

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

8080 E Central Ste 300
Wichita KS 67206

ATTN: Robert Hendrix

21 32S 10W Barber KS

Underwood A#1-21

Start Date: 2006.09.16 @ 08:18:49

End Date: 2006.09.16 @ 17:23:34

Job Ticket #: 24943 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

McCoy Petl.Corp.

Underwood A#1-21

21 32S 10W Barber KS

DST # 1

Miss.

2006.09.16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petr. Corp.
 8080 E Central Ste 300
 Wichita KS 67206
 ATTN: Robert Hendrix

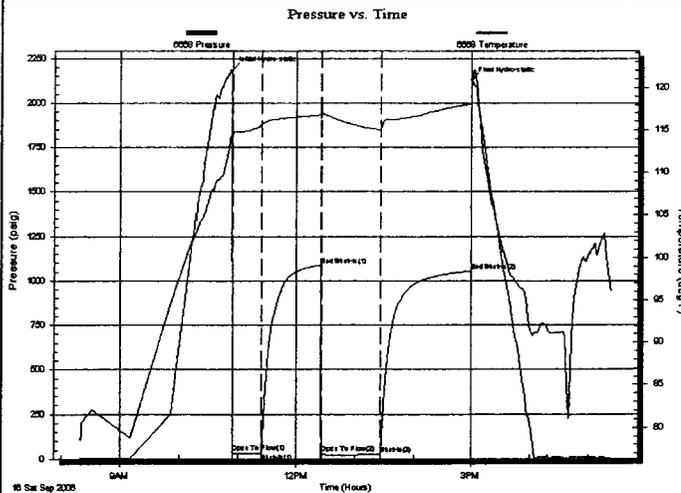
Underwood A#1-21
21 32S 10W Barber KS
 Job Ticket: 24943 **DST#: 1**
 Test Start: 2006.09.16 @ 08:18:49

GENERAL INFORMATION:

Formation: **Miss.**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 10:54:19
 Time Test Ended: 17:23:34
 Test Type: Conventional Bottom Hole
 Tester: Gary Pevoteaux
 Unit No: 23
 Interval: **4383.00 ft (KB) To 4410.00 ft (KB) (TVD)**
 Total Depth: 4410.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Reference Elevations: 1472.00 ft (KB)
 1463.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6668 **Inside**
 Press@RunDepth: 25.58 psig @ 4384.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.09.16 End Date: 2006.09.16 Last Calib.: 2006.09.16
 Start Time: 08:18:54 End Time: 17:23:34 Time On Btm: 2006.09.16 @ 10:53:34
 Time Off Btm: 2006.09.16 @ 14:59:48

TEST COMMENT: IF Strong blow BOB in 35 secs.
 ISI No blow
 FF Strong blow BOB in 1 - 2 secs. GTS in 11 mins. (see gas flow report)
 FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2182.88	114.45	Initial Hydro-static
1	35.00	114.51	Open To Flow (1)
31	33.20	115.69	Shut-In(1)
92	1088.12	116.79	End Shut-In(1)
93	33.50	116.61	Open To Flow (2)
152	25.58	114.96	Shut-In(2)
246	1055.31	118.08	End Shut-In(2)
247	2126.31	121.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	GCM 10%G 90%M	0.22

Gas Rates

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



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TOOL DIAGRAM

McCoy Petl. Corp.

Underwood A#1-21

8080 E Central Ste 300
Wichita KS 67206

21 32S 10W Barber KS

Job Ticket: 24943

DST#: 1

ATTN: Robert Hendrix

Test Start: 2006.09.16 @ 08:18:49

Tool Information

Drill Pipe:	Length: 4125.00 ft	Diameter: 3.80 inches	Volume: 57.86 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 71000.00 lb
		Total Volume:	59.04 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4383.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4360.00	
Shut In Tool	5.00			4365.00	
Hydraulic tool	5.00			4370.00	
Safety Joint	3.00			4373.00	
Packer	5.00			4378.00	24.00 Bottom Of Top Packer
Packer	5.00			4383.00	
Stubb	1.00			4384.00	
Recorder	0.00	6668	Inside	4384.00	
Anchor	23.00			4407.00	
Recorder	0.00	13266	Outside	4407.00	
Bullnose	3.00			4410.00	27.00 Bottom Packers & Anchor

Total Tool Length: 51.00



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FLUID SUMMARY

McCoy Petl. Corp.
8080 E Central Ste 300
Wichita KS 67206

ATTN: Robert Hendrix

Underwood A#1-21
21 32S 10W Barber KS
Job Ticket: 24943 **DST#: 1**
Test Start: 2006.09.16 @ 08:18:49

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	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
45.00	GCM 10%G 90%M	0.221

Total Length: 45.00 ft Total Volume: 0.221 bbl
Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: gp-1
Laboratory Name: Caraway Laboratory Location: Liberal, KS
Recovery Comments:

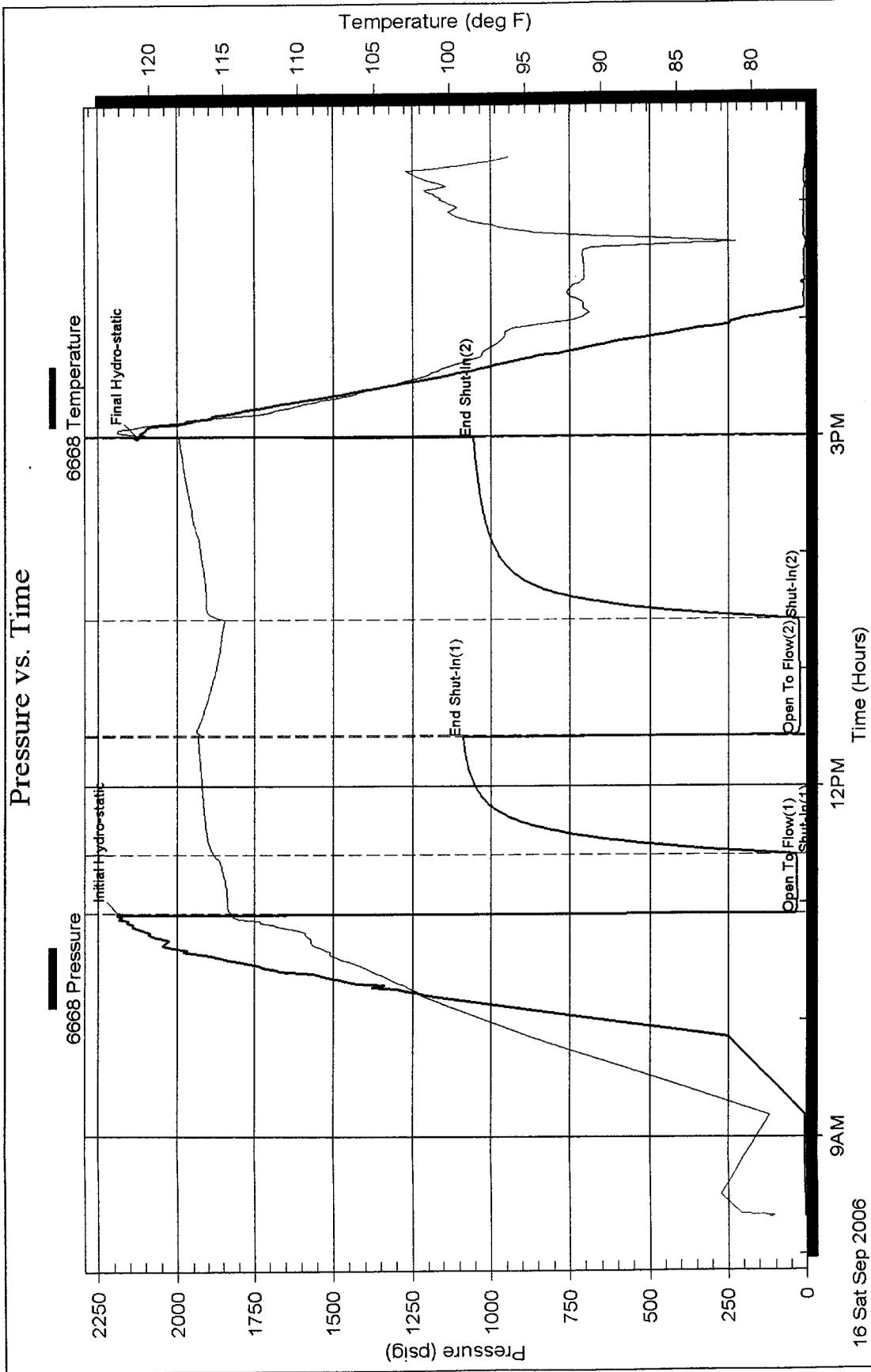
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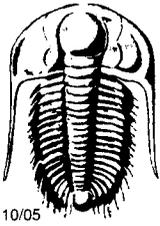
Inside

McCoy Petl. Corp.

21 32S 10W Barber KS

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9264

24943

Test Ticket

Well Name & No. Underwood A # 1-21 Test No. 1 Date 9-16-06
 Company McCoy Petrol. Corp. Zone Tested Miss.
 Address 8080 E. Central, Ste. 300, Wichita (Ks.) 67206 Elevation 1472 KB 1443 GL
 Co. Rep / Geo. Robert Hendrix Rig Stirling # 4
 Location: Sec. 21 Twp. 32^s Rge. 10^w Co. Barber State Ks.
 Comment: _____ Release date / time: _____

Interval Tested 4383 - 4410' Initial Str Wt./Lbs. 62,000 Unseated Str Wt./Lbs. 63,000
 Anchor Length _____ Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 71,000
 Top Packer Depth _____ Tool Weight 2100#
 Bottom Packer Depth 4378' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4410' Wt. Pipe Run None Drill Collar Run 240
 Mud Wt. 9.3 LCM --- Vis. 47 WL 9.6cc Drill Pipe Size 4 1/2" Ft. Run 4125
 Blow Description IF: Strong blow. B.O.B. in 35 secs. ISI: No below.

FF: Strong delay. B.O.B. in 1-2 secs. GTS in 11 mins. (see gas blow report) FSI: No below.

Recovery - Total Feet 45 GIP yes Ft. in DC 45 Ft. in DP 0
 Rec. 45 Feet of GCM 10 %gas %oil %water 90 %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 118 °F Gravity N/A °API D @ _____ °F Corrected Gravity N/A °API
 RW N.C. @ _____ °F Chlorides 4,000 ppm Recovery _____ Chlorides 4,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2185</u> PSI	<u>6668</u>	<u>1200</u>
(B) First Initial Flow Pressure		<u>35</u> PSI	<u>4484'</u>	<u>75</u>
(C) First Final Flow Pressure		<u>33</u> PSI	<u>13266</u>	<u>✓</u>
(D) Initial Shut-In Pressure		<u>1088</u> PSI	<u>4407'</u>	
(E) Second Initial Flow Pressure		<u>34</u> PSI	<u>---</u>	
(F) Second Final Flow Pressure		<u>26</u> PSI	<u>---</u>	
(G) Final Shut-In Pressure		<u>1055</u> PSI	<u>30</u>	
(Q) Final Hydrostatic Mud		<u>2130</u> PSI	<u>60</u>	
			<u>60</u>	
			<u>90</u>	
			<u>0640</u>	
			<u>0818</u>	
			<u>1054</u>	
			<u>1500</u>	
			<u>1723</u>	

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Approved By [Signature]
 Our Representative [Signature]

T-Started _____
 T-Open _____
 T-Pulled _____
 T-Out _____

Initial Opening 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90
 T-On Location 0640
 Sub Total: 1380
 Std. By 15 ✓ 150
 Acc. Chg: _____
 Other: _____
 Total: 1530.00

CHART PAGE

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

