



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

MTM Petroleum Inc.

23-30s-7w Kingman Ks

PO Box 391
Kingman Ks. 67068

Hufford #1-23

Job Ticket: 54246

DST#: 1

ATTN: Aaron Young

Test Start: 2014.08.18 @ 01:45:10

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:05:40

Time Test Ended: 08:31:55

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4166.00 ft (KB) To 4192.00 ft (KB) (TVD)

Reference Elevations: 1488.00 ft (KB)

Total Depth: 4192.00 ft (KB) (TVD)

1478.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8352 Outside

Press@RunDepth: 56.88 psig @ 4167.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.18

End Date: 2014.08.18

Last Calib.: 2014.08.18

Start Time: 01:45:15

End Time: 08:31:54

Time On Btm: 2014.08.18 @ 04:02:10

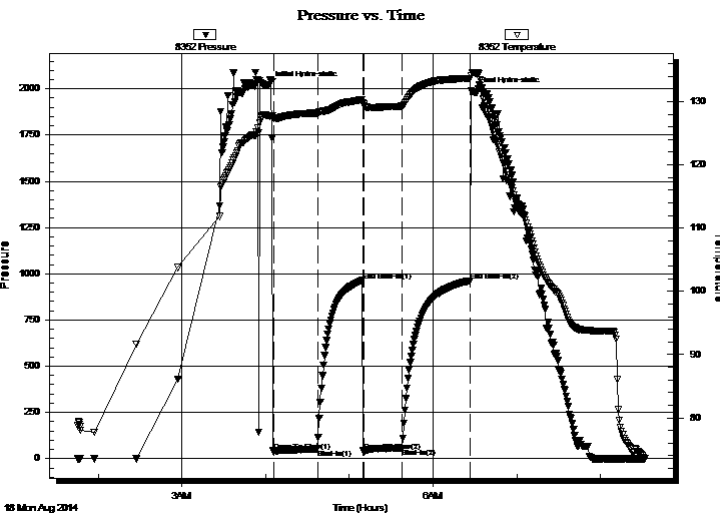
Time Off Btm: 2014.08.18 @ 06:27:55

TEST COMMENT: IF:Strong blow . B.O.B. in 5 secs. GTS in 28 mins.

IS:No blow

FF:Strong blow . (see gas flow report)

FS:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2018.16	127.72	Initial Hydro-static
4	39.88	127.43	Open To Flow (1)
35	51.50	128.20	Shut-In(1)
68	963.40	130.33	End Shut-In(1)
68	37.39	129.58	Open To Flow (2)
96	56.88	129.26	Shut-In(2)
145	962.38	133.64	End Shut-In(2)
146	1986.90	134.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
145.00	GCM/w trace of oil 5%g 95%m	0.94
0.00	Good oil show @ top of tool	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	7.00	33.95
Last Gas Rate	0.25	6.50	33.16
Max. Gas Rate	0.25	7.00	33.95



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FLUID SUMMARY

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DST#: 1

ATTN: Aaron Young

Test Start: 2014.08.18 @ 01:45:10

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:

3500 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
145.00	GCM /w trace of oil 5%g 95%m	0.941
0.00	Good oil show @ top of tool	0.000

Total Length: 145.00 ft

Total Volume: 0.941 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

MTM Petroleum Inc.

23-30s-7w Kingman Ks

PO Box 391
Kingman Ks. 67068

Hufford #1-23

Job Ticket: 54246

DST#: 1

ATTN: Aaron Young

Test Start: 2014.08.18 @ 01:45:10

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	5	0.25	7.00	33.95
2	10	0.25	7.00	33.95
2	20	0.25	7.00	33.95
2	30	0.25	6.50	33.16

