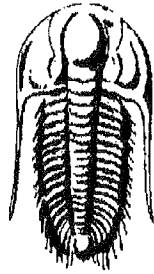


15-097-21654

17-27s-17w



**TRILOBITE  
TESTING, INC.**

### DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

8080 E. Central, Ste. 300

Wichita, Kansas 67206

**CONFIDENTIAL**

JUN 03 2009

ATTN: Robert Hendrix

**KCC**

**17-27s-17w Kiowa, Ks**

**Black ' B ' Gas Unit # 1-17**

Start Date: 2009.04.08 @ 04:43:31

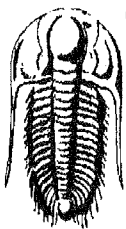
End Date: 2009.04.08 @ 14:14:01

Job Ticket #: 32994                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

McCoy Petroleum Corp.  
8080 E. Central, Ste. 300  
Wichita, Kansas 67206  
ATTN: Robert Hendrix

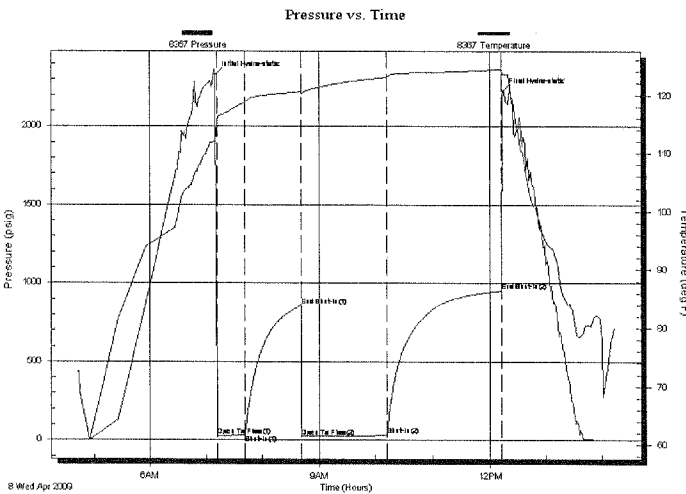
**Black ' B ' Gas Unit # 1-17**  
**17-27s-17w Kiowa, Ks**  
Job Ticket: 32994      **DST#: 1**  
Test Start: 2009.04.08 @ 04:43:31

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 07:11:31  
Time Test Ended: 14:14:01  
Test Type: Conventional Bottom Hole  
Tester: Jerry Adams  
Unit No: 45  
Interval: **4659.00 ft (KB) To 4710.00 ft (KB) (TVD)**  
Reference Elevations: 2153.00 ft (KB)  
Total Depth: 4710.00 ft (KB) (TVD)      2140.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 13.00 ft

**Serial #: 8367      Inside**  
Press@RunDepth: 31.18 psig @ 4666.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2009.04.08      End Date: 2009.04.08      Last Calib.: 2009.04.08  
Start Time: 04:43:32      End Time: 14:14:01      Time On Btm: 2009.04.08 @ 07:10:31  
Time Off Btm: 2009.04.08 @ 12:13:31

**TEST COMMENT:** IF: Strong blow BOB in 30 secs  
IS: No blow  
FF: Strong blow BOB immediately GTS in 25 mins ( see gas flow rpt.) Gauged 1 PSI @ 1/4". 8.950 Mcf.  
FSI: No blow



## PRESSURE SUMMARY

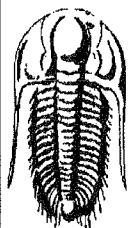
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2328.02	112.10	Initial Hydro-static
2	24.46	115.82	Open To Flow (1)
31	31.18	118.64	Shut-In(1)
90	857.86	120.55	End Shut-In(1)
91	20.97	120.19	Open To Flow (2)
181	30.73	123.03	Shut-In(2)
302	950.75	124.42	End Shut-In(2)
303	2225.86	123.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	SGCM 4% 96% m	0.30
0.00	4598' GIP	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.00	24.43
Last Gas Rate	0.25	0.50	23.64
Max. Gas Rate	0.25	1.00	24.43



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

McCoy Petroleum Corp.

**Black ' B ' Gas Unit # 1-17**

8080 E. Central, Ste. 300  
Wichita, Kansas 67206

**17-27s-17w Kiowa, Ks**

Job Ticket: 32994

**DST#: 1**

ATTN: Robert Hendrix

Test Start: 2009.04.08 @ 04:43:31

### Tool Information

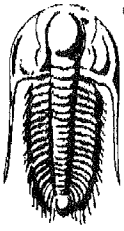
Drill Pipe:	Length: 4411.00 ft	Diameter: 3.80 inches	Volume: 61.87 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 63.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4659.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4641.00	
Hydraulic tool	5.00			4646.00	
Safety Joint	3.00			4649.00	
Packer	5.00			4654.00	23.00 Bottom Of Top Packer
Packer	5.00			4659.00	
Stubb	1.00			4660.00	
Perforations	5.00			4665.00	
Change Over Sub	1.00			4666.00	
Recorder	0.00	6798	Inside	4666.00	
Recorder	0.00	8367	Inside	4666.00	
Blank Spacing	32.00			4698.00	
Change Over Sub	1.00			4699.00	
Perforations	8.00			4707.00	
Bullnose	3.00			4710.00	51.00 Bottom Packers & Anchor

**Total Tool Length: 74.00**



**TRILOBITE**  
**TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

McCoy Petroleum Corp.

**Black ' B ' Gas Unit # 1-17**

8080 E. Central, Ste. 300  
Wichita, Kansas 67206

**17-27s-17w Kiowa, Ks**

ATTN: Robert Hendrix

Job Ticket: 32994

**DST#: 1**

Test Start: 2009.04.08 @ 04:43:31

### 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: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 10.36 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 6500.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	SGCM 4% 96% <sub>m</sub>	0.305
0.00	4598' GIP	0.000

Total Length: 62.00 ft      Total Volume: 0.305 bbl

Num Fluid Samples: 0

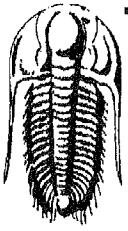
Num Gas Bombs: 1

Serial #: GA-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

McCoy Petroleum Corp.

**Black ' B ' Gas Unit # 1-17**

8080 E. Central, Ste. 300  
Wichita, Kansas 67206

**17-27s-17w Kiowa, Ks**

Job Ticket: 32994

**DST#: 1**

ATTN: Robert Hendrix

Test Start: 2009.04.08 @ 04:43:31

### Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	30	0.25	1.00	24.43
2	40	0.25	0.50	23.64
2	50	0.25	0.50	23.64
2	60	0.25	0.50	23.64
2	70	0.25	0.50	23.64
2	80	0.25	0.50	23.64
2	90	0.25	0.50	23.64

DST Test Number: 1

17-27s-17w Klow a, Ks

McCoy Petroleum Corp.

Inside

Serial #: 8367

### Pressure vs. Time

