



F.R. 11-28-77  
(Seven Rivers)  
12-27-77 Drlg 1405'  
1-5-78 TD 3068'; Fsg  
1-12-78 TD 3068'; Drlg by @ 2894'  
1-20-78 Drlg 3655'  
1-27-78 TD 3655'; PBD 3608'; Prep Frac  
Perf (SVRV-QUEN) 3524-28', 3541-45', 3562-66'  
w/1 SPF  
Acid (3524-66') 1000 gals  
Frac (3524-66') 10,000 gals wtr + 15,000# sd  
Swbd 18 BO + 56 BLW in 7 hrs (3524-66')  
2-10-78 TD 3655'; PBD 3495'; Prep Frac  
CIBP @ 3495'  
Perf (SVRV-QUEN) 3356-3476' w/22 shots (overall)  
Acid (3356-3476') 3000 gals  
Swbd 32 BO + 20 BW in 9 hrs 30 mins (3356-3476')  
4-3-6 NM

LEA Langlie Mattix  
ATLANTIC RICHFIELD CO. Lanehart "22"  
Sec 22, T25S, R37E

NM  
Page #2

2-17-78 TD 3655'; PBD 3495'; SI  
Frac (3356-3476') 40,000 gals wtr + 45,900# sd  
4-10-78 TD 3655'; PBD 3495'; Complete  
LOG TOPS: Yates 2740', Seven Rivers 3042',  
Queen 3383'  
LOGS RUN: DILL, CALP, CNL, FDC  
4-15-78 COMPLETION ISSUED

4-3-6 NM  
IC 30-025-70343-77

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

Revised C-128  
Effective 1-1-65

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

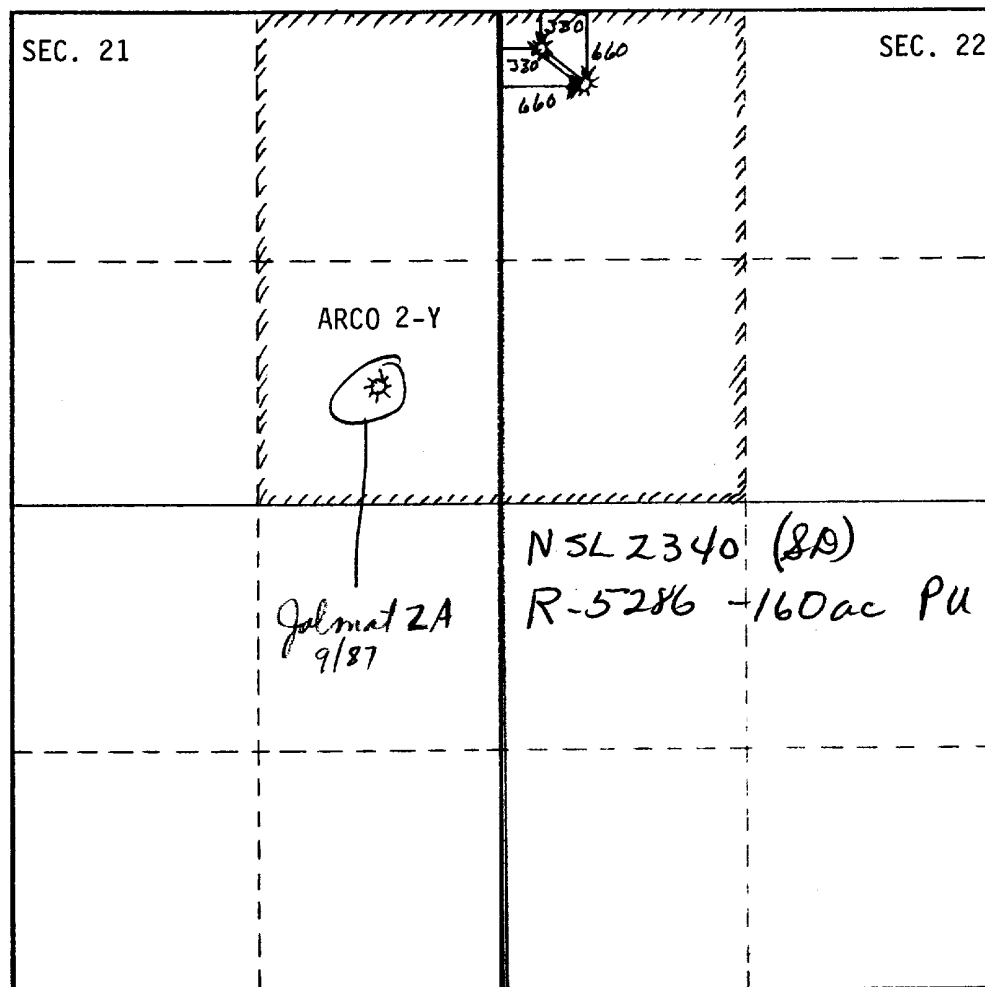
|                                                                                                                              |                                     |                        |                             |                      |                                        |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------|-----------------------------|----------------------|----------------------------------------|
| Operator<br><b>LEWIS B. BURLESON, INC.</b>                                                                                   |                                     |                        | Lease<br><b>LANEHART 22</b> |                      | Well No.<br><b>1</b>                   |
| Unit Letter<br><b>D</b>                                                                                                      | Section<br><b>22</b>                | Township<br><b>25S</b> | Range<br><b>37E</b>         | County<br><b>LEA</b> |                                        |
| Actual Footage Location of Well:<br><b>660</b> feet from the <b>North</b> line and <b>660</b> feet from the <b>West</b> line |                                     |                        |                             |                      |                                        |
| Ground Level Elev.<br><b>3079</b>                                                                                            | Producing Formation<br><b>Yates</b> |                        | Pool<br><b>Jalmat</b>       |                      | Dedicated Acreage:<br><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.

Name  
**Lewis B. Burleson**

Position  
**President**

Company  
**Lewis B. Burleson, Inc.**

Date  
**7-6-87**

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 \_\_\_\_\_

Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

Certificate No. \_\_\_\_\_

12/10/87

RECEIVED  
AUG 7 1987  
OCD  
HCRIS OFFICE

DIRECTIONAL  
INVESTMENT  
GUIDANCE, INC.



P. O. Box 7238 • Midland, Texas 79701 • Phone (915) 563-1490

STATE OF New Mexico  
COUNTY OF Lea

I, H. G Pruet, in the employ of the Directional Drilling Department of Directional Investment Guidance, Inc., did on the days of December 21, 19 77 thru December 28, 19 77 conduct or supervise the taking of a Magnetic Single Shot Suvey by the method of Magnetic Oriented Survey from a depth of 1366 feet to 3655 feet, with records of inclination being taken at approximately every 90 feet.

This survey was conducted at the request of Atlantic Richfield Co. for their Lanehart 22 Well No. 1 Lea County, State of New Mexico, in the Field.

H. G. Pruet  
H.G. Pruet

STATE OF Texas  
COUNTY OF Midland

Before me the undersigned authority, on this day personally appeared H.G. Pruet, known to me to be the person whose name is subscribed to this instrument, who after being by me duly sworn on oath, states that he has knowledge of all the facts stated above and that the same is a true and correct statement of facts therein recited.

Subscribed and sworn to before me this 24th day of January, 19 78.

Jessie Coppedge  
Notary Public in and for the  
Midland County, Texas







ATLANTIC-RICHFIELD COMPANY  
LANEHART 22 NO. 1  
WILDCAT  
LEA COUNTY, NM  
SINGLE SHOT RECORDS

PAGE 2  
DATE OF SURVEY JANUARY 20, 1978  
VERTICAL SECTION DIRECTION CLOSURE

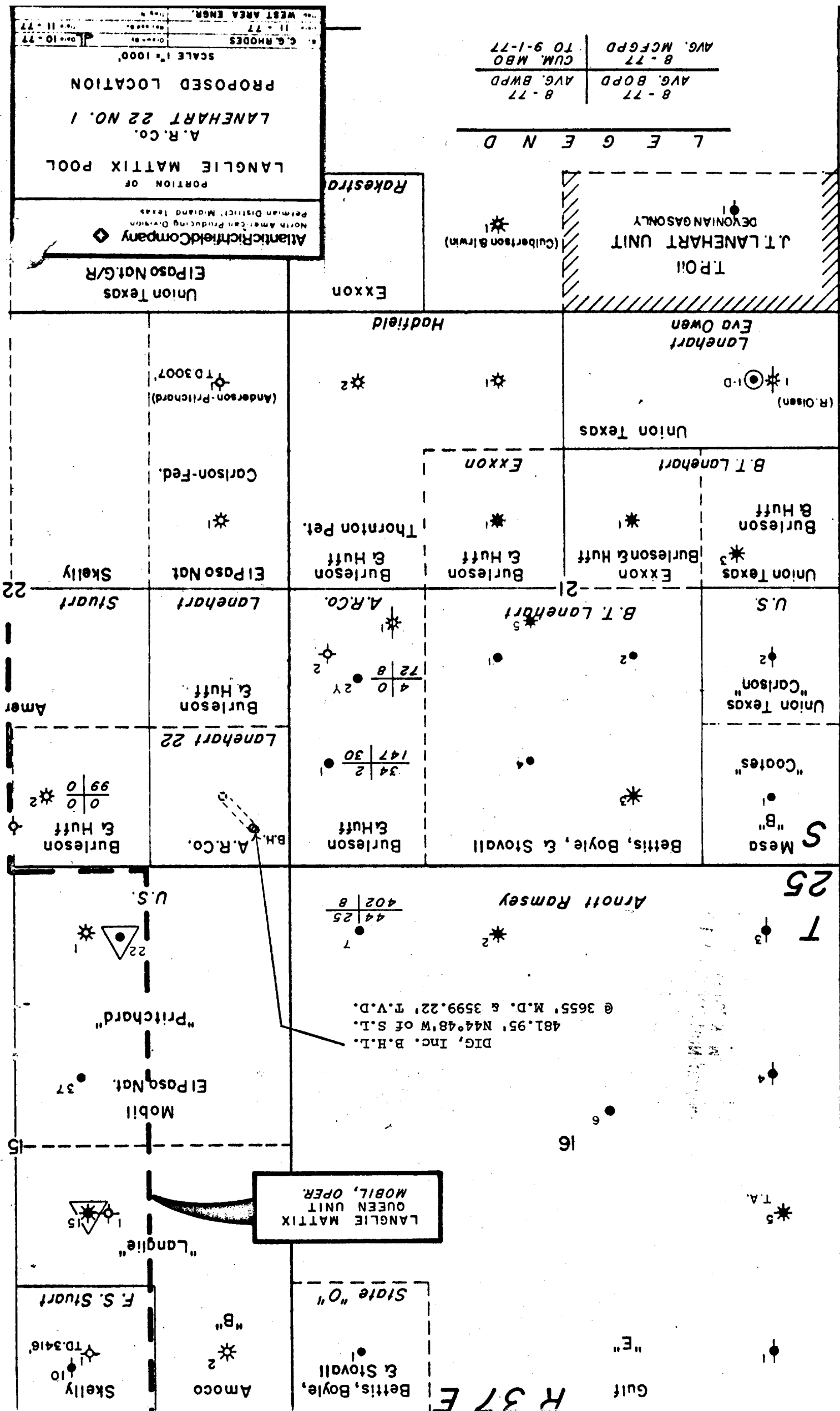
DIG 7706

D I G, INC.  
RECORD OF SURVEY

\*\* THE CALCULATIONS ARE BASED ON THE AVERAGE ANGLE METHOD \*\*

HORIZONTAL DISPLACEMENT = 481.95 FEET AT NORTH 44 DEG. 48 MIN. WEST (TRUE)





**RECEIVED**

**MAR 28 1978**

**OIL CONSERVATION COMM.  
MOORE, N. M.**



**REPORT  
of  
SUB-SURFACE  
DIRECTIONAL  
SURVEY**

\_\_\_\_\_  
THE ATLANTIC RICHFIELD COMPANY  
COMPANY

\_\_\_\_\_  
LANEHART "22" #1  
WELL NAME

\_\_\_\_\_  
LEA COUNTY, NEW MEXICO  
LOCATION

**JOB NUMBER**  
\_\_\_\_\_  
WT178-G01141

**TYPE OF SURVEY**  
\_\_\_\_\_  
Gyroscopic Multi-Shot

**DATE**  
\_\_\_\_\_  
1/23/78

**SURVEY BY** James Blackledge

**OFFICE** West Texas Dist



ATLANTIC RICHFIELD COMPANY

LANEHART 22 #1

LEA COUNTY, NEW MEXICO

GYROSCOPIC SURVEY

WT 178-G 01141

SURVEYOR-JAMES BLACKLEDGE

EASTMAN-WHIPSTOCK

JANUARY 24, 1978

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD



| MEASURED<br>DEPTH<br>FEET | DRIFT<br>ANGLE<br>D M | DRIFT<br>DIRECTION<br>D | TRUE                      |                           | RECTANGULAR<br>COORDINATES<br>FEET | DOG LEG<br>SEVERITY<br>DEG/100FT |
|---------------------------|-----------------------|-------------------------|---------------------------|---------------------------|------------------------------------|----------------------------------|
|                           |                       |                         | VERTICAL<br>DEPTH<br>FEET | VERTICAL<br>DEPTH<br>FEET |                                    |                                  |
| 0.                        | 0 0                   | 0                       | 0.00                      | 0.00                      | 0.00                               | 0.0                              |
| 100.                      | 0 15                  | S 4 E                   | 100.00                    | .22 S                     | .02 E                              | .3                               |
| 200.                      | 0 0                   | 0                       | 200.00                    | .44 S                     | .03 E                              | .3                               |
| 300.                      | 0 30                  | S 30 E                  | 300.00                    | .81 S                     | .25 E                              | .5                               |
| 400.                      | 0 45                  | S 54 E                  | 399.99                    | 1.62 S                    | .97 E                              | .4                               |
| 500.                      | 0 30                  | S 42 E                  | 499.99                    | 2.35 S                    | 1.78 E                             | .3                               |
| 600.                      | 0 30                  | S 27 E                  | 599.98                    | 3.06 S                    | 2.28 E                             | .1                               |
| 700.                      | 1 0                   | S 23 E                  | 699.97                    | 4.25 S                    | 2.83 E                             | .5                               |
| 800.                      | 1 30                  | S 7 W                   | 799.95                    | 6.39 S                    | 3.13 E                             | .8                               |
| 900.                      | 1 15                  | S 13 W                  | 899.92                    | 8.75 S                    | 2.71 E                             | .3                               |
| 1000.                     | 1 15                  | S 27 W                  | 999.90                    | 10.79 S                   | 1.97 E                             | .3                               |
| 1100.                     | 1 0                   | S 25 W                  | 1099.88                   | 12.56 S                   | 1.11 E                             | .3                               |
| 1200.                     | 0 45                  | S 20 W                  | 1199.87                   | 13.97 S                   | .52 E                              | .3                               |
| 1300.                     | 0 30                  | S 29 E                  | 1299.86                   | 15.02 S                   | .61 E                              | .6                               |
| 1400.                     | 0 30                  | N 29 W                  | 1399.86                   | 14.75 S                   | 1.09 E                             | 1.0                              |
| 1500.                     | 5 0                   | N 58 W                  | 1499.71                   | 11.31 S                   | 2.17 W                             | 4.6                              |
| 1600.                     | 9 45                  | N 68 W                  | 1598.86                   | 5.49 S                    | 13.59 W                            | 4.9                              |
| 1700.                     | 12 15                 | N 58 W                  | 1697.01                   | 3.16 N                    | 30.57 W                            | 3.1                              |
| 1800.                     | 13 0                  | N 59 W                  | 1794.60                   | 14.58 N                   | 49.21 W                            | .8                               |
| 1900.                     | 13 0                  | N 58 W                  | 1892.03                   | 26.33 N                   | 68.39 W                            | .2                               |
| 2000.                     | 13 0                  | N 57 W                  | 1989.47                   | 38.42 N                   | 87.36 W                            | .2                               |
| 2100.                     | 12 30                 | N 56 W                  | 2087.00                   | 50.60 N                   | 105.76 W                           | .5                               |
| 2200.                     | 12 15                 | N 55 W                  | 2184.68                   | 62.74 N                   | 123.43 W                           | .3                               |
| 2300.                     | 12 0                  | N 53 W                  | 2282.45                   | 75.08 N                   | 140.42 W                           | .5                               |
| 2400.                     | 11 15                 | N 50 W                  | 2380.40                   | 87.63 N                   | 156.19 W                           | 1.0                              |
| 2500.                     | 11 45                 | N 50 W                  | 2478.39                   | 100.44 N                  | 171.46 W                           | .5                               |
| 2600.                     | 12 30                 | N 49 W                  | 2576.16                   | 114.08 N                  | 187.43 W                           | .8                               |
| 2700.                     | 13 45                 | N 48 W                  | 2673.54                   | 129.13 N                  | 204.44 W                           | 1.3                              |
| 2800.                     | 14 0                  | N 47 W                  | 2770.63                   | 145.33 N                  | 222.12 W                           | .3                               |
| 2900.                     | 12 0                  | N 37 W                  | 2868.06                   | 162.02 N                  | 237.15 W                           | 3.0                              |



| MEASURED<br>DEPTH<br>FEET | TRUE  |        | DRIFT<br>ANGLE<br>D M | DRIFT<br>DIRECTION<br>D | VERTICAL<br>DEPTH<br>FEET | RECTANGULAR<br>COORDINATES |  | DOG LEG<br>SEVERITY<br>DEG/100FT |
|---------------------------|-------|--------|-----------------------|-------------------------|---------------------------|----------------------------|--|----------------------------------|
|                           |       |        |                       |                         |                           | FEET                       |  |                                  |
| 3000.                     | 12 15 | N 37 W | 2965.83               | 178.80 N                | 249.79 W                  | .3                         |  |                                  |
| 3100.                     | 14 0  | N 39 W | 3063.21               | 196.69 N                | 263.77 W                  | 1.8                        |  |                                  |
| 3200.                     | 14 15 | N 40 W | 3160.19               | 215.52 N                | 279.29 W                  | .3                         |  |                                  |
| 3300.                     | 15 15 | N 42 W | 3256.89               | 234.74 N                | 295.99 W                  | 1.1                        |  |                                  |
| 3400.                     | 15 15 | N 42 W | 3353.37               | 254.28 N                | 313.59 W                  | 0.0                        |  |                                  |
| 3500.                     | 15 0  | N 41 W | 3449.90               | 273.82 N                | 330.88 W                  | .4                         |  |                                  |
| 3592.                     | 15 0  | N 42 W | 3538.77               | 291.66 N                | 346.66 W                  | .3                         |  |                                  |

FINAL CLOSURE - DIRECTION: N 49 DEGS 55 MINS 29 SECS W  
 DISTANCE: 453.03 FEET





P. O. Box 5577/Midland, Texas 79701/(915) 563-0511  
TWX 910-881-5066/Cable: EASTCO

# SURVEY CERTIFICATION SHEET

STATE OF TEXAS  
COUNTY OF MIDLAND

I, James Blackledge, in the employ of Eastman Whipstock, Inc., did on the days of January 23, 1978 thru January 23, 1978 conduct or supervise the taking of a Gyroscopic survey by the method of magnetic orientation from a depth of 0 feet to 3592 feet, with recordings of inclination and direction being obtained at approximate intervals of random      feet.

This survey was conducted at the request of The Atlantic Richfield Company for their Lanehart "22" #1, Lea County, State of New Mexico, in the      field.

The data for this survey and the calculations were obtained and performed by me according to standards and procedures as set forth by Eastman Whipstock, Inc. and is true and correct to the best of my knowledge.

James Blackledge  
Directional Supervisor/Surveyor

The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman Whipstock, Inc.

Ken Hamer

Before me, the undersigned authority, on this day personally appeared James Blackledge, known to me to be the person whose name is subscribed to this instrument, who after being by me duly sworn on oath, states that he has knowledge of all the facts stated above and that this instrument is a true statement of facts therein recited.

Subscribed and sworn to before me on this 24th day of January, 1978.

Wanda J. Howell  
Notary Public in and for the County of  
Midland, Texas  
My commission expires 10/31/78

**RECEIVED**

**MAR 28 1978**

**OIL CONSERVATION COMM.**  
**MOBES, A. M.**

# ATLANTIC RICHFIELD COMPANY

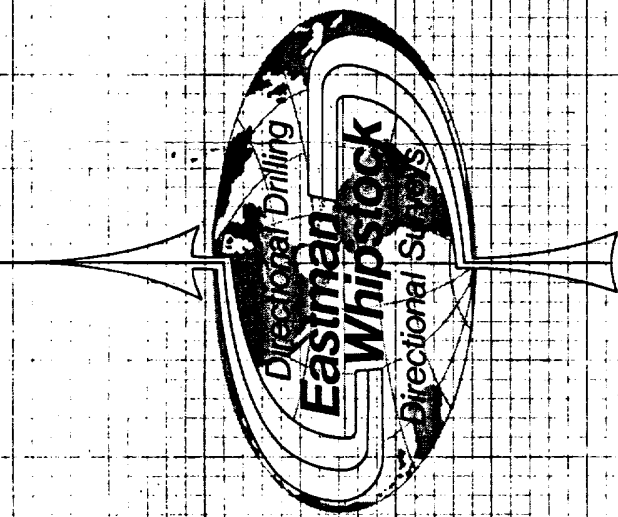
LANEHART 22 WELL NO. 1

LEA COUNTY, NEW MEXICO

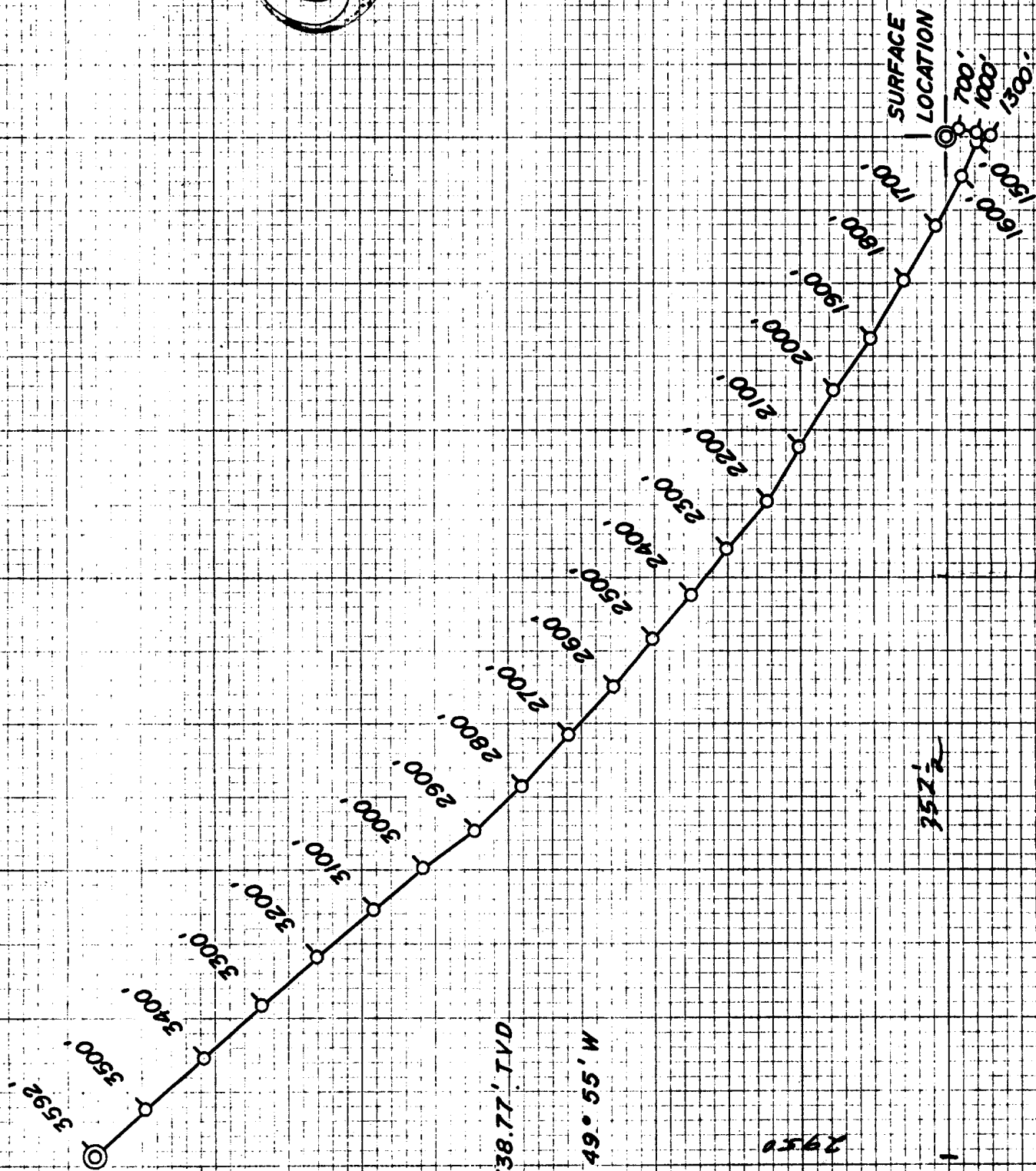
JANUARY 23, 1978

1" = 50'

10 X 10 PER INCH  
NO. 34005-10 DIETZGEN GRAPH PAPER



DEPTH 3592.00' MD 3538.77' TVD  
NORTH 291.66'  
WEST 346.66'  
CLOSURE 453.03' N 49° 55' W



Location of Bottom  
of hole  
300' / W - 36.5' N

MADE IN U.S.A.  
EUGENE DIEZGEN CO.