

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved
Budget Bureau No. 1-

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-043-20693

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 a. DRILL DEEPEN PLUG BACK
 b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Hearilla Energy Company

3. ADDRESS OF OPERATOR
 Box 207, Dulce, New Mexico 87528

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
 At surface: 790' FNL, 2110 FWL
 At proposed prod. zone: same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 15 miles NE of Cuba, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 800'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 2640'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7242 GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4	8 5/8	24	300'
7 7/8	4 1/2	10.5 & 11.6	7100'

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WASHINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.
 Reservation
 6. IF INDIAN, AGENT OR TRIB. NAME
 Jicarilla Apache
 7. UNIT AGREEMENT NAME
 None
 8. FARM OR LEASE NAME
 JECO 833
 9. WELL NO.
 10. FIELD AND POOL OR ADDRESS
 Chacon Dakota
 11. SECTION, R., M., OR BLM AND SURVEY OR AREA
 Sec. 13, 12N, 12W
 12. COUNTY OR PARISH 13. STATE
 Sandoval New Mex

16. NO. OF ACRES IN LEASE

 17. NO. OF ACRES ASSIGNED TO THIS WELL
 160
 19. PROPOSED DEPTH
 7100'
 20. ROTARY OR CABLE TOOL
 Rotary
 22. APPROX. DATE WORK WILL START*
 October 31, 1983

This action is subject to administrative appeal pursuant to 30 CFR 290.
 QUANTITY OF CEMENT
 275 sx
 1600 sx

We propose to drill this well to test the Dakota formation. Should it be productive, a string of 4 1/2" 10.5# and 11.6# casing will be set through the pay, and selectively perforated and stimulated. The hole will be mud drilled. A double gate BOP will be utilized from 300' to TD.
 There are no known drilling problems associated with this well.

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production 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. (Go blowout preventer program, if any)

APPROVED BY: *Shirley Utner*
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY: *William H. Nelson*
 CONDITIONS OF APPROVAL, IF ANY: _____ TITLE _____

OIL CON. DIV.
 DIST. 9

APPROVED AS AMENDED
 19-1-83

OCT 18 1983

M. Milnebach
 M. MILNEBACH
 AREA MANAGER Acting

All distances must be from the outer boundaries of the Section

Operator JICARILLA ENERGY COMPANY		Lease JECO 83-A		Well No. 2
Unit Letter C	Section 13	Township 22 NORTH	Range 3 WEST	County SANDOVAL
Actual Footage Location of Well: 790 feet from the NORTH line and 2110 feet from the WEST line				
Ground Level Elev. 7242	Producing Formation	Pool	Dedicated Acreage:	

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 well 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?

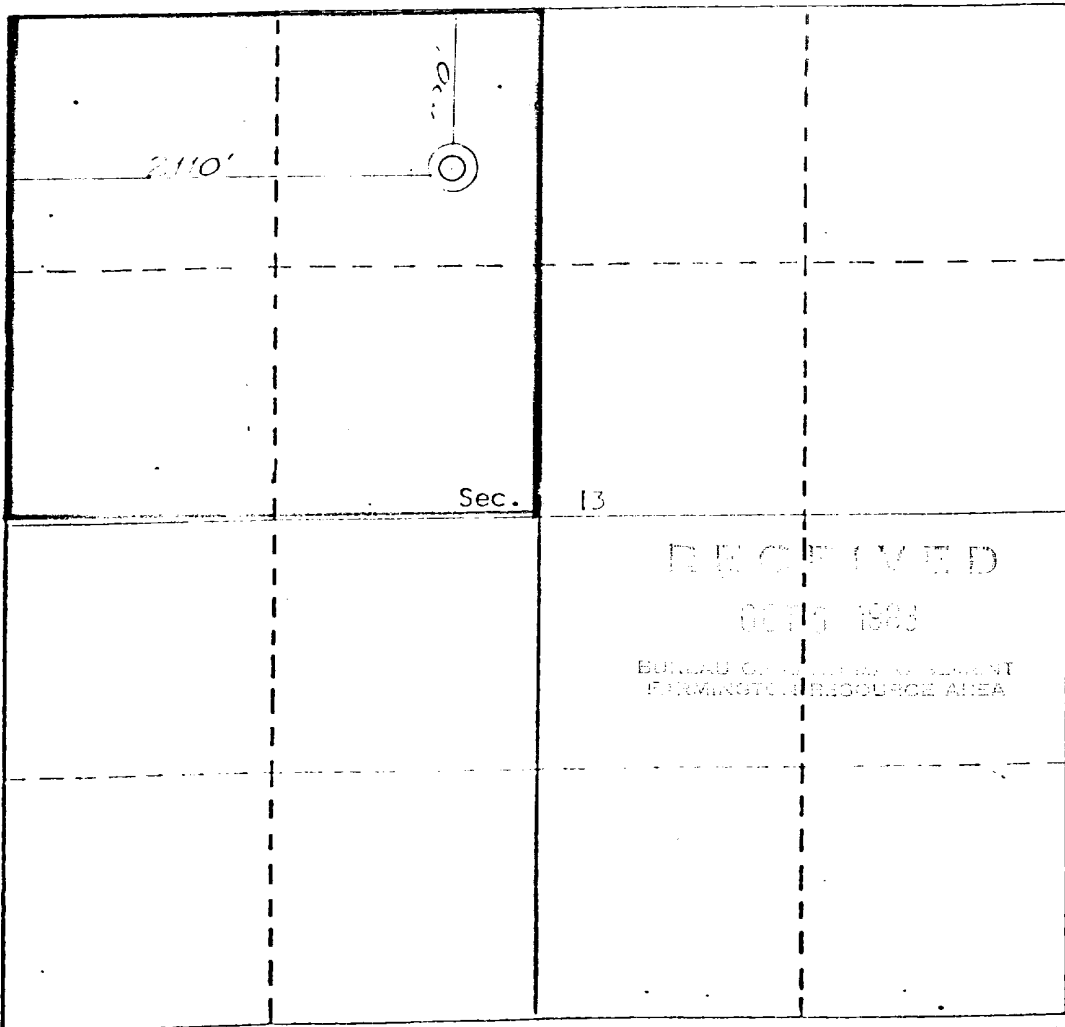
Yes No If answer is "yes," type of consolidation _____

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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OIL CON. DIV.
DIST. 3



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FARMINGTON RESOURCE AREA

CERTIFICATION

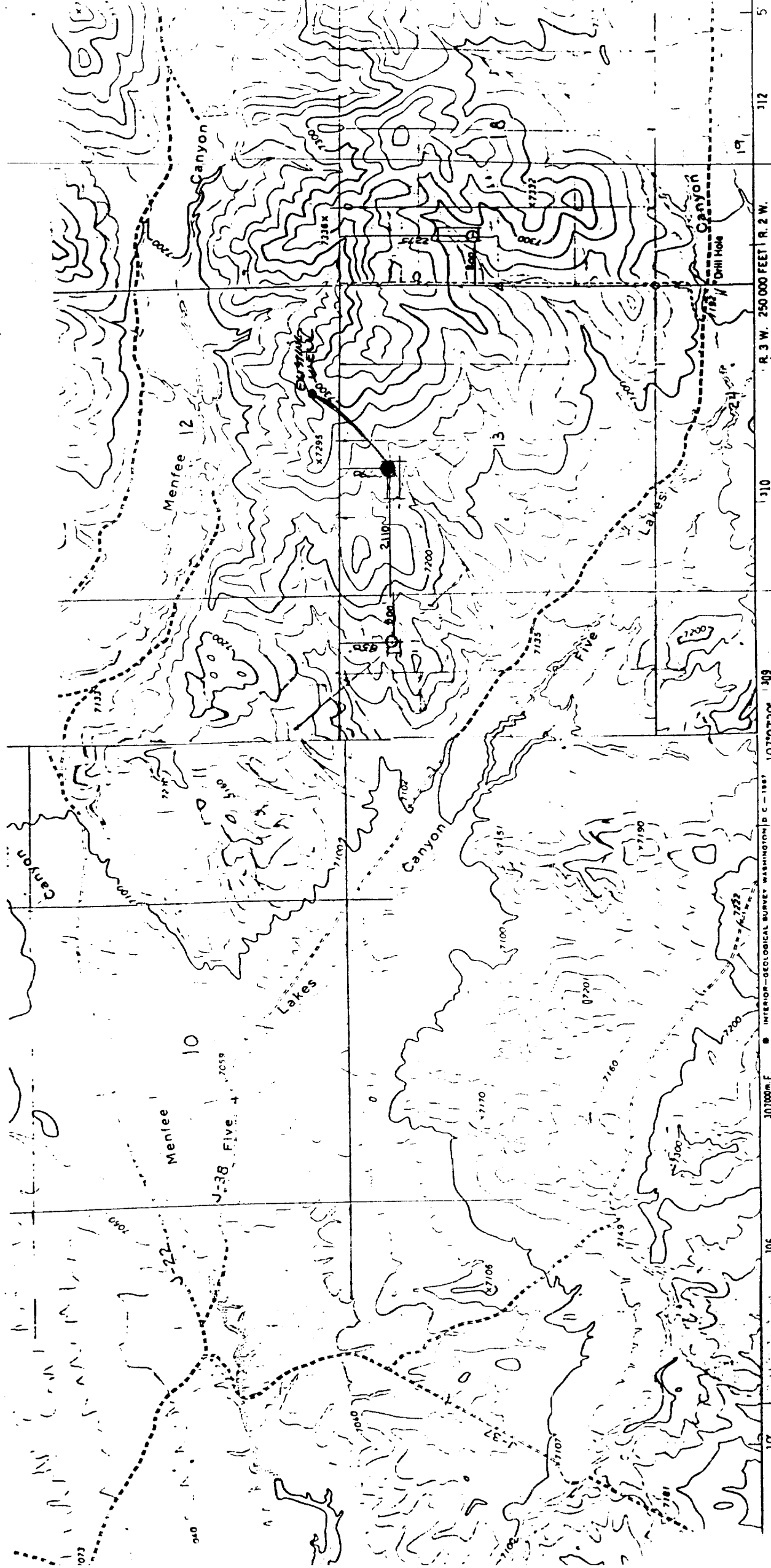
I hereby certify that the information obtained herein is true and complete to the best of my knowledge and belief.

Name
Harold W. Eledge
Position
PRESIDENT
Company
ELEDGE CONSULTING
Date
10-5-83

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

Date Registered
3 October 1983
Charles C. Stocking
Registered Professional Engineer and/or Professional Surveyor
Curry, C. Stocking

Certificate No. 5980



1 MILE
0 FEET

ROAD CLASSIFICATION

Heavy duty —————

Light duty - - - - -

Unimproved dirt- - - - -

State Route ○

NEW ROAD ——— NEW ROAD

Mapped, edited, and published by the Geologi
Control by USGS and USC&GS

Topography by photogrammetric methods from aerial
photographs taken 1963 Field checked 1963

Polyconic projection 1927 North American datum
10,000 foot grid based on New Mexico coordinate system, c
1000-meter Universal Transverse Mercator grid ticks
zone 13, shown in blue

Where omitted land lines have not been established

VICINITY MAP
showing
Well Location in NE 1/4 NW 1/4 of Sec. 3
T22 N, R W, N.M.P.M., Sandoval County
New Mexico.

Scale: 1"=2000'



Y