

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. NM-28760	
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	
2. NAME OF OPERATOR Odessa Natural Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR PO Box 3908, Odessa, Texas 79760		8. FARM OR LEASE NAME Little Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface L 1850' FSL, 790' FWL At proposed prod. zone		9. WELL NO. 6	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Undesignated Pictured Cliffs	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 790'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 12-T30N-R14W N.M.P.M.	
16. NO. OF ACRES IN LEASE		12. COUNTY OR PARISH 13. STATE San Juan New Mexico	
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. 2600'	
19. PROPOSED DEPTH 1830'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5951' GR		22. APPROX. DATE WORK WILL START* 3-30-77	

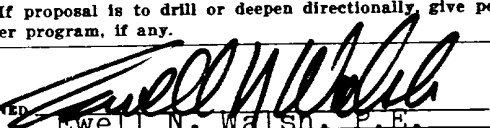
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4	7"	23.0	100'	50 sxs.
6 1/4	4 1/2"	10.50	1830'	To be determined.

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

Gas produced from this well will 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.  Pres., Walsh Engr. & Production Corp. DATE March 15, 1977
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:

Okaf

*See Instructions On Reverse Side

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

Fbrm 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 Little-Federal		Well No. 6
Unit Letter L	Section 12	Township 30N	Range 14W	County San Juan	
Actual Footage Location of Well:					
1850 feet from the South line and		790 feet from the West line			
Ground Level Elev. 5951	Producing Formation Pictured Cliffs	Pool Undesignated Pictured Cliffs	Dedicated Acreage: 160 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: *Ewell N. Walsh*
 Position: **Ewell N. Walsh, P.E.
 President, Walsh Engr.
 & Production Corp.**

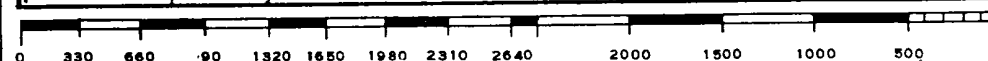
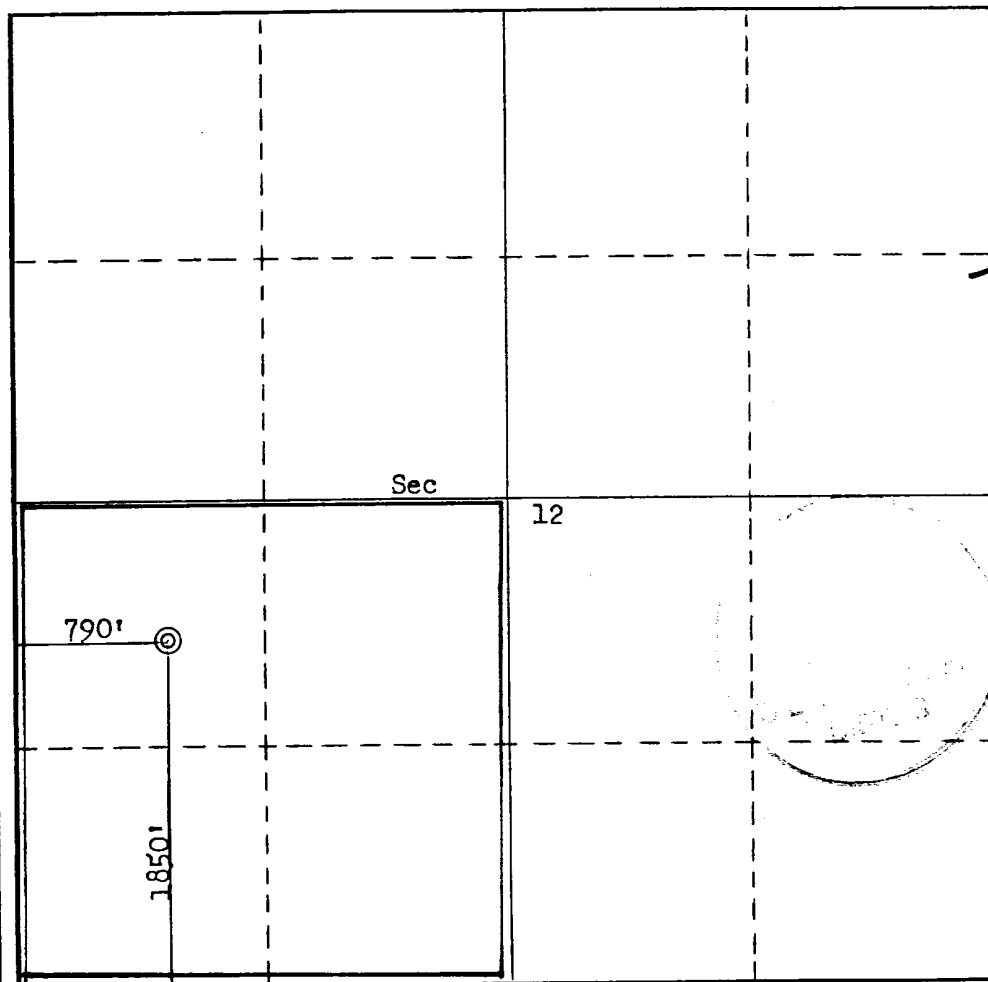
Date: **March 15, 1977**

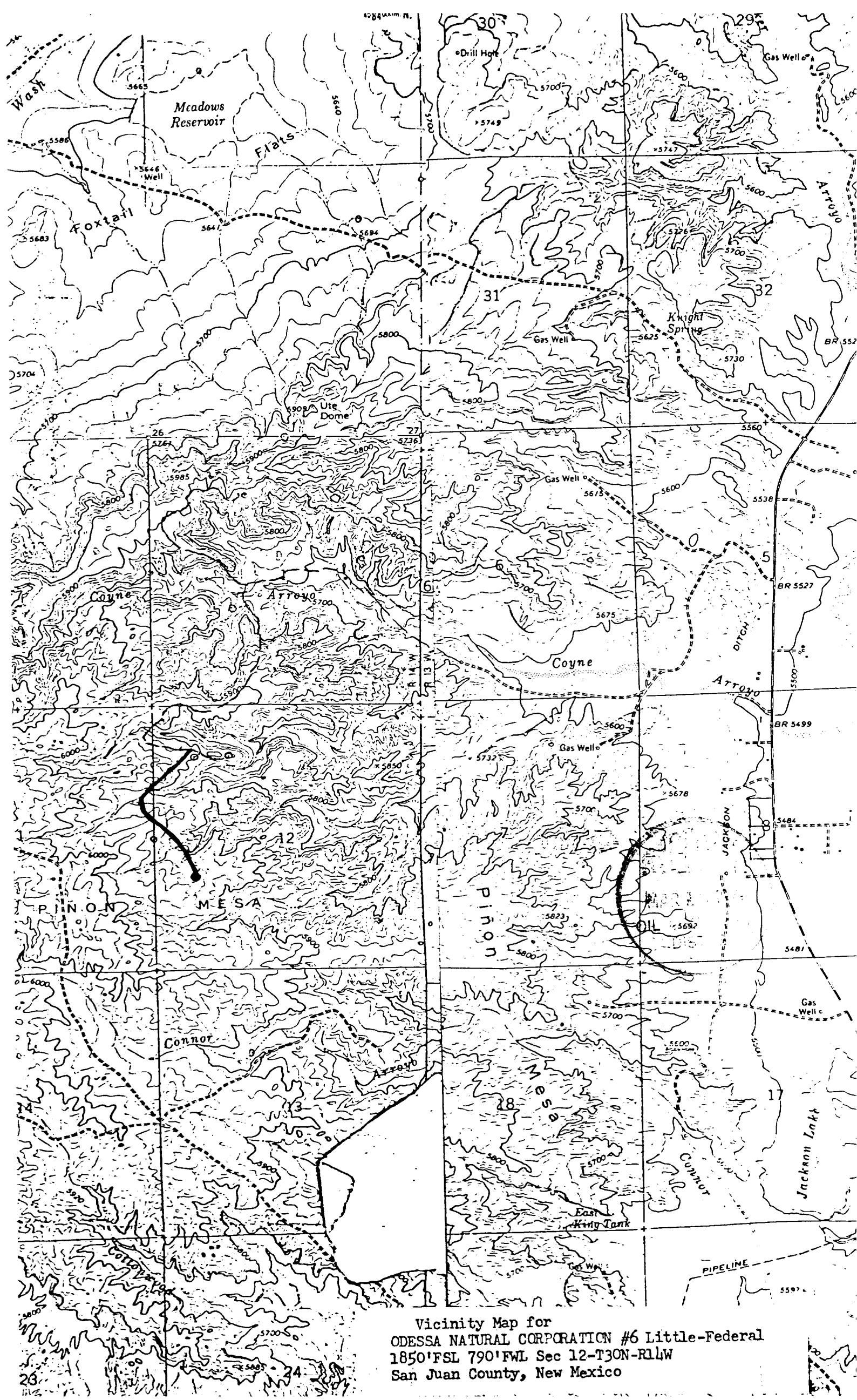
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **March 10, 1977**
 Registered Professional Engineer
 and/or Land Surveyor:

Fred B. Ferr Jr.
Fred B. Ferr Jr.

Certificate No. **3950**

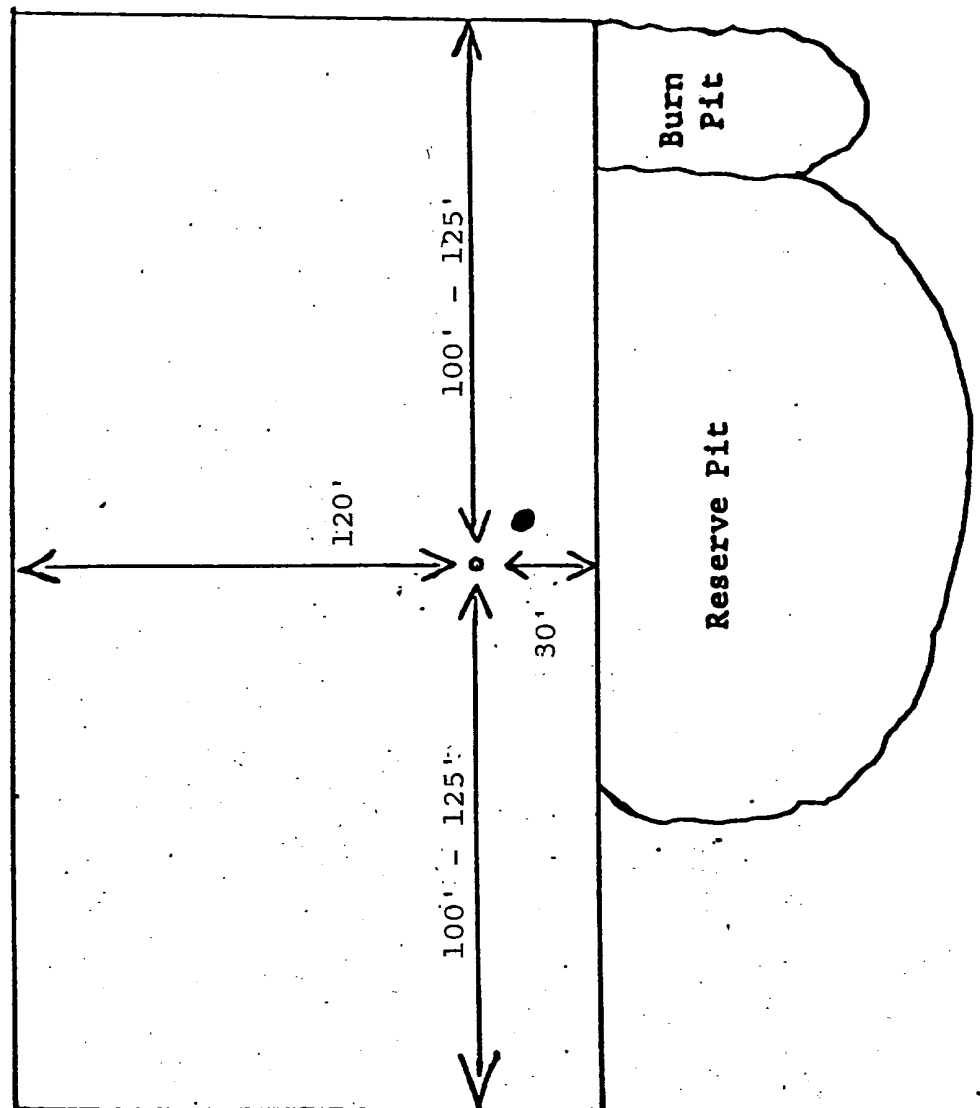




Vicinity Map for
ODESSA NATURAL CORPORATION #6 Little-Federal
1850' FSL 790' FWL Sec 12-T30N-R14W
San Juan County, New Mexico

ODESSA NATURAL CORPORATION
LITTLE FEDERAL NO. 6
1850' FSL, 790' FWL Section 12-T30N-R14W

LOCATION LAYOUT



DEVELOPMENT PLAN

ODESSA NATURAL CORPORATION

LITTLE FEDERAL NO. 6

1. Existing roads shown on attached plat.
2. Planned access from existing road is approximately 3000' to new location.
3. Location - 1850' FSL, 790' FWL
Section 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. Drilling and frac water to be obtained from San Juan River at West side 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

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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

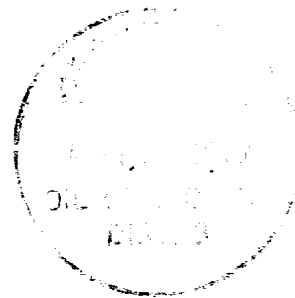


Ewell N. Walsh, P.E., President,
Walsh Engineering & Production
Corporation

ODESSA NATURAL CORPORATION
LITTLE FEDERAL NO. 6
SW/4SW/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) - $3\frac{1}{4}$ 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.