

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

30-029-24351

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

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 and in accordance with any State requirements)  
 At surface  
 429' FWL & 938' FNL, Unit 'D', Section 12, T23N, R4W  
 At proposed prod. zone

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5. LEASE DESIGNATION AND SERIAL NO.  
 Jicarilla Contract #47

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 Jicarilla Apache

7. UNIT AGREEMENT NAME

FARM OR LEASE NAME  
 Jicarilla Tribal Contract #47

9. WELL NO.  
 30

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

11. SEC., T., R., M., OR B.L.E. AND SURVEY OR AREA  
 D  
 Section 12, T23N, R4W

12. COUNTY OR PARISH 13. STATE  
 Rio Arriba New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 15 miles west-southwest of Lindrith, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 938' from lease line  
 429' from unit line

16. NO. OF ACRES IN LEASE  
 2560

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.  
 1300'

19. PROPOSED DEPTH  
 7675'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 7430' GR

22. APPROX. DATE WORK WILL START  
 6/15/86

This action is subject to technical and procedural review pursuant to 43 CFR 3165.2 and appeal pursuant to 43 CFR 3165.4.

PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	GENERAL REQUIREMENTS
12 1/4"	8 5/8"	24# (J-55)	225'	225 sks (405 cf) Class B cement
7 7/8"	4 1/2"	11.6# (N-80)	7675'	1st stage: 750 sks (1350 cf) 50/50 pozmix 2nd stage: 505 sks (909 cf) 40/60 pozmix (12% gel) 40 sks (72 cf) Class B cement

Drill 230' of 12 1/4" surface hole. Set 225' of 8 5/8" casing. Cement to surface with 225 sks (405 cf) cement. Using a water base mud (15% oil) and Schaeffer 5000# standard doublegate hydraulic BOP, drill 7 7/8" hole to 7675' to test the Dakota formation. Logging program: Run Dil, Caliper, GR, SP, FDC-CNL from T.D. to surface. Estimated tops:

Ojo Alamo	2693'	Point Lookout	5238'	Dakota 'A'	7344'
Picture Cliffs	3108'	Gallup	5938'	Dakota 'D'	7484'
Chacra	3458'	Tocito	6950'	Burro Canyon	7588'
Cliff House	4658'	Greenhorn	7253'		

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 Frank Wilber TITLE Vice President Production DATE 8/9/88

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

*ok*

NMOCC

*James E. Edwards*  
AREA MANAGER

\*See Instructions On Reverse Side

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

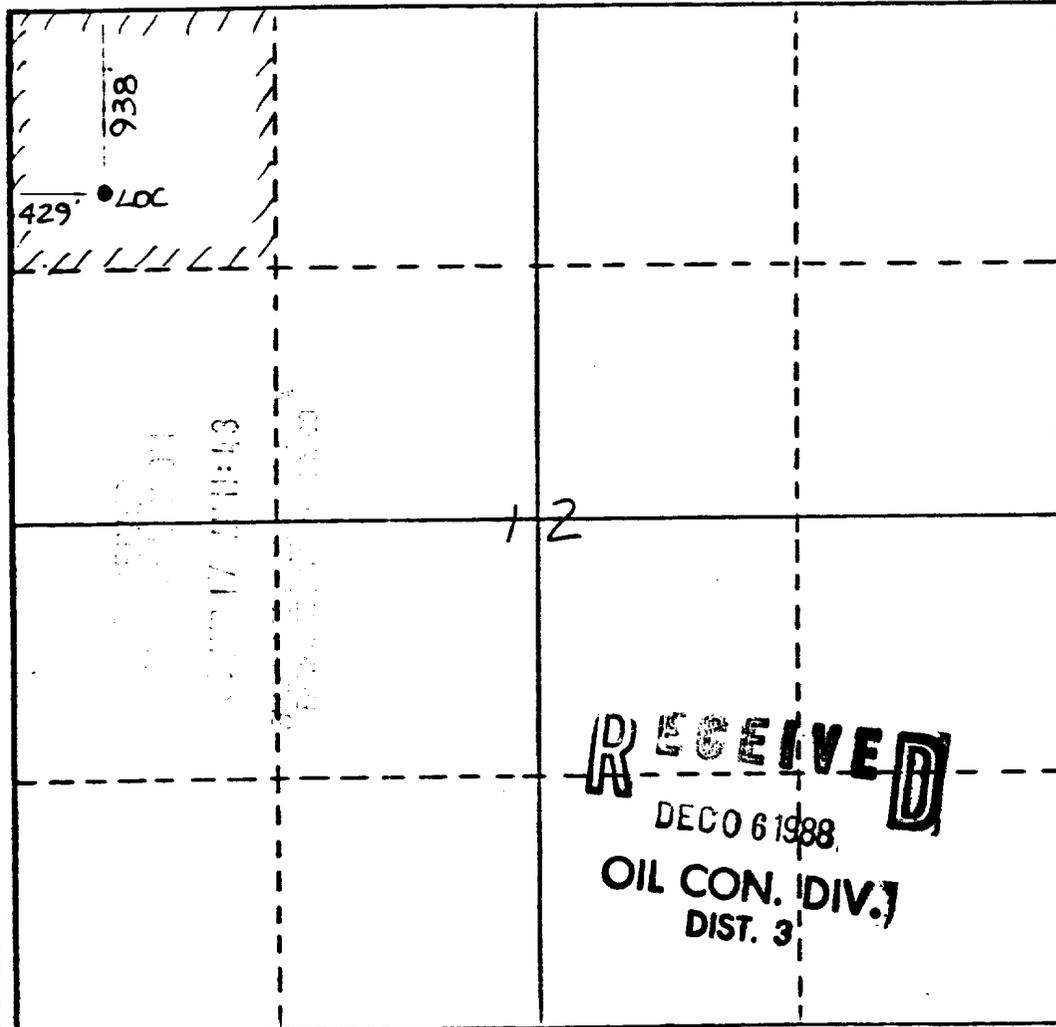
Operator <b>CHACE OIL COMPANY</b>		Lease <b>JICARILLA Tribal Cont-47</b>			Well No. <del>30</del> <b>30</b>
Unit Letter <b>D</b>	Section <b>12</b>	Township <b>23 NORTH</b>	Range <b>4 WEST</b>	County <b>RIO ARRIBA</b>	
Actual Footage Location of Well: <b>938'</b> feet from the <b>NORTH</b> line and <b>429'</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>7430'</b>	Producing Formation <b>Gallup - Dakota</b>	Pool <b>South Lindrieth Gallup - Dakota</b>	Dedicated Acreage: <b>40</b> Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.



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DEC 06 1988  
OIL CON. DIV.  
DIST. 3

**CERTIFICATION**

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

**Monte Anderson**

Name  
**Geologist**

Position  
**Chace Oil Comp.**

Company  
**1-30-86**

Date

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 is true and correct to the best of my knowledge and belief.

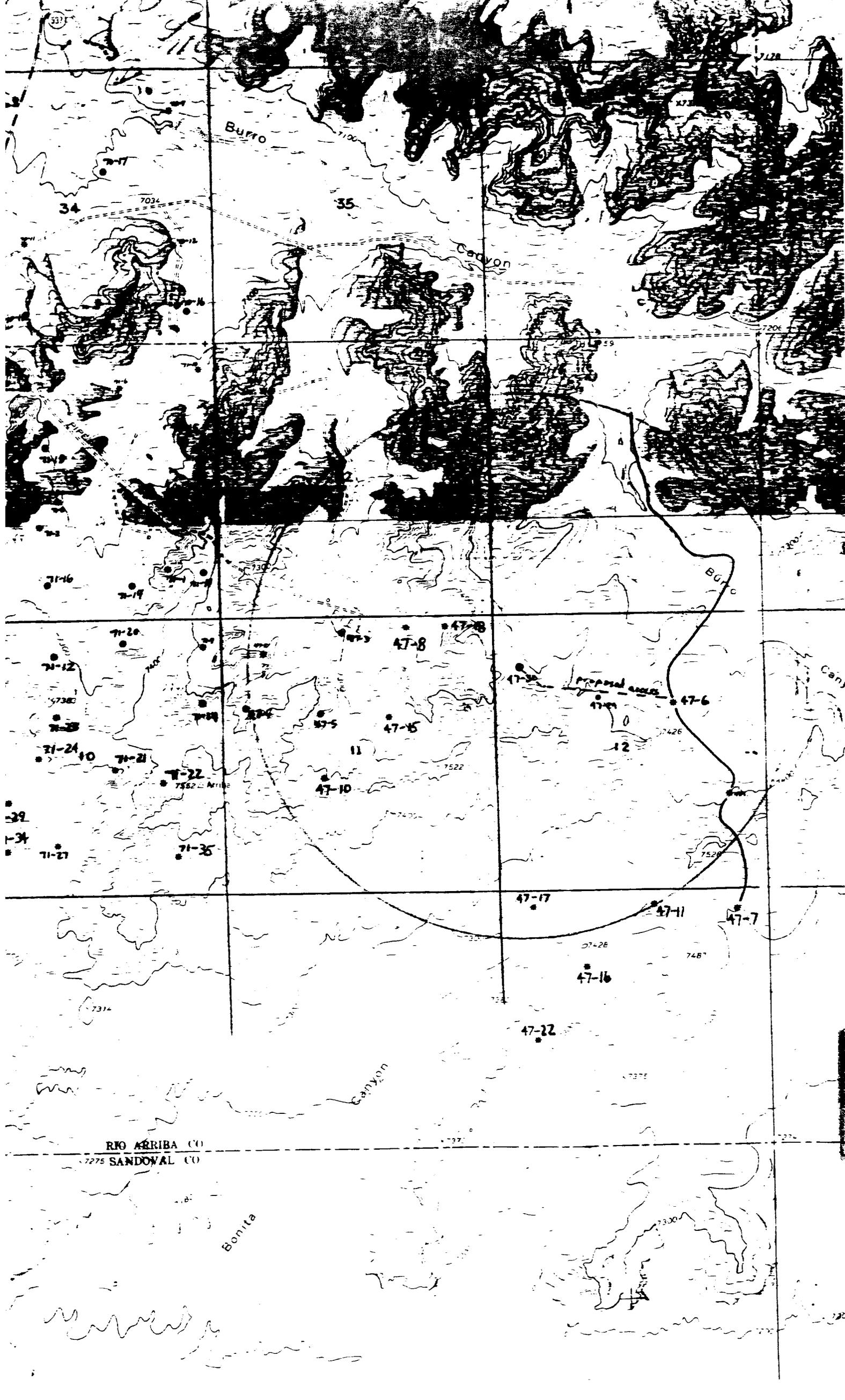


Date Surveyed  
**1-21-86**

Registered Professional Engineer and/or Land Surveyor

**Wells C. Edwards**

Certificate No.  
**6857**



RIO ARRIBA CO  
SANDOVAL CO

Bonita

Proposed canal

Burro

Canyon

Burro

Canyon