

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

50 037-2 21707

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: 1695' FNL, 1850' FWL  
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Same

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.  
 104

10. FIELD AND POOL OR WILDCAT  
 Ballard Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 4-T23N-R3W  
 N. M. P. M.

12. COUNTY OR PARISH | 13. STATE  
 Rio Arriba | N. M.

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1695'

16. NO. OF ACRES IN LEASE - - -

17. NO. OF ACRES ASSIGNED TO THIS WELL 150.72

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED DEPTH 3300'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7279' GR

22. APPROX. DATE WORK WILL START\* 5-20-78

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	3300	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	2788'	Pictured Cliffs	3150'
Kirtland	2835'	Lewis	3265'

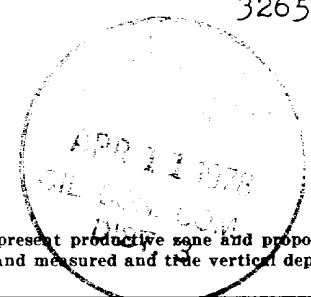
The NW/4 of Section 4 is dedicated to this well.

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.  President, Walsh Engr. & Production Corp. DATE April 5, 1978  
 SIGNED 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:

*Chief*

\*See Instructions On Reverse Side

SV

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.

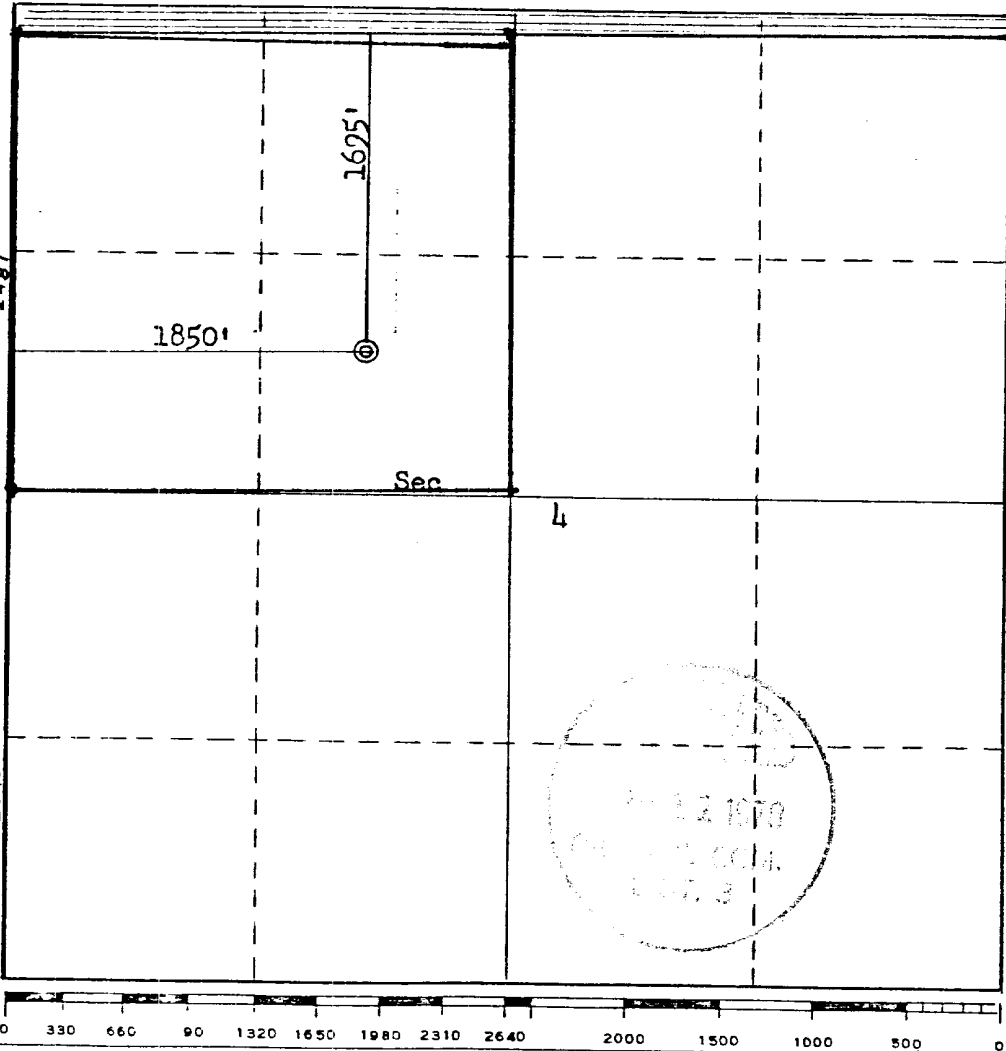
Operator <b>Odessa Natural Corporation</b>			Lease <b>Jicarilla Joint Ventures PC</b>			Well No. <b>104</b>
Unit Letter <b>F</b>	Section <b>4</b>	Township <b>23N</b>	Range <b>3W</b>	County <b>Rio Arriba</b>		
Actual Footage Location of Well: <b>1695</b> feet from the <b>North</b> line and <b>1850</b> feet from the <b>West</b> line						
Ground Level Elev. <b>7279</b>	Producing Formation <b>Pictured Cliffs</b>		Pool <b>Ballard Pictured Cliffs</b>	Dedicated Acreage: <b>150.72</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 Commission.



**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  
For: **Odessa Natural Corporation**

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

Position: **President**

Company: **Walsh Engineering and Production Company**

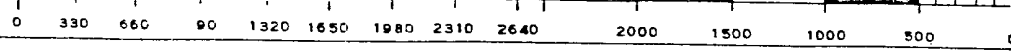
Date: **April 5, 1978**

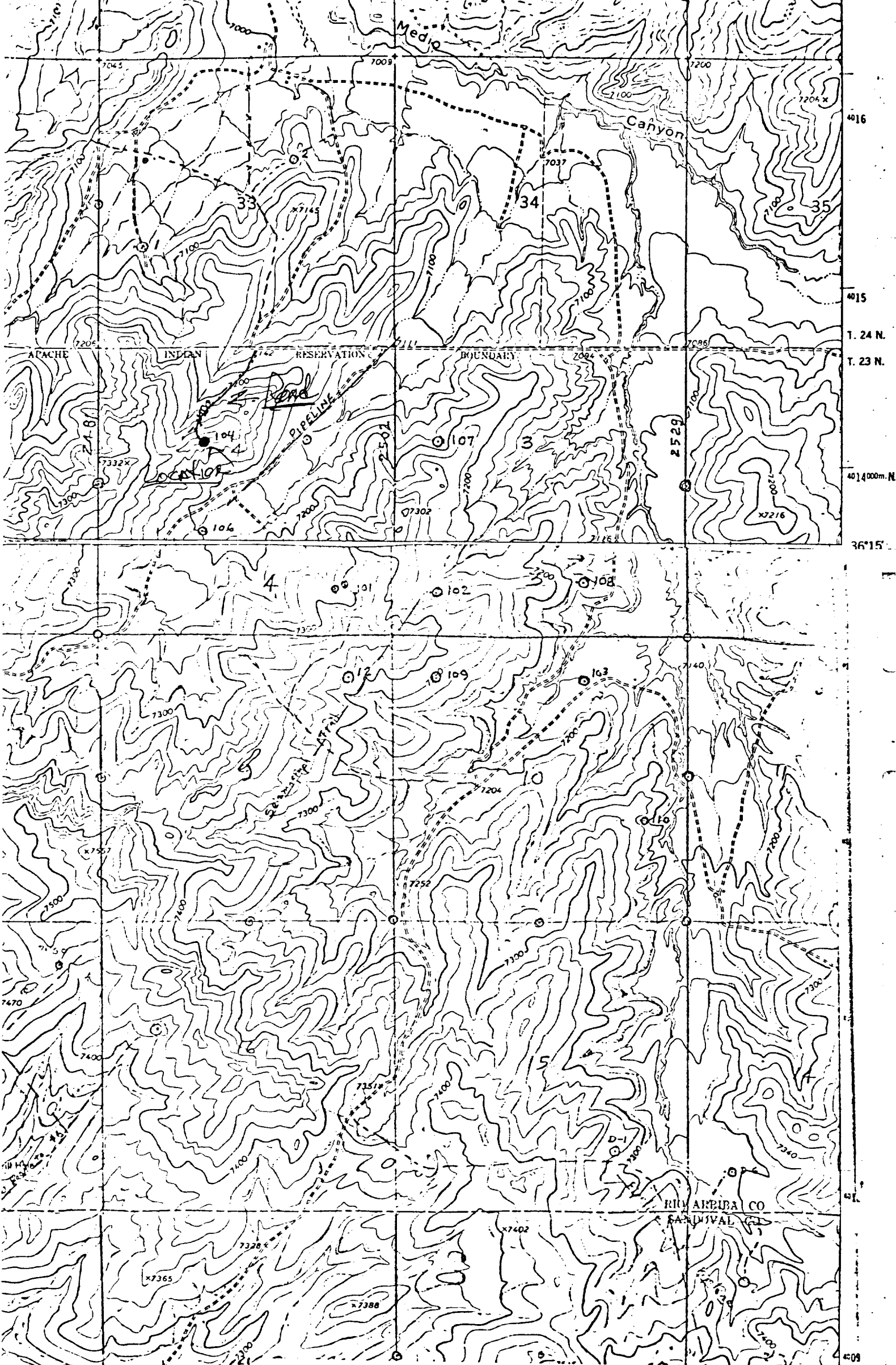
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **March 22, 1978**

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

Certificate No. **3950**  
**FRED B. KERR, JR.**





Vicinity Map for  
 ODESSA NATURAL CORP. #101 Jicarilla Joint Ventures PC  
 1695'FNL 1850'FWL Sec 4-T23N-R3W  
 Rio Arriba County, New Mexico

x7530