15-175-22059 7-34s-33w

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Midwestern Exploration**

3500 S Boulevard Ste 2B
Edmond OK 73013

ATTN: Tom William

7 34 33W

Metcalf 1-7

Start Date: 2006.09.29 @ 14:14:27
End Date: 2006.09.30 @ 09:56:21
Job Ticket #: 25745 DST #: 1

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KANSAS CORPORATION COMMISSION
SEP 0 2 2008
CONSERVATION DIVISION
WICHITA, KS

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

Midwestern Exploration Metcalf 1-7 7 34 33W DST # 1 Morrow Sand 2006.09.29

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Midwestern Exploration
3500 S Boulevard Ste 2B
Edmond OK 73013

ATTN: Tom William

Metcalf 1-7

7 34 33W

Job Ticket: 25745 **DST#: 1**

Test Start: 2006.09.29 @ 14:14:27

GENERAL INFORMATION:

Formation: **Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:29:37
Time Test Ended: 09:56:21

Test Type: Conventional Bottom Hole
Tester: Alex Brechbuhler Jr.
Unit No: 20

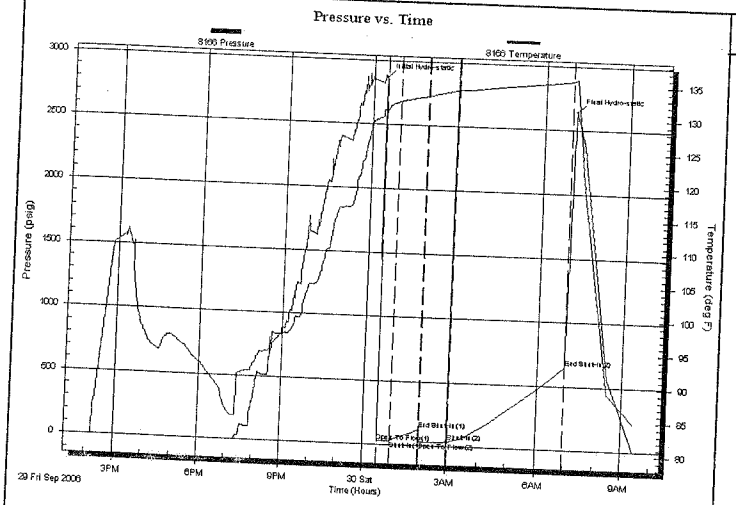
Interval: 6023.00 ft (KB) To 6070.00 ft (KB) (TVD)
Total Depth: 6070.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2889.00 ft (KB)
2875.00 ft (CF)
KB to GR/CF: 14.00 ft

Serial #: 8166 **Inside**
Press@RunDepth: 38.77 psig @ 6057.00 ft (KB)
Start Date: 2006.09.29 End Date: 2006.09.30
Start Time: 14:14:27 End Time: 09:56:21

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2006.09.30 @ 00:28:37
Time Off Btm: 2006.09.30 @ 07:06:22

TEST COMMENT: IF Weak Building Blow 5 inches in 30 minutes
ISI No Blow back
FF Weak Building Blow , 10 inches in 60 minutes
FSI No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2873.66	130.67	Initial Hydro-static
1	27.79	130.13	Open To Flow (1)
31	35.03	131.87	Shut-In(1)
91	129.06	132.72	End Shut-In(1)
91	30.83	132.70	Open To Flow (2)
152	38.77	133.76	Shut-In(2)
388	649.55	135.50	End Shut-In(2)
398	2644.43	135.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Mud	0.05
349.00	GIP	1.72

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

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TOOL DIAGRAM

TRILOBITE TESTING, INC

Midwestern Exploration

3500 S Boulevard Ste 2B
Edmond OK 73013

ATTN: Tom William

Metcalf 1-7

7 34 33W

Job Ticket: 25745 **DST#: 1**

Test Start: 2006.09.29 @ 14:14:27

Tool Information

Drill Pipe:	Length:	5658.00 ft	Diameter:	3.80 inches	Volume:	79.37 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:		20000.00 lb
Drill Collar:	Length:	359.00 ft	Diameter:	2.25 inches	Volume:	1.77 bbl	Weight to Pull Loose:		110000.0 lb
					Total Volume:	81.14 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight:	Initial	88000.00 lb
Depth to Top Packer:		6023.00 ft						Final	88000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		47.00 ft							
Tool Length:		73.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			6002.00		
Hydraulic tool	5.00			6007.00		
Jars	5.00			6012.00		
Safety Joint	2.00			6014.00		
Packer	5.00			6019.00	26.00	Bottom Of Top Packer
Packer	4.00		Inside	6023.00		
Stubb	1.00			6024.00		
Perforations	1.00			6025.00		
Change Over Sub	1.00			6026.00		
Drill Pipe	30.00			6056.00		
Change Over Sub	1.00			6057.00		
Recorder	0.00	8166	Inside	6057.00		
Perforations	10.00			6067.00		
Recorder	0.00	13761		6067.00		
Bullnose	3.00			6070.00	47.00	Bottom Packers & Anchor
Total Tool Length:	**73.00**					

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WICHITA, KS

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Midwestern Exploration
3500 S Boulevard Ste 2B
Edmond OK 73013

ATTN: Tom William

Metcalf 1-7

7 34 33W

Job Ticket: 25745 **DST#: 1**

Test Start: 2006.09.29 @ 14:14:27

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:	ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1400.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% Mud	0.049
349.00	GIP	1.716

Total Length: 359.00 ft Total Volume: 1.765 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

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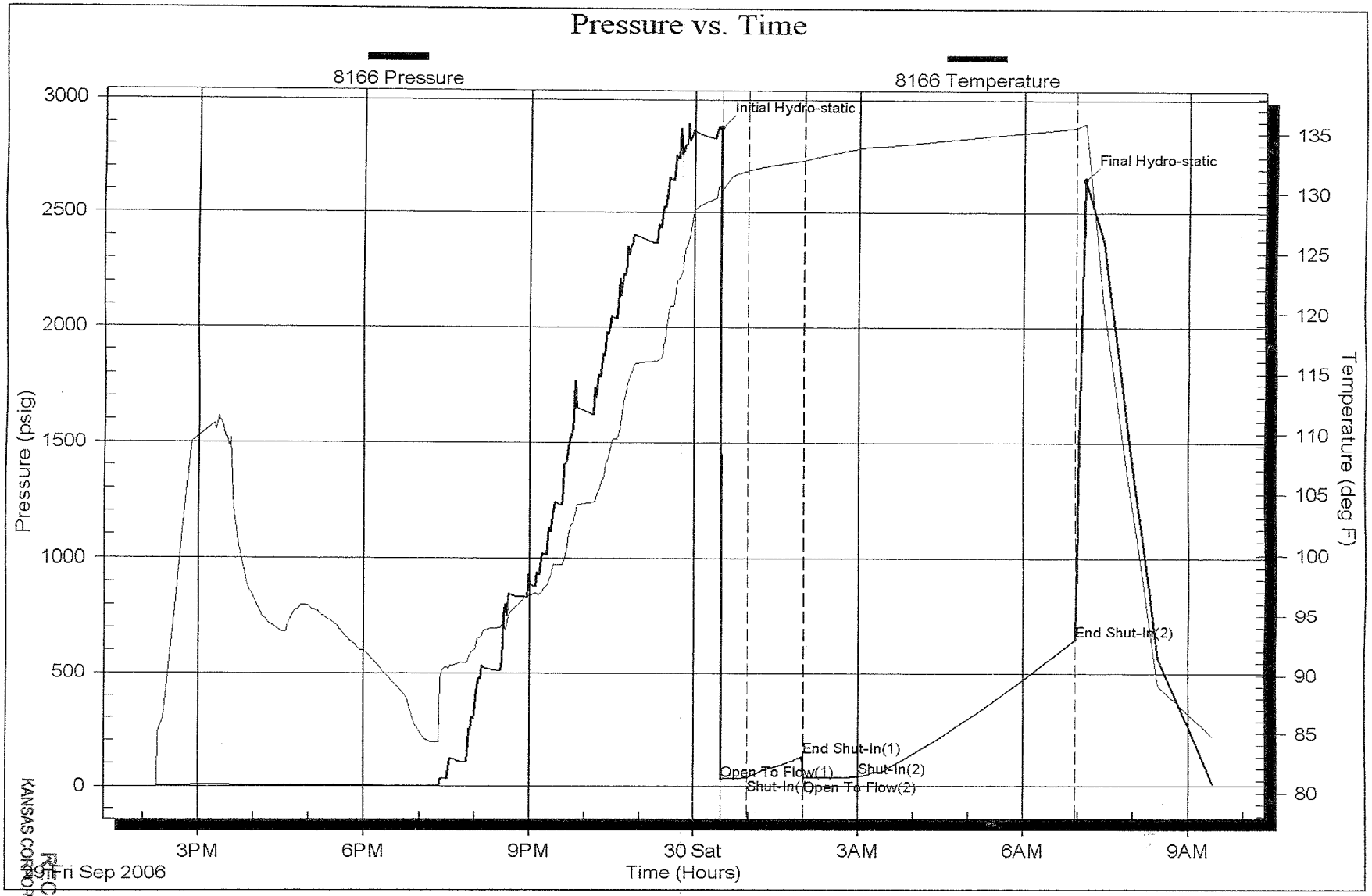

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CONSERVATION DIVISION
WICHITA, KS

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

25745

Test Ticket

Well Name & No. Metcalf 1-7 Test No. _____ Date 9-29-06

Company Midwestern Exploration Zone Tested Morrow Sand

Address 3500 S. Boulevard Suite 2B Edmond OK 73013 Elevation 2889 KB 2875 GL

Co. Rep / Geo. Tom William Rig Beredco 1

Location: Sec. 7 Twp. 34 Rge. 33w Co. _____ State _____

Comment: _____ Release date / time: _____

Interval Tested 6023 to 6070 Initial Str Wt./Lbs. 88K Unseated Str Wt/Lbs. 88K

Anchor Length 47 Wt. Set Lbs. 20K Wt. Pulled Loose/Lbs. 110K

Top Packer Depth 6018 Tool Weight 2K

Bottom Packer Depth 6023 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 6070 Wt. Pipe Run Ø Drill Collar Run 359

Mud Wt. 8.7 LCM 6 Vis. 51 WL 6.8 Drill Pipe Size 4.5XH Ft. Run 5658

Blow Description IF - Weak Building Blow, 5 inches
ISI - No Blowback
FF - Weak Building Blow, 10 inches
FSI - No Blowback

Recovery - Total Feet 10 GIP 349 Ft. in DC 10 Ft. in DP Ø

Rec. 10 Feet of Mud %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 135 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		2874 PSI	Recorder No.	8166	Test	1400
(B) First Initial Flow Pressure		28 PSI	(depth)	6019	Jars	250
(C) First Final Flow Pressure		35 PSI	Recorder No.	13762	Safety Jt.	75
(D) Initial Shut-In Pressure		129 PSI	(depth)	6070	Circ Sub	
(E) Second Initial Flow Pressure		30 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		39 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		650 PSI	**Initial Opening**	30	Ext. Packer	
(Q) Final Hydrostatic Mud		2644 PSI	Initial Shut-In	60	Shale Packer	
			Final Flow	60	Ruined Packer	200
			Final Shut-In	120	Mileage	31.25
			T-On Location	12:30 pm	Sub Total:	1956.25
			T-Started	2:15 pm	Std. By	No Standby
			T-Open	12:30 am	Acc. Chg:	
			T-Pulled	6:45	Other:	
			T-Out	9:45 am	Total:	1956.25

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Approved By Billy Daughtan

Our Representative [signature]