SUBSCRIBSTREAM LINE FORE ME THIS 5th DAY OF February 19 82

STATE NOTARY PUBLIC Sedgwick County, Karras My Appt. Exp. 6/12/82

MY COMMISSION EXPIRES: 06/12/82 Sherry L. Kendall

\*\*The person who can be reached by phone regarding any questions concerning this information. Within 45 days of completion, a witnessed initial test by the Commission is required if the well produces more than 25 BOPD or is located in a Basic Order Pool.

WELL LOG SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION. Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries FORMATION DESCRIPTION, CONTENTS, ETC. BOTTOM NAME DEPTH 0 - 290 290 - 1935 290 Surface Shale. LOG TOPS 1935 - 2970 Lime and shale 2970 - 4078 Lime ANHY 2155 (+360) 4078 **RTD** B/ANHY 218B (+327) HEEB 3776 (-1261) (-1283) DST #1 3784-3805 (TORO Zn) 30-60-45-75, Gd B incr to Strg B/2", Rec. 60' GIP, 563' M&WCGO, 1302' WCGO, 62' VMW, TORO 3798 LANS 3815 (-1300) MUN CRK 3984 (-1419) 1927' TF. IFP 115-534#, ISIP 1023#, STK 4002 (-1487) BKC 4047 (-1532) FFP 540-815#, FSIP 1002#.
DST #2 3814-3820 (TOP Zn)
SBTO, Rec. 62' VMSW, 2110' SW, LTD 4080 (-1565) IFP 482-981#, ISIP 1002#, FFP 961-1002#, FSIP 1002#, HP 2068-1962#.

DST #3 3831-3854 (35' Zn) 30-60-45-75 SBTO, Rec. 2046' MSW, IFP 231-?, ISIP 1023#, FFP 794-981#, FSIP 1023#, DST #7 3959-3982 (160' Zn) Weak Blow/died 20"
Red. 1' Mud. IFP 21-21#, ISIP 21#,
FFF 21-21#, FSIP 21#. HP 1962-1962# DST #4 3855-3863 (50' Zn) 30-60-45-75, SBTO, Rec. 352' GIP, 952' TF: 25' CGO (86% 0, 11.2% W, 2.8% M) 927' Oil spkd MSW. IFP 21-252#, ISIP 1023#, FFP 253-DST #8 3974-4002 (180° Zn) 30-60-45-75, IF/3" blow, FF/1" blow. Rec. 120' GIP, 112' SOCM (85% M, 15% 0). IFP 42-63#, ISIP 961#, FFP 63-84#, FSIP 898#. DST #9 3994-4024 (200° Zn) 30-60-45-75, Strg blow decr to 6 in./15". Rec. 310' Mud. IFP 63-189# ISIP 430# FFP 190-190# 440#, FSIP 1023#, HP 2004-2004# DST #5 3878-3906 (70', 90', 100' Zn) 30-60-45-75, Strg B/5", Rec. 1131' MSW, NS, IFP 53-336#, ISIP 1065#, FFP 336-545#, FSIP 1065#, HP 2089-2004#. IFP 63-189#, ISIP 430#, FFP 189-189#, FSIP 336#. DST #6 3929-3955 (140 Zn) Initial: SB/5" Final: SB/6", Rec. 707 GIP, 659' TF: 359' MCO (Top stand: 48% 0, 47% M, 5% W. Middle stand: 74% 0, 22% M, 4% W. Bottom stand: 66% 0, 7% M, 27% W) 300' 0&MCSW (Top stand: 20% 0, 60% W, 20% M). IFP 42-188#, ISIP 1045#, FFP 188-272#,

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) or XXXXXXX Purpose of string Size hole drilled Size casing set Weight lbs/ft. Setting depth Type cement Type and percent additives Sacks SURFACE 12½" 8 5/8" 24# 287' 60/40 poz 250 sx 2% gel, 3% cc PRODUCTION 7 7/8" 45" 10.5# 4075' 50/50 poz 150 sx 3/4 of 1% CFR-2, 10# sugar, 18% salt. DV Tool 21801 Lite 500 sx

LINER RECORD PERFORATION RECORD Top, ft. Bottom, ft. Sacks cement Shots per ft. Size & type 3/8" Jet Depth interval 2 3950-52 TUBING RECORD Setting depth 3943 <sup>1</sup> Packer set at N/A 2-3/8"

> ACID EDACTURE

|                                    | 701   | D, PRACTU | RE, SHOT, C | EMENT SQUEE | ZE REC      | ORD |                        |       |    |
|------------------------------------|---|-----------|-------------|-------------|-------------|-----|------------------------|-------|----|
| Amount and kind of material used   |   |           |             |             |             |     | Depth interval treated |       |    |
| 250 gallons                        | 7½% MCA   |           |             |             |             |     | 3950-                  | 52    |    |
|                                    |   |           |             |             |             |     |                        |       |    |
| Pate of first production 1/28/82   | Producing method (flowing, pumping, ges lift, etc.) Pumping |           |             |             | Gravity     |     |                        |       |    |
| RATE OF PRODUCTION<br>PER 24 HOURS | 62  |           | Gas         | i           | Woter<br>20 | %   |                        | 36.5° |    |
| Disposition of gas (vented, i      | ised on lease or sold)                                      | bbls.     | L           | MCF         | 7           | 70  | bbis.                  |       | CF |

FSIP 1035#, HP 2094-2010#

Perforations 3950-52 '