 PSI
8:05 P. M.	Start 1.5 lb sand	78 BPM @ 2900 PSI
8:06 P. M.	1.5 lb sand on formation	77.5 BPM @ 2900 PSI
8:12 P. M.	On 1.5 lb sand	78.5 BPM @ 2850 PSI
8:25 P. M.	Go to flush - 3694 bbl slurry	
8:26 P. M.	Flush away. Shut down.	
	ISIP = 500 PSI	
	5 min. shut in - 400 PSI	
	15 min. shut in - 400 PSI	
	155,000 lbs. sand	
	3627 bbls H <sub>2</sub> O pumped	
10:30 P. M.	Open well up. Flow back Gallup formation.	

### 4/15/83:

2:30 A. M.	Go in hole with tubing and retrieving head to retrieve bridge plug.	
3:45 A. M.	Come out of hole with plug.	
6:30 A. M.	Go in hole with tubing and mill. Mill up EZ drill bridge plug @ 7140'.	
	Clean casing out to 7390'.	
	Come out of hole with mill.	
7:30 P. M.	Go in hole with tubing and seating nipple.	
	Land 2 3/8" tubing @ 7316'.	
10:30 P. M.	Blow hole down with nitrogen.	

### 4/16/83:

4:11 A. M.	Hang rods on pump.
7:30 A. M.	Start pump jack.