

DRILL STEM TEST REPORT

Prepared For: **White Exploration**

2400 N Woodlawn Ste. 115 Wichita Ks.
67220-3966

ATTN: Tom Williams

6-30-31 Haskell, Ks

Maxine #1

Start Date: 2010.09.17 @ 14:15:00

End Date: 2010.09.17 @ 23:46:19

Job Ticket #: 40279 DST #: 1

KANSAS CORPORATION COMMISSION
JAN 12 2011
RECEIVED

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

White Exploration

Maxine #1

2400 N Woodlawn Ste. 115 Wichita Ks. 67220-3966

6-30-31 Haskell, Ks

Job Ticket: 40279

DST#: 1

ATTN: Tom Williams

Test Start: 2010.09.17 @ 14:15:00

GENERAL INFORMATION:

Formation: **Swope LM**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 16:29:50

Time Test Ended: 23:46:19

Test Type: **Conventional Bottom Hole**

Tester: **Harley Davidson**

Unit No: **33**

Interval: **4654.00 ft (KB) To 4670.00 ft (KB) (TVD)**

Reference Elevations: **2880.00 ft (KB)**

Total Depth: **4670.00 ft (KB) (TVD)**

2870.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: 10.00 ft

Serial #: 6772

Inside

Press@RunDepth: **606.59 psig @ 4657.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.09.17**

End Date:

2010.09.17

Last Calib.: **2010.09.17**

Start Time: **14:15:05**

End Time:

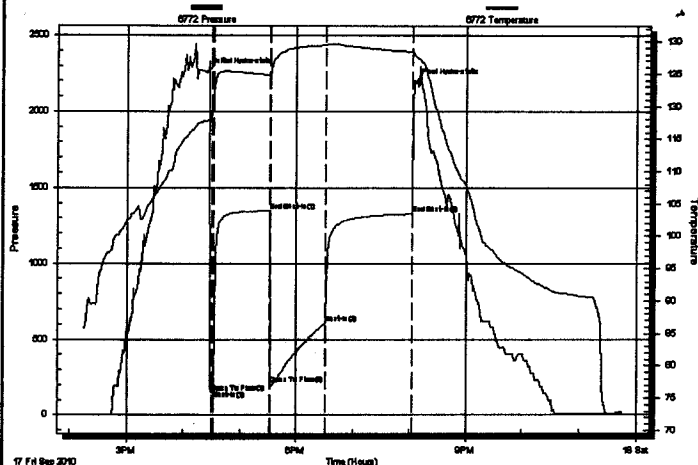
23:46:20

Time On Btm: **2010.09.17 @ 16:24:35**

Time Off Btm: **2010.09.17 @ 20:05:05**

TEST COMMENT: IF- Strong blow BOB, ASAO.
ISI- No blow back
FF- Strong blow BOB, ASAO, GTS 7min.
FSI- Weak blow back 3in. in bucket.

Pressure vs. Time



PRESSURE SUMMARY

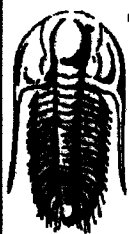
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2259.27	117.81	Initial Hydro-static
6	148.54	118.90	Open To Flow (1)
8	158.28	122.02	Shut-In (1)
67	1345.51	124.84	End Shut-In (1)
68	206.43	124.66	Open To Flow (2)
126	606.59	129.40	Shut-In (2)
219	1325.89	128.42	End Shut-In (2)
221	2190.16	127.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
966.00	100% water	11.87
434.00	GO 80%o 20%g trace of mud	6.09

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	7.50	8.20
Max. Gas Rate	0.13	7.50	8.20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Exploration

Maxine #1

2400 N Woodlawn Ste. 115 Wichita Ks. 67220-3966

6-30-31 Haskell, Ks

Job Ticket: 40279

DST#: 1

ATTN: Tom Williams

Test Start: 2010.09.17 @ 14:15:00

Tool Information

Drill Pipe:	Length: 4467.00 ft	Diameter: 3.80 inches	Volume: 62.66 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	63.57 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	4654.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 ft				
Tool Length:	46.00 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			4625.00	
Shut In Tool	5.00			4630.00	
Sampler	2.00			4632.00	
Hydraulic tool	5.00			4637.00	
Jars	5.00			4642.00	
Safety Joint	3.00			4645.00	
Packer	5.00			4650.00	30.00 Bottom Of Top Packer
Packer	4.00			4654.00	
Stubb	1.00			4655.00	
Perforations	2.00			4657.00	
Recorder	0.00	6772	Inside	4657.00	
Recorder	0.00	8355	Inside	4657.00	
Perforations	10.00			4667.00	
Bullnose	3.00			4670.00	16.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

White Exploration

Maxine #1

2400 N Woodlawn Ste. 115 Wichita Ks. 67220-3966

6-30-31 Haskell, Ks

Job Ticket: 40279

DST#: 1

ATTN: Tom Williams

Test Start: 2010.09.17 @ 14:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

50000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
966.00	100% water	11.865
434.00	GO 80%o 20%g trace of mud	6.088

Total Length: 1400.00 ft

Total Volume: 17.953 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data- 2000 ML water @ 1320 PSI



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

White Exploration

Maxine #1

2400 N Woodlawn Ste. 115 Wichita Ks. 67220-3966

6-30-31 Haskell, Ks

Job Ticket: 40279

DST#: 1

ATTN: Tom Williams

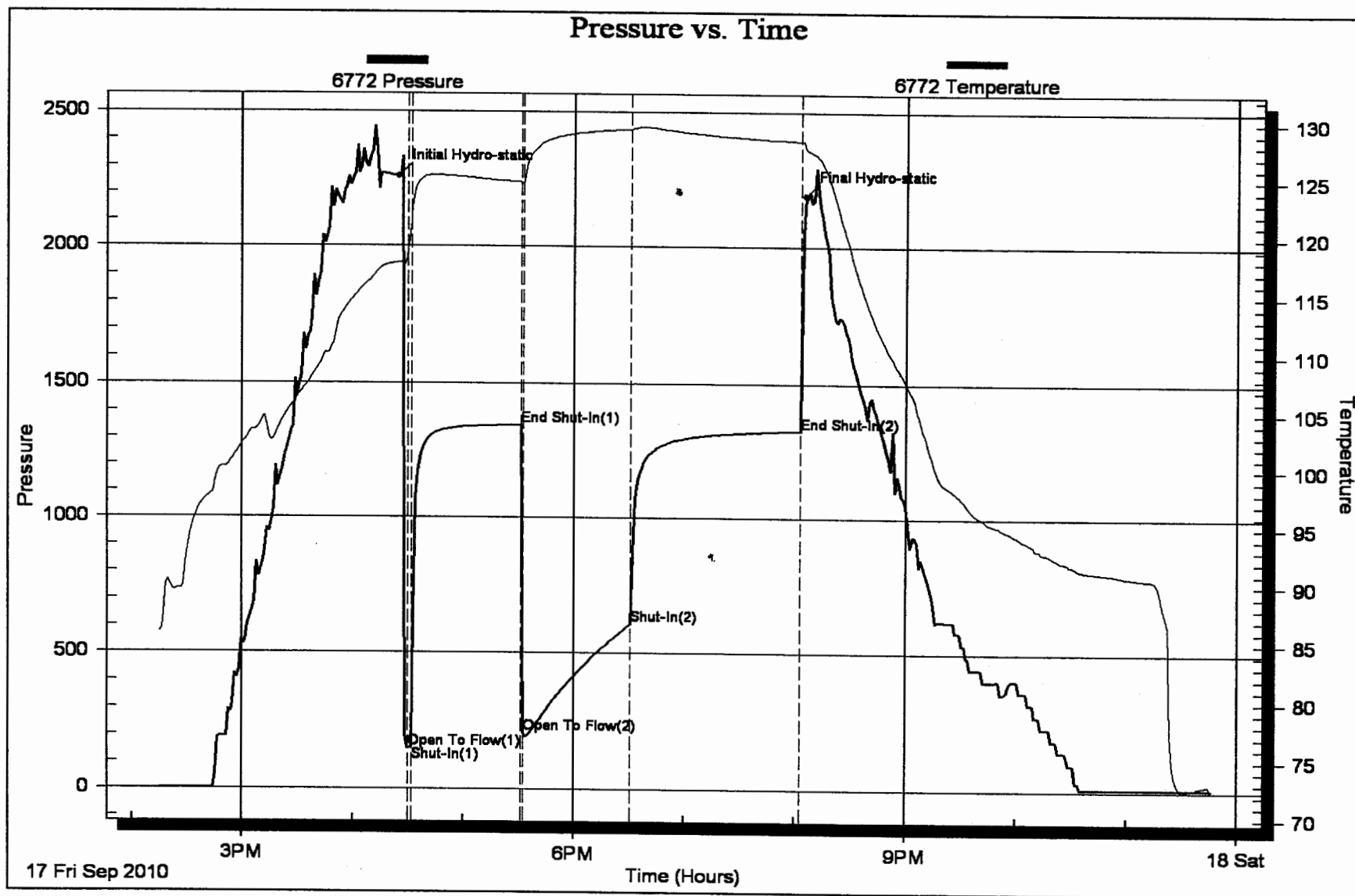
Test Start: 2010.09.17 @ 14:15:00

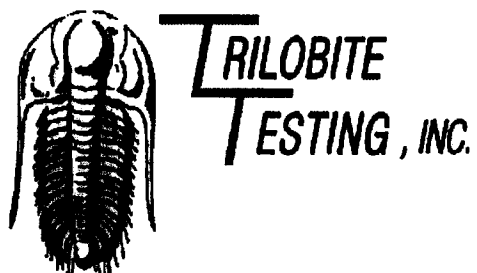
Gas Rates Information

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	0.13	5.00	7.26
2	10	0.13	5.00	7.26
2	10	0.13	5.00	7.26
2	10	0.13	5.00	7.26
2	10	0.13	5.00	7.26
2	20	0.13	7.50	8.20





DRILL STEM TEST REPORT

Prepared For: **White Exploration**

2400 N Woodlawn Ste. 115 Wichita Ks.
67220-3966

ATTN: Tom Williams

6-30-31 Haskell, Ks

Maxine #1

Start Date: 2010.09.20 @ 09:45:00

End Date: 2010.09.20 @ 18:44:15

Job Ticket #: 40280 DST #: 2

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

White Exploration

Maxine #1

2400 N Woodlaw n Ste. 115 Wichita Ks. 67220-3966

6-30-31 Haskell, Ks

ATTN: Tom Williams

Job Ticket: 40280

DST#: 2

Test Start: 2010.09.20 @ 09:45:00

GENERAL INFORMATION:

Formation: **Morrow LM**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:15:20

Time Test Ended: 18:44:15

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **5256.00 ft (KB) To 5270.00 ft (KB) (TVD)**

Total Depth: 5270.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2880.00 ft (KB)

2870.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6772

Inside

Press@RunDepth: 35.01 psig @ 5259.00 ft (KB)

Start Date: 2010.09.20

End Date:

2010.09.20

Start Time: 09:45:05

End Time:

18:44:15

Capacity: 8000.00 psig

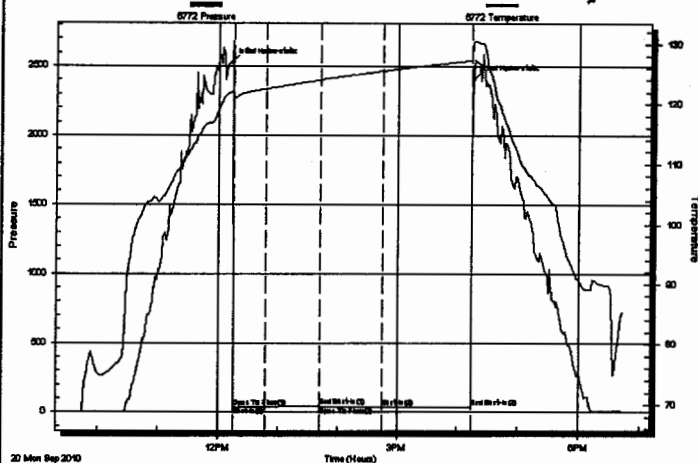
Last Calib.: 2010.09.20

Time On Btm: 2010.09.20 @ 12:12:25

Time Off Btm: 2010.09.20 @ 16:16:09

TEST COMMENT: IF- Weak surface blow.
IS- No blow back.
FF- No blow.
FS- No blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2527.74	122.07	Initial Hydro-static
3	37.27	121.58	Open To Flow (1)
36	36.94	122.57	Shut-In (1)
90	46.23	124.00	End Shut-In (1)
90	40.84	124.00	Open To Flow (2)
153	35.01	125.54	Shut-In (2)
242	37.31	127.35	End Shut-In (2)
244	2409.70	130.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud	0.02

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Exploration

Maxine #1

2400 N Woodlawn Ste. 115 Wichita Ks. 67220-3966

6-30-31 Haskell, Ks

Job Ticket: 40280

DST#: 2

ATTN: Tom Williams

Test Start: 2010.09.20 @ 09:45:00

Tool Information

Drill Pipe:	Length: 5057.00 ft	Diameter: 3.80 inches	Volume: 70.94 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: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	110000.0 lb
		Total Volume:	71.84 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	5256.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	14.00 ft				
Tool Length:	44.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5227.00	
Shut In Tool	5.00			5232.00	
Sampler	2.00			5234.00	
Hydraulic tool	5.00			5239.00	
Jars	5.00			5244.00	
Safety Joint	3.00			5247.00	
Packer	5.00			5252.00	30.00 Bottom Of Top Packer
Packer	4.00			5256.00	
Stubb	1.00			5257.00	
Perforations	2.00			5259.00	
Recorder	0.00	6772	Inside	5259.00	
Recorder	0.00	8355	Inside	5259.00	
Perforations	8.00			5267.00	
Bullnose	3.00			5270.00	14.00 Bottom Packers & Anchor

Total Tool Length: 44.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

White Exploration

Maxine #1

2400 N Woodlawn Ste. 115 Wichita Ks. 67220-3966

6-30-31 Haskell, Ks

Job Ticket: 40280

DST#: 2

ATTN: Tom Williams

Test Start: 2010.09.20 @ 09:45:00

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

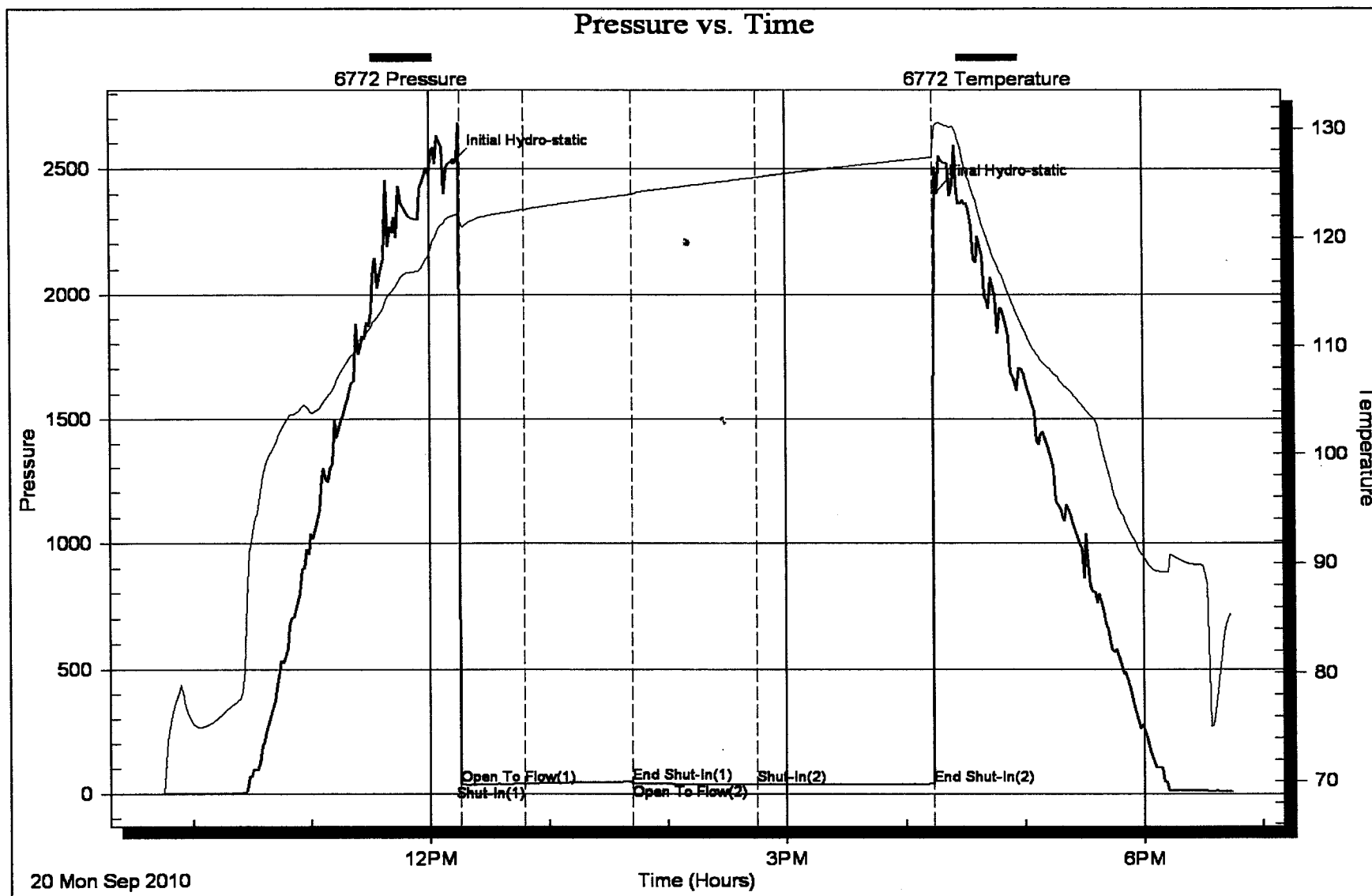
Num Gas Bombs: 0

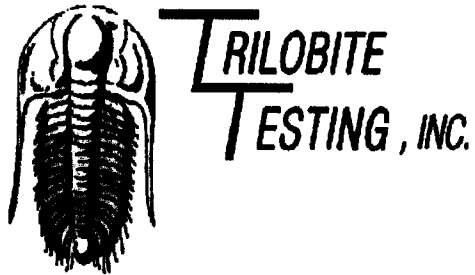
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data- trace of mud @ 10 PSI





DRILL STEM TEST REPORT

Prepared For: **White Exploration**

2400 N Woodlawn Ste. 115 Wichita Ks.
67220-3966

ATTN: Tom Williams

6-30-31 Haskell,Ks

Maxine #1

Start Date: 2010.09.22 @ 04:30:00

End Date: 2010.09.22 @ 14:16:40

Job Ticket #: 40281 DST #: 3

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

White Exploration

Maxine #1

2400 N Woodlaw n Ste. 115 Wichita Ks. 67220-3966

6-30-31 Haskell, Ks

Job Ticket: 40281

DST#: 3

ATTN: Tom Williams

Test Start: 2010.09.22 @ 04:30:00

GENERAL INFORMATION:

Formation: **St. Louis**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 07:26:25

Time Test Ended: 14:16:40

Test Type: **Conventional Bottom Hole**

Tester: **Harley Davidson**

Unit No: **33**

Interval: **5546.00 ft (KB) To 5570.00 ft (KB) (TVD)**

Reference Elevations: **2880.00 ft (KB)**

Total Depth: **5570.00 ft (KB) (TVD)**

2870.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: 10.00 ft

Serial #: 6772

Inside

Press@RunDepth: **94.32 psig @ 5549.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.09.22**

End Date: **2010.09.22**

Last Calib.: **2010.09.22**

Start Time: **04:30:05**

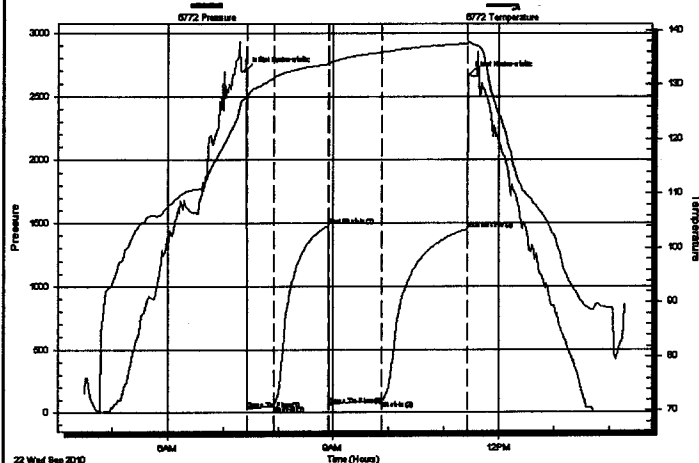
End Time: **14:16:39**

Time On Btm: **2010.09.22 @ 07:23:50**

Time Off Btm: **2010.09.22 @ 11:27:35**

TEST COMMENT: IF- Weak building blow 6" in the bucket.
IS- No blow back.
FF- Weak building blow 6" in the bucket.
FS- No blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2700.94	127.60	Initial Hydro-static
3	28.13	127.22	Open To Flow (1)
31	54.59	131.20	Shut-In(1)
92	1480.34	133.75	End Shut-In(1)
93	59.97	133.68	Open To Flow (2)
150	94.32	135.98	Shut-In(2)
243	1452.32	137.52	End Shut-In(2)
244	2664.72	137.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Water	0.05
180.00	20%O 80%M	0.94
0.00	1000' GIP	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Exploration

Maxine #1

2400 N Woodlaw n Ste. 115 Wichita Ks. 67220-3966

6-30-31 Haskell, Ks

Job Ticket: 40281

DST#: 3

ATTN: Tom Williams

Test Start: 2010.09.22 @ 04:30:00

Tool Information

Drill Pipe:	Length: 5341.00 ft	Diameter: 3.80 inches	Volume: 74.92 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: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	81000.00 lb
			Total Volume: 75.82 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	71000.00 lb
Depth to Top Packer:	5546.00 ft			Final	81000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	54.00 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			5517.00	
Shut In Tool	5.00			5522.00	
Sampler	2.00			5524.00	
Hydraulic tool	5.00	*		5529.00	
Jars	5.00	.		5534.00	
Safety Joint	3.00			5537.00	
Packer	5.00			5542.00	30.00 Bottom Of Top Packer
Packer	4.00			5546.00	
Stubb	1.00			5547.00	
Perforations	2.00			5549.00	
Recorder	0.00	6772	Inside	5549.00	
Recorder	0.00	8355	Inside	5549.00	
Perforations	18.00			5567.00	
Bullnose	3.00			5570.00	24.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

White Exploration

Maxline #1

2400 N Woodlawn Ste. 115 Wichita Ks. 67220-3966

6-30-31 Haskell, Ks

Job Ticket: 40281

DST#: 3

ATTN: Tom Williams

Test Start: 2010.09.22 @ 04:30:00

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: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Water	0.049
180.00	20%O 80%M	0.940
0.00	1000' GIP	0.000

Total Length: 190.00 ft Total Volume: 0.989 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data- 1450 PSI oil 20% of 2000 ML, 80% mud out of 2000ML trace of gas and water.

