Form 9-330
(Rev. 5-63)

# 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*

RECEIVED
JUL 03 1984
OIL CON. DIV.
DIST. 3
RECEIVED
JUN 27 1984
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] 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 'P' - 459' FSL & 648' FEL
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: Tribal Contract #361

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Jicarilla Apache

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Jicarilla Tribal Contract #361

9. WELL NO.: ~~361~~ 4

10. FIELD AND POOL, OR WILDCAT: South Lindrith Gallup-Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 4 T23N, R4W

12. COUNTY OR PARISH: Rio Arriba

13. STATE: NM

14. PERMIT NO. | DATE ISSUED

| 15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (Ready to prod.) | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* | 19. ELEV. CASINGHEAD |
|---|---|---|---|---|
| 5/19/84 | 6/1/84 | 6/14/84 | 7199' GR, 7213' KB | 7200' |

| 20. TOTAL DEPTH, MD & TVD | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS |
|---|---|---|---|---|---|
| 7488' KB | 7444' KB | | → | 0-7488' | |

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Dakota 'D': 7274'-7331' Greenhorn: 7076'-7096' Gallup: 5770'-6308'
Dakota 'A': 7157'-7166' Tocito: 6865'-6870'

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 | 223'-KB | 12 1/4" | 170 Sks (200 CF) | None |
| 4 1/2" | 11.60 | 7488' KB | 7 7/8" | 1680 Sks (2777 CF) | None |
| | | | | SEE ATTACHED | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|---|---|---|---|---|
| | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| 2 3/8" | ~~7287~~ KB < 7287 | None |

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 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) |
|---|---|---|
| 6/15/84 | Swabbing | Producing |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD → | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|---|---|---|---|---|---|---|---|
| 6/16/84 | 24 | 2" | | 116 | 20 | 44 | 172 |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE → | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---|---|---|---|---|---|---|
| 140 | 165 | | 116 | 20 | 44 | 43 |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Used for fuel, to be sold

TEST WITNESSED BY: Andy Birdsell

35. LIST OF ATTACHMENTS

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

SIGNED D. W. Miller TITLE President DATE June 18, 1984

ACCEPTED FOR RECORD
JUL 02 1984
FARMINGTON RESOURCE AREA
BY SMM

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

NMOCC

# 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.)

Jicarilla #361-4-JV

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 | 2472 | 2614 | Sand - wet |
| Pictured Cliffs | 2927 | 2998 | Sand - w/coal strks - no show |
| Chacra | 3267 | 3880 | Silty shale + w/sd strks - no show |
| Cliff House | 4433 | 4572 | Sand - w/shale - tight |
| Point Lookout | 5040 | 5214 | Sand - poss. show |
| Gallup | 6082 | 6314 | Sand and shale - oil and gas |
| Tocito | 6750 | 6874 | Sand and shale - tight + poss. show |
| Greenhorn | 7056 | 7110 | Sandy lime + oil and gas shows |
| Dakota 'A' | 7148 | 7221 | Sand - oil and gas |
| Dakota 'D' | 7268 | 7345 | Sand - oil and gas |
| Burro Canyon | 7374 | Still in at T. D. | Sand wet |

38. GEOLOGIC MARKERS

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

U. S. GOVERNMENT PRINTING OFFICE : 1975 O - 574-472

871-233

PERFORATION RECORD

| | |
|---|---|
| DAKOTA 'D': | 7274', 7300', 7306', 7308', 7310', 7314', 7318', 7321', 7323', 7325', 7331', 4 SPF, 44 holes. |
| DAKOTA 'A': | 7157', 7160', 7163', 7166', 3 SPF, 12 holes. |
| GREENHORN: | 7076', 7078', 7081', 7085', 7089', 7093', 7096', 3 SPF, 21 holes. |
| TOCITO: | 6865', 6867', 6870', 3 SPF, 9 holes. |
| GALLUP: | 5770', 5780', 5828', 5848', 5855', 5880', 5893', 5913', 5924', 5948', 5957', 5969', 5978', 5984', 6033', 6039', 6041', 6092', 6096', 6102', 6108', 6124', 6166', 6171', 6176', 6186', 6240', 6247', 6249', 6260', 6262', 6266', 6268', 6274', 6291', 6293', 6296', 6298', 6300', 6302', 6304', 6306', 6308', 2 SPF, 86 holes. |

ACID FRACTURE

| | |
|---|---|
| DAKOTA 'D': | 200 gal. 7½% Acetic Acid<br>67,500 lbs. 20/40 sand<br>2,500 bbls. water |
| DAKOTA 'A':<br>GREENHORN:<br>TOCITO: | 300 gal. 7½% Hcl<br>43,000 lbs. 20/40 sand<br>1,450 bbls. water |
| GALLUP: | 500 gal. 7½% Hcl<br>128,200 lbs. 20/40 sand<br>3,900 bbls. water |

CEMENTING:

| | |
|---|---|
| Spud: | 170 (200 CF) Class B neat, 3% calcium chloride, 1/4 lb/sk Flocele. |
| 1st stage: | 1200 sks (1716 CF) 50/50 pozmix, 2% gel, 6¼ lb/sk Gilsonite, 6 lb/sk salt. |
| 2nd stage: | 430 sks (1002 CF) 65/35 pozmix, 2% gel, 6¼ lb/sk Gilsonite. Tailed in with 50 sks (59 CF) Class B neat. |