



DRILL STEM TEST REPORT

Prepared For: **Hutchinson Oil CO**

PO Box 521
Derby KS 67037-0521

ATTN: Bob Stozle

16-18S-24W Ness KS

Stenzel 1-16

Start Date: 2001.06.26 @ 02:34:31

End Date: 2001.06.26 @ 07:55:31

Job Ticket #: 13732 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Hutchinson Oil CO

Stenzel 1-16

16-18S-24W Ness KS

DST # 1

Cherokee SS

2001.06.26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hutchinson Oil CO
PO Box 521
Derby KS 67037-0521
ATTN: Bob Stozle

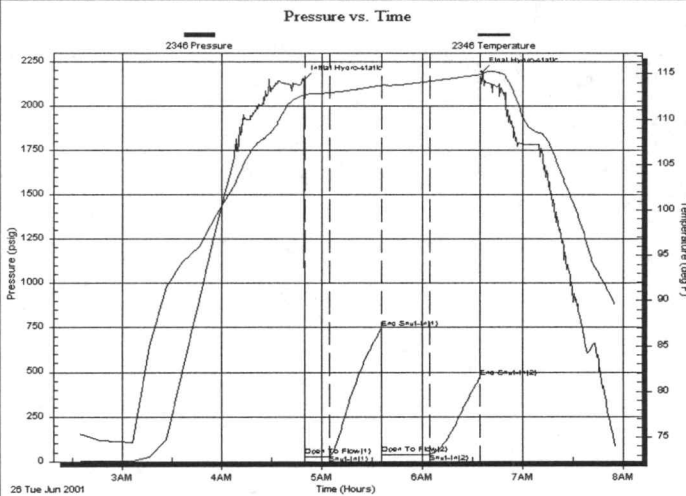
Stenzel 1-16
16-18S-24W Ness KS
Job Ticket: 13732 **DST#: 1**
Test Start: 2001.06.26 @ 02:34:31

GENERAL INFORMATION:

Formation: **Cherokee SS**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:49:46
Time Test Ended: 07:55:31
Interval: **4268.00 ft (KB) To 4325.00 ft (KB) (TVD)**
Total Depth: 4325.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Allan Moodie
Unit No: 15
Reference Elevations: 2293.00 ft (KB)
2285.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 2346 **Inside**
Press@RunDepth: 37.52 psig @ 4306.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2001.06.26 End Date: 2001.06.26 Last Calib.: 2001.01.27
Start Time: 02:34:36 End Time: 07:55:30 Time On Btm: 2001.06.26 @ 04:49:16
Time Off Btm: 2001.06.26 @ 06:35:31

TEST COMMENT: IF- very weak blow half inch in bucket died off in 6 min
FF- no blow



PRESSURE SUMMARY

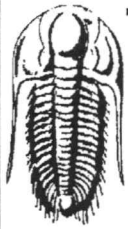
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2145.54 | 112.67 | Initial Hydro-static |
| 1 | 26.88 | 112.68 | Open To Flow (1) |
| 16 | 28.91 | 112.92 | Shut-In(1) |
| 47 | 742.64 | 113.72 | End Shut-In(1) |
| 47 | 36.54 | 113.72 | Open To Flow (2) |
| 76 | 37.52 | 114.17 | Shut-In(2) |
| 106 | 467.62 | 114.90 | End Shut-In(2) |
| 107 | 2190.19 | 114.96 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------|--------------|
| 5.00 | mud with 2" oil on top | 0.00 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



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TOOL DIAGRAM

Hutchinson Oil CO
PO Box 521
Derby KS 67037-0521
ATTN: Bob Stozle

Stenzel 1-16
16-18S-24W Ness KS
Job Ticket: 13732 **DST#: 1**
Test Start: 2001.06.26 @ 02:34:31

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4253.00 ft | Diameter: 4.50 inches | Volume: 83.66 bbl | Tool Weight: 1800.00 lb |
| Heavy Wt. Pipe: | Length: 9.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 55000.00 lb |
| | | | <u>Total Volume: 83.66 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 21.00 ft | | | String Weight: Initial 45000.00 lb |
| Depth to Top Packer: | 4268.00 ft | | | Final 50000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 58.00 ft | | | |
| Tool Length: | 85.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|------------------------------------|
| C.O. Sub | 1.00 | | | 4242.00 | |
| S.I. Tool | 5.00 | | | 4247.00 | |
| HMV | 5.00 | | | 4252.00 | |
| Jars | 5.00 | | | 4257.00 | |
| Safety Joint | 2.00 | | | 4259.00 | |
| Packer | 4.00 | | | 4263.00 | 27.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4268.00 | |
| Stubb | 1.00 | | | 4269.00 | |
| Perforations | 3.00 | | | 4272.00 | |
| C.O. Sub | 1.00 | | | 4273.00 | |
| Blank Spacing | 32.00 | | | 4305.00 | |
| C.O. Sub | 1.00 | | | 4306.00 | |
| Recorder | 0.00 | 2346 | Inside | 4306.00 | |
| Perforations | 15.00 | | | 4321.00 | |
| Recorder | 0.00 | 11057 | Outside | 4321.00 | |
| Bullnose | 5.00 | | | 4326.00 | 58.00 Bottom Packers & Anchor |
| Total Tool Length: | 85.00 | | | | |



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FLUID SUMMARY

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Stenzel 1-16
16-18S-24W Ness KS
Job Ticket: 13732 **DST#: 1**
Test Start: 2001.06.26 @ 02:34:31

Mud and Cushion Information

| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 10.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 11.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 9.59 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------------|---------------|
| 5.00 | mud with 2" oil on top | 0.000 |

Total Length: 5.00 ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 2346

Inside

Hutchinson Oil CO

16-18S-24W Ness KS

DST Test Number: 1

Pressure vs. Time

