

Operator Name Martin Oil Properties Lease Name Gillespie Well # 2

Sec. 19 Twp. 14 Rge. 22 East West County Johnson

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail oil cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name Top Bottom

Attached

Attached

| CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used | | | | | | | |
|---|---|--|----------------|---|----------------|-------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs/Ft. | Setting Depth | Type of Cement | #Sacks Used | Type and Percent Additives |
| Completion | 5 1/8 | 2 7/8 | | 901.0' | Portland | 98 | 2% Gel |
| Surface | 6 5/8 | 6 1/4 | | 40.0' | Portland | | 2% Gel |
| PERFORATION RECORD | | | | Acid, Fracture, Shot, Cement Squeeze Record | | | |
| Shots Per Foot | Specify Footage of Each Interval Perforated | | | (Amount and Kind of Material Used) | | Depth | |
| 1 | 834.0' to 835.0' | | | 50 Gal. Acid Spot | | | |
| 3 | 836.0' to 839.0' | | | 80 bbl. Oil Frac. | | | |
| | | | | 20 Sacks Sand | | | |
| TUBING RECORD | | | | | | | |
| | Size | Set At | Packer at | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| | 2 7/8 | 901.0' | | | | | |
| Date of First Production | | Producing Method | | | | | |
| 8/26/88 | | <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)..... | | | | | |
| Estimated Production Per 24 Hours | | Oil | Gas | Water | Gas-Oil Ratio | Gravity | |
| 20 | | | | | | | |
| | | Bbls | MCF | Bbls | CFPB | | |

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Valve Expanding
 Sold Other (Specify)
 Used on Lease Daily Completed
 Commingled

19-14-22E

LOG

Company Martin Oil Properties & Robert S. Lease Gillespie Well No. 2
Harwell/Joint Venture

BARTLESVILLE SANDSTONE

| <u>Depth Interval, Feet</u> | <u>Description</u> |
|---------------------------------|---|
| 839.0 - 842.0 | Sandstone, dark brown. |
| 842.0 - 844.6 | Sandstone, dark brown with widely scattered shale partings. |
| 844.6 - 845.2 | Sandstone, dark brown with scattered shale partings. |
| 845.2 - 846.7 | Shale and sandstone, gray and light gray, laminated. |
| 846.7 - 847.3 | Sandstone and shale, brown and gray, laminated. |

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Martin Oil Properties & Robert S. Harwell/ Lease Gillespie Well No. 2
 Joint Venture

| Sample No. | Depth, Feet | Porosity Percent | Percent Saturation | | | Oil Content Bbls. / A. Ft. | Permeability, Millidarcys |
|------------|-------------|------------------|--------------------|-------|-------|----------------------------|---------------------------|
| | | | Oil | Water | Total | | |
| 1 | 839.5 | 28.9 | 70 | 6 | 76 | 1569 | 1168. |
| 2 | 840.5 | 21.2 | 83 | 10 | 93 | 1365 | 301. |
| 3 | 841.5 | 25.1 | 66 | 12 | 78 | 1285 | 486. |
| 4 | 842.5 | 19.7 | 52 | 34 | 86 | 795 | 80. |
| 5 | 843.5 | 19.0 | 82 | 9 | 91 | 1209 | 64. |
| 6 | 844.5 | 23.9 | 69 | 10 | 79 | 1279 | 512. |

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