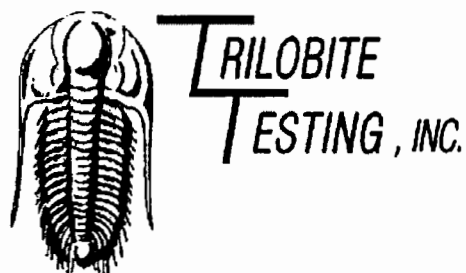


15-187-21054

13-30s-41w



DRILL STEM TEST REPORT

Prepared For: **Kenneth S. White**

2400 N. Woodlawn, Suite 115 Wichita Ks.
67220

ATTN: Wes Hansen

13/30s/41w

Barnhardt #1

Start Date: 2005.05.17 @ 17:15:13

End Date: 2005.05.18 @ 02:14:43

Job Ticket #: 22492 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Kenneth S. White

Barnhardt #1

13/30s/41w

DST # 1

Keyes Sand

2005.05.17



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Kenneth S. White

Barnhardt #1

2400 N. Woodlaw n, Suite 115 Wichita Ks. 67220

13/30s/41w

Job Ticket: 22492

DST#: 1

ATTN: Wes Hansen

Test Start: 2005.05.17 @ 17:15:13

GENERAL INFORMATION:

Formation: **Keyes Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:29:28

Time Test Ended: 02:14:43

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **5290.00 ft (KB) To 5392.00 ft (KB) (TVD)**

Reference Elevations: 3356.00 ft (KB)

Total Depth: 5392.00 ft (KB) (TVD)

3347.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 6769

Inside

Press@RunDepth: 42.87 psig @ 5357.00 ft (KB)

Capacity: 7000.00 psig
Last Calib.: 1899.12.30

Start Date: 2005.05.17

End Date:

2005.05.18

Start Time: 17:15:15

End Time:

02:14:43

Time On Btm: 2005.05.17 @ 19:28:13

Time Off Btm: 2005.05.17 @ 22:37:13

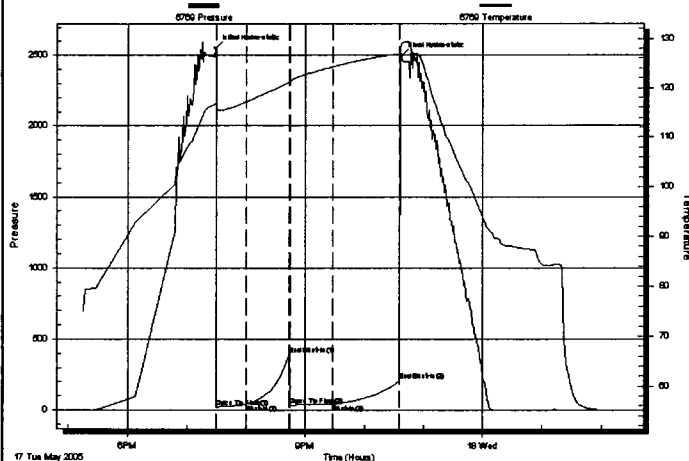
TEST COMMENT: IF- Weak blow , built to 1" into bucket.

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	2551.58	116.77	Initial Hydro-static
2	20.69	116.05	Open To Flow (1)
32	41.50	117.16	Shut-In(1)
76	391.34	121.14	End Shut-In(1)
76	36.20	121.32	Open To Flow (2)
120	42.87	124.27	Shut-In(2)
187	211.42	126.95	End Shut-In(2)
189	2491.43	128.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% mud.	0.30

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Kenneth S. White

Barnhardt #1

2400 N. Woodlaw n, Suite 115 Wchita Ks. 67220

13/30s/41w

Job Ticket: 22492

DST#: 1

ATTN: Wes Hansen

Test Start: 2005.05.17 @ 17:15:13

Tool Information

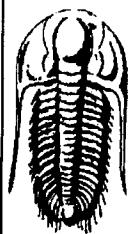
Drill Pipe:	Length: 4686.00 ft	Diameter: 3.80 inches	Volume: 65.73 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 605.00 ft	Diameter: 2.25 inches	Volume: 2.98 bbl	Weight to Pull Loose:	120000.0 lb
			Total Volume: 68.71 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	92000.00 lb
Depth to Top Packer:	5290.00 ft			Final	92000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	102.00 ft				
Tool Length:	133.00 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	2.00			5261.00	
Shut In Tool	5.00			5266.00	
Sampler	3.00			5269.00	
Hydraulic tool	5.00			5274.00	
Jars	5.00			5279.00	
Safety Joint	2.00			5281.00	
Packer	5.00			5286.00	31.00 Bottom Of Top Packer
Packer	4.00			5290.00	
Stubb	1.00			5291.00	
Perforations	1.00			5292.00	
Change Over Sub	1.00			5293.00	
Drill Pipe	63.00			5356.00	
Change Over Sub	1.00			5357.00	
Recorder	0.00	6769	Inside	5357.00	
Perforations	31.00			5388.00	
Recorder	0.00	6724	Outside	5388.00	
Bullnose	4.00			5392.00	102.00 Bottom Packers & Anchor
Total Tool Length:	133.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Kenneth S. White

Barnhardt #1

2400 N. Woodlaw n, Suite 115 Wichita Ks. 67220

13/30s/41w

Job Ticket: 22492

DST#: 1

ATTN: Wes Hansen

Test Start: 2005.05.17 @ 17:15:13

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: 7.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	100% mud.	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data- 200 ML. 100% mud @ 100 psi.

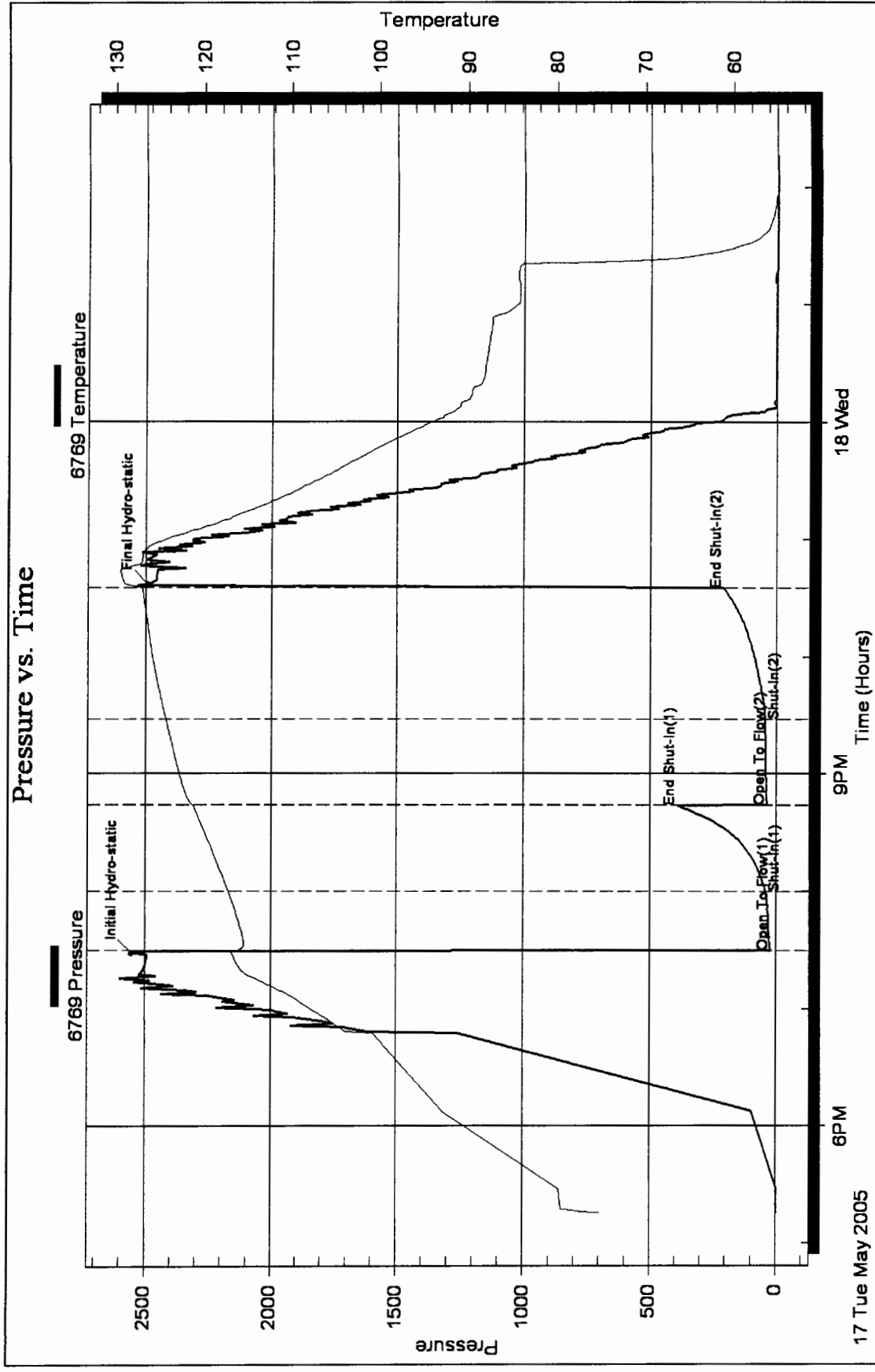
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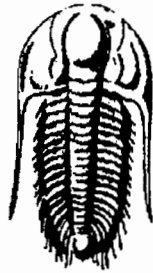
Inside

Kenneth S. White

13/30s/41w

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Kenneth S. White**

2400 N. Woodlawn, Suite 115 Wichita Ks.
67220

ATTN: Wes Hansen

13/30s/41w

Barnhardt #1

Start Date: 2005.05.18 @ 23:29:03

End Date: 2005.05.19 @ 10:08:18

Job Ticket #: 22493 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

Kenneth S. White

Barnhardt #1

2400 N. Woodlawn, Suite 115 Wichita Ks. 67220

13/30s/41w

Job Ticket: 22493

DST#: 2

ATTN: Wes Hansen

Test Start: 2005.05.18 @ 23:29:03

GENERAL INFORMATION:

Formation: **Lower Morrow**

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

Time Tool Opened: 01:52:48

Time Test Ended: 10:08:18

Test Type: **Conventional Bottom Hole**

Tester: **Harley Davidson**

Unit No: **33**

Interval: **5384.00 ft (KB) To 5487.00 ft (KB) (TVD)**

Reference Elevations: **3356.00 ft (KB)**

Total Depth: **5487.00 ft (KB) (TVD)**

3347.00 ft (CF)

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

KB to GR/CF: **9.00 ft**

Serial #: 6769 **Inside**

Press@RunDepth: **922.52 psig @ 5451.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.05.18**

End Date:

2005.05.19

Last Calib.: **1899.12.30**

Start Time: **23:29:05**

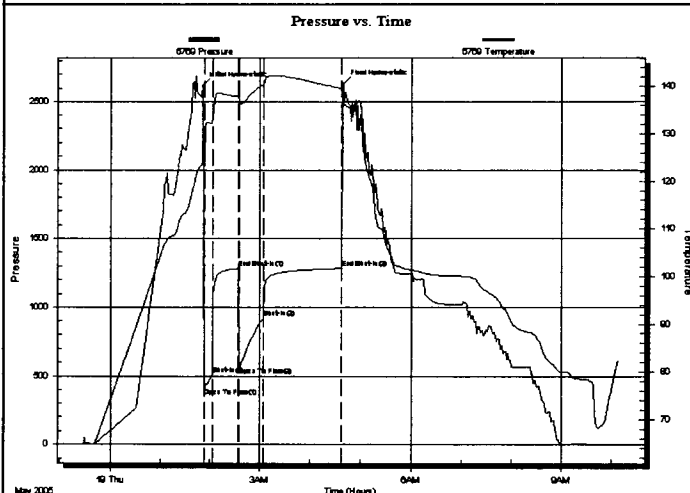
End Time:

10:08:18

Time On Btm: **2005.05.19 @ 01:51:33**

Time Off Btm: **2005.05.19 @ 04:39:03**

TEST COMMENT: IF- Strong blow, BOB 1min, No GTS.
IS- Bleed off for 10 min. BOB 1min.
FF- BOB, GTS, ASAO, To small to gauge.
FS- BOB, 1min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2613.92	123.90	Initial Hydro-static
2	349.13	124.37	Open To Flow (1)
12	508.06	132.30	Shut-In(1)
43	1282.85	137.95	End Shut-In(1)
44	569.42	137.21	Open To Flow (2)
73	922.52	140.44	Shut-In(2)
166	1282.57	139.62	End Shut-In(2)
168	2630.33	135.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2610.00	G.O. 50% gas 50% oil.	31.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Kenneth S. White

Barnhardt #1

2400 N. Woodlawn, Suite 115 Wichita Ks. 67220

13/30s/41w

Job Ticket: 22493

DST#: 2

ATTN: Wes Hansen

Test Start: 2005.05.18 @ 23:29:03

Tool Information

Drill Pipe:	Length: 4778.00 ft	Diameter: 3.80 inches	Volume: 67.02 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: 605.00 ft	Diameter: 2.25 inches	Volume: 2.98 bbl	Weight to Pull Loose: 110000.0 lb
		Total Volume:	70.00 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 88000.00 lb
Depth to Top Packer:	5384.00 ft			Final 95000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	103.00 ft			
Tool Length:	134.00 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	2.00			5355.00	
Shut In Tool	5.00			5360.00	
Sampler	3.00			5363.00	
Hydraulic tool	5.00			5368.00	
Jars	5.00			5373.00	
Safety Joint	2.00			5375.00	
Packer	5.00			5380.00	31.00 Bottom Of Top Packer
Packer	4.00			5384.00	
Stubb	1.00			5385.00	
Perforations	1.00			5386.00	
Change Over Sub	1.00			5387.00	
Drill Pipe	63.00			5450.00	
Change Over Sub	1.00			5451.00	
Recorder	0.00	6769	Inside	5451.00	
Perforations	32.00			5483.00	
Recorder	0.00	6724	Outside	5483.00	
Bullnose	4.00			5487.00	103.00 Bottom Packers & Anchor
Total Tool Length:	134.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Kenneth S. White

Barnhardt #1

2400 N. Woodlawn, Suite 115 Wichita Ks. 67220

13/30s/41w

Job Ticket: 22493

DST#: 2

ATTN: Wes Hansen

Test Start: 2005.05.18 @ 23:29:03

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2610.00	G.O. 50% gas 50% oil.	31.100

Total Length: 2610.00 ft

Total Volume: 31.100 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: Sampler Data- 18 cfd, gas, 2000ML, oil 43 API. "No Water"

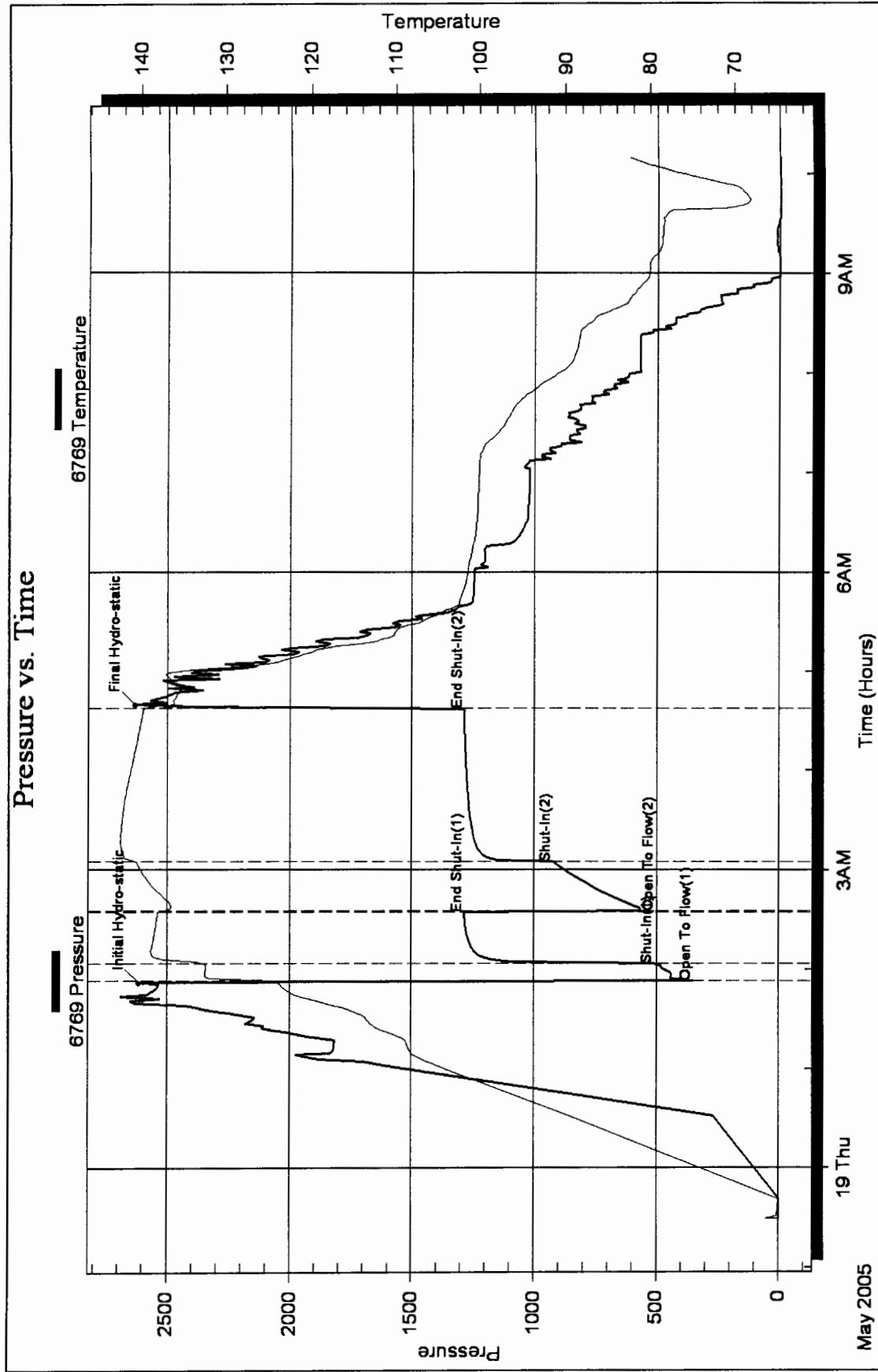
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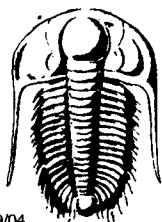
Inside

Kenneth S. White

13/30s/41w

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 17500

No 22492

Test Ticket

Well Name & No. Barnhardt #1 Test No. 1 Date 5-17-05
 Company Kenneth S. White Zone Tested Keyes Sand.
 Address 2400 N. Woodlawn, Suite 115 Wichita, KS 67220 Elevation 3356 KB 3347 GL
 Co. Rep / Geo. Wes Hansen Cont. Mullin #25 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 30s Rge. 41w Co. Stanton State Ks.
 No. of Copies 1 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5290 - 5392 Initial Str Wt./Lbs. 92K Unseated Str Wt./Lbs. 120K
 Anchor Length 102 Wt. Set Lbs. 25K Wt. Pulled Loose/Lbs. 92K
 Top Packer Depth 5285 Tool Weight 2000
 Bottom Packer Depth 5290 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5392 Wt. Pipe Run 0 Drill Collar Run 605
 Mud Wt. 9.2 LCM 3 Vis. 50 WL 8.0 Drill Pipe Size 4.5 Ft. Run 41686
 Blow Description IF - weak blow, built to 1" into bucket.
ISI - No blow back
FF - No blow.
FSI - No blow back.

Recovery - Total Feet 60 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 60 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 127 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 300 ppm System

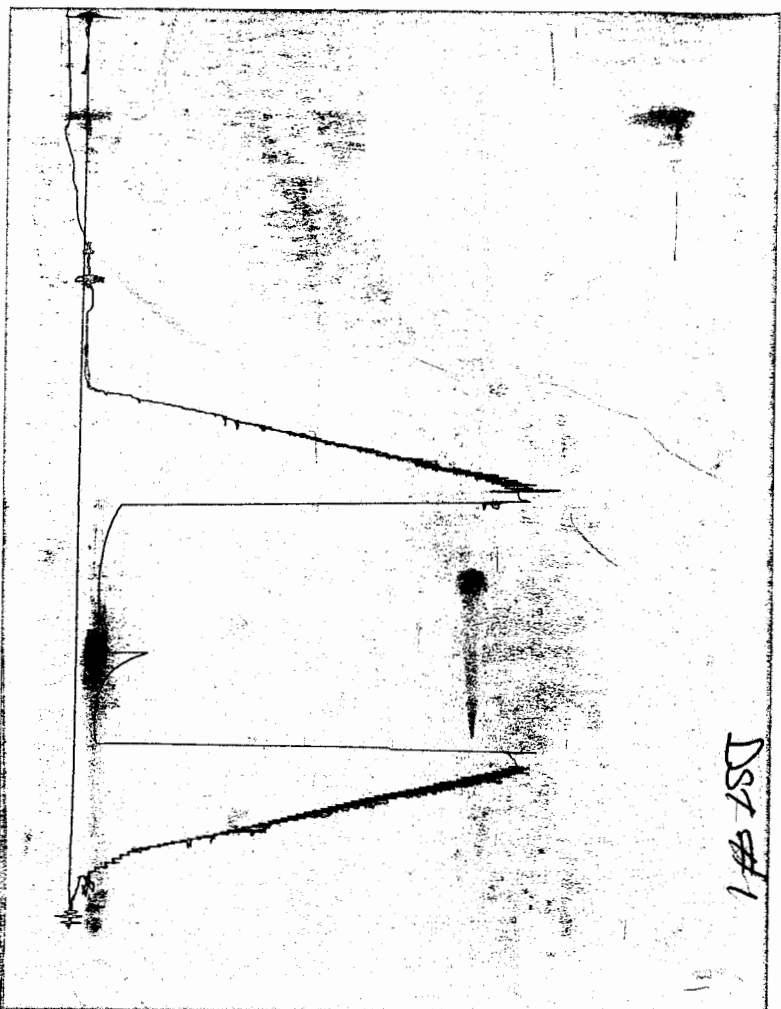
(A) Initial Hydrostatic Mud	AK-1	Alpine	2552	PSI	Recorder No.	6769	Test	1150°°	hrs.
(B) First Initial Flow Pressure			21	PSI	(depth)	5294	Jars	200°°	
(C) First Final Flow Pressure			42	PSI	Recorder No.	11018	Safety Jt.	50°°	
(D) Initial Shut-In Pressure			391	PSI	(depth)	5392	Circ Sub		
(E) Second Initial Flow Pressure			36	PSI	Recorder No.		Sampler	200°°	
(F) Second Final Flow Pressure			43	PSI	(depth)		Straddle		
(G) Final Shut-In Pressure			211	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			2491	PSI	Initial Shut-In	45	Shale Packer		
					Final Flow	45	Ruined Packer		
					Final Shut-In	60	Mileage	43x2=86°°	
					T-On Location	4:45 PM	Sub Total:	1686°°	
					T-Started	5:15 PM	Std. By		
					T-Open	7:30 PM	Other		
					T-Pulled	10:45 PM	Total:	1686°°	
					T-Out	2:15 AM			

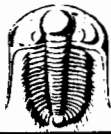
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Wesley P. Hansen
 Our Representative Handley Land

CHART PAGE

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





TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. L 22492 Date 3-17-05
Company Name Kenneth S. White
Lease Bainhardt #1 Test No. 1
County Stanton Sec. 13 Twp. 30s Rng. 41w

SAMPLER RECOVERY

Gas 0 ML
Oil 0 ML
Mud 200 ML
Water 0 ML
Other _____ ML
Pressure 100 psi ML
Total _____ ML

PIT MUD ANALYSIS

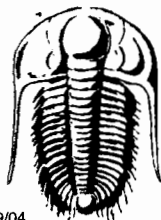
Chlorides 300 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 50
Mud Weight 9.2
Filtrate 7.9
Other LCM 3#

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity _____ corrected @60F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22493

Test Ticket

Well Name & No. Bainhardt #1 Test No. 2 Date 5-18-05
 Company Kenneth S. White Zone Tested Lower Morrow
 Address 2400 N Woodlawn S15 Wichita KS 67220 Elevation 3356 KB 3347 GL
 Co. Rep / Geo. Wes Hansen Cont. Mof. 25 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 30 s Rge. 41 w Co. Stanton State Ks.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5384 - 5487 Initial Str Wt./Lbs. 88K Unseated Str Wt./Lbs. 110K 5)
 Anchor Length 103 Wt. Set Lbs. 25K Wt. Pulled Loose/Lbs. 95K 5)
 Top Packer Depth 5379 Tool Weight 2000
 Bottom Packer Depth 5384 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5487 Wt. Pipe Run 0 Drill Collar Run 605
 Mud Wt. 9.0 LCM 6" Vis. 53 WL 7.2 Drill Pipe Size 4.5 Ft. Run 4778
 Blow Description IF - Strong blow BOB 1min "no GTS"
ISI - bleed off for 10 min. BOB 1min
FF - BOB, GTS, ASAO To small to gauge.
ESI BOB. 1min.

Recovery - Total Feet 2610' GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 2610 Feet of 60. 50 %gas 50 %oil _____ %water _____ %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 140 °F Gravity 43 °API D @ 60 °F Corrected Gravity 43 °API
 RW 43 @ 60 °F Chlorides _____ ppm Recovery _____ Chlorides 300 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	6764	Test	115000
(B) First Initial Flow Pressure	2614	PSI	(depth)	5387	Jars	200
(C) First Final Flow Pressure	349	PSI	Recorder No.	11018	Safety Jt.	50
(D) Initial Shut-In Pressure	508	PSI	(depth)	5487	Circ Sub	3500
(E) Second Initial Flow Pressure	1283	PSI	Recorder No.		Sampler	200
(F) Second Final Flow Pressure	569	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure	923	PSI	Initial Opening	10	Ext. Packer	
(Q) Final Hydrostatic Mud	1283	PSI	Initial Shut-In	30	Shale Packer	
	2630	PSI	Final Flow	30	Ruined Packer	15000
			Final Shut-In	90	Mileage	8600
			T-On Location	1030 PM	Sub Total:	1871
			T-Started	1130 PM	Std. By	1/2 = 4500
			T-Open	145 AM	Other	
			T-Pulled	430 AM	Total:	191600
			T-Out	1000 AM		

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Approved By Wesley Hansen
 Our Representative Charles D. Dick



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 22493 Date 5-18-05
Company Name Kenneth S. White
Lease Barnhardt #1 Test No. 2
County Stanton Sec. 13 Twp. 30s Rng. 4E

SAMPLER RECOVERY

Gas 18 cc ML
Oil 2000 ML
Mud 0 ML
Water 0 ML
Other none ML
Pressure 450 ML
Total _____ ML

PIT MUD ANALYSIS

Chlorides 300 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 53
Mud Weight 9.0
Filtrate 7.2
Other LCM-6 #

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity _____ corrected @60F

no water

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

CHART PAGE

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

