

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY30-039-21418  
5. LEASE DESIGNATION AND SERIAL NO.

NM-28715

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Arco Little Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated Dakota

11. SEC., T., R., M., OR BLE.  
AND SURVEY OR AREA

Sec. 32-T24N-R3W

N.M.P.M.

12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

## 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

## 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

D 970' FNL, 790' FWL

At proposed prod. zone

same

## 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)

790'

## 16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320 Acres

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.No other  
well

## 19. PROPOSED DEPTH

7660'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

7206' GR, 7219' DF, 7220' KB

## 22. APPROX. DATE WORK WILL START\*

6-15-77

## 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	250'	250 sacks
7-7/8"	4 1/2"	10.50 & 11.60	7660'	To be determined

It is proposed to drill this well with rotary tools, using oil base mud as circulation medium, through the Dakota Formation. Possible productive zones in the Dakota Formation will be completed. Production casing will be cemented in such a manner as to protect the Pictured Cliffs formation.

Estimated Formation Tops

Pictured Cliffs	3120'	Greenhorn	7210'
Cliff House	4690'	Graneros	7270'
Gallup	6220'	Dakota	7290'

The W/2 Section 32 is dedicated to this well.  
Natural Gas produced from well will be sold to El Paso Natural Gas Co.

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. For: Odessa Natural Corporation President, Walsh  
SIGNED Ewell N. Walsh, P.E. TITLE Engr. & Prod. Corp DATE June 3, 1977  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

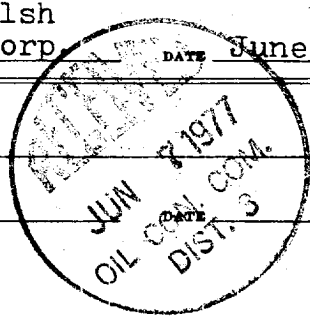
APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

OK



**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-4-65

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

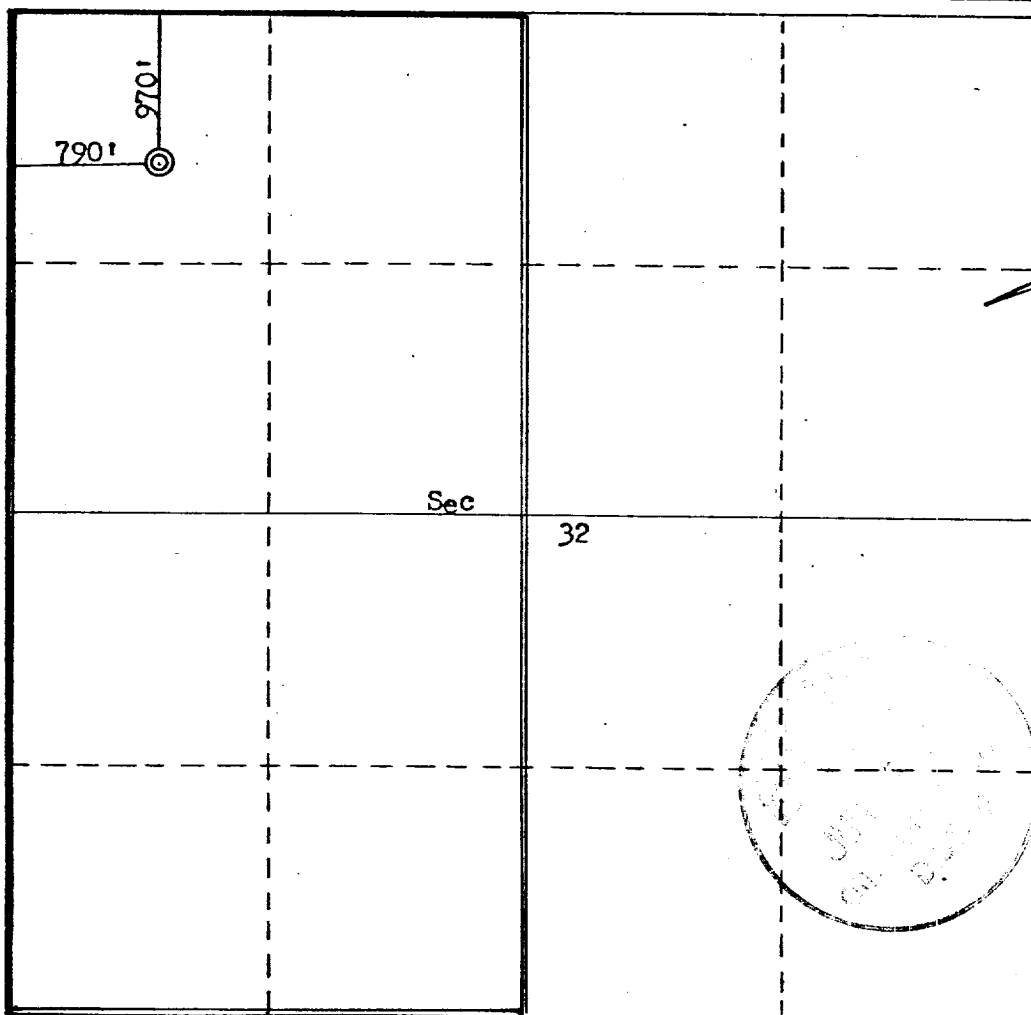
Operator <b>Odessa Natural Corporation</b>			Lease <b>ARCO-Little-Federal</b>		Well No. <b>1</b>
Unit Letter <b>D</b>	Section <b>32</b>	Township <b>24N</b>	Range <b>3W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>970</b> feet from the <b>North</b> line and <b>790</b> feet from the <b>West</b> line					
Ground Level Elev. <b>7206</b>	Producing Formation <b>Dakota</b>	Pool <b>Undesignated Dakota</b> ✓		Dedicated Acreage: <b>320</b> Acres ✓	

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



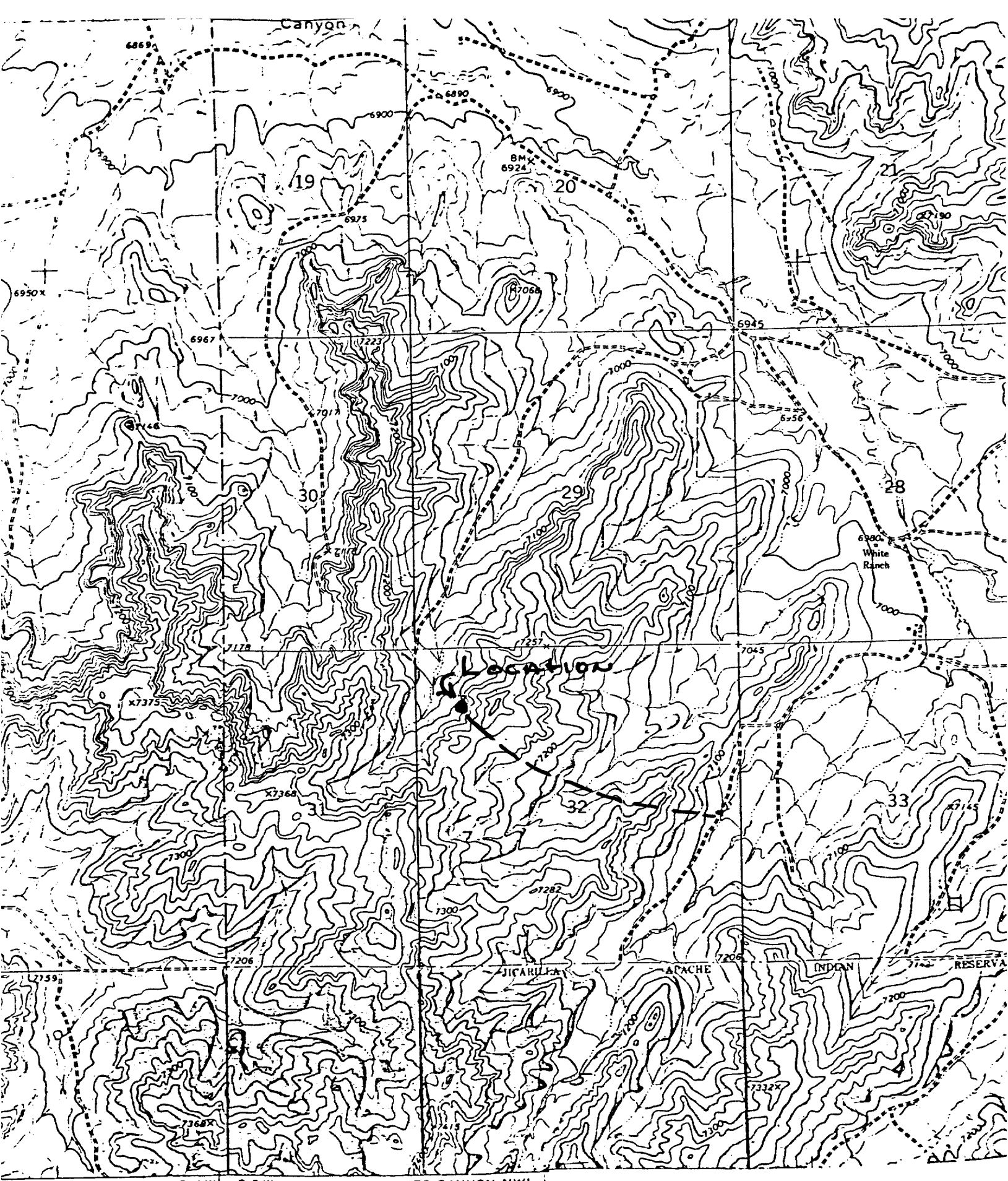
**CERTIFICATION**

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

Name *Ewell N. Walsh*  
 Position **Ewell N. Walsh, P.E.**  
**President, Walsh Engr.**  
 Company  
**& Production Corp.**  
 Date  
**June 3, 1977**

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 9, 1977**  
 Registered Professional Engineer and/or Land Surveyor  
*Fred B. Kerr*  
**Fred B. Kerr, Jr.**  
 Certificate No.  
**3950**



12°30'

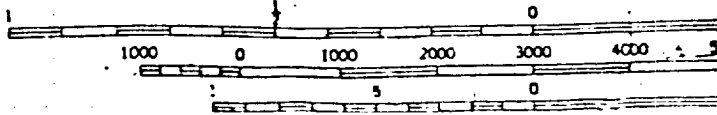
102° R. 4 W.

R. 3 W.

(FIVE LAKES CANYON NW)

4556 11 NW

SCALE 1:24000



Vicinity Map for  
ODESSA NATURAL CORPORATION #1 ARCO-Little-F  
970' FNL 790FWL Sec 32-T24N-R3W  
Rio Arriba County, New Mexico

1 KILOMETER