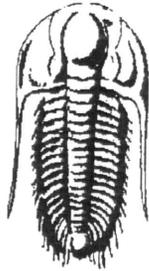


10-34-15W

15-007-22901



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: M&M Expl.Inc.

10 Garden Center, Ste. 102
Bloomfield Co. 80020

CONFIDENTIAL ORIGINAL

ATTN: Pollock/Hickman

KCC

10-34s-15w Barber Ks

OCT 11 2005

Z-Bar #10-13

CONFIDENTIAL

Start Date: 2005.06.24 @ 05:01:28

End Date: 2005.06.24 @ 15:00:28

Job Ticket #: 21714 DST #: 1

SE SE NW SW

RECEIVED
OCT 11 2005
KCC WICHITA

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

M&M Expl.Inc.

Z-Bar #10-13

10-34s-15w Barber Ks

DST # 1

Hertha

2005.06.24

10-34s-15w



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

M&M Expl. Inc.
60 Garden Center, Ste. 102
Broomfield Co. 80020
ATTN: Pollock/Hickman

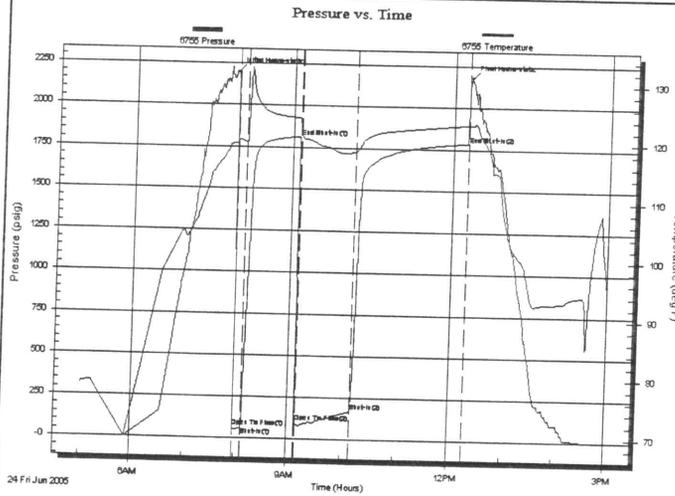
Z-Bar #10-13
10-34s-15w Barber Ks
Job Ticket: 21714 **DST#: 1**
Test Start: 2005.06.24 @ 05:01:28

GENERAL INFORMATION:

Formation: **Hertha**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:58:13
Time Test Ended: 15:00:28
Interval: **4532.00 ft (KB) To 4571.00 ft (KB) (TVD)**
Total Depth: 4571.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23
Reference Elevations: 1630.00 ft (KB)
1617.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6755 Inside
Press@RunDepth: 170.01 psig @ 4533.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2005.06.24 End Date: 2005.06.24 Last Calib.: 2005.06.24
Start Time: 05:01:33 End Time: 15:00:28 Time On Btrr: 2005.06.24 @ 07:55:58
Time Off Btrr: 2005.06.24 @ 12:19:13

TEST COMMENT: IF: Strong blow . B.O.B. in 30 secs.
IS: No blow .
FF: Strong blow . GTS in 15 secs. (see gas volume report)
FS: Fair to strong blow . B.O.B. in 38 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.70	119.69	Initial Hydro-static
3	64.47	120.19	Open To Flow (1)
12	64.88	119.72	Shut-In(1)
73	1813.96	124.11	End Shut-In(1)
74	103.97	121.70	Open To Flow (2)
135	170.01	118.41	Shut-In(2)
261	1784.59	123.20	End Shut-In(2)
264	2177.80	123.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (tbt)
240.00	GMCO 30%g 16%o 54%o	1.70
200.00	CGO 30%g 70%o	2.81

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	5.00	71.07
Last Gas Rate	0.25	18.00	51.40
Max. Gas Rate	0.25	18.00	51.40



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

M&M Expl. Inc.

Z-Bar #10-13

60 Garden Center, Ste. 102
Broomfield Co. 80020

10-34s-15w Barber Ks

Job Ticket: 21714

DST#: 1

ATTN: Pollock/Hickman

Test Start: 2005.06.24 @ 05:01:28

Tool Information

Drill Pipe:	Length: 4354.00 ft	Diameter: 3.80 inches	Volume: 61.08 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 82000.00 lb
			Total Volume: 61.98 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4532.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4506.00	
Shut In Tool	5.00			4511.00	
Hydraulic tool	5.00			4516.00	
Jars	5.00			4521.00	
Safety Joint	2.00			4523.00	
Packer	4.00			4527.00	27.00 Bottom Of Top Packer
Packer	5.00			4532.00	
Stubb	1.00			4533.00	
Recorder	0.00	6755	Inside	4533.00	
Perforations	33.00			4566.00	
Recorder	0.00	13222	Outside	4566.00	
Bullnose	5.00			4571.00	39.00 Bottom Packers & Anchor
Total Tool Length:	66.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

M&M Expl. Inc.
60 Garden Center, Ste. 102
Broomfield Co. 80020
ATTN: Pollock/Hickman

Z-Bar #10-13
10-34s-15w Barber Ks
Job Ticket: 21714 **DST#: 1**
Test Start: 2005.06.24 @ 05:01:28

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 40.5 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 6000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 11.19 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 6000.00 ppm		
Filter Cake: 0.20 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	GMCO 30%g 16%m 54%o	1.700
200.00	CGO 30%g 70%o	2.805

Total Length: 440.00 ft Total Volume: 4.505 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

M&M Expl. Inc.

Z-Bar #10-13

60 Garden Center, Ste. 102
Broomfield Co. 80020

10-34s-15w Barber Ks

Job Ticket: 21714

DST#: 1

ATTN: Pollock/Hickman

Test Start: 2005.06.24 @ 05:01:28

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	0.38	5.00	71.07
2	20	0.38	3.00	63.74
2	30	0.25	12.00	41.88
2	40	0.25	16.00	48.23
2	50	0.25	18.00	51.40
2	60	0.25	18.00	51.40

Serial #: 6755

Inside

M&M Expl. Inc.

10-34s-15w Barber Ks

DST Test Number: 1

