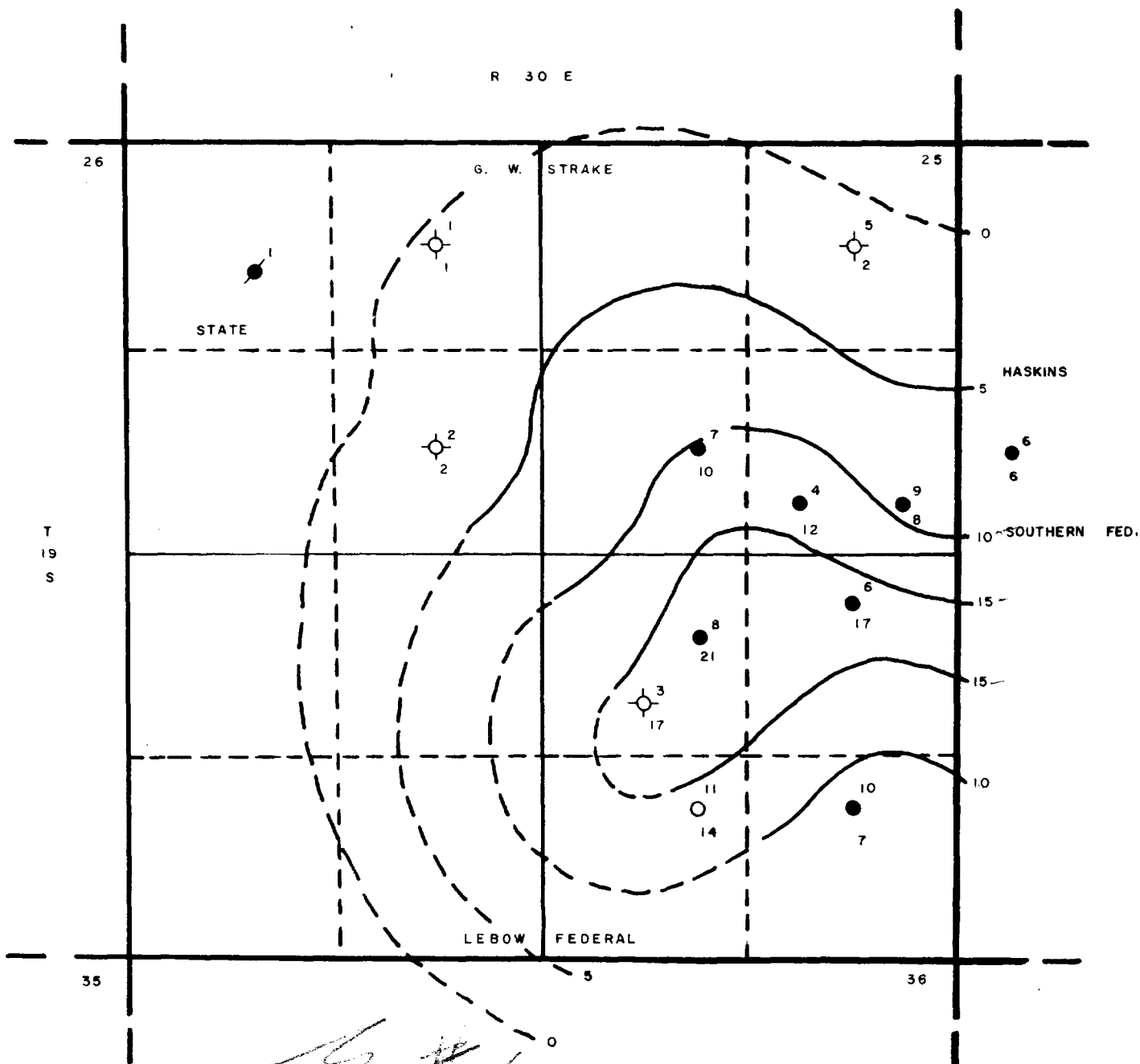




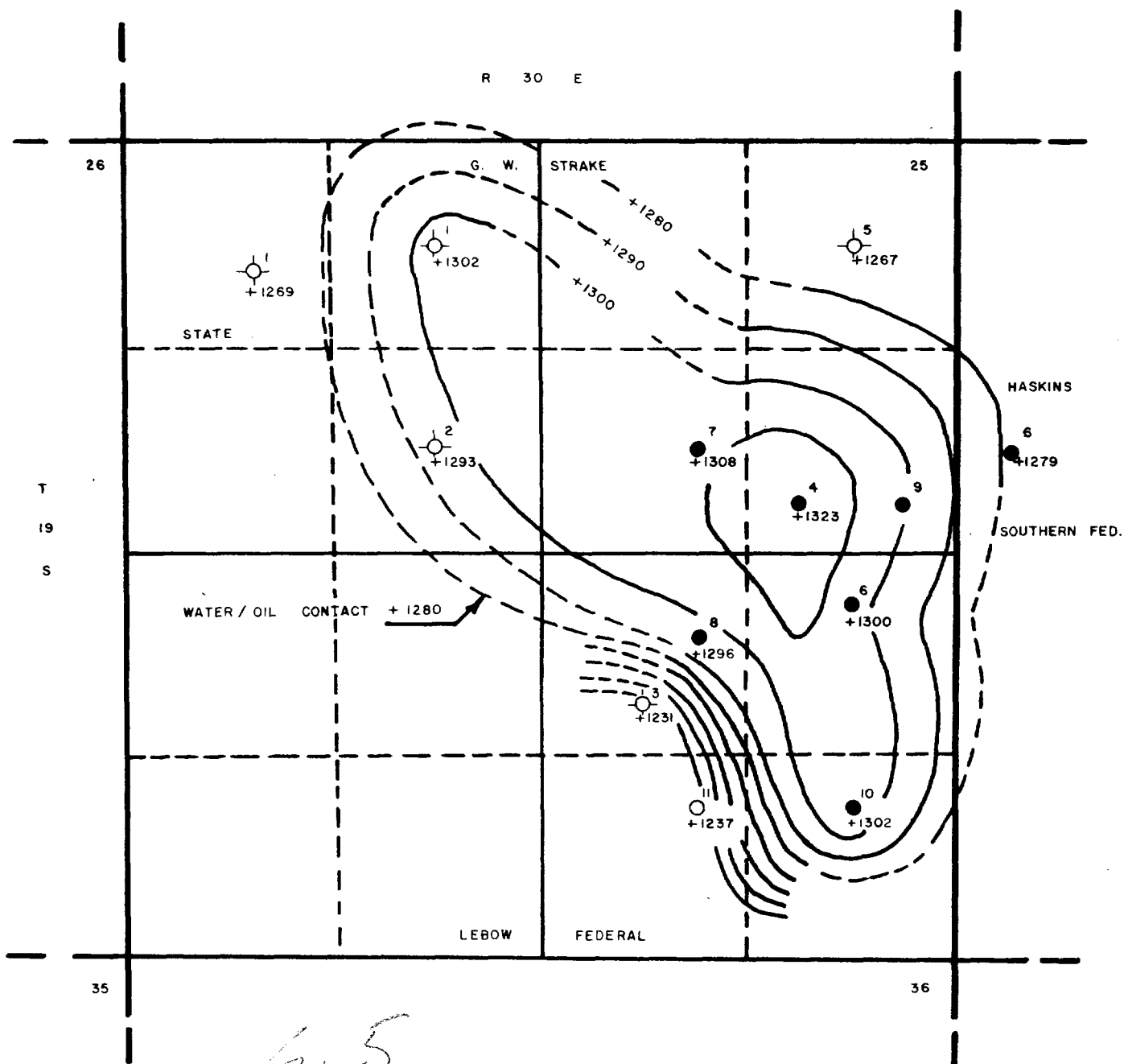
# ISOPACHOUS MAP

NET PRODUCTIVE INTERVAL - YATES SAND  
G. W. STRAKE - LEBOW FEDERAL LEASE

EDDY CO., N. M.

SCALE 1" = 1,000 FT.

CONTOUR INTERVAL 5 FT.



45  
2501

STRUCTURE MAP

TOP OF SEVEN RIVERS — CAPITAN

G. W. STRAKE — LEBOW FEDERAL LEASE

EDDY CO., N. M.

SCALE 1" = 1,000 FT

CONTOUR INTERVAL 10 FT.

## WELL DATA COMPARISON

G. W. STRAKE - LEBOW-FEDERAL LEASE

EDDY COUNTY, NEW MEXICO

| WELL<br>NUMBER | PRODUCING FORMATION    | DATE    | HOURS | OIL | WATER | PRODUCTION TEST  |                    |                    | REMARKS | BOTTOM HOLE<br>PRESSURE, PSIG.  | OIL<br>GRAVITY<br>API |
|----------------|------------------------|---------|-------|-----|-------|------------------|--------------------|--------------------|---------|---------------------------------|-----------------------|
|                |                        |         |       |     |       | GAS-OIL<br>RATIO | TUBING<br>PRESSURE | CASING<br>PRESSURE |         |                                 |                       |
| 4              | Seven Rivers - Capitan | 2-14-62 | 24    | 85  | 28    | 0*               | -                  | -                  | Pumping | 731 (11-23-61)<br>576 (2-10-62) | 18.4                  |
| 7              | Seven Rivers - Capitan | 2-8-62  | 24    | 42  | 4     | 0*               | -                  | -                  | Pumping |                                 |                       |
| 6              | Yates Sand             | 2-14-62 | 24    | 64  | 0     | 628              | 100 psig           | 500 psig           | Flowing | 410 (2-10-62)                   | 30.7                  |
| 8              | Yates Sand             | 2-7-62  | 24    | 44  | 0     | 490              | -                  | -                  | Pumping |                                 |                       |
| 9              | Yates Sand             | 2-16-62 | 24    | 65  | 0     | 1004             | 100 psig           | 400 psig           | Flowing | 491 (2-10-62)                   |                       |
| 10             | Yates Sand             | 1-15-62 | 24    | 61  | 0     | 750              | 40 psig            | 400 psig           | Flowing |                                 |                       |

\* Gas volume too small to measure

3146  
250

PARTIAL CRUDE OIL ANALYSIS

LEBOW FEDERAL LEASE

EDDY COUNTY, NEW MEXICO

|                             | <u>SEVEN RIVERS<br/>CRUDE</u> | <u>YATES<br/>CRUDE</u> |
|-----------------------------|-------------------------------|------------------------|
| Gravity, °API               | 18.1                          | 31.4                   |
| Sulphur, Percent            | 1.75                          | 1.20                   |
| Viscosity at 100°F, Cp.     | 597                           | 69                     |
| Color on Third Dilution     | 5.5                           | 3.5 <i>comp.</i>       |
| Temperature at 10% Over, °F | 420                           | 396                    |
| 20%                         | 540                           | 450                    |
| 30%                         | 620                           | 482                    |
| 40%                         | 636 (Cracking Point)          | 566                    |
| 50%                         |                               | 644                    |
| 56%                         |                               | 680 (Cracking Point)   |

*2.501*

G. W. STRAKE

Statement of Crude Oil Runs from G. W. Strake-LeBow - Federal Lease,  
Eddy County, New Mexico, as per Run Tickets from The Permian Corporation.

| <u>Date</u>                     | <u>Ticket<br/>Number</u> | <u>Tank<br/>Number</u> | <u>Gravity</u> | <u>Barrels</u>  |
|---------------------------------|--------------------------|------------------------|----------------|-----------------|
| <u>Hackberry (Seven Rivers)</u> |                          |                        |                |                 |
| 11-9-61                         | 208366                   | Test                   | 19.3           | 310.51          |
| 11-17-61                        | 208425                   | Test                   | 21.0           | 157.64          |
| 11-26-61                        | 227518                   | Test                   | 23.1           | 153.90          |
| 11-29-61                        | 227017                   | Test                   | 23.4           | 156.26          |
| 12-4-61                         | 437331                   | Test                   | 18.4 -         | 155.76          |
| 1-2-62                          | 436892                   | 33811                  | 24.0 +         | 300.26          |
| 1-8-62                          | 436871                   | 33812                  | 20.4           | 311.88          |
| 1-16-62                         | 228125                   | 33811                  | 22.9           | 462.57          |
| 1-17-62                         | 436410                   | 33812                  | 22.9           | 306.47          |
| 1-31-62                         | 208849                   | 33812                  | 20.9           | <u>463.29</u>   |
|                                 |                          |                        |                | <u>2,778.54</u> |
| <u>North Hackberry (Yates)</u>  |                          |                        |                |                 |
| 12-19-61                        | 208312                   | 33810                  | 30.7           | 310.01          |
| 12-20-61                        | 227159                   | 33810                  | 30.7           | 156.59          |
| 12-22-61                        | 187726                   | 33809                  | 30.2           | 468.65          |
| 1-2-62                          | 436891                   | 33809                  | 31.5           | 469.30          |
| 1-4-62                          | 228105                   | 33810                  | 31.7           | 311.31          |
| 1-7-62                          | 437500                   | 33810                  | 30.7           | 310.55          |
| 1-13-62                         | 436571                   | 33810                  | 31.2           | 457.92          |
| 1-23-62                         | 437316                   | 33809                  | 31.7           | 156.53          |
| 1-23-62                         | 437318                   | 33810                  | 31.7           | 468.28          |
| 1-26-62                         | 184753                   | 33809                  | 32.1           | <u>433.81</u>   |
|                                 |                          |                        |                | <u>3,542.95</u> |

2501-2075

Case No.

2501

Card - Exhibits

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# STRUCTURE CONTOUR MAP

SOUTH BENSON - NORTH HACKBERRY AREA  
EDDY COUNTY, NEW MEXICO

Datum: Top Yates Sand

C. I. 251

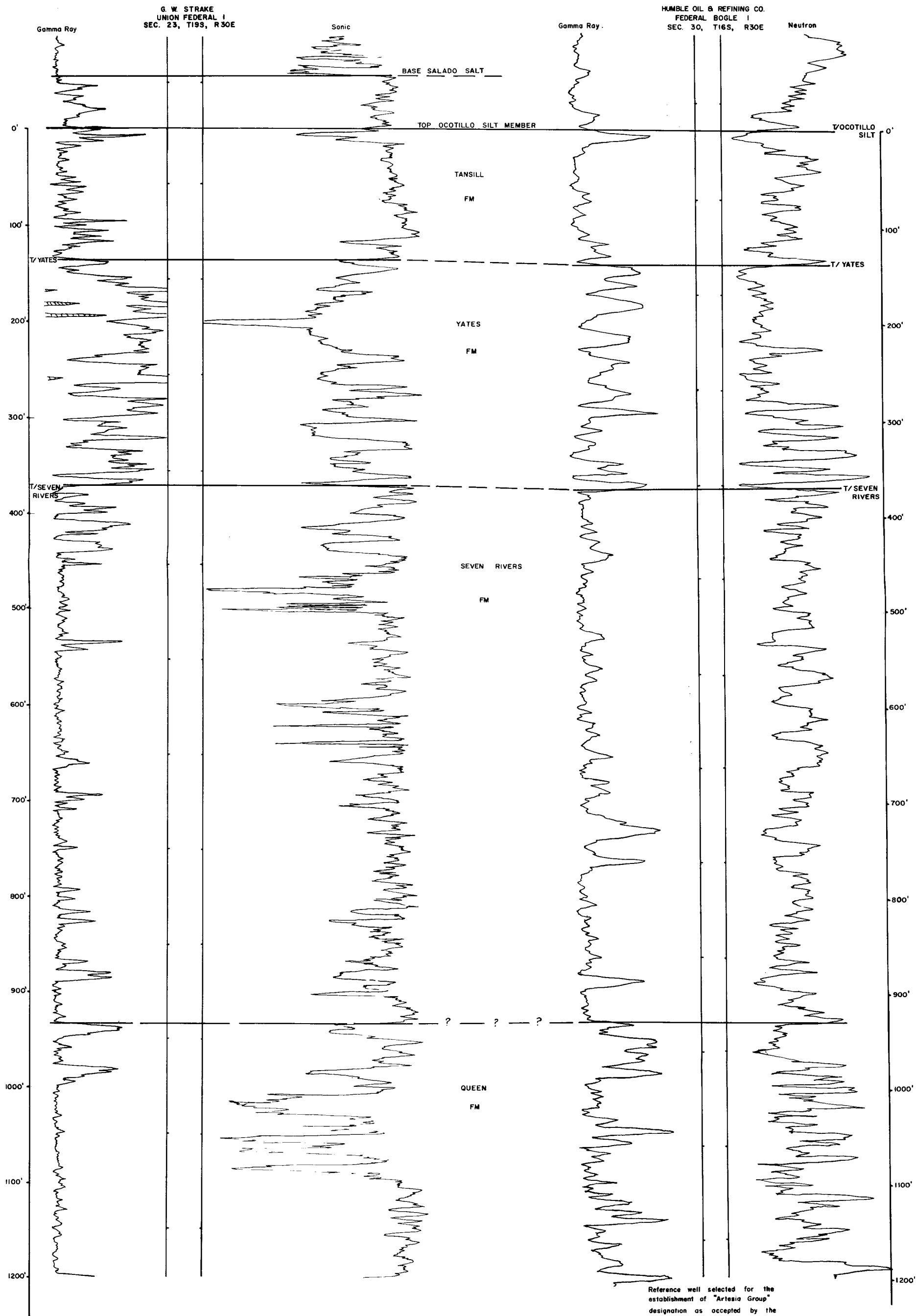
Scale: 1" = 2000'

Prepared for Examiner's Hearing

by: J. E. Davis

Feb. 23, 1962

- Subject Wells

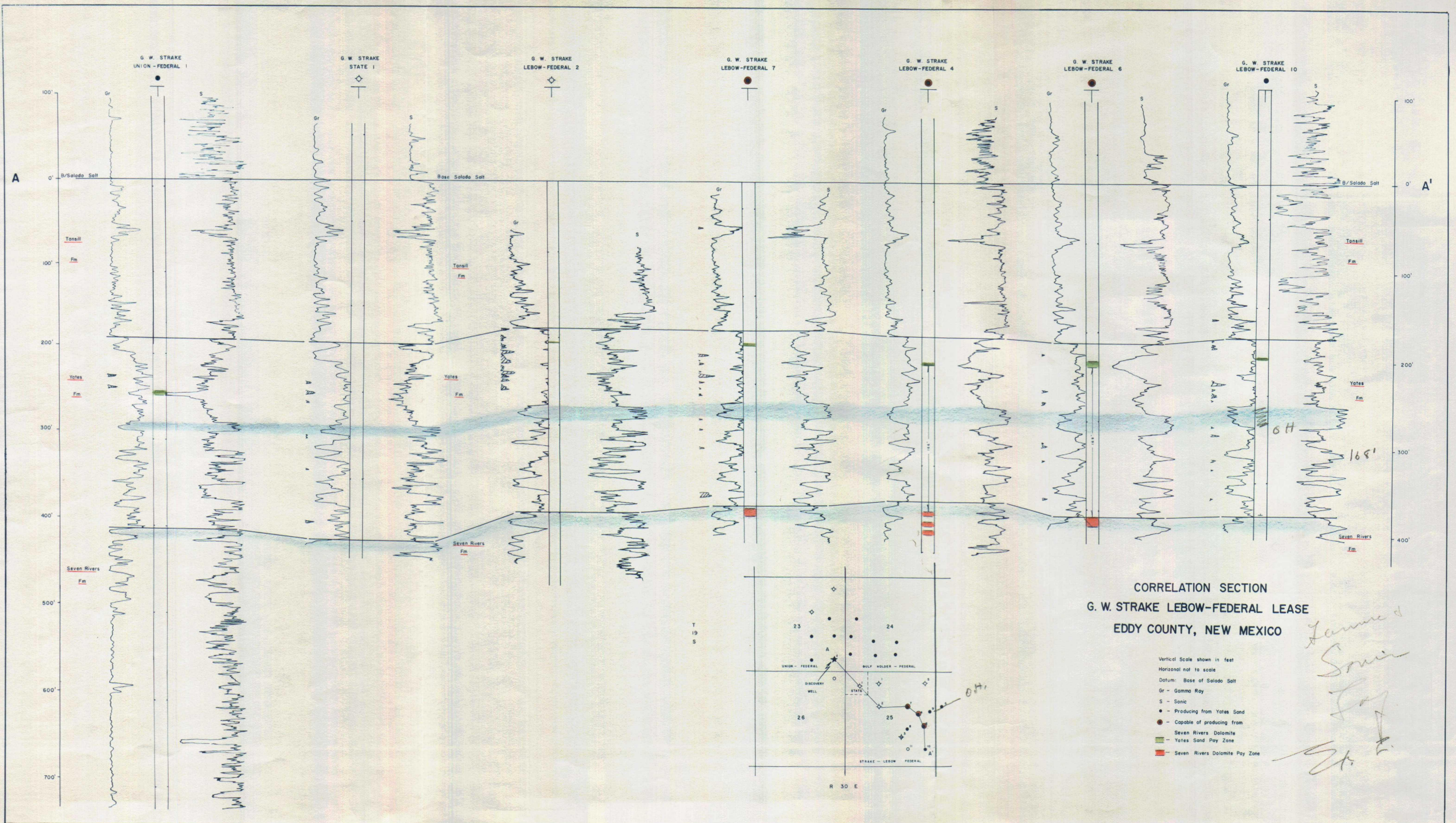


### CORRELATION SECTION

Prepared for Examiners Hearing  
Feb. 27, 1962 Case 2501

Scale: Vertical as shown in feet  
Horizontal not to scale

Geol: John E. Davis



**CORRELATION SECTION**  
**G. W. STRAKE LEBOW-FEDERAL LEASE**  
**EDDY COUNTY, NEW MEXICO**

*James  
 Smith  
 Log  
 G. W. Strake*