

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form Approved.  
Budget Bureau No. 42-R1424

**GUNDRY 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 "K" 1850' WL and 1850' SL  
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:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐ Progress Report

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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.  
11

10. FIELD OR WILDCAT NAME  
South Lindrith Gallup Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 34, T24N, R4W

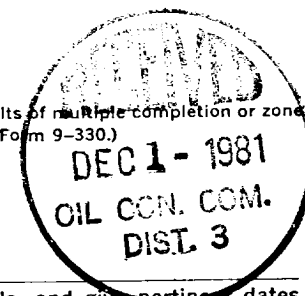
12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
7042' GR

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



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 attached two sheets

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

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

SIGNED Royce McCarty TITLE President DATE 11/24/81

(This space for Federal or State office use)

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

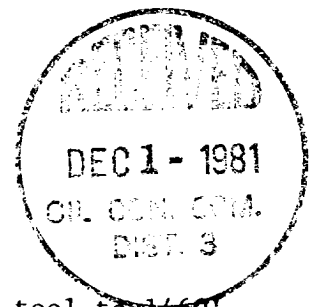
DEC 30 1981

\*See Instructions on Reverse Side

FARMINGTON DISTRICT

BY SM

4-10000



- 11/02/81 Blue Jet ran cement bond log. 100% bond from DV tool to 1460'. Ran Halliburton RTTS packer. Set packer at 3089'. Cemented with 350 sxs Class "B", 2% calcium chloride. Pumped in at 400 psi on displacement. Staged cement. Cement was holding at 1000 psi. Released packer and pulled 20 joints and reset packer. Pressured up to 800 psi. Shut down overnight.
- 11/03/81 Pressure tested to 2500 psi. Pulled out of hole with tubing. Halliburton cemented 150 sxs, 2% calcium chloride. Staged the cement. Shut in with 800 psi on casing. Shut down.
- 11/04/81 Pressure tested to 1250 psi. Ran 3-7/8" bit and tubing. Tagging cement at 869'. Drilled out cement to 1183'. Shut down overnight.
- 11/05/81 Drilled out cement to 1301'. Pulled out of hole and pressure tested. Plug down at 2800 psi. Pumping 5 bbls per min. at 1500 psi. Cemented with 400 sxs Class "B", 3% calcium chloride. Staged cement to 1000 psi. Shut in overnight.
- 11/06/81 50 psi on casing. Ran 3-7/8" bit and tubing. Packed cement at 1053'. Drilled out cement to 1271'. Pressure tested to 1250 psi. Shut down overnight.
- 11/07/81 Drilled out cement to 1301'. Pressure tested to 2000 psi. Bled off to 1500 psi in 10 minutes. Ran bit to 3266'. Drilled out cement to 3518'. Circulated hole clean. Pulled out of hole for new bit. Ran new bit and tubing to 7100'. Western pressure tested to 2000 psi. Bled to 1400 psi in 10 minutes. Shut down overnight.
- 11/09/81 Pulled out of hole with bit. Ran Halliburton RTTS packer and tubing to 1433'. Pressure tested tubing to 3000 psi for 10 minutes. Pressure tested casing to 2000 psi for 10 minutes. Both held good. Pulled out of hole with packer. Ran bit and tubing to 7150'. Displaced casing with 1% KCl water. Shut down overnight.
- 11/10/81 Drilled out bridge plug. Circulated casing clean. Pushed bridge plug to bottom. Pulled out of hole. Waited and unloaded 3 1/2" pipe.
- 11/11/81 Stand by waiting on pipe connection.
- 11/12/81 Standing by.
- 11/14/81 Picked up and ran two 3-1/2" flush joints for tail pipe and RTTS packer. 148 3-1/2" flush joints tail piped at 4968'. Packer at 4908'.
- 11/15/81 Shut down

- 11/16/81 Western fracked Dakota "C" and "D" zones with 60,000 of 20-40 sand and 23,000 gallons slick water.  
12,000 gallon slick water pad  
5,000 1/2# sand per gallon  
5,000 1# " " "  
35,000 1-1/2" " "  
5,000 Flush  
Treating pressure Min. 3800, max. 4000. 30 bbls min. injection rate. 23 bbls min on flush. Instant shut down pressure 1500 psi. Bled down to 12,000 psi in 60 min. to 1020 psi in 4 hours. Started flowing back at 1PM.
- 11/17/81 Killed well with 60 bbls, 10# salt water. Released packer and pulled out of hole with tubing. Blue Jet perforated at 7084-7100', 7072'-7076', 7030-7034' and 7008'-7012', one shot per foot (28 holes). Ran tail pipe and tubing. Set packer at 4875'. Broke down perforations at 2200 psi. Attempted to ball off. Balls bridged and wellhead choked. Could not get any rate of flow. Backside pressure (casing side) dropped off indicating a new hole in the casing. Packer and 3 1/2" liner pipe raised up some eight inches indicating the packer had released. However, there was no sign of communication between the casing side and the tubing. Broke off wellhead, flowed back to pit to check for bridge in line pipe. Could not see any balls at all. Shut down to come out of hole with tubing.
- 11/18/81 Killed well with 100 bbls salt water. Released packer and pulled out of hole with tubing. Ran new packer and tubing. Set packer at 4908'. Tailpipe at 4968'. Western fracked with 67,000 slick water. 65,000 20-40 sand. 12,000 gallon pad.  
5,000 gallon 1/2# sand per gallon  
10,000 gallon 1# sand per gallon  
35,000 gallon 1-1/2# sand per gallon  
5,000 flush  
Treating pressure Min. 3600, Max. 3900, avg. 3700, 31 bbls per min. Instant shut in pressure 1800, 15 min. 1500, 1 hr. 1225#, 2 hrs. 1150#, 3hrs. 1100#, 4 hrs. 1000#. Opened well up and flowed to pit.
- 11/19/81 Killed well. Released packer and pulled out of hole with packer, Blue Jet set drillable bridge plus at 6300'. Perforated at: 6228-40', 6080-94', 6069-71', 5974-77', one shot per foot; and 6180' at 4 shots per foot. Total 35 holes. Ran tubing and packer at 4908'. Tailpipe at 4968'. Broke down perforations 1200 psi. Balled off with 250 gallons of Hcl acid. Bled well back overnight.
- 11/20/81 Western started frac on Gallup first. Sanded off and cleaned with sand and Newsco endless tubing. Fracked as follows: 16,632 gallon pad, 93,080 1/2# sand per gallon; 16,716 1# sand per gallon, 11,214 1-1/2# sand per gallon, 38,724 1# sand per gallon and 3780 gallon flush.