

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 30-039-21304 Jicarilla	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Tribal	
2. NAME OF OPERATOR Energy Reserves Group, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 3280, Casper, WY 82602		8. FARM OR LEASE NAME Jicarilla 35	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 990' FNL, 1650' FEL (NWNE) At proposed prod. zone		9. WELL NO. 3	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 37 mi. NW of Cuba, New Mexico		10. FIELD AND POOL, OR WILDCAT Blanco Pictured Cliffs South-Otero Chacra	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2150'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 2-T24N-R5W	
16. NO. OF ACRES IN LEASE 2515.80		12. COUNTY OR PARISH Rio Arriba	
17. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3250'		13. STATE N. Mexico	
18. PROPOSED DEPTH 3700'		19. NO. OF ACRES ASSIGNED TO THIS WELL 160 / 188.10	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* December 1976	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6743' GRD		22. APPROX. DATE WORK WILL START*	
23. PROPOSED CASING AND CEMENTING PROGRAM			

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	8-5/8	24#	200' +	150 sks
7-7/8	5-1/2	14#	3700' +	300 sks

Energy Reserves Group, Inc. proposes to drill above described well with Rotary tools from surface to TD. It is anticipated that the Pictured Cliffs and Chacra formations will be gas productive. No cores or DST's are planned. Copies of all logs run will be furnished upon completion of the well. The estimated tops are as follows:

Pictured Cliffs sd.	- 2765'
Chacra	- 3610'
T.D.	- 3700'

A series 600 or 900 BOP will be used while drilling this well. The Picture Cliffs gas is dedicated and the Chacra gas is not. It is planned to produce the Chacra through tubing and under a packer. It is planned to produce the Pictured Cliffs up the annulus.

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.

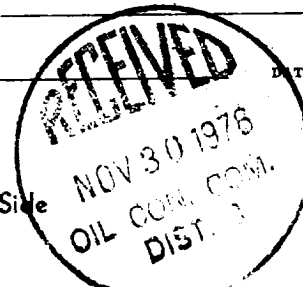
24. SIGNED Hean B. Barner TITLE Dist. Prod. Engr. - RMD DATE 11-23-76
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Alka

*See Instructions On Reverse Side

State



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

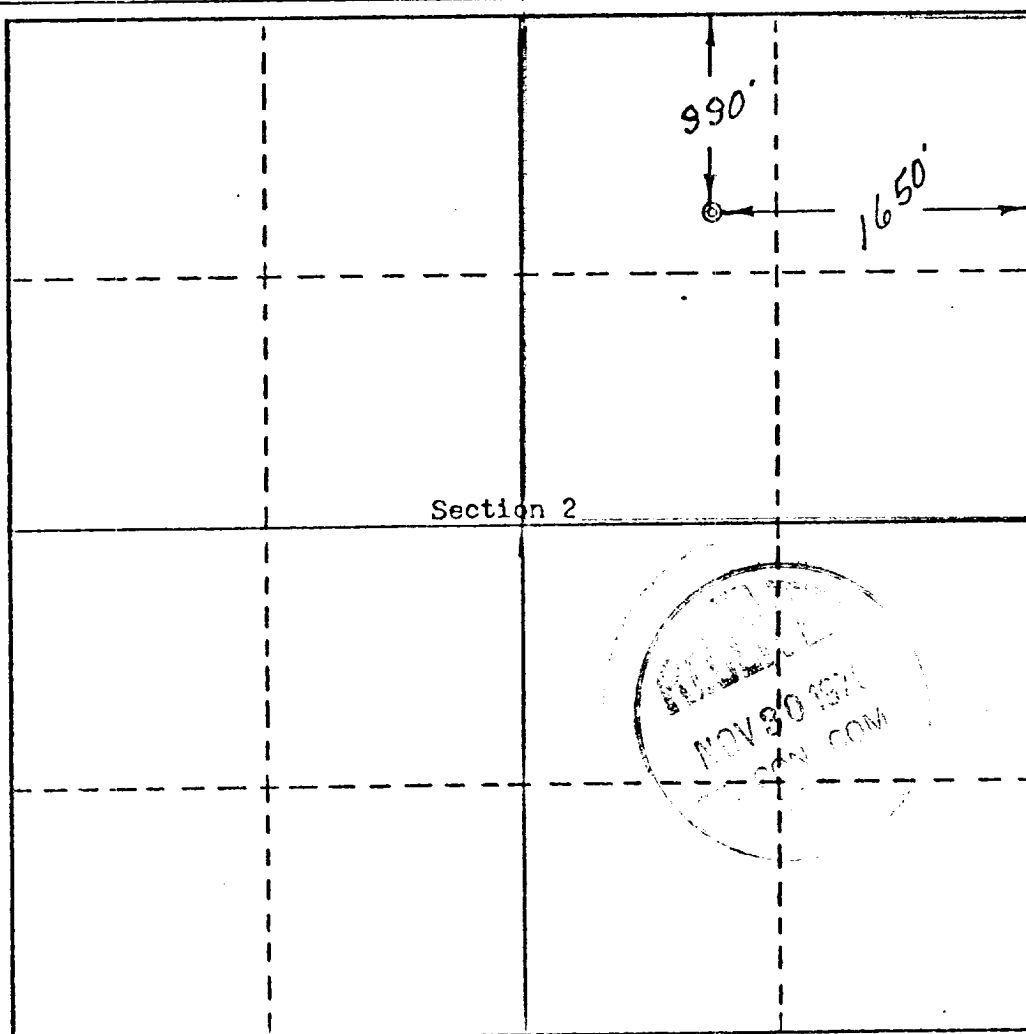
Operator Energy Reserves Group, Inc.		Lease Jicarilla #35		Well No. 3	
Unit Letter B	Section 2	Township 24 North	Range 5 West	County Rio Arriba	
Actual Footage Location of Well: 990 feet from the North line and 1650 feet from the East line					
Ground Level Elev. 6743	Producing Formation Blanco Pictured Cliffs			Pool South-Otero Chacra	
				Dedicated Acreage: 160 188.16 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 Commission.



CERTIFICATION

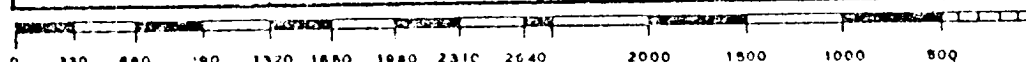
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Dean Barnes

Name
Dean Barnes
Position
RDM Production Engineer
Company
ENERGY RESERVES GROUP, INC.
Date
November 4, 1976

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
October 8, 1976
Registered Professional Engineer and Land Surveyor
[Signature]
Certificate No.
3084



WELL LOCATION AND ACREAGE DEDICATION PLAT

Effective 12-65

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

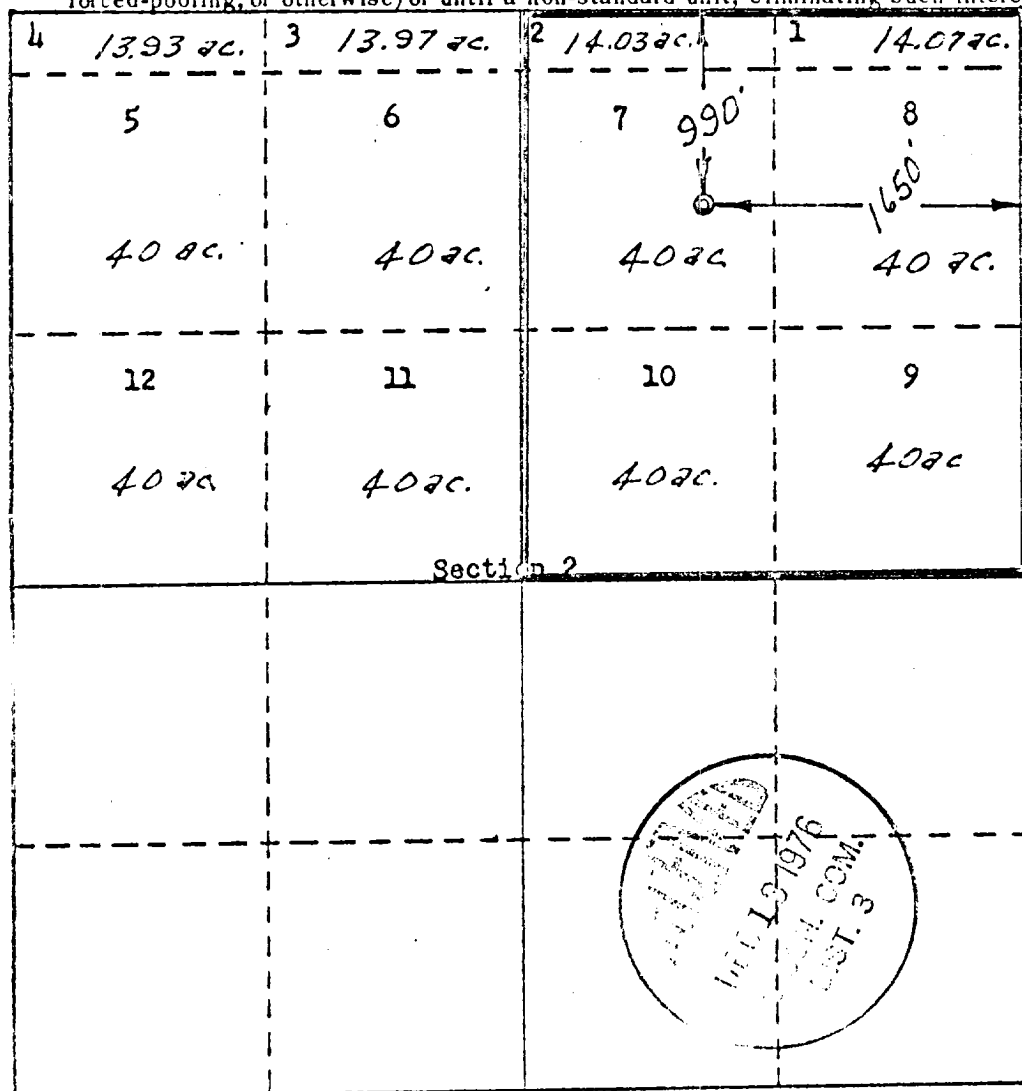
Operator Energy Reserves Group, Inc.		Lease Jicarilla 35		Well No. 3
Unit Letter: Lot 7-B	Section 2	Township 24 North	Range 5 West	County Rio Arriba
Actual Footage Location of Well: 990 feet from the North line and 1650 feet from the East line				
Ground Level Elev. 6743	Producing Formation Blanco Pictured Cliffs		Pool South - Otero Chacra	Dedicated Acreage: 188.10 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
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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 Commis-



CERTIFICATION

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

Name *Dean B. Barnes*

Position
Dist. Prod. Engr. - RMD

Company
Energy Reserves Group, Inc.

Date
December 8, 1976

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
October 8, 1976

Registered Professional Engineer
and Land Surveyor

Certificate
SOUTHERN NEW MEXICO

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0