

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Chace Oil Company, Inc.

3. ADDRESS OF OPERATOR

313 Washington, S. E., Albuquerque, NM 87108

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

Unit 'B' - 380' FNL &amp; 1650' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED  
BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

15. DATE SPUDDED

6/13/84

16. DATE T.D. REACHED

6/26/84

17. DATE COMPL. (Ready to prod.)

7/5/84

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*

7248' GR; 7261' KB

19. ELEV. CASINGHEAD

7249'

20. TOTAL DEPTH, MD &amp; TVD

7555' KB

21. PLUG BACK T.D., MD &amp; TVD

7522' KB

22. IF MULTIPLE COMPL. HOW MANY\*

2

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-7555' KB

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Dakota 'D': 7382'-7408'; Greenhorn: 7125'-7166'; Gallup: 5906'-6376';

Dakota 'A': 7206'-7238'; Tootito: 6930'-6934'

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction - Density

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD   | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|--------------------|---------------|
| 8 5/8"      | 24              | 224' KB        | 12 1/4"   | 200 sks (236 CF)   | None          |
| 4 1/2"      | 11.6            | 7555' KB       | 7 7/8"    | 1650 sks (2707 CF) | None          |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | TACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
|      |          | 0           |               |             | 2 3/8" | 7343' KB       | None            |
|      |          |             |               |             |        | SN 7307' KB    |                 |

31. PERFORATION RECORD (Interval, size and number)

SEE ATTACHED

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

SEE ATTACHED

AMOUNT AND KIND OF MATERIAL USED

33.\*

DATE FIRST PRODUCTION

7/6/84

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Swabbing

DATE OF TEST

HOURS TESTED

CHOKE SIZE

PROD'N. FOR TEST PERIOD

OIL—BBL.

GAS—MCF.

WATER—BBL.

GAS-OIL RATIO

7/7/84

24

2 3/8"

108

21

21 MCF

41

194

FLOW. TUBING PRESS.

CASING PRESSURE

CALCULATED 24-HOUR RATE

OIL—BBL.

GAS—MCF.

WATER—BBL.

OIL GRAVITY-API (CORR.)

145 PSI

160 PSI

108

21

41

43

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold, used for fuel

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available data.

SIGNED

D. W. Miller President

\*(See Instructions and Spaces for Additional Data on Reverse Side)

FARMINGTON RESOURCE AREA

BY

Smm

ACCEPTED FOR RECORD  
JUL 11 1984

Jicarilla Apache 47-8

28. Cementing Record

Spud: 200 sks (236 CF) Class B neat, 1/4 lb/sk Flocele, 3% calcium chloride.

1st stage: 1200 sks (1716 CF) 50/50 pozmix, 2% gel, 6 1/4 lb/sk Gilsonite, 6 lb/sk salt.

2nd stage: 400 sks (932 CF) 65/35 pozmix, 2% gel, 6 1/4 lb/sk Gilsonite.

Tailed in with 50 sks (59 CF) Class B neat.

31. Perforation Record

Dakota 'D': 7382', 7384', 7386', 7388', 7390', 7392', 7394', 7396', 7404', 7408', 4SPF, 40 holes.

Dakota 'A': 7206', 7208', 7216', 7224', 7226', 7227', 7230', 7232', 7234', 7236', 7238', 3SPF, 33 holes.

Greenhorn: 7125', 7145', 7149', 7153', 7156', 7159', 7162', 7166', 3SPF, 24 holes.

Tocito: 6930', 6932', 6934', 3 SPF, 9 holes.

Gallup: 5906', 5908', 5935', 6103', 6108', 6114', 6139', 6148', 6179', 6194', 6196', 6236', 6238', 6242', 6244', 6248', 6250', 6254', 6256', 6258', 6260', 6262', 6264', 6293', 6311', 6360', 6362', 6365', 6367', 6369', 6371', 6373', 6376', 3 SPF, 99 holes.

32. Acid Fracture

Dakota 'D': 200 gal 7 1/2% acetic acid  
71,169 lbs 20/40 sand  
2,786 bbls water

Dakota 'A': ) 300 gal 7 1/2% Hcl  
Greenhorn : ) 55,600 lbs 20/40 sand  
Tocito : ) 1,952 bbls water

Gallup: 400 gal 7 1/2% Hcl  
125,000 lbs 20/40 sand  
3,400 bbls water

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 83, below, regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top (s), bottom (s), and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

Jicarilla Apache 47-8

## 37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION       | TOP  | BOTTOM         | DESCRIPTION, CONTENTS, ETC.              |
|-----------------|------|----------------|------------------------------------------|
| Ojo Alamo       | 2582 | 2856           | Sand - wet                               |
| Pictured Cliffs | 3010 | 3090           | Sand with coal and shale strks - no show |
| Chadron         | 3358 | 4000           | Shale with sand strks - no show          |
| Cliff House     | 4550 | 4632           | Sand and shale - no show                 |
| Point Lookout   | 5144 | 5192           | Sand - possible show                     |
| Gallop          | 5816 | 6382           | Sand and shale - oil and gas             |
| Todd            | 6816 | 6938           | Sand and shale - possible shows          |
| Greenhorn       | 7118 | 7181           | Sandy lime - oil and gas shows           |
| Dakota 4A       | 7202 | 7240           | Sand with shale strks - oil and gas      |
| Dakota 4D       | 7348 | 7416           | Sand with shale strks - oil and gas      |
| Butte Canyon    | 7450 | Still in at TD | Sand no show                             |

## 38. GEOLOGIC MARKERS

| NAME | MEAS. DEPTH | TRUE VERT. DEPTH |
|------|-------------|------------------|
|------|-------------|------------------|