

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUPPLEMENTARY INVESTIGATION  
OF THE GEOLOGICAL SURVEY

Form Approved  
Bureau No. 42-R1424  
EXPLANATION AND SERIAL NO.  
Contract No. 183  
NAME OF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug-back to a different reservoir.  
Use Form 9-331 for PERMITTING such proposals.)

|                                                                                                                                                               |  |                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------|
| 1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER                                              |  | 7. UNIT AGREEMENT NAME<br>Jicarilla Apache                           |
| 2. NAME OF OPERATOR<br>ODESSA NATURAL CORPORATION ATTN: John Strojek                                                                                          |  | 8. FARM OR LEASE NAME<br>Chacon Jicarilla "D"                        |
| 3. ADDRESS OF OPERATOR<br>P.O. Box 3908, Odessa, Texas 79760                                                                                                  |  | 9. WELL NO.<br>20                                                    |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br>1770'FSL, 1740'FWL |  | 10. FIELD AND POOL, OR WILDCAT<br>Chacon Dakota<br>Associated Pool   |
| 14. PERMIT NO.                                                                                                                                                |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 27-T23N-R3W |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>7372'DF, 7373'KB                                                                                            |  | 12. COUNTY OR PARISH<br>Sandoval                                     |
|                                                                                                                                                               |  | 13. STATE<br>N.M.                                                    |

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

|                                              |                                               |                                                        |                                          |
|----------------------------------------------|-----------------------------------------------|--------------------------------------------------------|------------------------------------------|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>                | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input checked="" type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/>         | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         | (Other) <input type="checkbox"/>                       |                                          |

(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.)\*

See attached fracture treatments.



FOR: ODESSA NATURAL CORPORATION

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

SIGNED EWELL N. WALSH  
Ewell N. Walsh, P.E.

PRESIDENT, Walsh Engineering  
& Production Corporation DATE June 2, 1980

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

ACCEPTED FOR RECORD  
DATE \_\_\_\_\_

JUN 9 1980

\*See Instructions on Reverse Side

FARMINGTON DISTRICT  
BY 9/8

## FRACTURE TREATMENT

Formation Dakota Stage No. 1 Date 5/27/80

Operator Odessa Natural Corporation Lease and Well Chacon, Jicarilla "D" 20

Correlation Log Type GR-CC From 7398' To 6100'

Temporary Bridge Plug Type \_\_\_\_\_ Set At \_\_\_\_\_

Perforations 7272-7278'; 7286-7290'  
2 Per foot type 3 1/2" Glass Strip Jet

Pad 7000 gallons. Additives 1% KCl. 2 lbs.  
 FR-20 per 1000 gallons. 1 gallon Frac Flo per  
 1000 gallons. 15 lbs. Adomite per 1000 gals.  
1 gal. Emulsion Breaker per 1000 gals.

Water 40,000 gallons. Additives 1% KCl. 2 lbs.  
 FR-20 per 1000 gallons. 15 lbs. Adomite per 1000  
 gals.

Sand 40,000 lbs. Size 20/40

Flush 5500 gallons. Additives 1% KCl. 2 lbs.  
 FR-20 & 1 gallon Frac Flo per 1000 gallons.  
15 lbs. Adomite per 1000 gals.

Breakdown 3500 psig

Ave. Treating Pressure 2900 psig

Max. Treating Pressure 3050 psig

Ave. Injection Rate 30 BPM

Hydraulic Horsepower 2132 HHP

Instantaneous SIP 2150 psig

5 Minute SIP 1800 psig

10 Minute SIP 1600 psig

15 Minute SIP 1500 psig

Ball Drops: 8 Balls at 30,000 gallons 100 psig  
 increase  
8 Balls at 34760 gallons 200 psig  
 increase  
 \_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig  
 increase

Remarks: \_\_\_\_\_

Walsh

ENGINEERING &amp; PRODUCTION CORP.

# FRACTURE TREATMENT

Formation Dakota Stage No. 2 Date 5/28/80  
 Operator Odessa Natural Corporation Lease and Well Chacon Jicarilla "D" 20

Correlation Log Type \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Temporary Bridge Plug Type Halco Speed-E-Line Set At 7265'

Perforations 7168-7206', 1 per foot; 7234-7239', 2 per foot.  
Per foot type 3 1/2 Glass Strip Jets

Pad 10,000 gallons. Additives 1% Kcl. 2 lbs.  
FR-20 per 1000 gallons. 1 gallon Frac Flo per  
1000 gallons. 1 gal. Emulsion Breaker per 1000  
gals. 15 lbs. Adomite per 1000 gals.

Water 80,000 gallons. Additives 1% Kcl. 2 lbs.  
FR-20 per 1000 gallons. 15 lbs. Adomite per 1000  
gals.

Sand 80,000 lbs. Size 20/40

Flush 4900 gallons. Additives 1% Kcl. 2 lbs.  
FR-20

|                        |                  |                   |
|------------------------|------------------|-------------------|
| Breakdown              | <u>3200</u> psig | 4 Hour Shut In    |
|                        |                  | 5:00 PM 1200 psig |
| Ave. Treating Pressure | <u>3400</u> psig | 6:00 PM 900 psig  |
|                        |                  | 7:00 PM 800 psig  |
| Max. Treating Pressure | <u>3500</u> psig | 8:00 PM 750 psig  |

Ave. Injection Rate 43 BPM

Hydraulic Horsepower 3583 HHP

Instantaneous SIP 2500 psig

5 Minute SIP 2000 psig

10 Minute SIP 1850 psig

15 Minute SIP 1800 psig

Ball Drops: 12 Balls at 40,000 gallons 100 psig  
12 Balls at 60,000 gallons 100 psig  
 \_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig

Remarks: \_\_\_\_\_

