

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **McCoy Pet. Corp.**

Wichita Ks. 67202

ATTN: Corey Baker

15-34S-8W Harper KS

Wurm "A" 1-15

Start Date: 2001.05.03 @ 19:40:00

End Date: 2001.05.04 @ 03:00:00

Job Ticket #: 14087 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

McCoy Pet. Corp.

Wurm "A" 1-15

15-34S-8W Harper KS

DST # 1

Mississippi

2001.05.03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McCoy Pet. Corp.

Wurm "A" 1-15

Wichita Ks. 67202

15-34S-8W Harper KS

ATTN: Corey Baker

Job Ticket: 14087

DST#: 1

Test Start: 2001.05.03 @ 19:40:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:29:51

Time Test Ended: 03:00:00

Test Type: Conventional Bottom Hole

Tester: Lanny Saloga

Unit No: 14

Interval: **4696.00 ft (KB) To 4720.00 ft (KB) (TVD)**

Total Depth: 4720.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1373.00 ft (KB)

1368.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **3289**

Inside

Press@RunDepth: 24.52 psig @ 4693.00 ft (KB)

Start Date: 2001.05.03

End Date:

2001.05.04

Start Time: 19:40:11

End Time:

05:54:36

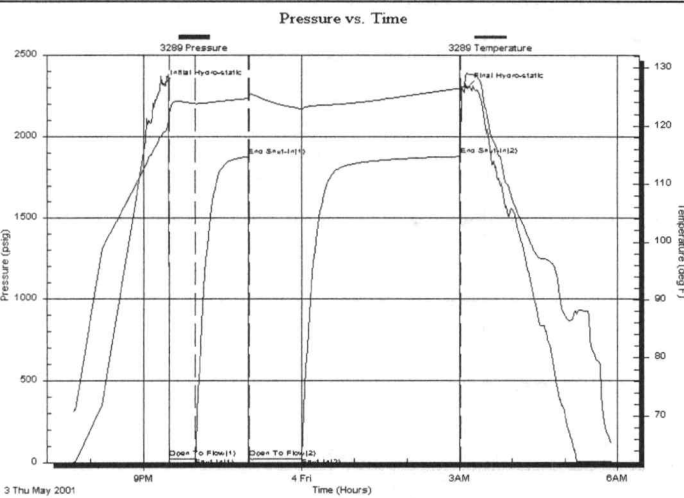
Capacity: 7000.00 psig

Last Calib.: 2001.01.07

Time On Btm: 2001.05.03 @ 21:22:36

Time Off Btm: 2001.05.04 @ 03:08:51

TEST COMMENT:



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2317.68	118.87	Initial Hydro-static
8	20.05	122.29	Open To Flow (1)
37	20.52	123.83	Shut-In(1)
97	1875.53	124.71	End Shut-In(1)
99	21.45	125.25	Open To Flow (2)
158	24.52	122.93	Shut-In(2)
339	1878.08	126.50	End Shut-In(2)
347	2296.89	128.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4671 Ft. GIP	0.00
15.00	Sli Gas cut Mud 3%G 97%M	0.21

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.00	24.43
Last Gas Rate	0.25	1.60	25.38
Max. Gas Rate	0.25	1.60	25.38



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Pet. Corp.

Wurm "A" 1-15

Wichita Ks. 67202

15-34S-8W Harper KS

Job Ticket: 14087

DST#: 1

ATTN: Corey Baker

Test Start: 2001.05.03 @ 19:40:00

Tool Information

Drill Pipe:	Length: 4686.00 ft	Diameter: 3.80 inches	Volume: 65.73 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 12000.00 lb
			<u>Total Volume: 65.73 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4691.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Strong OBB in 30 sec. Cracked 2" slightly. I.F.P.
No blow -back. I.S.I.P.

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

C.O. Sub	1.00			4670.00	
S.I. Tool	5.00			4675.00	
HMV	5.00			4680.00	
Safety Joint	2.00			4682.00	
Packer	4.00			4686.00	22.00 Bottom Of Top Packer
Packer	5.00			4691.00	
Stubb	1.00			4692.00	
Perforations	1.00			4693.00	
Recorder	0.00	3289	Inside	4693.00	
Perforations	20.00			4713.00	
Recorder	0.00	10242	Inside	4713.00	
Bullnose	2.00			4715.00	24.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Pet. Corp.

Wurm "A" 1-15

Wichita Ks. 67202

15-34S-8W Harper KS

Job Ticket: 14087

DST#: 1

ATTN: Corey Baker

Test Start: 2001.05.03 @ 19:40:00

Mud and Cushion Information

Mud Type: Gel Chem
 Mud Weight: 9.00 lb/gal
 Viscosity: 48.00 sec/qt
 Water Loss: 10.37 in³
 Resistivity: ohm.m
 Salinity: 3500.00 ppm
 Filter Cake: inches

Cushion Type:
 Cushion Length: ft
 Cushion Volume: bbl
 Gas Cushion Type:
 Gas Cushion Pressure: psig

Oil API: deg API
 Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4671 Ft. GIP	0.000
15.00	Sli Gas cut Mud 3%G 97%M	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: 1

Laboratory Name: Caraway Laboratory Location: Liberal KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

McCoy Pet. Corp.

Wurm "A" 1-15

Wichita Ks. 67202

15-34S-8W Harper KS

Job Ticket: 14087

DST#: 1

ATTN: Corey Baker

Test Start: 2001.05.03 @ 19:40:00

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 ³ /d)
2	10	0.25	1.00	24.43
2	20	0.25	1.60	25.38
2	30	0.25	1.60	25.38
2	40	0.25	1.60	25.38
2	50	0.25	1.60	25.38
2	55	0.25	1.60	25.38

Pressure vs. Time

