

15-153-20729-00-00

SIDE TWO

~~15-153-20780-00-00~~

Operator Name Frontier Oil Company Lease Name..... Ruda Well #..... 1

RELEASED

Sec..... 34 Twp..... 1 Rge..... 24W East West

County..... Rawlins MAR 07 1990

CONFIDENTIAL

WELL LOG

FROM CONFIDENTIAL

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all 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. No Log run

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

Formation Description
 Log Sample

DST #1 (4132-80) 60-30-60-30 Rec. 186' M, 620' MW
 IF 107-333 FF 392-476 ISIP 1422 FSIP 1410

| Name | Top | Bottom |
|---------------------|------|--------|
| Anhydrite | 2948 | + 139 |
| Topeka | 3774 | - 687 |
| Oread | 3962 | - 875 |
| Heebner | 3986 | - 899 |
| Douglas Shale | 4002 | - 915 |
| Lansing-Kansas City | 4050 | - 963 |
| Base of Kansas City | 4310 | -1223 |
| RTD | 4313 | -1226 |

CASING RECORD New 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 |
|-------------------|-------------------|---------------------------|----------------|---------------|----------------|-------------|----------------------------|
| Surface | 12 1/4" | 8 5/8" | 20 1/2 | 274 | 60-40 poz | 175 | 2% gel, 3% CC |

PERFORATION RECORD
 Shots Per Foot | Specify Footage of Each Interval Perforated
 N/A

Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used) | Depth

| | | | |
|-------|-------|-------|-------|
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD Size Set At Packer at Liner Run Yes No

Date of First Production | Producing Method
 N/A Flowing Pumping Gas Lift Other (explain).....

| Estimated Production Per 24 Hours | Oil Bbls | Gas MCF | Water Bbls | Gas-Oil Ratio | Gravity |
|-----------------------------------|----------|---------|------------|---------------|---------|
| N/A | | | | | |

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Conmingled