

**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

McCoy Petroleum Corporation

**Erskine "A" # 4-32**

8080 E Central STE 300  
Wichita, KS 67206

**32-31s-3w Sumner,KS**

ATTN: Robert Hendrix

Job Ticket: 41597

**DST#: 1**

Test Start: 2011.04.03 @ 20:44:00

## GENERAL INFORMATION:

Formation: **Swope-Hertha**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:24:30

Time Test Ended: 05:31:00

Test Type: Conventional Bottom Hole

Tester: Randy Williams

Unit No: 43

**Interval: 3396.00 ft (KB) To 3476.00 ft (KB) (TVD)**

Reference Elevations: 1270.00 ft (KB)

Total Depth: 3476.00 ft (KB) (TVD)

1261.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 6799 Outside**

Press @ Run Depth: 90.41 psig @ 3397.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.04.03

End Date:

2011.04.04

Last Calib.: 2011.04.04

Start Time: 20:44:05

End Time:

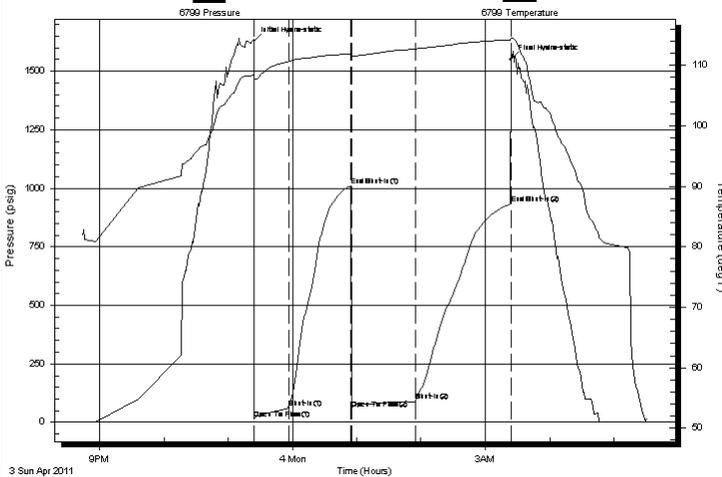
05:31:00

Time On Btm: 2011.04.03 @ 23:24:15

Time Off Btm: 2011.04.04 @ 03:24:00

**TEST COMMENT:** IO-FBB, BOB in 18 min  
IS-WSBB  
FO-SBB BOB in 2 min  
FS-NBB

Pressure vs. Time



## PRESSURE SUMMARY

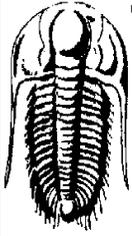
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.01	108.37	Initial Hydro-static
1	16.13	107.56	Open To Flow (1)
32	60.90	110.57	Shut-In(1)
90	1011.37	111.85	End Shut-In(1)
91	59.21	111.48	Open To Flow (2)
151	90.41	112.70	Shut-In(2)
240	935.45	114.20	End Shut-In(2)
240	1550.19	114.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
189.00	OIL SPECKED MUD	0.98
0.00	378 FT GIP	0.00

## Gas Rates

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



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**32-31s-3w Sumner,KS**

Job Ticket: 41597

**DST#: 1**

ATTN: Robert Hendrix

Test Start: 2011.04.03 @ 20:44:00

## 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:

3000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
189.00	OIL SPECKED MUD	0.975
0.00	378 FT GIP	0.000

Total Length: 189.00 ft

Total Volume: 0.975 bbl

Num Fluid Samples: 0

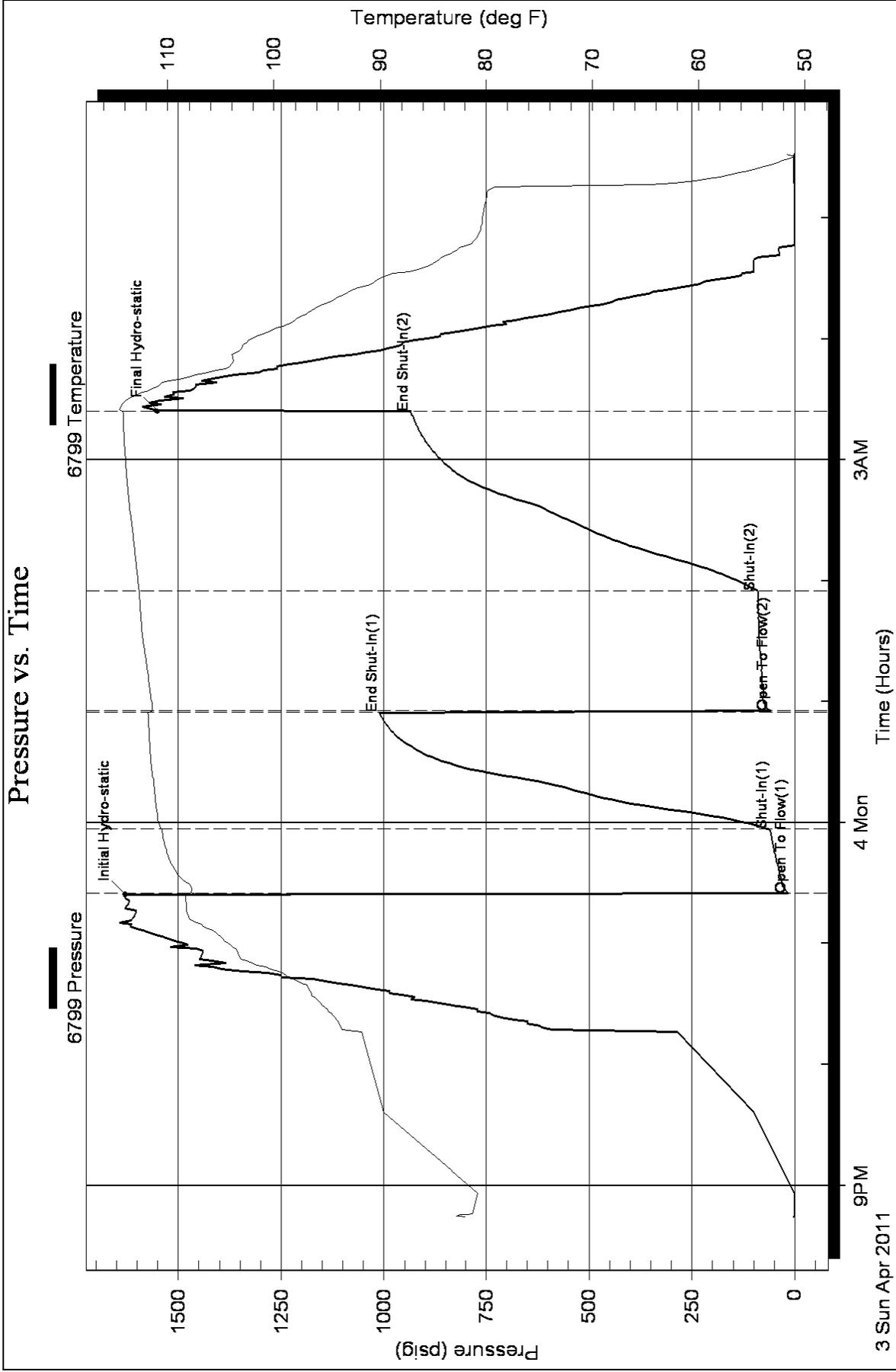
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

McCoy Petroleum Corporation  
 8080 E Central STE 300  
 Wichita, KS 67206  
 ATTN: Robert Hendrix

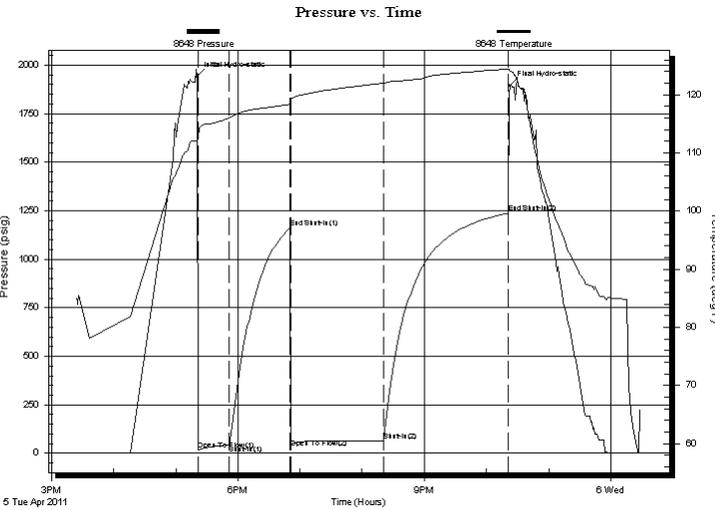
**Erskine "A" # 4-32**  
**32-31s-3w Sumner,KS**  
 Job Ticket: 41598 **DST#: 2**  
 Test Start: 2011.04.05 @ 15:24:13

## GENERAL INFORMATION:

Formation: **MISSISSIPPI**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:21:13  
 Time Test Ended: 00:29:43  
 Interval: **3917.00 ft (KB) To 3943.00 ft (KB) (TVD)**  
 Total Depth: 3943.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: RANDY WILLIAMS  
 Unit No: 43  
 Reference Elevations: 1270.00 ft (KB)  
 1261.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8648 Inside**  
 Press @ Run Depth: 64.67 psig @ 3918.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.04.05 End Date: 2011.04.06 Last Calib.: 2011.04.06  
 Start Time: 15:24:18 End Time: 00:29:43 Time On Btm: 2011.04.05 @ 17:20:28  
 Time Off Btm: 2011.04.05 @ 22:22:28

**TEST COMMENT:** IO-BOTTOM BUCKET 1 MIN  
 IS-NBB  
 FO-SBB, BOTTOM BUCKET 10 SEC'S  
 FS-BB, 10 INCH AT END OF SHUT IN



## PRESSURE SUMMARY

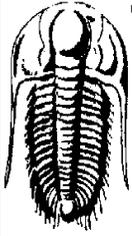
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1942.93	112.16	Initial Hydro-static
1	18.15	112.95	Open To Flow (1)
31	45.10	116.05	Shut-In(1)
90	1161.97	118.37	End Shut-In(1)
91	27.06	118.77	Open To Flow (2)
180	64.67	121.97	Shut-In(2)
301	1237.75	124.33	End Shut-In(2)
302	1896.17	124.43	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	23% GAS 2% OIL 50% WATER 25% MUD	0.31
63.00	13% GAS 2% OIL 35% WATER 50% MUD	0.31
40.00	1% OIL 99% MUD	0.20
0.00	842 GIP	0.00

## Gas Rates

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



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8080 E Central STE 300  
Wichita, KS 67206

**32-31s-3w Sumner,KS**

Job Ticket: 41598

**DST#: 2**

ATTN: Robert Hendrix

Test Start: 2011.04.05 @ 15:24:13

## 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:

75000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.48 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	23% GAS 2% OIL 50% WATER 25% MUD	0.310
63.00	13% GAS 2% OIL 35% WATER 50% MUD	0.310
40.00	1% OIL 99% MUD	0.197
0.00	842 GIP	0.000

Total Length: 166.00 ft      Total Volume: 0.817 bbl

Num Fluid Samples: 0

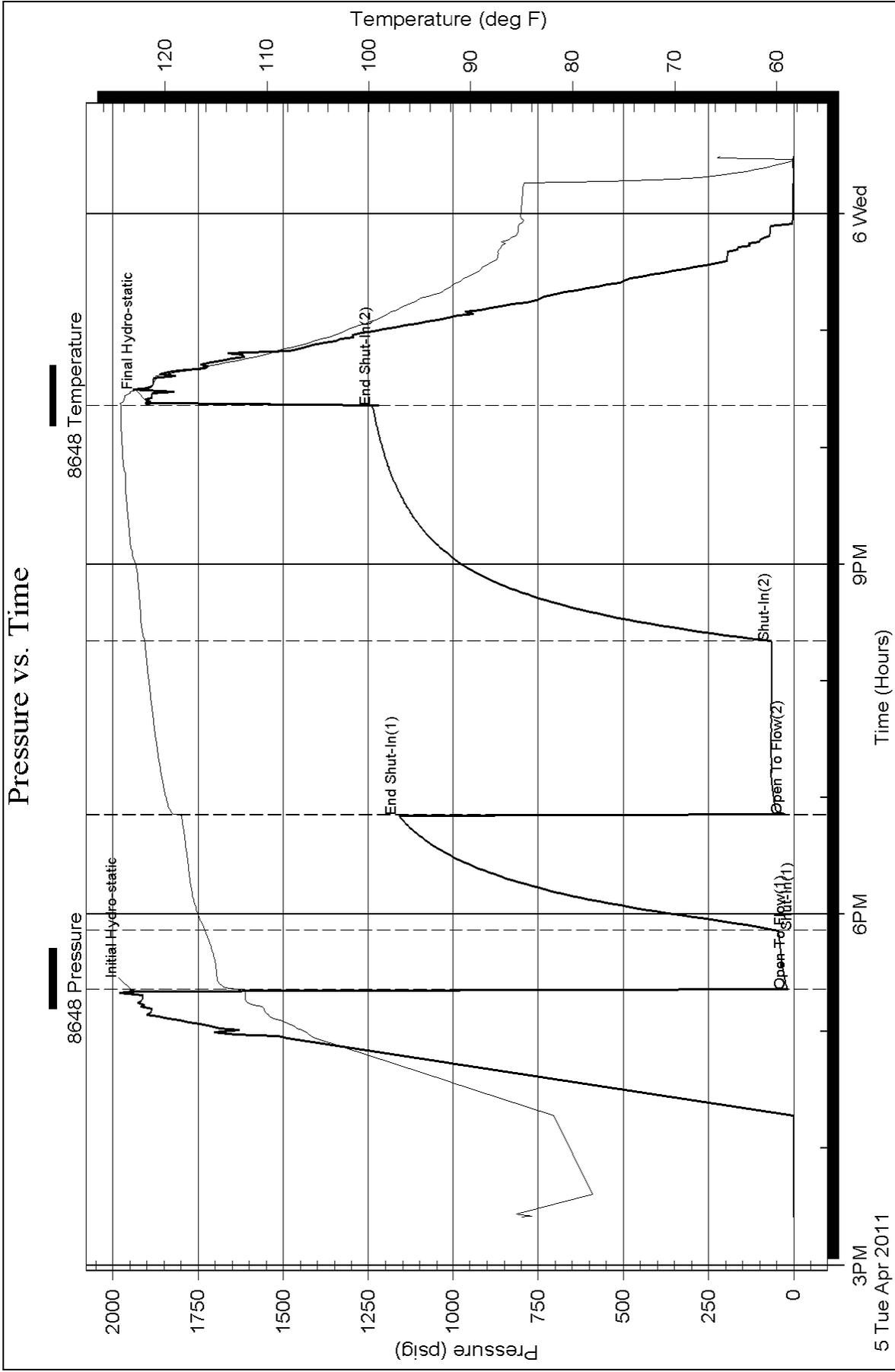
Num Gas Bombs: 0

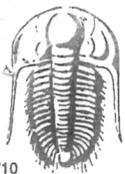
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: WATER TESTED= .15 @ 55 DEG





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
APR 08 2011

## Test Ticket

NO. 041597 **1525**

4/10

BY: \_\_\_\_\_

Well Name & No. ERSKINE "A" #4-32 Test No. 1 Date 4-3-11

Company MCCOY PETROLEUM CORPORATION Elevation 1261 KB 1270 GL

Address 8080 E CENTRAL STE 300

Co. Rep / Geo. ROBERT HENDRIX Rig STERLING #4

Location: Sec. 32 Twp. 31S Rge. 3W Co. SUMNER State KS

Interval Tested 3396-3476 Zone Tested SWOPE, HERTHA

Anchor Length 80 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.1

Top Packer Depth 3391 Drill Collars Run 184 Vis 45

Bottom Packer Depth 3396 Wt. Pipe Run NA WL 9.2

Total Depth 3476 Chlorides 3,000 ppm System LCM ~~3000~~ 3

Blow Description IO = FBB, BOTTOM BUCKET 18 MINS

IS = WSRB

FO = SBB, BOTTOM BUCKET 2 MINS

FS = NBB

Rec	Feet of	%gas	%oil	%water	%mud
<u>189</u>	<u>OIL SPECKED MUD</u>		<u>2</u>		<u>98</u>
<u>378</u>	<u>GIP</u>				
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 189 BHT 124 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic ~~1629~~ 1,629  Test 125 T-On Location 19:10

(B) First Initial Flow ~~16~~ 16  Jars \_\_\_\_\_ T-Started 19:20

(C) First Final Flow ~~61~~ 61  Safety Joint 75 T-Open 23:24

(D) Initial Shut-In ~~1,011~~ 1,011  Circ Sub \_\_\_\_\_ T-Pulled 03:24

(E) Second Initial Flow ~~59~~ 59  Hourly Standby 1 1/4 hrs 125 T-Out 05:30 10 1/4

(F) Second Final Flow ~~90~~ 90  Mileage 160 RT 200 Comments \_\_\_\_\_

(G) Final Shut-In ~~935~~ 935  Sampler \_\_\_\_\_

(H) Final Hydrostatic ~~1,550~~ 1,550  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Shut-In 60  Extra Recorder \_\_\_\_\_ Sub Total 8

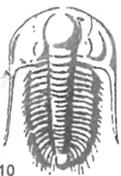
Final Flow 60  Day Standby \_\_\_\_\_ Total 1525

Final Shut-In 90  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Sub Total 1525

Approved By [Signature]

Our Representative [Signature]



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
APR 08 2011

## Test Ticket

NO. 041598

4/10

BT:

Well Name & No. ERSKINE "A" #4-32 Test No. 2 Date 4-5-11  
 Company MCCOY PETROLEUM CORPORATION Elevation 1261 KB 1270 GL  
 Address 8080 E CENTRAL STE 300  
 Co. Rep / Geo. ROBERT HENDRIX Rig STERLING #4  
 Location: Sec. 32 Twp. 31S Rge. 3W Co. SUMNER State KS

Interval Tested 3917-3943 Zone Tested MISSISSIPPI  
 Anchor Length 26 Drill Pipe Run 3728 Mud Wt. 9.3  
 Top Packer Depth 3912 Drill Collars Run 184 Vis 50  
 Bottom Packer Depth 3917 Wt. Pipe Run NA WL 9.6  
 Total Depth 3943 Chlorides 4,000 ppm System LCM 3

Blow Description IO = BOTTOM BUCKET 1 MIN  
IS = NBB  
FO = SBB, BOTTOM BUCKET 10 SEC  
FS = BB, 10 INCH AT END OF SHUT IN

Rec	Feet of	%gas	%oil	%water	%mud
<u>842</u>	<u>GIP</u>				
<u>40</u>	<u>OIL SPEC'ED MUD</u>		<u>1</u>		<u>99</u>
<u>63</u>	<u>G, O, W, CM</u>	<u>13</u>	<u>2</u>	<u>35</u>	<u>50</u>
<u>63</u>	<u>G, O, W, CM</u>	<u>23</u>	<u>2</u>	<u>50</u>	<u>25</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 166 FT BHT 124 Gravity \_\_\_\_\_ API RW 15 @ 55 °F Chlorides 25000 ppm

(A) Initial Hydrostatic 1943  Test 1125 T-On Location 19:30  
 (B) First Initial Flow 18  Jars \_\_\_\_\_ T-Started 15:50  
 (C) First Final Flow 45  Safety Joint 75 T-Open 17:47  
 (D) Initial Shut-In 1,162  Circ Sub \_\_\_\_\_ T-Pulled 22:47  
 (E) Second Initial Flow 27  Hourly Standby 3 hrs 300 T-Out 1:30  
 (F) Second Final Flow 64  Mileage 160 RT 200 Comments \_\_\_\_\_  
 (G) Final Shut-In 1,238  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,896  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 90  Day Standby \_\_\_\_\_ Total 1700  
 Final Shut-In 120  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1700

Approved By [Signature] Our Representative [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.