15-175-22078 26-34s-33w

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Midwestern Exploration**

3500 S Boulevard Ste 28 Edmond OK 73013

ATTN: Tom Williams

26 34 33 Seward KS

Morrissey 1-26

Start Date: 2007.02.27 @ 14:30:06

End Date: 2007.02.28 @ 00:32:06

Job Ticket #: 24484 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Midwestern Exploration Morrissey 1-26 26 34 33 Seward KS DST # 1 Morrow 2007.02.27

DRILL STEM TEST REPORT

Midwestern Exploration

3500 S Boulevard Ste 28 Edmond OK 73013

ATTN: Tom Williams

Morrissey 1-26

26 34 33 Seward KS

Job Ticket: 24484 **DST#: 1**

Test Start: 2007.02.27 @ 14:30:06

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:24:36
Time Test Ended: 00:32:06

Test Type: Conventional Bottom Hole
Tester: Harley Davidson
Unit No: 33

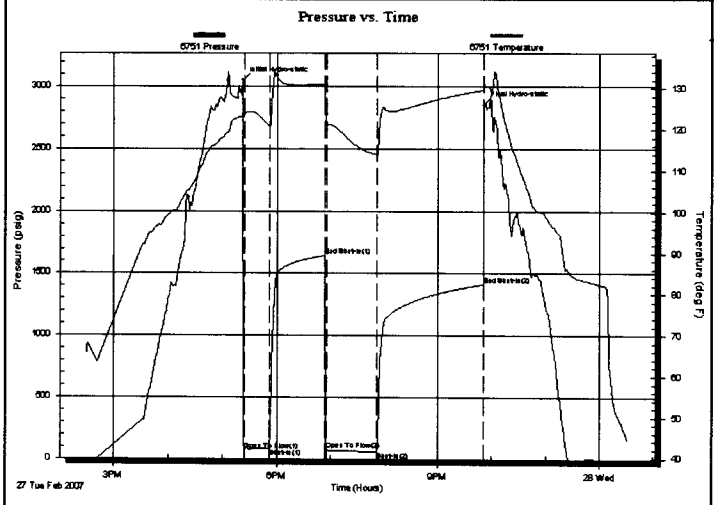
Interval: 6056.00 ft (KB) To 6114.00 ft (KB) (TVD)
Total Depth: 6114.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2828.00 ft (KB)
2815.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6751 **Inside**
Press@RunDepth: 56.82 psig @ 6089.00 ft (KB)
Start Date: 2007.02.27 End Date: 2007.02.28
Start Time: 14:30:07 End Time: 00:32:06

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2007.02.27 @ 17:22:21
Time Off Btm: 2007.02.27 @ 21:51:36

TEST COMMENT: IF Strong blow BOB 1 min GTS 5.5 min.
ISI NO BB
FF BOLB GTS ASAO
FSI No BB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3049.10	122.95	Initial Hydro-static
3	69.23	123.50	Open To Flow (1)
30	85.17	120.75	Shut-In(1)
91	1642.59	131.10	End Shut-In(1)
94	71.88	121.11	Open To Flow (2)
150	56.82	113.94	Shut-In(2)
269	1412.39	129.64	End Shut-In(2)
270	2851.55	130.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	100%M	0.44

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	18.00	218.56
Last Gas Rate	0.50	25.00	265.78
Max. Gas Rate	0.50	30.00	299.51

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Midwestern Exploration

3500 S Boulevard Ste 28 Edmond OK 73013

ATTN: Tom Williams

Morrissey 1-26

26 34 33 Seward KS

Job Ticket: 24484 **DST#: 1**

Test Start: 2007.02.27 @ 14:30:06

Tool Information

Drill Pipe:	Length:	5694.00 ft	Diameter:	3.80 inches	Volume:	79.87 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	359.00 ft	Diameter:	2.25 inches	Volume:	1.77 bbl	Weight to Pull Loose:		115000.0 lb
					Total Volume:	81.64 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		25.00 ft					String Weight:	Initial	92000.00 lb
Depth to Top Packer:		6056.00 ft						Final	94000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		58.00 ft							
Tool Length:		86.00 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			6029.00		
Shut In Tool	5.00			6034.00		
Hydraulic tool	5.00			6039.00		
Jars	5.00			6044.00		
Safety Joint	3.00			6047.00		
Packer	5.00			6052.00	28.00	Bottom Of Top Packer
Packer	4.00			6056.00		
Stubb	1.00			6057.00		
Change Over Sub	1.00			6058.00		
Drill Pipe	30.00			6088.00		
Change Over Sub	1.00			6089.00		
Recorder	0.00	6751	Inside	6089.00		
Perforations	21.00			6110.00		
Recorder	0.00	11018	Inside	6110.00		
Bullnose	4.00			6114.00	58.00	Bottom Packers & Anchor
Total Tool Length:	**86.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Midwestern Exploration

3500 S Boulevard Ste 28 Edmond OK 73013

ATTN: Tom Williams

Morrissey 1-26

26 34 33 Seward KS

Job Ticket: 24484 **DST#: 1**

Test Start: 2007.02.27 @ 14:30:06

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:	ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	100%M	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

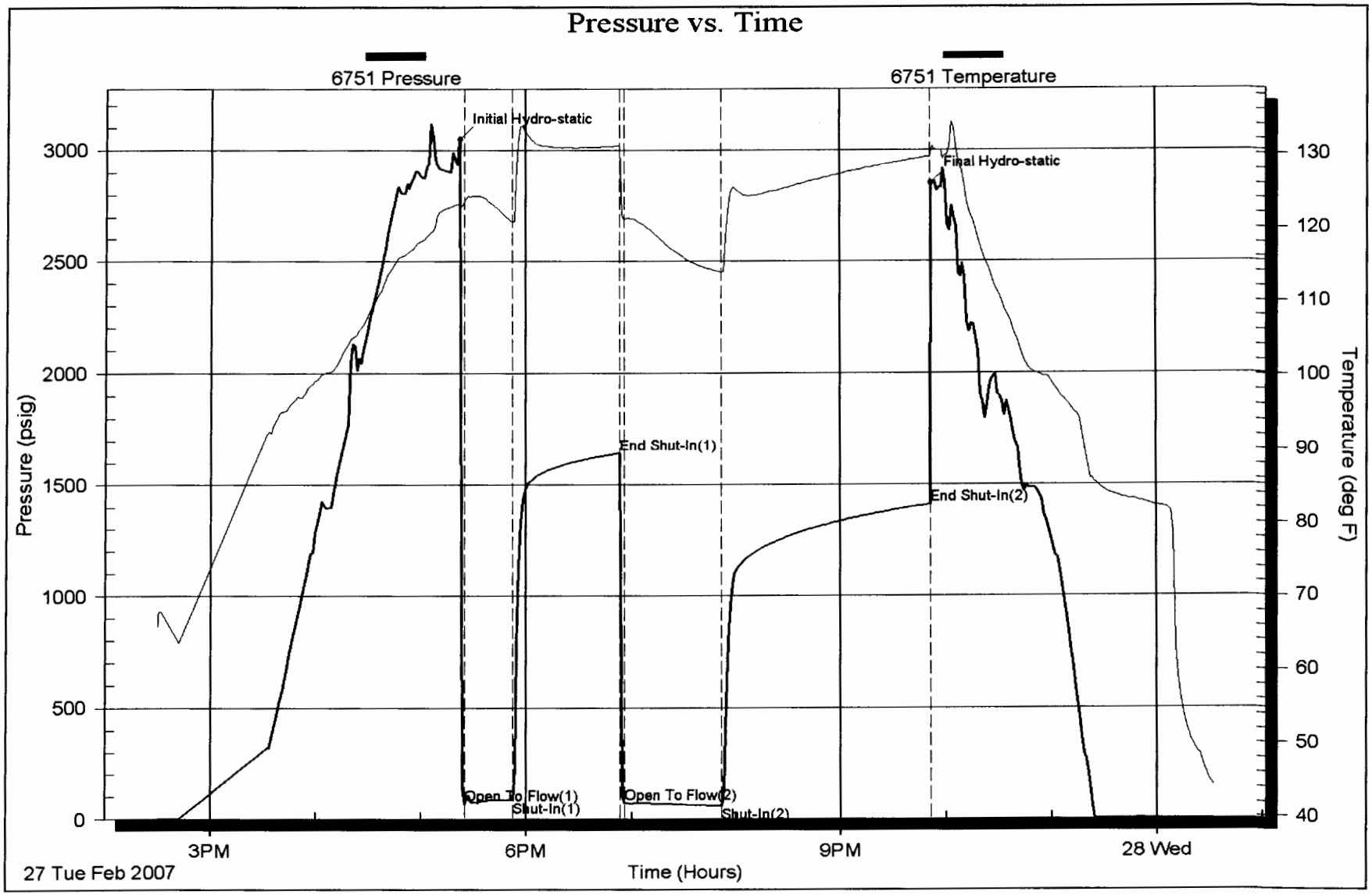
Recovery Comments:

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)
1	10	0.50	18.00	218.56
1	10	0.50	18.00	218.56
1	20	0.50	24.00	259.04
1	30	0.50	25.00	265.78
2	10	0.50	27.00	279.27
2	20	0.50	30.00	299.51
2	30	0.50	28.00	286.02
2	40	0.50	27.00	279.27
2	50	0.50	25.00	265.78


Pressure vs. Time
6751 Pressure
6751 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
3000
2500
2000
1500
1000
500
0
130
120
110
100
90
80
70
60
50
40
3PM
6PM
9PM
28 Wed
27 Tue Feb 2007
Time (Hours)

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

9490 № 24484

Test Ticket

Well Name & No. Morrissey 1-26 Test No. 1 Date 2/27/07

Company Midwestern Exploration Zone Tested Morrow

Address 3500 S. Boulevard suite 28 Edmond OK 73013 Elevation 2828 KB 2815 GL

Co. Rep / Geo. Tom Williams Rig Red #1

Location: Sec. 26 Twp. 34 Rge. 33 Co. Seward State KS

Comment: Release date / time:

Interval Tested 6056 - 6114 Initial Str Wt./Lbs. 92K Unseated Str Wt/Lbs. 94K

Anchor Length 58 Wt. Set Lbs. 25K Wt. Pulled Loose/Lbs. 115K

Top Packer Depth 6051 Tool Weight 2000

Bottom Packer Depth 6056 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 6114 Wt. Pipe Run Drill Collar Run 359

Mud Wt. 9.2 LCM 4 Vis. 58 WL 7.2 Drill Pipe Size 4.5 XH Ft. Run 5694

Blow Description IF-BOB 1min. GTS 5½ min.
ISI NO BB
FF-BOB, ASAO, GTS, ASAO
FSI - No blow back.

Recovery - Total Feet 90 GIP Ft. in DC Ft. in DP

Rec. 90 Feet of %gas %oil %water 100 %mud

Rec. Feet of %gas %oil %water %mud

Rec. Feet of %gas %oil %water %mud

Rec. Feet of %gas %oil %water %mud

Rec. Feet of %gas %oil %water %mud

BHT °F Gravity °API D @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 1500 ppm System

	AK-1	Alpine
(A) Initial Hydrostatic Mud		3039 PSI
(B) First Initial Flow Pressure		69 PSI
(C) First Final Flow Pressure		85 PSI
(D) Initial Shut-In Pressure		1643 PSI
(E) Second Initial Flow Pressure		72 PSI
(F) Second Final Flow Pressure		57 PSI
(G) Final Shut-In Pressure		1412 PSI
(Q) Final Hydrostatic Mud		2832 PSI

Recorder No. 6751
(depth) 6058
Recorder No. 11018
(depth) 6114
Recorder No.
(depth)

Initial Opening 30
Initial Shut-In 60
Final Flow 60
Final Shut-In 120
T-On Location 1200 PM
T-Started 230 PM
T-Open 445 PM
T-Pulled 915 PM
T-Out 1200 AM

Test 1400.00
Jars 250.00
Safety Jt. 75.00
Circ Sub
Sampler
Straddle
Ext. Packer
Shale Packer
Ruined Packer 200.00
Mileage 112.50
Sub Total:
Std. By 100.00
Acc. Chg:
Other:
Total: 2137.00

Approved By Billy Daugherty

Our Representative Darley Jackson

Thank you

TRILOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601 • (785) 625-4778

GAS VOLUME REPORT

Midwestern Exploration (OPERATOR) Morrissey 1-26 (WELL NAME AND NO.) 1 (DST NO.)

1st Flow

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
10	18	1/2	218560	10	27	1/2	279272
20	24	1/2	259035	20	30	1/2	299509
30	25	1/2	265780	30	28	1/2	286017
				40	27	1/2	279272
				50	25	1/2	265780
				60	22	1/2	245543

GTS 5 1/2 min.

GTS - ASAP
ROB - ASAP

Remarks:

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.