

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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  
PO Box 3908, Odessa, Texas 79760

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
D 940' FNL, 790' FWL  
At proposed prod. zone  
same

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

10. 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

17. NO. OF ACRES ASSIGNED TO THIS WELL 160/154.80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Dakota Well 700'

19. PROPOSED DEPTH 1825'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5899' GR

22. APPROX. DATE WORK WILL START\* 3-29-77

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	7"	23.0	100'	50 sxs.
6 1/4"	4 1/2"	10.50	1825'	To be determined.


It is proposed to drill this well through the Pictured Cliffs formation using mud as a circulation medium. The well will be produced in the probable producing intervals of the Pictured Cliffs.

The NW/4 of Section 12-T30N-R14W is dedicated to this well.

Gas produced from this well to be sold to El Paso Natural Gas Company.

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, P.E. President, Walsh Engr. & Production Corporation  
TITLE DATE March 15, 1977  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

*Ok*

\*See Instructions On Reverse Side

**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.

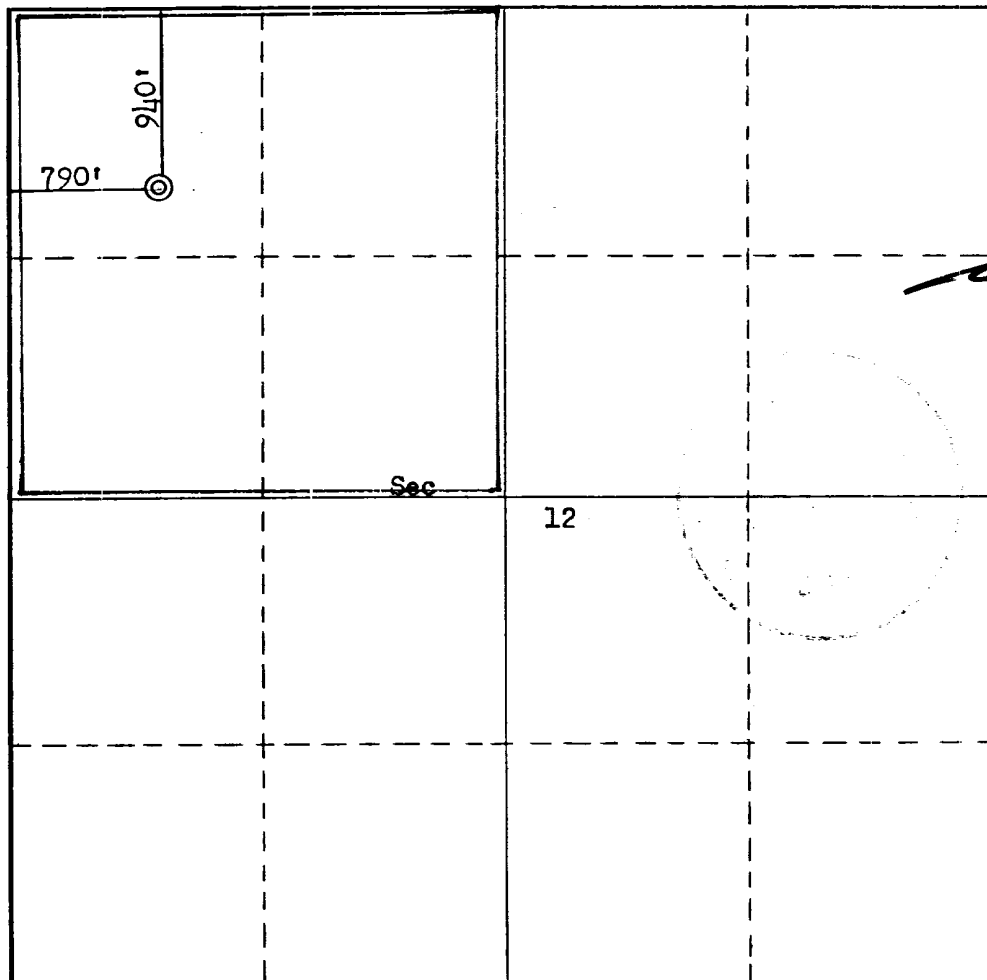
Operator <b>Odessa Natural Corporation</b>			Lease <b>Little-Federal</b>		Well No. <b>5</b>
Unit Letter <b>D</b>	Section <b>12</b>	Township <b>30N</b>	Range <b>14W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>940</b> feet from the <b>North</b> line and <b>790</b> feet from the <b>West</b> line					
Ground Level Elev. <b>5899</b>	Producing Formation <b>Pictured Cliffs</b>		Pool <b>Undesignated Pictured Cliffs</b>		Dedicated Acreage: <b>160 154.80</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 Corp.**

Name: *[Signature]*  
Position **Ewell N. Walsh, P.E.**  
**President, Walsh Engr.**  
Company  
**& Production Corp.**

Date  
**March 15, 1977**

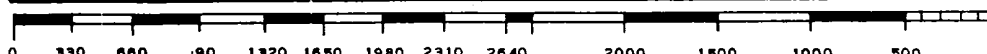
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

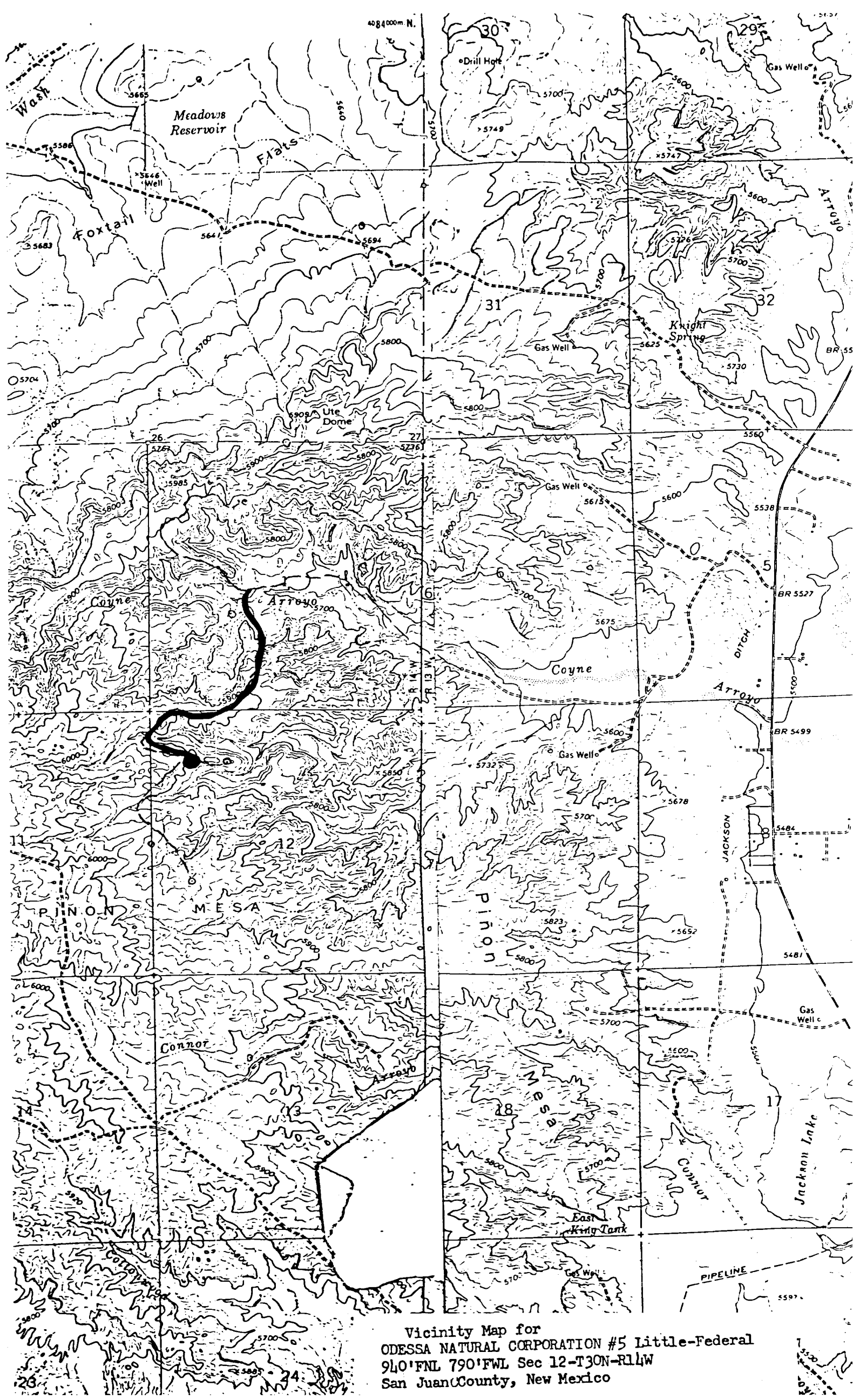
Date Surveyed  
**March 10, 1977**

Registered Professional Engineer  
and/or Land Surveyor

*[Signature]*  
**Fred B. Kerr, Jr.**

Certificate No.  
**3950**

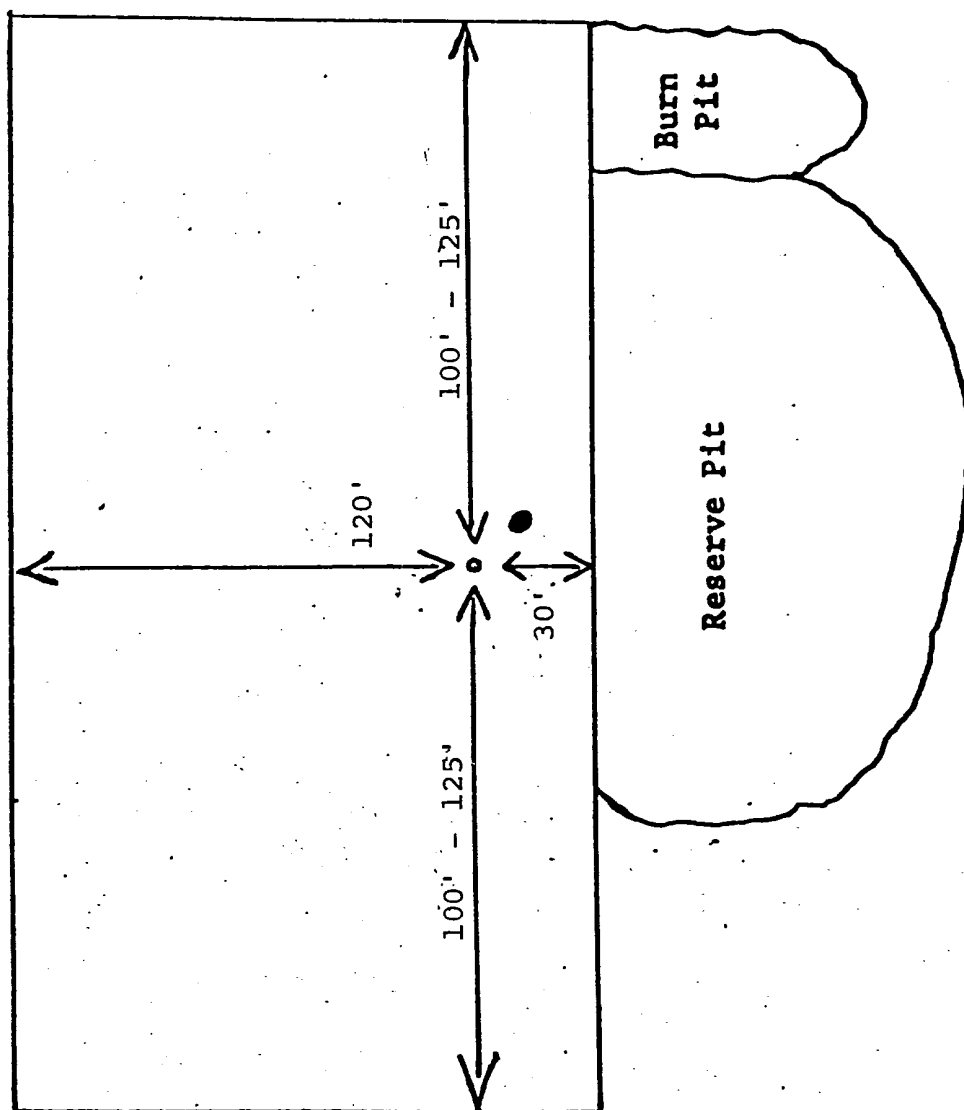




Vicinity Map for  
ODESSA NATURAL CORPORATION #5 Little-Federal  
940'FNL 790'FWL Sec 12-T30N-R14W  
San Juan County, New Mexico

ODESSA NATURAL CORPORATION  
LITTLE FEDERAL NO. 5  
NW/4NW/4 Section 12-T30N-R14W  
San Juan County, N. M.

LOCATION LAYOUT



DEVELOPMENT PLAN

ODESSA NATURAL CORPORATION  
LITTLE FEDERAL NO. 5

1. Existing roads shown on attached plat.
2. Planned access from existing road is approximately  
-C- to new location.
3. Location - 940'FNL, 790'FWL  
Sec. 12-T30N-R14W  
San Juan County, N. M.
4. Two additional wells are planned on this lease at this time.
5. Production equipment or storage facilities proposed for the well will be installed on location.
6. Water for drilling and frac will be obtained from San Juan River at West edge of Farmington.
7. Waste materials will be buried on location or in reserve pit.
8. No permanent camp is planned. A trailer house will be used on location during drilling process.
9. No airstrip proposed.
10. See attached plat for layout.
11. Pits will be filled, location cleaned up, and area not in use for producing well will be reseeded as per attached BLM seeding requirement.

DEVELOPMENT PLAN

Page 2 of 2

12. Lessee's or operator's representative.

Ewell N. Walsh: 325-8203; Radio Dispatch 325-1873, Car 620.  
Address: P. O. Box 254, Farmington, New Mexico 87401

13: CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by:

\_\_\_\_\_  
ODESSA NATURAL CORPORATION

and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

\_\_\_\_\_  
March 15, 1977



Ewell N. Walsh, P.E., President,  
Walsh Engineering & Production  
Corporation

**ODESSA. NATURAL CORPORATION**

**LITTLE FEDERAL NO. 5  
NW/4NW/4 Section 12-T30N-R14W  
San Juan County, N. M.**

**Seven Point Well Control Program**

1. **Surface Casing.**  
See Application for Permit to Drill.
2. **Spools and Flanges**
  - A. Surface Casing - 10", Series 600, 2000 psi W.P.
  - B. Production, 10", Series 600, 2000 psi W.P.
  - C. Tubing Head - Series 600, 2000 psi. W.P.
3. **Intermediate Casing.**  
None
4. **Blowout Preventers**  
Production Hole - 10", 3000 psi  
Fill, kill and choke manifold - 5000 psi. W.P.
5. **Additional Equipment (If necessary)**
  - A. Kelly Cock
  - B. Bit Float
  - C. Degasser
  - D. Pit Level Indicator
  - E. Sub with Valve for drill pipe.
6. **Anticipated Bottom Hole Pressure.**  
500 psi. Current mud program is for 9.2 lb./gal mud with hydrostatic head of 860 psi at 1800 feet. Mud weight will be increased if necessary for higher pressures.
7. **Drilling Fluid.**  
Water and gel chemical.

BLM SEEDING REQUIREMENTS  
IN THE FARMINGTON RESOURCE AREA

1. SEED MIXTURE 2

2. TIME:

All seeding will take place between July 1 and September 15.

3. EQUIPMENT:

Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted not less than one-half inch deep or more than one inch deep. The seeder will be followed with a drag, packer, or roller to insure uniform coverage of the seed, and adequate compaction. Drilling will be done on the contour where possible, not up and down the slope. Where slopes are too steep for contour drilling, a "cyclone" hand seeder or similar broadcast seeder will be used. Seed will then be covered to the depth described above by whatever means is practical.

4. SPECIES TO BE PLANTED IN POUNDS PURE-LIVE-SEED PER ACRE:

CRESTED WHEATGRASS (Agropyron desertorum) -  $3\frac{1}{2}$  lbs.

FOURWING SALTBUSH (dewinged) (Atriplex canescens) -  $\frac{1}{2}$  lb.

SAND DROPSEED (Sporobolus cryptandrus) -  $\frac{3}{4}$  lb.

ALKALI SACATON (Sporobolus airoides) -  $1\frac{1}{2}$  lbs.

SHADSCALE (Atriplex confertifolia) -  $\frac{3}{4}$  lb.

5. Equipment to be painted with the following paint specification:

- A. Green Federal Standard Number, 595-34127
- C. I. E. Measurement X.3715, Y.4138, Y.1172.