

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

50-639-21702

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
 Odessa Natural Corporation Att: Mr. John Strojek
 3. ADDRESS OF OPERATOR
 P. O. Box 3908, Odessa, Texas 79760
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1700' FNL, 1600' FEL
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
 Jicarilla Joint Venture
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Jicarilla Apache
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 Jicarilla Joint Venture "PC"
 9. WELL NO.
 105
 10. FIELD AND POOL OR WILDCAT
 Ballard Pictured Cliffs
 11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 Sec. 4-T23N-R3W N. M. P. M.
 12. COUNTY OR PARISH
 Rio Arriba
 13. STATE
 N. M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1700'
 16. NO. OF ACRES IN LEASE --
 17. NO. OF ACRES ASSIGNED TO THIS WELL 160
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3180'
 19. PROPOSED DEPTH 3180'
 20. ROTARY OR CABLE TOOLS Rotary
 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7157' GR
 22. APPROX. DATE WORK WILL START* 5-25-78

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"	24.0	120	100 sacks
7-7/8"	4-1/2"	10.50	3180	150 sacks

It is proposed to drill the following well using drilling mud as a circulation medium. All possible producing intervals in the Pictured Cliff Formation will be perforated for completion.

Estimated Formation Tops

Ojo Alamo	2668'	Pictured Cliffs	3030'
Kirtland	2715'	Lewis	3145'

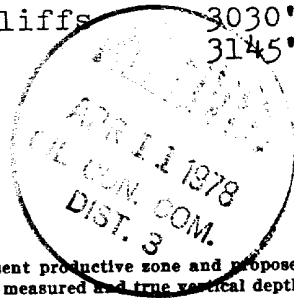
The NE/4 of Section 4 is dedicated to this well.

The gas produced from this well is committed.

For: Odessa Natural Corporation

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. Ewell N. Walsh President, Walsh Engr. & Production Corp. DATE April 4, 1978
 Ewell N. Walsh, P. E.
 (This space for Federal or State office use)



PERMIT NO. _____ APPROVAL DATE _____

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

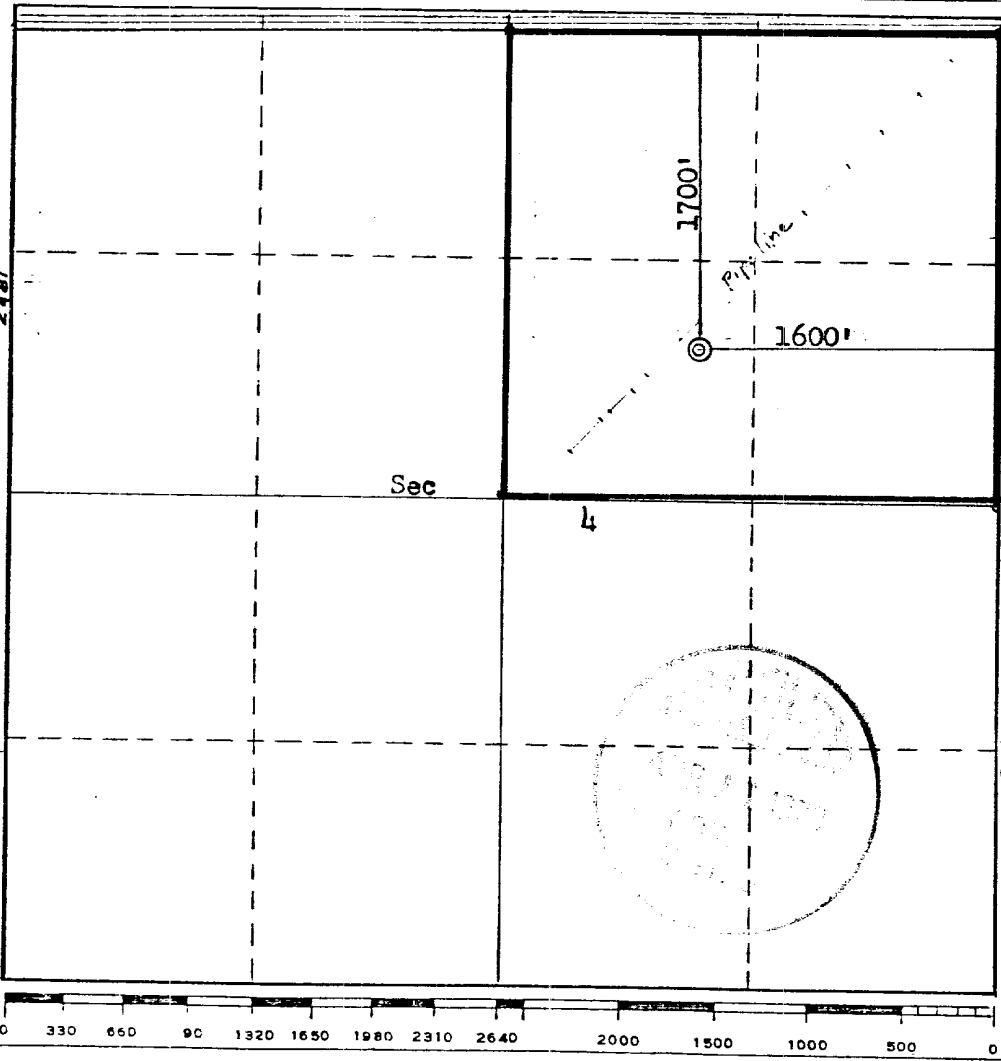
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NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

Operator Odessa Natural Corporation			Lease Jicarilla Joint Ventures PC		Well No. 105
Unit Letter G	Section 4	Township 23N	Range 3W	County Rio Arriba	
Actual Footage Location of Well: 1700 feet from the North line and 1600 feet from the East line					
Ground Level Elev. 7157	Producing Formation Pictured Cliffs		Pool Ballard Pictured Cliffs	Dedicated Acreage: 151.36 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>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).</p> <p>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?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation _____</p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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.</p>					



CERTIFICATION

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

For: **Odessa Natural Corp.**

Name: *Ewell N. Walsh*
Ewell N. Walsh, P. E.

Position: **President**

Company: **Walsh Engineering and Production Corp.**

Date: **April 5, 1978**

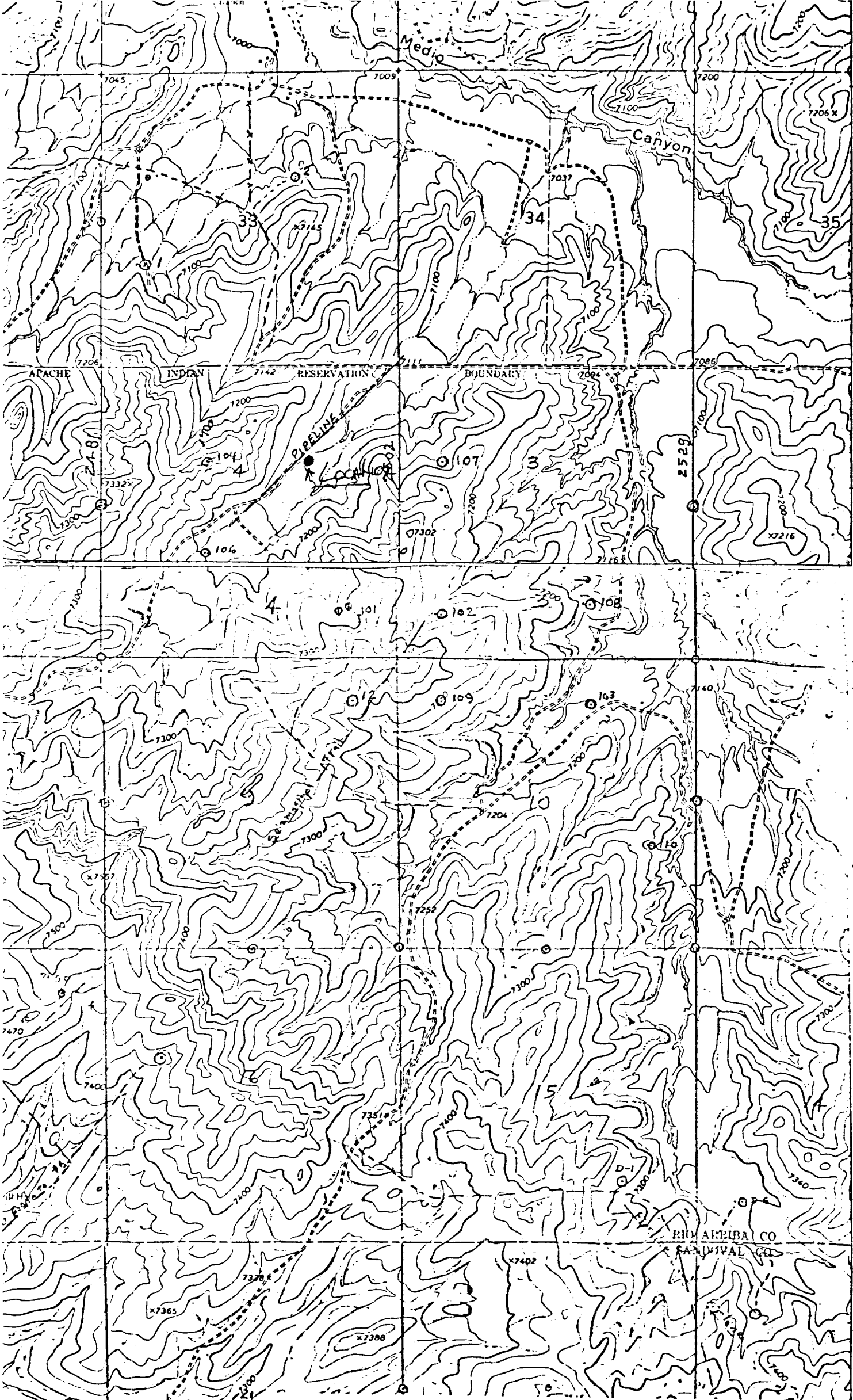
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **March 29 1978**

Registered Professional Engineer and/or Surveyor
Fred B. Kerr, Jr.
Fred B. Kerr, Jr.

Certificate No. **3950**

STATE OF NEW MEXICO
FRED B. KERR, JR.



4016
 4015
 T. 24 N.
 T. 23 N.
 4014000m
 36°15'
 401
 400

Vicinity Map for
 ODESSA NATURAL CORP. #105 Jicarilla Joint Ventures PC
 1700' FNL 1600' FEL Sec 4-T23N-R3W
 Rio Arriba County, New Mexico