

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

PO Box 780208
Wichita Ks 67278-0208

ATTN: Corey Baker

29 26s 20w

Leith B 2-29

Start Date: 2002.12.02 @ 23:39:44

End Date: 2002.12.03 @ 09:21:59

Job Ticket #: 16592 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

McCoy Petroleum Corp.

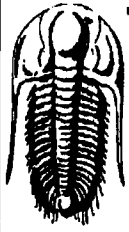
Leith B 2-29

29 26s 20w

DST # 1

Miss

2002.12.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Petroleum Corp.

Leith B 2-29

PO Box 780208
Wichita Ks 67278-0208

29 26s 20w

Job Ticket: 16592

DST#: 1

ATTN: Corey Baker

Test Start: 2002.12.02 @ 23:39:44

GENERAL INFORMATION:

Formation: **Miss**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 02:56:44

Time Test Ended: 09:21:59

Test Type: **Conventional Bottom Hole**

Tester: **Wenrich**

Unit No: **14**

Interval: **4787.00 ft (KB) To 4797.00 ft (KB) (TVD)**

Reference Elevations: **2268.00 ft (KB)**

Total Depth: **4797.00 ft (KB) (TVD)**

2259.00 ft (CF)

Hole Diameter: **7.79 inches** Hole Condition: **Fair**

KB to GR/CF: **9.00 ft**

Serial #: 3310 Inside

Press@RunDepth: **126.60 psig @ 4788.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2002.12.02**

End Date:

2002.12.03

Last Calib.: **1899.12.30**

Start Time: **23:39:49**

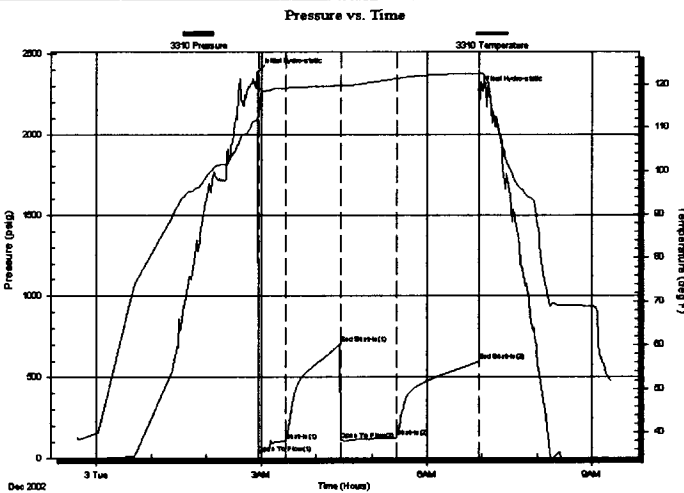
End Time:

09:21:59

Time On Btrrc: **2002.12.03 @ 02:56:14**

Time Off Btrrc: **2002.12.03 @ 06:56:59**

TEST COMMENT: **F:Strong blow .BOB in 12 mins.
IS:No blow .
FF:Strong blow .BOB in 12 mins.
FS:No blow .**



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2388.26 | 112.27 | Initial Hydro-static |
| 1 | 28.43 | 112.56 | Open To Flow (1) |
| 31 | 106.09 | 119.15 | Shut-in(1) |
| 90 | 703.71 | 119.68 | End Shut-in(1) |
| 91 | 114.33 | 119.83 | Open To Flow (2) |
| 151 | 126.60 | 121.28 | Shut-in(2) |
| 241 | 595.02 | 122.45 | End Shut-in(2) |
| 241 | 2277.07 | 122.56 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 120.00 | g&o 50%g 50%o | 0.59 |
| 150.00 | gcra 10%g 45%o 45%m | 0.84 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp.

Leith B 2-29

PO Box 780208
Wichita Ks 67278-0208

29 26s 20w

Job Ticket: 16592

DST#: 1

ATTN: Corey Baker

Test Start: 2002.12.02 @ 23:39:44

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4524.00 ft | Diameter: 3.08 inches | Volume: 41.69 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 247.00 ft | Diameter: 2.25 inches | Volume: 1.21 bbl | Weight to Pull Loose: lb |
| | | | <u>Total Volume: 42.90 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 6.00 ft | | | String Weight: Initial 72000.00 lb |
| Depth to Top Packer: | 4787.00 ft | | | Final lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 10.00 ft | | | |
| Tool Length: | 32.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| S.I. Tool | 5.00 | | | 4770.00 | |
| HMV | 5.00 | | | 4775.00 | |
| Safety Joint | 2.00 | | | 4777.00 | |
| Packer | 5.00 | | | 4782.00 | 22.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4787.00 | |
| Stubb | 1.00 | | | 4788.00 | |
| Recorder | 0.00 | 3310 | Inside | 4788.00 | |
| Perforations | 7.00 | | | 4795.00 | |
| Recorder | 0.00 | 10242 | Outside | 4795.00 | |
| Bullnose | 2.00 | | | 4797.00 | 10.00 Bottom Packers & Anchor |
| Total Tool Length: | 32.00 | | | | |



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DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp.

Leith B 2-29

PO Box 780208
Wichita Ks 67278-0208

29 26s 20w

Job Ticket: 16592

DST#: 1

ATTN: Corey Baker

Test Start: 2002.12.02 @ 23:39:44

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------|---------------|
| 120.00 | g&o 50%g 50%o | 0.590 |
| 150.00 | gcmo 10%g 45%o 45%m | 0.837 |

Total Length: 270.00 ft Total Volume: 1.427 bbl

Num Fluid Samples: 0

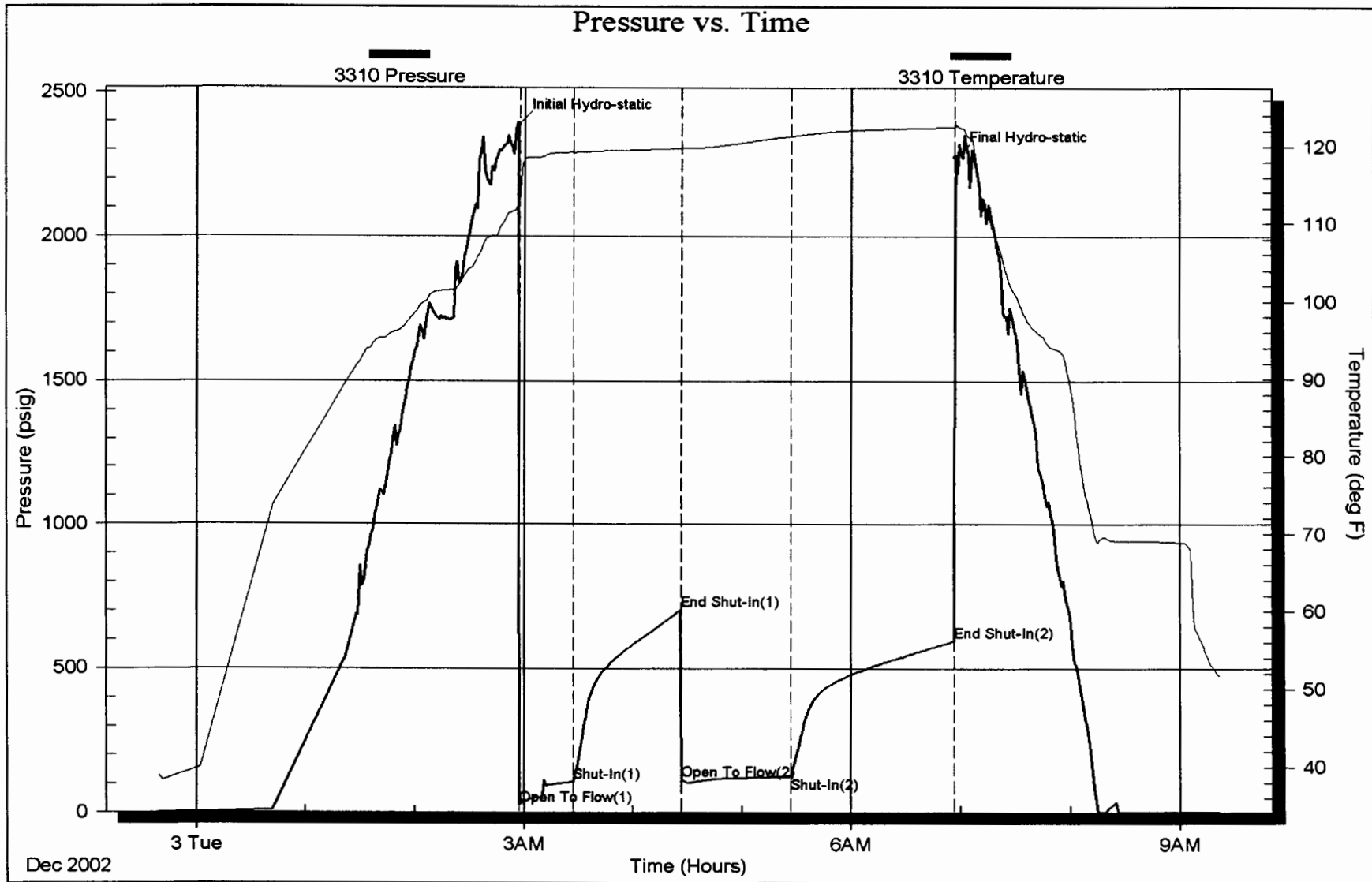
Num Gas Bombs: 0

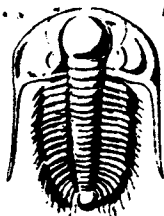
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INW# 5291

№ 16592

Test Ticket

| | | |
|---|------------------------------------|------------------------------------|
| Well Name & No. <u>Leira B 2-29</u> | Test No. <u>1</u> | Date <u>12/2/02</u> |
| Company <u>McCoy Petroleum</u> | Zone Tested <u>Miss</u> | |
| Address <u>PO Box 790208 Wichita, Ks 67278-0208</u> | Elevation <u>2268</u> | KB <u>2259</u> GL |
| Co. Rep / Geo. <u>Cory Baker</u> | Cont. <u>Sterling Daly</u> | Est. Ft. of Pay _____ Por. _____ % |
| Location: Sec. <u>29</u> | Twp. <u>26s</u> | Rge. <u>20w</u> |
| | Co. <u>EDWARDS</u> | State <u>Ks</u> |
| No. of Copies <u>5</u> | Distribution Sheet (Y, N) <u>~</u> | Turnkey (Y, N) <u>~</u> |
| | Evaluation (Y, N) <u>~</u> | |

| | | | |
|---|-------------|------------------------------------|-------------------------------------|
| Interval Tested <u>4787</u> | <u>4797</u> | Initial Str Wt./Lbs. <u>72,000</u> | Unseated Str Wt./Lbs. <u>73,000</u> |
| Anchor Length _____ | <u>10</u> | Wt. Set Lbs. <u>20,000</u> | Wt. Pulled Loose/Lbs. <u>80,000</u> |
| Top Packer Depth _____ | <u>4782</u> | Tool Weight <u>2100</u> | |
| Bottom Packer Depth _____ | <u>4787</u> | Hole Size — <u>7 7/8"</u> ✓ | Rubber Size — <u>6 3/4"</u> ✓ |
| Total Depth _____ | <u>4797</u> | Wt. Pipe Run <u>0</u> | Drill Collar Run <u>247</u> |
| Mud Wt. <u>9.1</u> LCM <u>0</u> Vis. <u>56</u> WL <u>9.6</u> | | Drill Pipe Size <u>4 1/2 X H</u> | Ft. Run <u>4524</u> |
| Blow Description <u>FF: Strong blow. B.O.B. in 12 mins. FSI: No blow.</u> | | | |
| <u>FF: Strong blow. B.O.B. in 12 mins. FSI: No blow.</u> | | | |

| | | | |
|----------------------------------|--------------------------------|----------------------|--|
| Recovery — Total Feet <u>270</u> | GIP <u>1000</u> | Ft. in DC <u>240</u> | Ft. in DP <u>30</u> |
| Rec. <u>130</u> | Feet Of <u>GLOM GOMO</u> | 10% gas 45% oil | %water 45% mud |
| Rec. <u>120</u> | Feet Of <u>O+O₂</u> | 50% gas 50% oil | %water %mud |
| Rec. _____ | Feet Of _____ | %gas %oil | %water %mud |
| Rec. _____ | Feet Of _____ | %gas %oil | %water %mud |
| Rec. _____ | Feet Of _____ | %gas %oil | %water %mud |
| BHT <u>122</u> | °F Gravity _____ | °API D@ _____ | °F Corrected Gravity _____ |
| RW _____ | @ _____ | °F Chlorides _____ | ppm Recovery Chlorides <u>4,000</u> ppm System |

| | AK-1 | Alpine | PSI Recorder No. | T-On Location |
|----------------------------------|-------------|--------|-------------------------------|-----------------------------------|
| (A) Initial Hydrostatic Mud | <u>2388</u> | | <u>3310</u> | <u>2240</u> |
| (B) First Initial Flow Pressure | <u>28</u> | | (depth) <u>4788</u> | T-Started <u>2340</u> |
| (C) First Final Flow Pressure | <u>106</u> | | PSI Recorder No. <u>10242</u> | T-Open <u>0257</u> |
| (D) Initial Shut-In Pressure | <u>703</u> | | (depth) <u>4795</u> | T-Pulled <u>0657</u> |
| (E) Second Initial Flow Pressure | <u>114</u> | | PSI Recorder No. _____ | T-Out <u>0925</u> |
| (F) Second Final Flow Pressure | <u>127</u> | | (depth) _____ | T-Off Location _____ |
| (G) Final Shut-in Pressure | <u>595</u> | | PSI Initial Opening <u>30</u> | Test <u>800</u> <u>800</u> |
| (Q) Final Hydrostatic Mud | <u>2277</u> | | PSI Initial Shut-in <u>60</u> | Jars _____ |
| | | | Final Flow <u>60</u> | Safety Joint <u>150</u> <u>50</u> |
| | | | Final Shut-in <u>90</u> | Straddle _____ |
| | | | | Circ. Sub _____ |
| | | | | Sampler _____ |
| | | | | Extra Packer _____ |
| | | | | Elec. Rec. <u>150</u> <u>150</u> |
| | | | | Mileage <u>80</u> <u>80</u> |
| | | | | Other _____ |
| | | | | TOTAL PRICE \$ <u>#1080</u> |

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Approved By Cory N. Baker
 Our Representative J. A. ...

Extra Packer _____
 Elec. Rec. 150 150
 Mileage 80 80
 Other _____
 TOTAL PRICE \$ #1080

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

