

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

P.O.Box 780208
Wichita KS 67276

ATTN: David Clothier

9-30s-9w Kingman Ks

Whitmer B 3-9

Start Date: 2001.05.15 @ 19:56:09

End Date: 2001.05.16 @ 04:49:39

Job Ticket #: 14052 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

McCoy Petl.Corp.

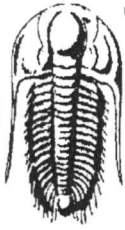
Whitmer B 3-9

9-30s-9w Kingman Ks

DST # 1

Mississippi

2001.05.15



**TRILOBITE
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DRILL STEM TEST REPORT

McCoy Petl. Corp.

Whitmer B 3-9

P.O. Box 780208
Wichita KS 67276

9-30s-9w Kingman Ks

ATTN: David Clothier

Job Ticket: 14052

DST#: 1

Test Start: 2001.05.15 @ 19:56:09

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:23:09

Time Test Ended: 04:49:39

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 13

Interval: **4273.00 ft (KB) To 4282.00 ft (KB) (TVD)**

Total Depth: 4282.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1681.00 ft (KB)

1676.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **2342**

Inside

Press@RunDepth: 60.59 psig @ 4274.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2001.05.15 End Date: 2001.05.16

Last Calib.: 2001.01.04

Start Time: 19:56:10 End Time: 04:49:39

Time On Btm: 2001.05.15 @ 22:21:39

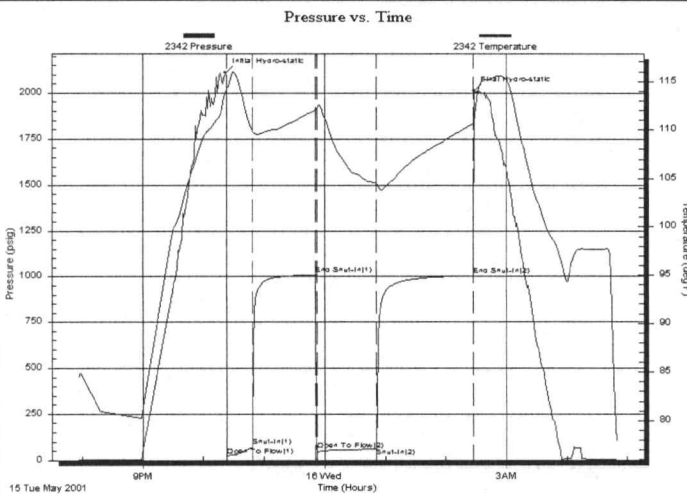
Time Off Btm: 2001.05.16 @ 02:27:54

TEST COMMENT: IF: Strong blow . GTS in 11 mins. (see gas volume report)

IS: No blow .

FF: Strong blow . (see gas volume report)

FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.78	113.85	Initial Hydro-static
2	20.81	114.28	Open To Flow (1)
28	71.25	109.86	Shut-In(1)
89	1009.22	112.06	End Shut-In(1)
91	50.43	112.14	Open To Flow (2)
150	60.59	104.46	Shut-In(2)
245	1004.37	110.61	End Shut-In(2)
247	2010.57	110.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	Gas in all fluid free pipe	0.00
130.00	GCM 15% g 85% m	0.73

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.00	29.11
Last Gas Rate	0.50	10.00	164.12
Max. Gas Rate	0.25	40.00	86.05



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DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petl. Corp.

Whitmer B 3-9

P.O.Box 780208
Wichita KS 67276

9-30s-9w Kingman Ks

Job Ticket: 14052

DST#: 1

ATTN: David Clothier

Test Start: 2001.05.15 @ 19:56:09

Tool Information

Drill Pipe:	Length: 4148.00 ft	Diameter: 3.80 inches	Volume: 58.19 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: 23000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 58.78 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4273.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	29.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4254.00	
S.I. Tool	5.00			4259.00	
HMV	5.00			4264.00	
Packer	4.00			4268.00	20.00 Bottom Of Top Packer
Packer	5.00			4273.00	
Stubb	1.00			4274.00	
Recorder	0.00	2342	Inside	4274.00	
Perforations	3.00			4277.00	
Bullnose	5.00			4282.00	9.00 Bottom Packers & Anchor
Total Tool Length:	29.00				



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FLUID SUMMARY

McCoy Petl. Corp.

Whitmer B 3-9

P.O.Box 780208
Wichita KS 67276

9-30s-9w Kingman Ks

Job Ticket: 14052

DST#: 1

ATTN: David Clothier

Test Start: 2001.05.15 @ 19:56:09

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:	5000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	Gas in all fluid free pipe	0.000
130.00	GCM 15% g 85%m	0.730

Total Length: 130.00 ft Total Volume: 0.730 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp

Laboratory Name: Caraw ay

Laboratory Location: Liberal KS

Recovery Comments:



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DRILL STEM TEST REPORT

GAS RATES

McCoy Petl. Corp.

Whitmer B 3-9

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Wichita KS 67276

9-30s-9w Kingman Ks

Job Ticket: 14052

DST#: 1

ATTN: David Clothier

Test Start: 2001.05.15 @ 19:56:09

Gas Rates Information

Temperature: 62 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)
1	15	0.25	4.00	29.11
1	15	0.25	4.00	29.11
1	20	0.25	16.00	48.09
1	30	0.25	40.00	86.05
2	10	0.50	9.00	157.39
2	20	0.50	9.00	157.39
2	30	0.50	10.00	164.12
2	40	0.50	10.00	164.12
2	50	0.50	10.00	164.12

Pressure vs. Time

