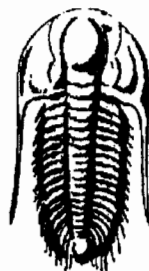


JAN 10 2004

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

ORIGINAL

Prepared For: CMX Inc.

CONFIDENTIAL
150 N. Main Ste 1026
Hays, Ks. 67902

NOV 24 2003

ATTN: Doug McGinness

17-35s-13w

12-35s-15w Barber Ks

API# 15.007-22754-00-00
Albert #4

Start Date: 2003.08.16 @ 22:26:27

End Date: 2003.08.17 @ 06:23:27

Job Ticket #: 17132

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CMX Inc.

Albert #4

12-35s-15w Barber Ks
17-35s-13w

DST # 1

Miss.

2003.08.16

E/a WME

17-35s-13w
Albert # 4

CONFIDENTIAL

ORIGINAL


**TRILOBITE
TESTING, INC.**
DRILL STEM TEST REPORT

CMX Inc.

150 N. Main Ste 1026
Wichita Ks. 67202

ATTN: Doug McGinness

Albert #4

12-35s-15w Barber Ks

Job Ticket: 17132

DST#: 1

Test Start: 2003.08.16 @ 22:26:27

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:46:42

Time Test Ended: 06:23:27

Interval: 4880.00 ft (KB) To 4960.00 ft (KB) (TVD)

Total Depth: 4960.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

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Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Reference Elevations: 1566.00 ft (KB)

1557.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 2342

Inside

Press@RunDepth: 38.68 psig @ 4881.00 ft (KB)

Start Date: 2003.08.16

End Date:

Start Time: 22:26:28

End Time:

Capacity: 7000.00 psig

Last Calib.: 2003.08.17

Time On Btm: 2003.08.17 @ 00:45:27

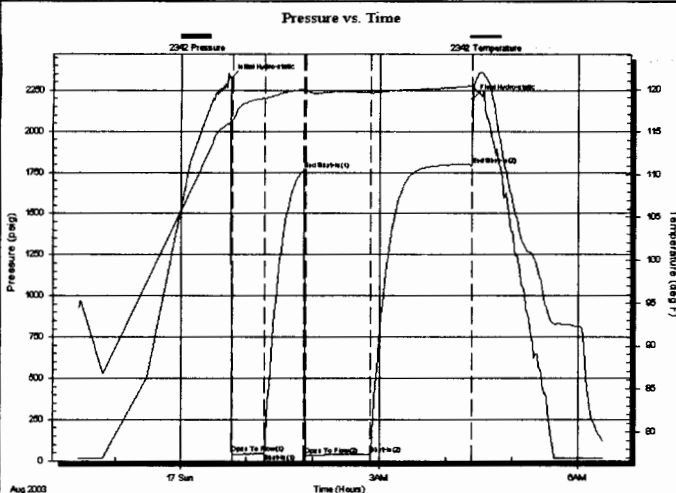
Time Off Btm: 2003.08.17 @ 04:23:57

TEST COMMENT: IF: Strong blow . B.O.B. in 20 secs. GTS in 29 mins.

IS: No blow .

FF: Strong blow . (see gas volume report)

FS: No blow .


PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2323.63	116.14	Initial Hydro-static
2	47.17	116.19	Open To Flow (1)
31	42.47	118.93	Shut-In(1)
67	1765.51	119.99	End Shut-In(1)
68	36.42	119.91	Open To Flow (2)
127	38.68	119.56	Shut-In(2)
219	1796.64	120.39	End Shut-In(2)
219	2200.25	120.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drig. mud	0.28

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	3.00	27.60
Last Gas Rate	0.25	5.00	30.78
Max. Gas Rate	0.25	5.00	30.78

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc.

 150 N. Main Ste 1026
 Wichita Ks. 67202

ATTN: Doug McGinness

Albert #4

 17-13
 22-35s-10w Barber Ks

Job Ticket: 17132

DST#: 1

Test Start: 2003.08.16 @ 22:26:27

Tool Information

Drill Pipe:	Length: 4859.00 ft	Diameter: 3.80 inches	Volume: 68.16 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 74000.00 lb
			Total Volume: 68.16 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4880.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	107.00 ft			
Number of Packers:	2	Diameter:	6.75 inches	
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4854.00	
Shut In Tool	5.00			4859.00	
Hydraulic tool	5.00			4864.00	
Jars	5.00			4869.00	
Safety Joint	2.00			4871.00	
Packer	4.00			4875.00	27.00 Bottom Of Top Packer
Packer	5.00			4880.00	
Stubb	1.00			4881.00	
Recorder	0.00	2342	Inside	4881.00	
Perforations	8.00			4889.00	
Change Over Sub	1.00			4890.00	
Blank Spacing	64.00			4954.00	
Change Over Sub	1.00			4955.00	
Recorder	0.00	13222	Outside	4955.00	
Bullnose	5.00			4960.00	80.00 Bottom Packers & Anchor

Total Tool Length: 107.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc.

Albert #4

150 N. Main Ste 1026
Wichita Ks. 67202

12-35s-15w Barber Ks

Job Ticket: 17132

DST#: 1

ATTN: Doug McGinness

Test Start: 2003.08.16 @ 22:26:27

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:

4000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drig.mud	0.281

Total Length: 20.00 ft

Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

CMX Inc.

150 N. Main Ste 1026
Wichita Ks. 67202

ATTN: Doug McGinness

Albert #4

~~17-13~~
~~42-35s-15w~~ Barber Ks

Job Ticket: 17132

DST#: 1

Test Start: 2003.08.16 @ 22:26:27

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 (m³/d)
2	10	0.25	3.00	27.60
2	20	0.25	4.00	29.19
2	30	0.25	5.00	30.78
2	40	0.25	5.00	30.78
2	50	0.25	5.00	30.78
2	60	0.25	5.00	30.78

Pressure vs. Time

