

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 Attention: John Strojek  
Odessa Natural Corportaion

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 1850' FNL, 790' FEL  
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Not applicable

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 160

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1580'

19. PROPOSED DEPTH 7680

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
7339' G.L., 7352' D.F., 7353' K.B.

22. APPROX. DATE WORK WILL START\*  
November 15, 1979

5. LEASE DESIGNATION AND SERIAL NO.  
Contract 412

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Chacon Jicarilla "D"

9. WELL NO.  
16

10. FIELD AND POOL, OR WILDCAT  
Chacon Dakota  
Associated Pool

11. SEC., T., R. M., OR BLK. AND SURVEY OR AREA  
Sec. 16-T23N-R3W  
N.M.P.M.

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
N.M.

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	7680'	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	3097'	Green horn	7224'
Cliff House	4674'	Graneros	7293'
Gallup	6231'	Dakota	7312'

The NE/4 Section 16 is dedicated to this well.  
The natural gas produced from this well is committed.

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.

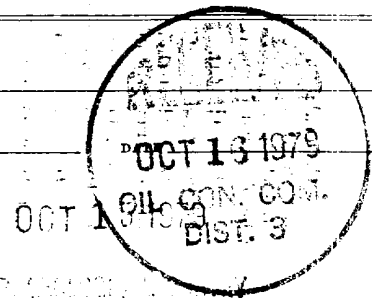
24. FOR: Odessa Natural Corporation

SIGNED EWELL N. WALSH TITLE President, Walsh Engin. & Production Corp. DATE 10/12/79  
(This space for Federal or State office use)

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

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

\*See Instructions On Reverse Side



## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-107  
Revised 10-1-78

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

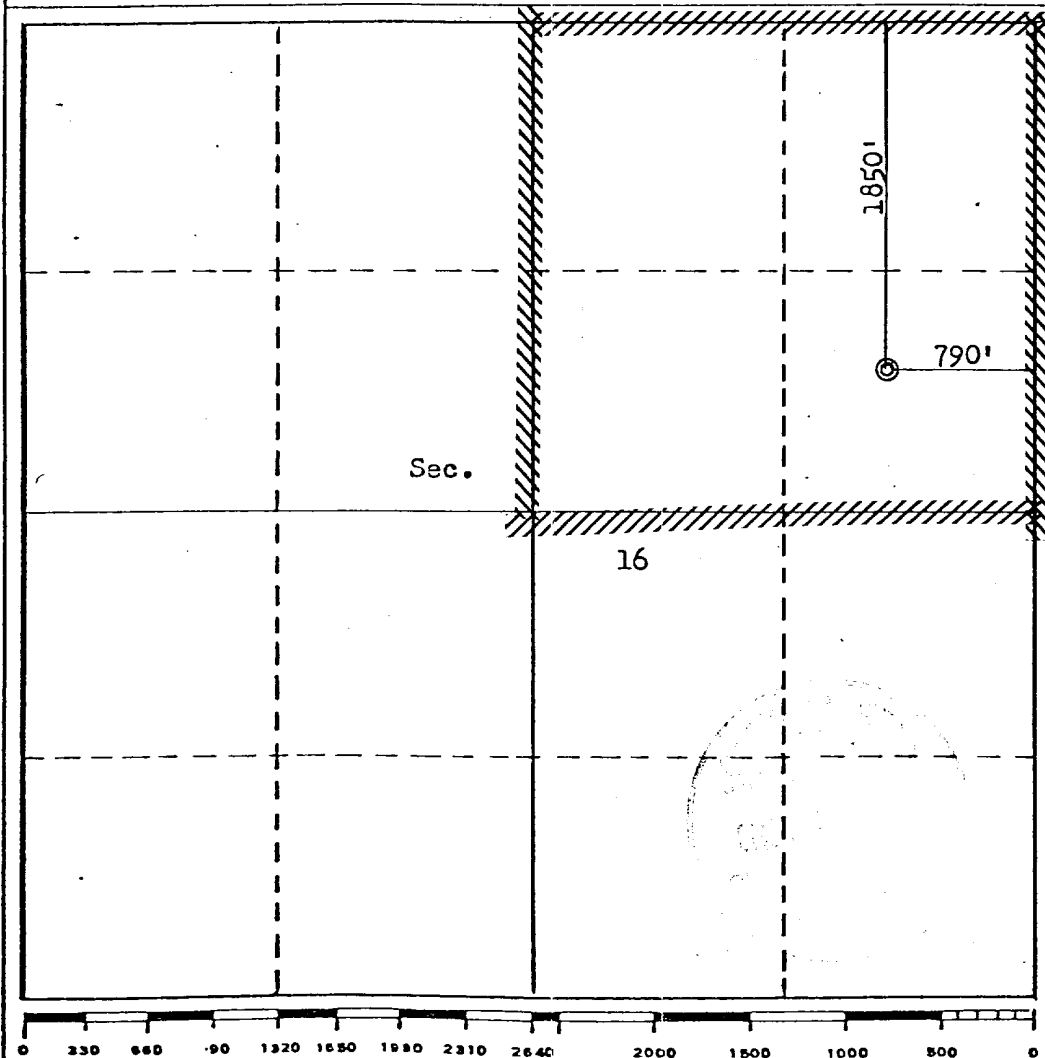
Operator <b>ODESSA NATURAL CORPORATION</b>			Lease <b>CHACON-JICARILLA "D"</b>		Well No. <b>16</b>
Unit Letter <b>H</b>	Section <b>16</b>	Township <b>23N</b>	Range <b>3W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well:					
<b>1850</b>		feet from the North		line and	<b>790</b>
				feet from the East	line
Ground Level Elev. <b>7339</b>	Producing Formation <b>Dakota</b>		Pool <b>Chacon Dakota Associated</b> ✓		Dedicated Acreage: <b>160</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.

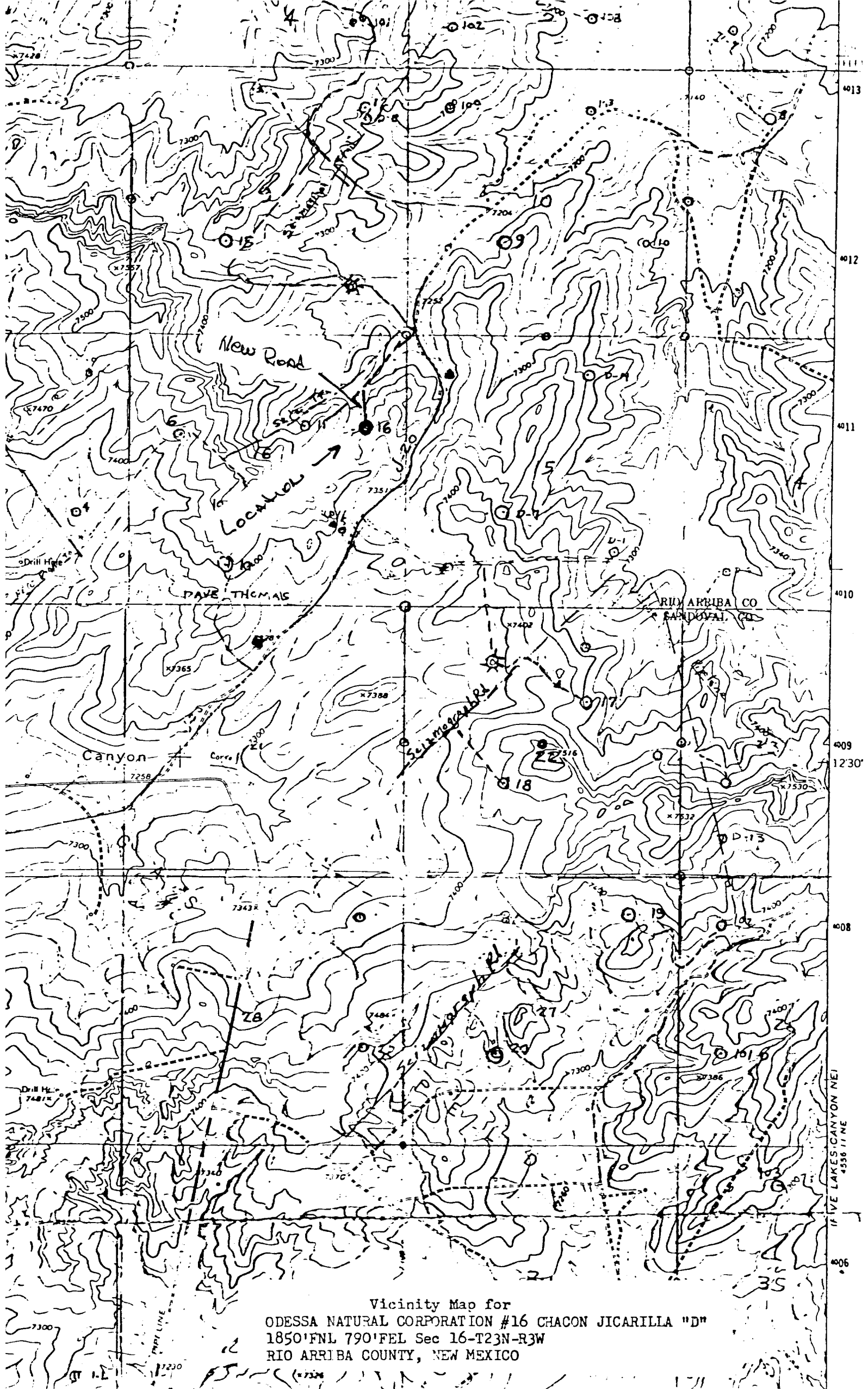
FOR: ODESSA NATURAL CORP.

Name **ORIGINAL SIGNED BY**  
**EWELL N. WALSH**Position  
**Ewell N. Walsh, P.E.**Company **President**  
**Walsh Engr. & Prod. Corp.**Date  
**10/12/79**

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

**October 12, 1979**Registered Professional Engineer  
and/or Land Surveyor**Fred B. Fitch, Jr.**Certificate No. **3950**  
**FRED B. FITCH, JR.**



Vicinity Map for  
ODESSA NATURAL CORPORATION #16 CHACON JICARILLA "D"  
1850'FNL 790'FEL Sec 16-T23N-R3W  
RIO ARRIBA COUNTY, NEW MEXICO

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Contract No. 412

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

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SURVEY OR AREA

Sec. 16-T23N-R3W

N.M.P.M.

12. COUNTY OR PARISH

Rio Arriba

13. STATE

N.M.

1.

OIL ☒ GAS ☐ OTHER ☐  
WELL WELL

2. NAME OF OPERATOR

ODESSA NATURAL CORPORATION Attn: 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.\*

See also space 17 below.)

At surface

1850'FNL, 790'FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7339'GL, 7352'DF, 7353'KB

16.

## Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☒FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

12/6/79 Spud Well

12/6/79 T.D. 268'

Ran 6 joints 8-5/8", 24.0 lb., K-55 casing (244') set at 256' with 250 sacks Class "B" cement with 3% Calcium Chloride and 1/4 lb. Flocele per sack. Cement circulated. Pressure test with 500 psig, test ok.

12/29/79 T.D. 7680'

Ran 189 joints, 4-1/2", 10.50 & 11.60 lb., K-55 casing (7632.23') set at 7646.23' with:

First Stage: 440 sacks 50-50 Pozmix with 6-1/4 lbs. Gilsonite and 6 lbs. salt per sack.

Second Stage: 110 sacks 65-35 Pozmix (12% gel) with 6-1/4 lbs. Gilsonite per sack, followed by 50 sacks Class "B" Neat Cement. Stage collar at 3395'.

FOR: ODESSA NATURAL CORPORATION

18. I hereby certify that the foregoing is true and correct

SIGNED

ORIGINAL SIGNED BY  
Ewell N. Walsh, P.E.

TITLE

President, Walsh Engr. &  
Production Corp.

(This space for Federal or State office use)

ACCEPTED FOR RECORD

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JAN 17 '80

\*See Instructions on Reverse Side

JAN 7 1980

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.Durango DISTRICT  
BY: cat