

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-23398

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 # 361
Jicarilla Tribal Contract

9. WELL NO.
~~361-4-1~~

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
P
Sec. 4, T23N, R4W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER
SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Chace Oil Company, Inc.

3. ADDRESS OF OPERATOR
313 Washington, S.E., Albuquerque, New Mexico 87108

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
Unit 'P' 459' FSL + 648' FEL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
16 1/2 miles W-SW of Lindrith, New Mexico

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
455' Lease Line
455' Unit Line

16. NO. OF ACRES IN LEASE
615

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
2820'

19. PROPOSED DEPTH
7555'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7199' GR

22. APPROX. DATE WORK WILL START*
5/1/84

23. PROPOSED CASING AND CEMENTING PROGRAM
This action is subject to administrative appeal pursuant to 30 CFR 290.

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|---------------------------------|
| 12 1/4" | 8 5/8" | 24# (J-55) | 225' | 225 SXS (266 CF) Class B cement |
| | | | | 1st stage: 750 SXS (1073 CF) |
| | | | | 50/50 pozmix |
| | | | | 2nd stage: 505 SXS (1177 CF) |
| | | | | 65/35 pozmix, 12% gel |
| | | | | 40 SXS (47 CF) Class B cement |

Drill 230' of 12 1/4" surface hole. Set 225' of 8 5/8" casing. Cement to surface with 225 SXS (266 CF) cement. Use an oil base mud (15% oil), and Schaeffer 5000# standard doublegate hydraulic BOP. Drill 7 7/8" hole to 7555' to test Dakota formation.

Wasatch formation on surface. Estimated tops: Ojo-2528'; Pictured Cliffs - 2974'; Chacra - 3325'; Cliff House - 4495'; Point Lookout - 5046'; Gallup - 5793'; Tocado - 6603'; Greenhorn - 7127'; Dakota 'A' - 7221'; Dakota 'D' - 7351'; Burro Canyon - 7455'.

D.V. Tool at 3034'. Float Collar at 7415'.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Ross Gentry TITLE Landman DATE 2-1-84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

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ON COM. DIV.

*See Instructions On Reverse Side

NMOCC

APPROVED
AS AMENDED
FARMINGTON RESOURCE AREA

All distances must be from the outer boundaries of the Section.

| | | | | |
|--|--------------|---|-----------------|----------------------|
| Operator CHACE OIL COMPANY, INC. | | Lease <i>Jicarilla Tribal Contract # 361</i> | | Well No. 361-4 |
| Unit Letter P | Section 4 | Township 23 NORTH | Range 4 WEST | County RIO ARRIBA |

Actual Footage Location of Well:
 459 feet from the SOUTH line and 648 feet from the EAST line

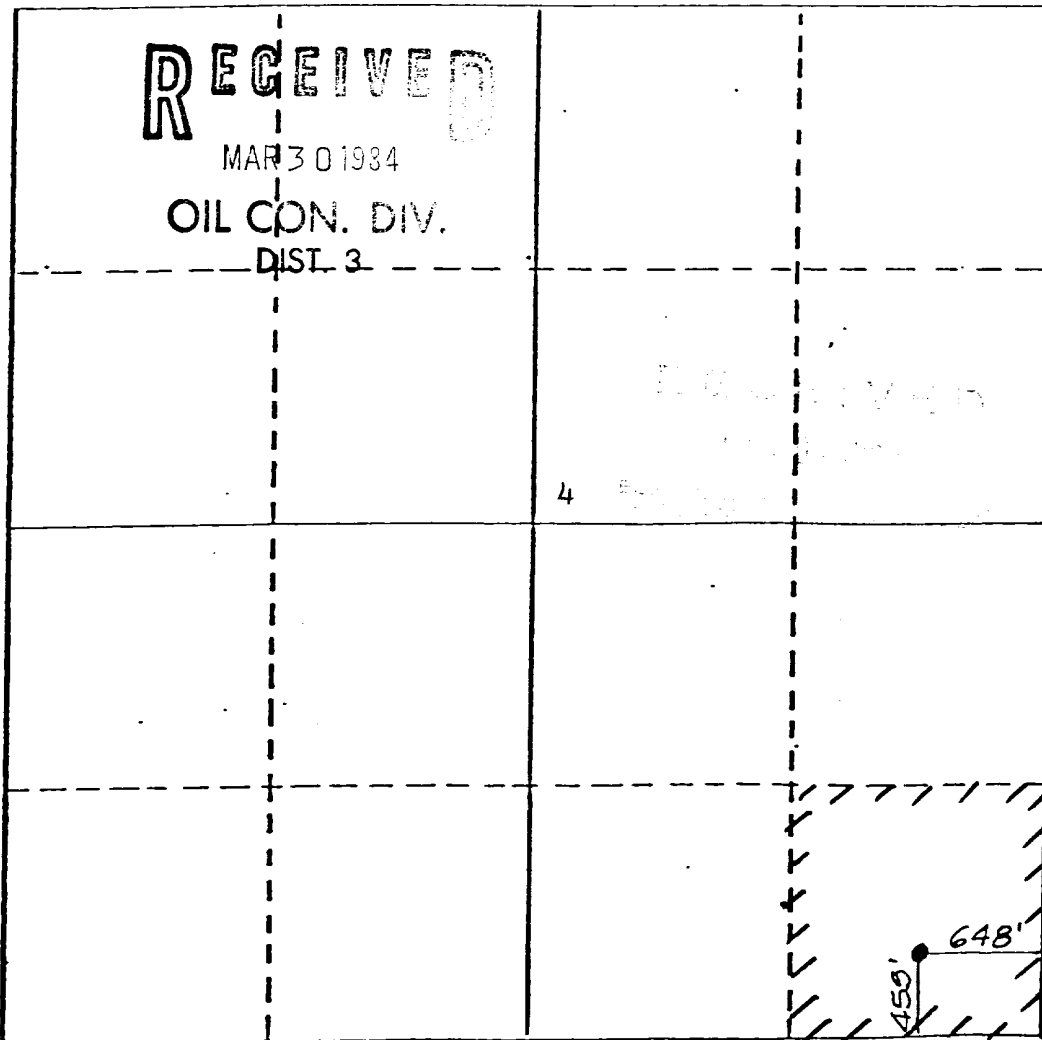
| | | | |
|----------------------------|---|--|--------------------------------|
| Ground Level Elev. 7199 | Producing Formation <i>Gallup - Dakota</i> | Pool <i>S-Linda: th, Gallup, Dakota</i> | Dedicated Acreage: 40 Acres |
|----------------------------|---|--|--------------------------------|

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division

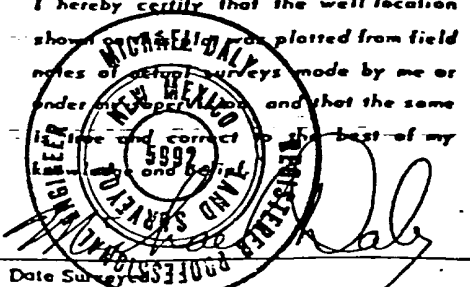


CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

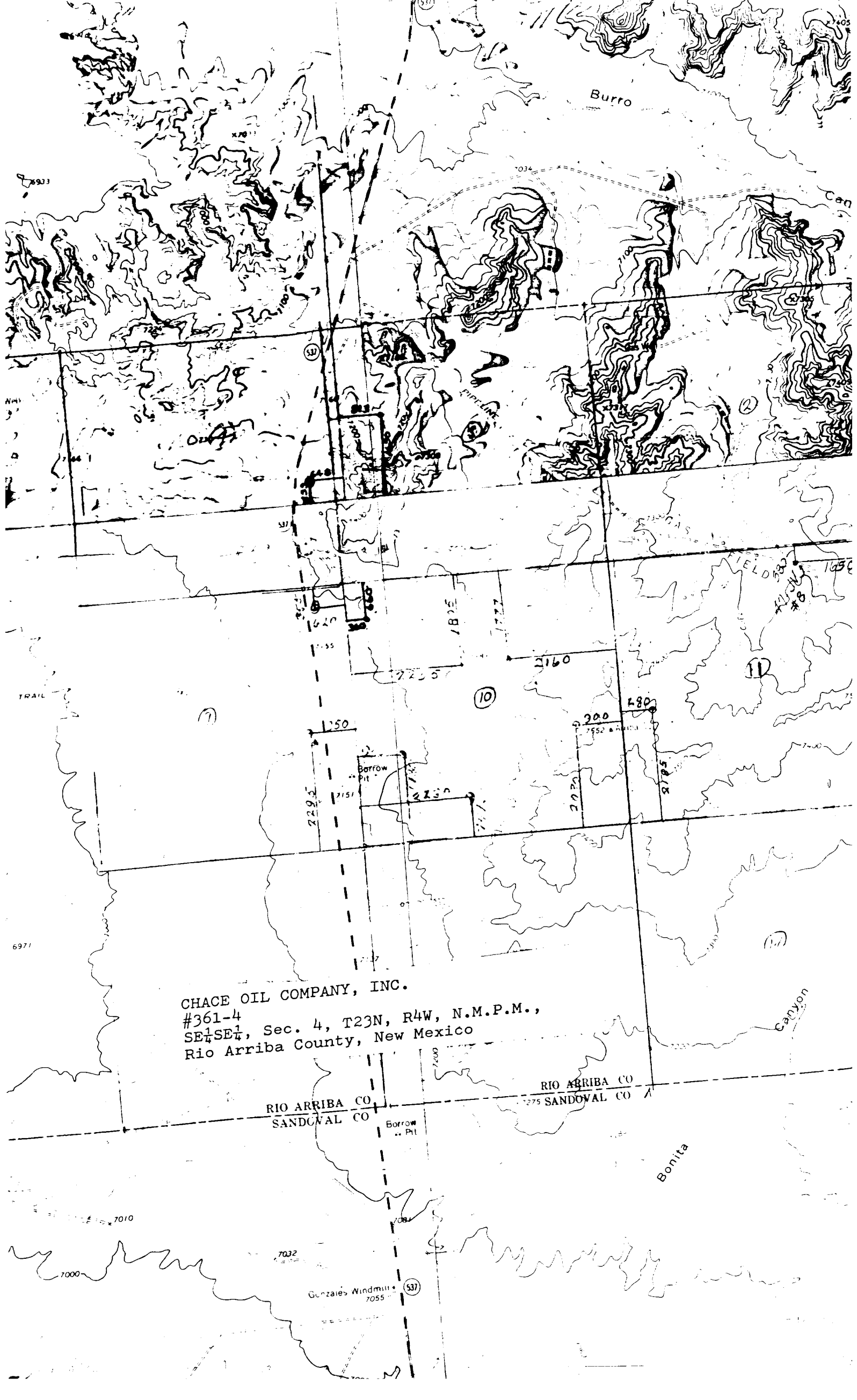
Name *Ross Eastely*
 Position *Landman*
 Company *Chace Oil Co., Inc*
 Date *3-1-84*

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Date Survey *January 10, 1984*
 Registered Professional Engineer and/or Land Surveyor
 Michael Daly

Certificate No. 5992



CHACE OIL COMPANY, INC.
#361-4
SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 4, T23N, R4W, N.M.P.M.,
Rio Arriba County, New Mexico

RIO ARRIBA CO
SANDOVAL CO

RIO ARRIBA CO
SANDOVAL CO

Gonzales Windmill
7055

Bonita

Burro

Canyon

TRAIL

(10)

(11)

PIPELINE

Borrow Pit

Borrow Pit

FIELD #8

TRAIL #8

7893

6971

7010

7032

7084

(537)

7034

7405

7400

7450

7400

7400

7400

7400

7400

7400

7400

7400

7400

7400

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY 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.)
AT SURFACE: Unit 'P' - 455' FSL & 648' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*
(other)

SUBSEQUENT REPORT OF:

5. LEASE
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-IV
10. FIELD OR WILDCAT NAME
South Lindrith, Gallup Dakota
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 4, T23N, R4W
12. COUNTY OR PARISH
Rio Arriba
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
7199' GR

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

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

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.)*

This is to advise that the production casing information for this well is as follows:

7 7/8" hole, 4 1/2" casing, 11.6# (N-80) weight per foot, 7555' setting depth.

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OIL CON. DIV.
DIST. 3

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED D. W. Thelma TITLE President DATE March 23, 1984

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

VMOCG

APPROVED
AS AMENDED
MAR 28 1984
A. Bingham
AREA MANAGER
FARMINGTON RESOURCE AREA