

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other In-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

|                                                                                                                                                                                                                     |  |                                                                                  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------|--|
| 1a. TYPE OF WELL:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/>                                                                                    |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>Tribal Contract #71                       |  |
| b. TYPE OF COMPLETION:<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>Jicarilla Apache                         |  |
| 2. NAME OF OPERATOR<br>Chace Oil Company, Inc.                                                                                                                                                                      |  | 7. UNIT AGREEMENT NAME                                                           |  |
| 3. ADDRESS OF OPERATOR<br>313 Washington, SE, Albuquerque, NM 87108                                                                                                                                                 |  | 8. FARM OR LEASE NAME<br>Jicarilla Tribal Contract #71                           |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)<br>At surface Unit 'C' - 710' FNL & 2015' FWL<br>At top prod. interval reported below<br>At total depth                 |  | 9. WELL NO.<br>-12                                                               |  |
| 10. FIELD AND POOL, OR WILDCAT                                                                                                                                                                                      |  | 11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA<br>S. Lindrith Gallup Dakota      |  |
| 12. COUNTY OR PARISH<br>Rio Arriba                                                                                                                                                                                  |  | 13. STATE<br>New Mexico                                                          |  |
| 14. PERMIT<br>FARMINGTON RESOURCE AREA                                                                                                                                                                              |  | 15. DATE SPUNDED<br>7/30/83                                                      |  |
| 16. DATE T.D. REACHED<br>8/12/83                                                                                                                                                                                    |  | 17. DATE COMPL. (Ready to prod.)<br>8/22/83                                      |  |
| 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)<br>7305' GL, 7317' KB                                                                                                                                                        |  | 19. ELEV. CASING HEAD<br>7306                                                    |  |
| 20. TOTAL DEPTH, MD & TVD<br>7615' KB                                                                                                                                                                               |  | 21. PLUG, BACK T.D., MD & TVD<br>7574' KB                                        |  |
| 22. IF MULTIPLE COMPL., HOW MANY*                                                                                                                                                                                   |  | 23. INTERVALS DRILLED BY<br>0-7615'                                              |  |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>Dakota 'D': 7436-7491'; Greenhorn: 7206-7260'; Gallup: 6236-6459'<br>Dakota 'A': 7305-7344'; Tocito: 6947-7005'                    |  | 25. WAS DIRECTIONAL SURVEY MADE<br>Yes                                           |  |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>Induction, Density                                                                                                                                                          |  | 27. WAS WELL CORED<br>No                                                         |  |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                  |  |                                                                                  |  |
| CASING SIZE                                                                                                                                                                                                         |  | WEIGHT, LB./FT.                                                                  |  |
| 8 5/8"                                                                                                                                                                                                              |  | 24                                                                               |  |
| 4 1/2"                                                                                                                                                                                                              |  | 11.6                                                                             |  |
| DEPTH SET (MD)                                                                                                                                                                                                      |  | HOLE SIZE                                                                        |  |
| 215' KB                                                                                                                                                                                                             |  | 12 1/4"                                                                          |  |
| 7615' KB                                                                                                                                                                                                            |  | 7 7/8"                                                                           |  |
| CEMENTING RECORD                                                                                                                                                                                                    |  | AMOUNT PULLED                                                                    |  |
| SEE ATTACHED                                                                                                                                                                                                        |  | None                                                                             |  |
| 29. LINER RECORD                                                                                                                                                                                                    |  |                                                                                  |  |
| SIZE                                                                                                                                                                                                                |  | TOP (MD)                                                                         |  |
| 2 3/8"                                                                                                                                                                                                              |  | 6558'                                                                            |  |
| DEPTH SET (MD)                                                                                                                                                                                                      |  | PACKER SET (MD)                                                                  |  |
| 2 3/8"                                                                                                                                                                                                              |  | 6558'                                                                            |  |
| 30. TUBING RECORD                                                                                                                                                                                                   |  |                                                                                  |  |
| SIZE                                                                                                                                                                                                                |  | TOP (MD)                                                                         |  |
| 2 3/8"                                                                                                                                                                                                              |  | 6558'                                                                            |  |
| DEPTH SET (MD)                                                                                                                                                                                                      |  | PACKER SET (MD)                                                                  |  |
| 2 3/8"                                                                                                                                                                                                              |  | 6558'                                                                            |  |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                                  |  |                                                                                  |  |
| SEE ATTACHED                                                                                                                                                                                                        |  |                                                                                  |  |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                      |  |                                                                                  |  |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                 |  | AMOUNT AND KIND OF MATERIAL USED                                                 |  |
| SEE ATTACHED                                                                                                                                                                                                        |  |                                                                                  |  |
| 33. PRODUCTION                                                                                                                                                                                                      |  |                                                                                  |  |
| DATE FIRST PRODUCTION<br>8/22/83                                                                                                                                                                                    |  | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br>Swabbing |  |
| WELL STATUS (Producing or shut-in)<br>Producing                                                                                                                                                                     |  |                                                                                  |  |
| DATE OF TEST<br>8/23/83                                                                                                                                                                                             |  | HOURS TESTED<br>24                                                               |  |
| CHOKE SIZE<br>2"                                                                                                                                                                                                    |  | PROD'N. FOR TEST PERIOD<br>116                                                   |  |
| OIL—BBL.<br>116                                                                                                                                                                                                     |  | GAS—MCF.<br>20                                                                   |  |
| WATER—BBL.<br>49                                                                                                                                                                                                    |  | GAS-OIL RATIO<br>172                                                             |  |
| FLOW. TUBING PRESS.<br>140                                                                                                                                                                                          |  | CASING PRESSURE<br>195                                                           |  |
| CALCULATED 24-HOUR RATE<br>116                                                                                                                                                                                      |  | OIL—BBL.<br>116                                                                  |  |
| GAS—MCF.<br>20                                                                                                                                                                                                      |  | WATER—BBL.<br>49                                                                 |  |
| OIL GRAVITY-API (CORR.)<br>42                                                                                                                                                                                       |  |                                                                                  |  |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>Vented - to be sold                                                                                                                                   |  |                                                                                  |  |
| 35. LIST OF ATTACHMENTS<br>ACCEPTED FOR RECORD                                                                                                                                                                      |  |                                                                                  |  |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                                   |  |                                                                                  |  |
| SIGNED<br>D. W. McLean                                                                                                                                                                                              |  | TITLE<br>President                                                               |  |
| DATE<br>August 24, 1983                                                                                                                                                                                             |  | DATE<br>August 24, 1983                                                          |  |

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

FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO

BY

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# 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 33, 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.)

| 37. SUMMARY OF POROUS ZONES:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING<br>DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES |      |        | 38. GEOLOGIC MARKERS                   |      |             |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|----------------------------------------|------|-------------|------------------|
| FORMATION                                                                                                                                                                                                                                             | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC.            | NAME | MEAS. DEPTH | TRUE VERT. DEPTH |
| Ojo Alamo                                                                                                                                                                                                                                             | 2605 | 2754   | Sand - Wet                             |      |             |                  |
| Pictured Cliffs                                                                                                                                                                                                                                       | 3051 | 3140   | Sand w/ coal and shale strks - No show |      |             |                  |
| Chacra                                                                                                                                                                                                                                                | 3402 | 4021   | Shale w/ sd strks - no show            |      |             |                  |
| Cliff House                                                                                                                                                                                                                                           | 4572 | 4664   | Sand and shale - tite                  |      |             |                  |
| Point Lookout                                                                                                                                                                                                                                         | 5123 | 5356   | Sand - wet                             |      |             |                  |
| Upr. Gallup                                                                                                                                                                                                                                           | 5870 | 6016   | Sand and shale - tite                  |      |             |                  |
| Mid Gallup                                                                                                                                                                                                                                            | 6016 | 6212   | Sand and shale - tite                  |      |             |                  |
| Gallup Main                                                                                                                                                                                                                                           | 6212 | 6469   | Sand and shale - oil and gas           |      |             |                  |
| Tocito                                                                                                                                                                                                                                                | 6880 | 7008   | Sand and shale - poss. shows           |      |             |                  |
| Greenhorn                                                                                                                                                                                                                                             | 7204 | 7265   | Sandy lime - oil and gas shows         |      |             |                  |
| Dakota 'A'                                                                                                                                                                                                                                            | 7298 | 7346   | Sand w/ sh strks - oil and gas         |      |             |                  |
| Dakota 'D'                                                                                                                                                                                                                                            | 7428 | 7514   | Sand w/ sh strks - oil and gas         |      |             |                  |
| Burro Canyon                                                                                                                                                                                                                                          | 7532 | -      | Sand - wet                             |      |             |                  |

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OIL CON. DIV.  
DIST. 3

Jicarilla Apache 71-12

28. Cementing Record:

8 5/8" casing: 177 sks (208 CF) Class B, 3% calcium chloride, 1/4 lb/sk Flocele  
4 1/2" casing - 1st stage: 1200 sks (1716 CF) 50/50 pozmix, 2% gel, 6 1/4 lb/sk  
Gilsonite, 6 lb/sk salt  
2nd stage: 425 sks (990 CF) 65/35 pozmix, 12% gel, 6 1/4 lb/sk  
Gilsonite  
50 sks (59 CF) Class B

31. Perforating Record:

Gallup: 6236', 6238', 6240', 6245', 6259', 6261', 6269', 6275', 6277', 6280',  
6287', 6297', 6317', 6320', 6341', 6405', 6407', 6409', 6417', 6421',  
6424', 6427', 6429', 6433', 6435', 6444', 6446', 6459' - 4 SPF, 112 holes

Tocito: 6947', 6995', 6997', 6999', 7001', 7003', 7005' - 4 SPF, 28 holes

Greenhorn: 7206', 7211', 7219', 7227', 7234', 7238', 7241', 7245', 7249',  
7260' - 4 SPF, 40 holes.

Dakota 'A': 7305', 7307', 7309', 7311', 7312', 7315', 7319', 7322', 7344',  
4 SPF, 36 holes

Dakota 'D': 7436', 7460', 7463', 7465', 7470', 7473', 7475', 7477', 7479',  
7486', 7491' - 4 SPF, 44 holes

32. Acid, Shot, Fracture

Gallup: 450 gal 7½% Hcl  
125,000 lbs 20/40 sand  
3,446 bbls water

Tocito )  
Greenhorn ) 400 gal 7½% Hcl  
Dakota 'A') 90,000 lbs 20/40 sand  
2,442 bbls water

Dakota 'D' 250 gal 7½% acetic acid  
90,000 lbs 20/40 mesh sand  
2,461 bbls water

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