

TIDEWATER OIL COMPANY #1 COCHRAN NE NE SW Sec. 10-27S-15W, Pratt County, Kansas

Elevation: 2043'

8" - 326'

|               | <u>Tops</u> |        |                  |
|---------------|-------------|--------|------------------|
| Heebner       | 3775        | -1732  |                  |
| Toranto       | 3800        | -1757  |                  |
| Lansing       | 3955        | -1912  |                  |
| Cherokee      | 4332        | -2289  |                  |
| Cherokee Sand | 4391½       | -2348½ | Good show of oil |
|               | 4401½       | -2358½ |                  |
| Mississippi   | 4430        | -2387  |                  |
| Total Depth   | 4440        |        |                  |

5" - 4439'

Cherokee Sand Core Analysis by CORE LOGGING, INC., Oklahoma City, Okla.

| <u>DEPTH</u> | <u>PERMEABILITY</u> | <u>POROSITY</u> | <u>OIL SATURATION</u> | <u>WATER SATURATION</u> |
|--------------|---------------------|-----------------|-----------------------|-------------------------|
| 4390-4391    | .1%                 | 6.0%            | 0.0%                  | 85.0%                   |
| 4391- 92     | 7.5                 | 9.3             | 14.0                  | 65.8                    |
| 4392- 93     | 5.2                 | 11.6            | 13.8                  | 48.2                    |
| 4393- 94     | 40.0                | 12.7            | 9.5                   | 38.6                    |
| 4394- 95     | 33.0                | 18.3            | 9.3                   | 25.2                    |
| 4395- 96     | 85.0                | 17.8            | 11.3                  | 42.2                    |
| 4396- 97     | .8                  | 15.1            | 34.4                  | 51.8                    |
| 4397- 98     | .6                  | 6.6             | 11.2                  | 79.0                    |
| 4398- 99     | 2.6                 | 9.4             | 3.0                   | 84.2                    |
| 4399-4400    | .8                  | 7.7             | 0.0                   | 84.7                    |
| 4400- 01     | 1.5                 | 8.8             | 3.4                   | 74.0                    |

RECOVERY ESTIMATE \* CORE LOGGING, INC.

|                    |                           |
|--------------------|---------------------------|
| Internal Gas Drive | 103 barrels per acre foot |
| Sweet Water Drive  | 267 barrels per acre foot |

Well producing 1½ to 2 M.C.F.G. with 1/2 load oil still in well. Last day recovered 4 barrels load oil with well wide open.

Perforated 4392 to 4396 with 16 jet shots. Tested 549,000 cu. ft. of gas. Hydra-fac with 4000 pounds sand in 4000 gallons oil. Treated good according to Mert with Dowell. 2000 M.C.F.G. 1400# S.I. Pressure.

Tidewater hate to pull well down as it will hurt other wells in the area. Have contacted Panhandle Eastern and can't buck line pressure of 600 to 900 pounds and deliver any quantity of gas. Would necessitate laying two miles of gas line.

Well shut in now (1/15/57). May drill another well in area. No other shows.