



00261359

WELL REPORT

PETERSON ENERGY (ENTENTE)
East Redlion State 16-11-1

NE/SW Section 16
T10N - R47W
Sedgewick County, Colorado

WELL DATA

OPERATOR: Peterson Energy Management, Inc. (ENTENTE)

WELL NAME: East Redlion State 16-11-1

FIELD: Wildcat

LOCATION: NE/SW Sec. 16 T10N - R47W (1953' FSL; 1624' FWL)
Sedgwick Co.. Colorado

ELEVATION: 3993' G.R.; 4001' K.B.

SPUD DATE: 11/18/95

COMPLETION DATE: 11/21/95

TOTAL DEPTH: 3990' Driller; 3982' Logger

COMPANY REPRESENTATIVE: James J. Rubow; C. Dean Lausten

DRILLING CONTRACTOR: Ashby Drilling Company Rig #1

TOOLPUSHER: Tim Jones

MUD COMPANY: Dunning Drilling Services, Loveland, CO

SAMPLE PROGRAM: 30' samples from Niobrara to "D"; 10' samples thru "D" to
T.D.

ELECTRIC LOGS: Schlumberger: DIL- 409' to 3972'; COMP NEU/DEN- 2900'
to 3980'; BHC SONIC- 409' to 3970'
Engineer: Ian Henkes, Fort Morgan, CO

CORES/TESTS: 1 DST of "D"(3556'-3884') attempted; misrun (tool plugged).
No Cores.

HOLE SIZE: 7 7/8" - SCP to T.D.

CASING PROGRAM: Ran 415' of 32#, 8 5/8" Surface Casing set at 408' KB w/2
bbls cement circulated to surface.

WELL STATUS: Plugged and Abandoned on November 21, 1995

DAILY DRILLING CHRONOLOGY

| <u>DATE</u> | <u>DRILLER'S DEPTH</u> | <u>RIG ACTIVITY</u> |
|-------------|------------------------|---|
| 11/18/95 | | MIRT |
| 11/19/95 | 408' | Drlg Surf Hole, Set Surf Casing, WOC. |
| 11/20/95 | 3031' | Drlg Ahead. Short Trip for Boot in Pierre. |
| 11/21/95 | 3990' | Drlg Ahead, Add polymer, Mud-Up, T.D. Prep for Logs/DST. |

BIT RECORD

| <u>NO.</u> | <u>SIZE</u> | <u>MAKE</u> | <u>TYPE</u> | <u>DEPTH OUT</u> |
|------------|-------------|-------------|-------------|------------------|
| 1 | 12 1/4" | SMITH | RR | 409' |
| 2 | 7 7/8" | REED | D3203 (New) | 3990' (T.D.) |

ZONES OF FLUID LOSS

| | | |
|-------------|---|--------------------|
| 3881' | - | Lost 100 bbls mud. |
| 3935' | - | Lost 60 bbls mud. |
| 3990'(T.D.) | - | Lost Circulation. |

LOG FORMATION TOPS

K.B. Elevation: 4001' (Quaternary Eolian Sand/Ogallala Fm, at surface.)

| <u>FORMATION</u> | <u>DEPTH</u> | <u>DATUM: Sea Level</u> |
|----------------------|--------------|-------------------------|
| Niobrara Shale | 3144' | (+857) |
| Codell Sandstone | 3454' | (+547) |
| "X" Bentonite Marker | 3735' | (+246) |
| "D" Sandstone | 3845' | (+156) |
| Huntsman Shale | 3898' | (+103) |
| "J" Formation | 3936' | (+ 65) |
| Total Depth | 3982' | |

SAMPLE DESCRIPTION SUMMARY
(Depths Adjusted To E-Log)

Sample Quality: Good

"D"1 SANDSTONE [3845' - 3860']: Sandstone (30%), white-light grey, very fine grain, sub-angular to sub-rounded, salt and pepper, glauconitic in part, clay-filled, tite, No Cut or Fluorescence, No Show. Shale, dark grey, occasional aragonite bundles and pyrite.

D"2 SANDSTONE [3867' - 3898']: Sandstone (50%), unconsolidated grains, white-clear, fine to medium grain, rounded, occasional pink feldspar grains, medium grain, well-rounded, No Cut or Fluorescence, No Show. Shale, aragonite and pyrite as above.

GEOLOGIC SUMMARY

The East Redlion State 16-11-1 was structurally low to prognosis, but high to the Lyle E. Johnson #2 Ham, a producing gas well in Redlion Field to the west. The channel point bar sand in the base of the "D"1 was not developed. There was 6' of very good porosity (23% avg.) in the top of the "D"2 Sandstone. This zone appeared wet on the logs and there were no shows of hydrocarbons, however a DST of this porosity was attempted due to a 100 bbl drilling fluid loss in the zone. The DST was a misrun. A re-test was not attempted.



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