APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

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

SUNDRY NOTICES AND REPORTS ON WELLS

| , ·                         | ·                                 | Form Approv<br>Budget Bure . |               | 2-R1424       |  |
|-----------------------------|-----------------------------------|------------------------------|---------------|---------------|--|
|                             | 5. LEASE                          | -1, 1, 1                     | -             | . =           |  |
|                             | Tribal Contra                     | ct #361                      | <u> </u>      |               |  |
|                             | 6. IF INDIAN, ALL                 |                              | RIBE NA       | ME            |  |
|                             | Jicarilla Apa                     | che                          | ·             |               |  |
|                             | 7. UNIT AGREEMI                   | ENT NAME                     |               | -             |  |
| ent                         |                                   | -                            |               |               |  |
|                             | 8. FARM OR LEAS                   | E NAME                       | _             | 5 1           |  |
|                             | Jicarilla Tri                     | bal Cont                     | ract_         | #361_         |  |
|                             | 9. WELL NO.                       | •                            | <b>.</b>      | - 1           |  |
|                             | 265 N+4-4797                      |                              |               | <u> </u>      |  |
|                             | 10. FIELD OR WILL                 |                              | ~ _ =         | - 6           |  |
|                             | South Lindrit                     | h, Gallu                     | ip Dak        | ota or        |  |
|                             | 11. SEC., T., R., M<br>AREA       | ., UK BLK. A                 | יוחס פחניי    | (VET UK       |  |
| 17                          | ,_,                               | T =                          | <u>-</u> − ₹, | •             |  |
|                             | Section 4, T2<br>12. COUNTY OR P. | ARISH 13.                    | STATE         | <del></del>   |  |
|                             | Rio Arriba                        | New                          | Mexi          | <u> </u>      |  |
|                             | 14. API NO.                       | ī.                           |               |               |  |
| E,                          |                                   | <u> </u>                     |               |               |  |
|                             | 15. ELEVATIONS                    | SHOW DF,                     | KDB, A        | ND WD)        |  |
|                             | 7199' GR                          | <u> </u>                     | -             |               |  |
|                             |                                   |                              | <u> - 6</u>   | <u> </u>      |  |
|                             | •                                 |                              | T 1, 1        | ·<br>-        |  |
|                             |                                   | ٤.                           | 1             | in a          |  |
|                             | (NOTE: Report resu                | Its of multiple              | completion    | on or zone    |  |
| -                           | change on                         | rom 9–330.)                  | Ē Ji          |               |  |
| ΔΥ                          | 23 1984 .                         | t y TP                       | E             | · · · · · · · |  |
|                             | AND MANAGEVIENT                   | p 1 4 5                      | 11 15         |               |  |
| F L                         | RESOURCE AREA                     | # * - W<br>** 출 분 .          |               |               |  |
|                             | te all pertinent detail           |                              | pertine       | nt dates.     |  |
| is (                        | directionally drilled, g          | ive subsurfa                 | ce locat      | ions and      |  |
| ine                         | nt to this work.)*                |                              |               | <u>.</u>      |  |
|                             | 3.4                               |                              | 3             |               |  |
|                             |                                   | - ō                          |               |               |  |
| #10 at 5:00 P.M. on 5/19/84 |                                   |                              |               |               |  |
| ' KB.                       |                                   |                              |               |               |  |
| neat, 3% calcium = 2        |                                   |                              |               |               |  |

(Do not use this form for proposals to drill or to deepen or plug back to a difference reservoir. Use Form 9–331–C for such proposals.) gas 1. oil Ň other well well 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 below.) Unit 'P' - 459' FSL & 648' FEL AT SURFACE: AT TOP PROD. INTERVAL: AT TOTAL DEPTH: 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTIC REPORT, OR OTHER DATA REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL RE PULL OR ALTER CASING MULTIPLE COMPLETE M CHANGE ZONES ABANDON\* BUREAU O (other) FARMINGT 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly including estimated date of starting any proposed work. If well measured and true vertical depths for all markers and zones pert Spudded with Arapahoe Drilling Company rig Ran 5 joints of 8 5/8" 24#, J55, set @ 223 Cemented with 170 sks (200 CF) of Class B chloride, 1/4#sk Flocele. Circulated 6 barrels to surface. Plug down at 10:00 P.M. JUN 0 6 1984 Subsurface Safety Yelve: Manu. and Type 18. I hereby certify that the foregoing is true and correct 1984 May 21, President SIGNED (This space for Federal or State office use)

\*See Instructions on Reverse Side

DATE

O NUL

FARMINGTON RESOURCE AKEA 5mm

TITLE

## CHACE OIL COMPANY, INC.



Albuquerque, New Mexico 87108

(505) 266-5562



### WELL HISTORY

NAME:

Chace Oil Company, Inc.

Jicarilla 361-4-JV

LOCATION:

Unit 'P' - 459' FSL & 648' FEL

Section 4, T23N,R4W

Rio Arriba County, New Mexico

ELEVATION:

7199' GR

ESTIMATED FORMATION TOPS:

2528' Ojo 2974' Pictured Cliffs 3325' Chacra 4495' Cliff House 5046' Point Lookout 5704' Gallup 6716' Tocito 7026' Greenhorn 7124' Dakota 'A' 7246' Dakota 'D' 73521 Burro Canyon

PROPOSED DEPTH:

7555'

3/1/84:

APD submitted.

3/28/84:

APD approved.

5/9/84:

Road and pad construction commenced.

### 5/19/84:

Spudded with Arapahoe Drilling Company rig #10 at 5:00 P. M. Ran 5 joints of 8 5/8" 24#, J55, set at 223' KB. Cemented with 170 sks (200 CF) of Class B neat, 3% calcium chloride, 1/4#/sk Flocele. Circulated 6 barrels to surface. Plug down at 10:00 P. M.

5, LEASE

Tribal Contract #361

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

| GEOLOGICAL SURVEY   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  |
|---|---|
|   | Jicarilla Apache  |
| SUNDRY NOTICES AND REPORTS ON WELLS   | 7. UNIT AGREEMENT NAME  |
| (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.)  |   |
| reservoir, Use Form 9–331–C for such proposals.)  | 8. FARM OR LEASE NAME   |
| 1. oil gas  | Jicarilla Tribal Contract #361  |
| well well other   | 9. WELL NO.   |
| 2. NAME OF OPERATOR   | BEALF 4-AH  |
| Chace Oil Company, Inc.   | 10. FIELD OR WILDCAT NAME   |
| 3. ADDRESS OF OPERATOR  | South Lindrith, Gallup Dakota   |
| 313 Washington, SE, Albuquerque, NM 87108   | 11. SEC., T., R., M., OR BLK. AND SURVEY OR   |
| 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17  | AREA  |
|   | Section 4, T23N,R4W   |
| below.) Unit 'P' - 459' FSL & 648' FEL<br>AT SURFACE:   | 12. COUNTY OR PARISH 13. STATE  |
| AT TOP PROD. INTERVAL:  | Rio Arriba New Nexico   |
| AT TOTAL DEPTH:   | 14. API NO.   |
| 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,   |   |
| REPORT, OR OTHER DATA   | 15. ELEVATIONS (SHOW DF, KDB, AND WD)   |
| ,,  | 7199' GR  |
| REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:  | 1 7133 GR   |
| TEST WATER SHUT-OFF   | 사람들이 가장 살아 되었다.   |
|   | EIVEDITE  |
| SHOOT OR ACIDIZE  | <b>₩</b>  |
| REPAIR WELL   | (NOTE: Report results of multiple completion or zone change on Form 9-330.)   |
| MILITIPLE COMPLETE  |   |
|   | AND MANAGEMENTS TO THE TOTAL TOTAL TO THE TOTAL TOTAL TO THE TOTAL |
| ABANDON*  |   |
| (other)   | 그 사람들은 사람들이 바로 함께 되었다.<br>  |
| TO TOO TOO TO THE TOTAL OF THE | and and and datable and size postinget dates  |
| 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly stat including estimated date of starting any proposed work. If well is d  | irectionally drilled, give subsurface locations and   |
| measured and true vertical depths for all markers and zones pertiner  | nt to this work.)*  |
|   |   |
|   |   |
| See Well History attached - Day #1 through  | Day #4.   |
| bee well instead accounted and all amough   | · 프램· # 17 홍 플렛링션 월 - 참의실진  |
| •   | 그 그 그 그 이 이 한 집 불레 집 그 그는 사용 중록에 다  |
|   | ୍ର 🗻 📉 କରିଥିଲିକ ପରି କ୍ରିମ୍ବର  |
| _ a M '   | <b>店                                      </b>  |
|   |   |
|   |   |
| OIL CON.  | A 유민지스를 통할 때하였다.  |
| 11/100 130  |   |
|   | DIA・  |
| Oll Coll.   |   |
| Subsurface Safety Vertve: Manu. and TypeDIST. 3   | ) ကာလိုင်ကုန် ဆိုင်လည်း<br>ကြောင်းကို ကြောင်းကြောင်းသည်။ Ft   |
| Subsurface Surety Give: mana: emailing in the sure of |   |
| 18. I hereby certify that the foregoing is true and correct   |   |
| SIGNED - W. Miller TILE President   | DATE May 23, 1984   |
|   |   |
| (This space for Federal or State of   | 29 / 2 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5  |
| APPROVED BY TITLE   | DATE  |
| CONDITIONS OF APPROVAL, IF ANY:   | 화폭성일본 그룹 기원일본다.   |
|   | ACCEPTED FOR RECORD E   |
|   |   |

\*See Instructions on Reverse Side

JUN 0 5 1984

FARMINGTON RESOURCE AREA

SMM

### 5/20/84:

Day #1. Present operation: nipple up. Depth today: 226'. 24 hour footage: 226'.

Bit #1: 124, J1; 226', 2 1/2 hours. No other information available.

10 hours Rig down and rig up

1 hour Drilling rat and mousehole 2 1/2 hours Drilling surface. Trip out.

1 3/4 hours Run casing

3/4 hours Cementing with Woodco 8 hours WOC. Nipple up.

### 5/21/84:

Day #2. Present operation: drilling. Depth today: 1950'. 24 hour footage: 1724'. Formation: sand and shale. Drill Collars - No: 20. Size: 6 1/8". Bore: 2 1/4. Weight: 55,000#. Rotary - RPM: 68. Weight on bit: 8,000#. Present drilling rate: 75'/hr. Pump - liner size: 5½. Pressure: 1,200#. Strokes per minute: 60. Mud - Vis: 37. Wt.: 8.9. W. L.: 7.2. No additives. Deviation record: 3/4° @ 724'; 3/4° @ 1214'; 3/4° @ 1704'. Bit #2: 7 7/8" Christensen R482; 1724', 18 3/4 hours.

4 hours Rig up. Test BOP.

1/2 hour Drilling cement and shoe.

3/4 hour Survey

18 3/4 hours Drilling 21 1/4 rotating hours

#### 5/22/84:

Day #3. Present operation: drilling. Depth today: 3400'. 24 hour footage: 1450'. Formation: sand and shale. Drill collars - No: 20. Size: 6 1/8". Bore: 2½. Weight: 55,000#. Rotary - RPM: 68. Weight on bit: 7,000#. Present drilling rate: 50'/hr. Pump - Liner size: 5½. Pressure: 1,200#. Strokes per minute: 60. Mud - Vis: 38. Wt.: 9.0. W. L.: 6.0. Mud additives: 24 starch, 2 preservatives, 3 soda ash, 2 1/2 thinner, 80 gel, 1 caustic. Deviation record: 1° @ 2194'; 3/4° @ 2719'; 3/4° @ 3241'. Bit #2: 7 7/8", R482; 3174', 41 3/4 hours.

1/4 hour RS. Check BOP.

3/4 hours Surveys 23 hours Drilling

### 5/23/84:

Day #4. Present operation: drilling. Depth today: 4150'. 24 hour footage: 750'. Formation: sand and shale. Drill Collars - No: 20. Size: 6 1/8". Bore: 2 1/4. Weight: 55,000#. Rotary - RPM: 68. Weight on bit: 10,000#. Present drilling rate: 35,000#. Pump - Liner size: 5½. Pressure: 1,200#. Strokes per minute: 60. Mud - Vis: 37. Wt.: 9.1. W. L.: 6.4. Mud additives: 57 gel, 7 thinner, 1 preservative, 6 soda ash, 1 caustic soda, 6 starch, 40 barrels of oil. Deviation record: 3/4° @ 3729'. Bit #2: 7 7/8", R482; 3924', 63 3/4 hours.

1/4 hour RS. Check BOP.

1/2 hour Survey
22 hours Drilling
1 1/4 hours Rig repair

Lost 75 barrels of mud at 4066'.