

15-187-20377

14-30-41W

Jim D. Crawford

PETROLEUM GEOLOGIST

2307 RIPPLE CREEK LANE

EDMOND, OKLAHOMA 73034

OFFICE: 405-239-7581

RES: 405-341-3163

WELL DATA

Operator: Berexco, Inc.

Well Name: NAOMI #1

Location: 1700' FSL & 600' FWL, Sec. 14-30S-41W

County & State: Stanton County, Kansas

Elevation: GL 3365' KB 3378'

Spud Date: 11-22-84

Completed Drilling: 12-7-84

Total Depth: RTD 5550' LTD 5547'

Surface Casing: 8 5/8" @ 1558'

Contractor: Beredco Rig 1

Rig Supervisor: Jim Maloney

Mud Co: David Mud & Chemical, Engineer: Jerry Dreiling

Mud Logging: Bryant Well Logging, Logger: Steve Bryant

Open Hole Logs: Schlumberger

Geologist: Jim Crawford

FORMATION TOPS

| <u>Formation</u> | <u>Depth</u> | <u>Subsea</u> |
|-------------------|--------------|---------------|
| Heebner | 3620 | - 242 |
| Toronto | 3639 | - 261 |
| Lansing | 3720 | - 342 |
| Marmaton | 4270 | - 892 |
| Cherokee | 4478 | -1100 |
| Morrow Shale | 4944 | -1566 |
| Lower Morrow Sand | 5299 | -1921 |
| Keyes Sand | 5360 | -1982 |
| Chester | 5415 | -2037 |
| St. Genevieve | 5430 | -2052 |
| St. Louis | 5497 | -2119 |

BIT RECORD

| <u>Bit No.</u> | <u>Size</u> | <u>Type</u> | <u>From</u> | <u>To</u> |
|----------------|-------------|-------------|-------------|-----------|
| 1 | 12 1/4" | SDS | 20 | 1148 |
| 2 | 12 1/4" | S-84 | 1148 | 1560 |
| 3 | 7 7/8" | FP-52(RB) | 1560 | 2646 |
| 4 | 7 7/8" | F-3 | 2646 | 5038 |
| 5 | 7 7/8" | F-3(RB) | 5038 | 5402 |
| 6 | 7 7/8" | FP53-J(RB) | 5402 | 5550 |

LOGGING RECORD

| <u>Type</u> | <u>From</u> | <u>To</u> | <u>Run No.</u> | <u>Company</u> |
|-------------|-------------|-----------|----------------|----------------|
| DIL/GR | 5544 | 1560 | 1 | Schlumberger |
| LDT/GNT | 5547 | 3500 | 1 | Schlumberger |

DST #1

5348' - 5377' Packer Failure

DST #2

5314' - 5402'

| | | |
|------------------|----------|--|
| IHP 2711' | | Strong blow with G.T.S. in 3 min. |
| IFP 918' - 1000' | 30 min. | Recovery: 90' oil |
| ISIP 1327' | 60 min. | 90' mud cut oil |
| FFP 967' - 1000' | 30 min. | <u>270'</u> oil cut mud |
| | | 450' Total Fluid |
| FSIP 1327' | 120 min. | Misting oil 30 min. into final flow period |
| FHP 2549' | | Gas gauged at 4946' MCFPD 30 min. into final flow period |

DST #3

5404' - 5419'

| | | |
|------------------|----------|---|
| IHP 2743' | | Weak blow increasing to strong |
| IFP 164' - 426' | 30 min. | G.T.S. 8 min. into initial flow period |
| ISIP 1327' | 60 min. | Flowed oil 76 min. into final flow period |
| FFP 525' - 1016' | 85 min. | Recovery: 3920' gas cut oil |
| FSIP 1327' | 170 min. | 270' mud & gas cut oil |
| FHP 2646' | | <u>90'</u> oil & gas cut mud |
| | | 4280' Total Fluid |
| | | Unloaded approx. 1110' oil & gas during final flow and final shut-in period |