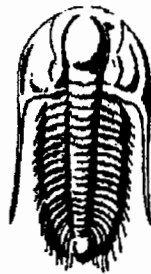


15-065-23205

11-9s-22w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Production Drilling Inc**

PO Box 680
Hays KS 67601

ATTN: Marty Patterson

11 9S 22W Graham KS

Production Drlg #1

Start Date: 2006.08.04 @ 14:41:30

End Date: 2006.08.04 @ 21:05:59

Job Ticket #: 25249 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Production Drilling Inc

Production Drlg #1

11 9S 22W Graham KS

DST # 1

LKC D-G

2006.08.04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Production Drilling Inc

PO Box 680
Hays KS 67601

ATTN: Marty Patterson

Production Drlg #1

11 9S 22W Graham KS

Job Ticket: 25249

DST#: 1

Test Start: 2006.08.04 @ 14:41:30

GENERAL INFORMATION:

Formation: LKC D-G

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:59:29

Time Test Ended: 21:05:59

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: 3584.00 ft (KB) To 3640.00 ft (KB) (TVD)

Total Depth: 3640.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2318.00 ft (KB)

2310.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: 119.50 psig @ 3586.01 ft (KB)

Start Date: 2006.08.04

End Date:

2006.08.04

Start Time: 14:41:30

End Time:

21:05:59

Capacity: 7000.00 psig

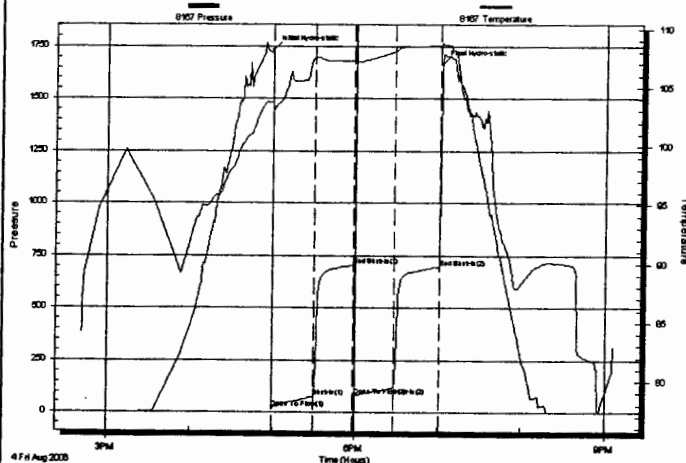
Last Calib.: 2006.08.04

Time On Btmr: 2006.08.04 @ 16:58:59

Time Off Btmr: 2006.08.04 @ 19:01:59

TEST COMMENT: IFP Wk to strg in 25 min
FFP Wk to strg in 30 min
Times 30 30 30 30
Surface blk on shut-in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1734.15	103.78	Initial Hydro-static
1	18.27	102.78	Open To Flow (1)
31	77.37	107.53	Shut-In(1)
60	702.94	107.26	End Shut-In(1)
61	81.26	107.18	Open To Flow(2)
90	119.50	108.09	Shut-In(2)
122	696.07	108.56	End Shut-In(2)
123	1664.35	108.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	OCMW 6%O 59%W 35%M	0.99
120.00	OCMW 12%O 48%W 40%M	1.68
10.00	CO	0.14
0.00	80' GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Production Drilling Inc

Production Drlg #1

PO Box 680
Hays KS 67601

11 9S 22W Graham KS

Job Ticket: 25249

DST#: 1

ATTN: Marty Patterson

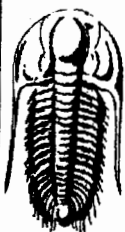
Test Start: 2006.08.04 @ 14:41:30

Tool Information

Drill Pipe:	Length: 3560.00 ft	Diameter: 3.80 inches	Volume: 49.94 bbl	Tool Weight:	2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	55000.00 lb
			Total Volume: 50.09 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	51000.00 lb
Depth to Top Packer:	3584.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	56.02 ft				
Tool Length:	77.02 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			3564.00	
Shut In Tool	5.00			3569.00	
Hydraulic tool	5.00			3574.00	
Packer	5.00			3579.00	21.00 Bottom Of Top Packer
Packer	5.00			3584.00	
Stubb	1.00			3585.00	
Perforations	1.00			3586.00	
Recorder	0.01	8167	Inside	3586.01	
Blank Spacing	33.00			3619.01	
Recorder	0.01	13534	Outside	3619.02	
Perforations	18.00			3637.02	
Bullnose	3.00			3640.02	56.02 Bottom Packers & Anchor

Total Tool Length: 77.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Production Drilling Inc

Production Drlg #1

PO Box 680
Hays KS 67601

11 9S 22W Graham KS

Job Ticket: 25249

DST#: 1

ATTN: Marty Patterson

Test Start: 2006.08.04 @ 14:41:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

24000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.32 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	OCMW 6%O 59%W 35%M	0.989
120.00	OCMW 12%O 48%W 40%M	1.683
10.00	CO	0.140
0.00	80' GIP	0.000

Total Length: 220.00 ft

Total Volume: 2.812 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .23 @86F

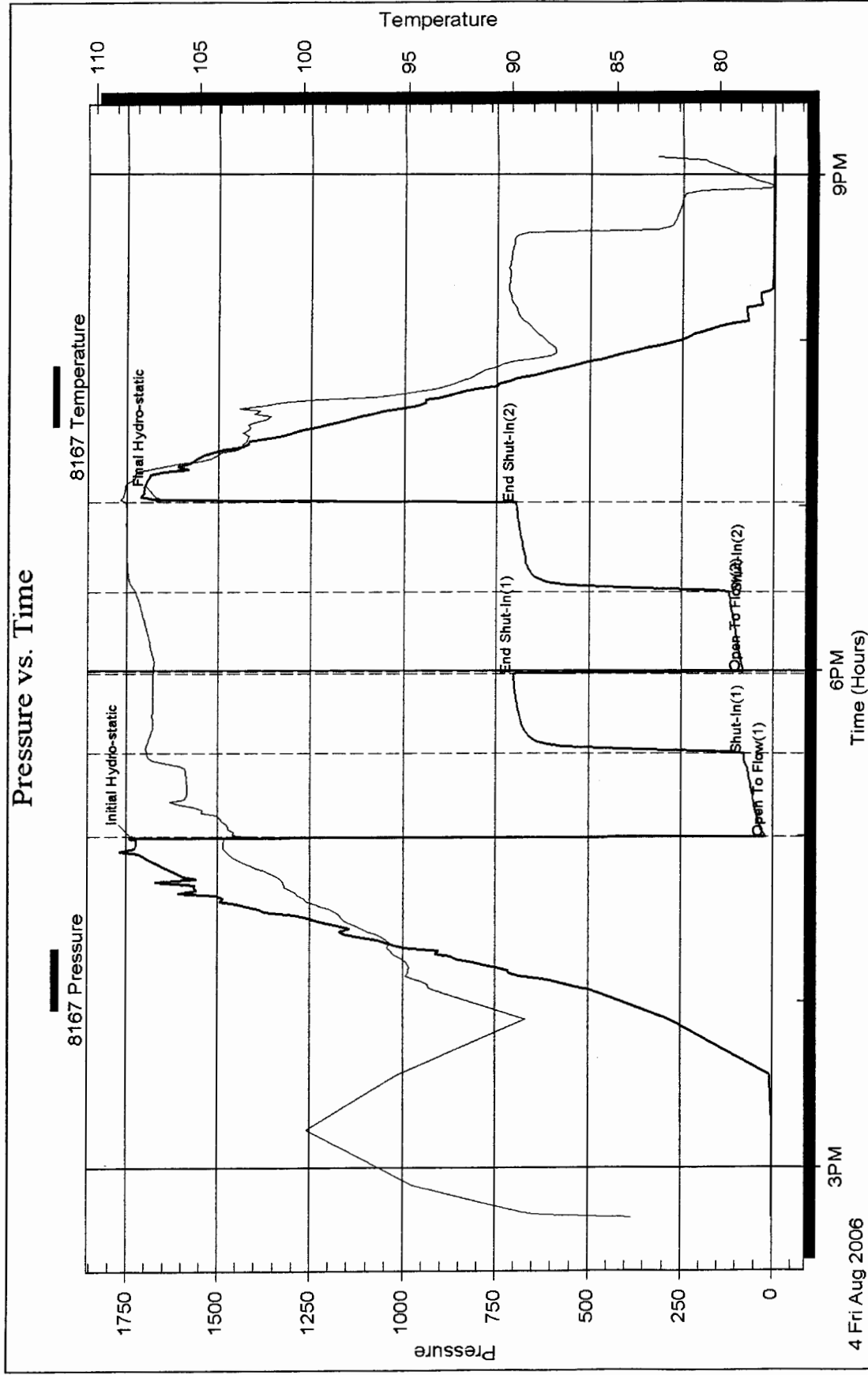
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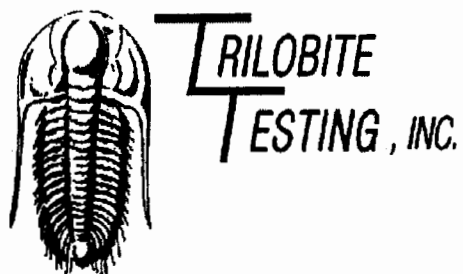
Inside

Production Drilling Inc

11 9S 22W Graham KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Production Drilling Inc**

PO Box 680
Hays KS 67601

ATTN: Marty Patterson

11 9S 22W Graham KS

Production Drlg #1

Start Date: 2006.08.05 @ 08:04:16

End Date: 2006.08.05 @ 13:59:45

Job Ticket #: 25250 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILLOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Production Drilling Inc

PO Box 680
Hays KS 67601

ATTN: Marty Patterson

Production Drlg #1

11 9S 22W Graham KS

Job Ticket: 25250

DST#: 2

Test Start: 2006.08.05 @ 08:04:16

GENERAL INFORMATION:

Formation: **LKC I-K**

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

Time Tool Opened: 09:47:15

Time Test Ended: 13:59:45

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Interval: **3684.00 ft (KB) To 3740.00 ft (KB) (TVD)**

Total Depth: **3740.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2318.00 ft (KB)**

2310.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 8167

Inside

Press@RunDepth: **74.46 psig @ 3686.01 ft (KB)**

Start Date: **2006.08.05**

End Date:

2006.08.05

Capacity: **7000.00 psig**

Last Calib.: **2006.08.05**

Start Time: **08:04:16**

End Time:

13:59:45

Time On Btm: **2006.08.05 @ 09:46:45**

Time Off Btm: **2006.08.05 @ 12:19:45**

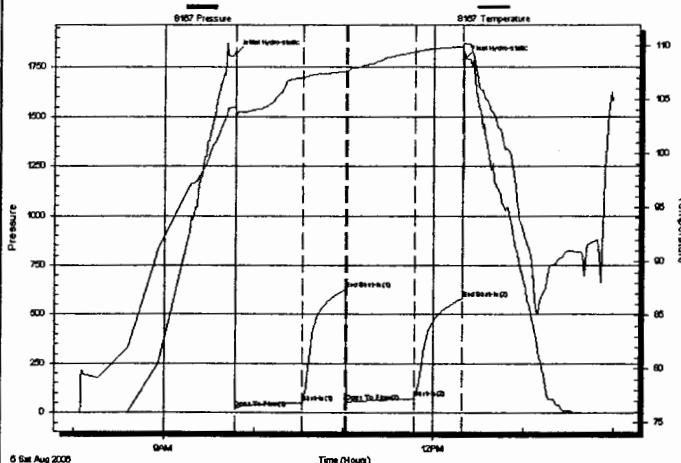
TEST COMMENT: **IFP Wk to a fr bl 1/2 " to 4 3/4 " bl**

FFP Wk bl thru-out 1/8 " to 1" bl

Times 45 30 45 30

No bl on shut-in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1819.11	104.33	Initial Hydro-static
1	20.10	103.45	Open To Flow (1)
46	52.41	107.05	Shut-in (1)
75	627.75	107.64	End Shut-in (1)
76	57.07	107.60	Open To Flow (2)
121	74.46	109.44	Shut-in (2)
153	580.29	109.91	End Shut-in (2)
153	1789.56	110.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOCWM 2%O 48%W 50%M	0.57
60.00	O&GCM 5%G 15%O 80%M	0.84
5.00	CO	0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Production Drilling Inc

Production Drlg #1

PO Box 680
Hays KS 67601

11 9S 22W Graham KS

Job Ticket: 25250

DST#: 2

ATTN: Marty Patterson

Test Start: 2006.08.05 @ 08:04:16

Tool Information

Drill Pipe:	Length: 3653.00 ft	Diameter: 3.80 inches	Volume: 51.24 bbl	Tool Weight:	2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	65000.00 lb	
			Total Volume:	51.39 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	52000.00 lb	
Depth to Top Packer:	3684.00 ft			Final	52000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	56.02 ft					
Tool Length:	77.02 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			3664.00	
Shut In Tool	5.00			3669.00	
Hydraulic tool	5.00			3674.00	
Packer	5.00			3679.00	21.00 Bottom Of Top Packer
Packer	5.00			3684.00	
Stubb	1.00			3685.00	
Perforations	1.00			3686.00	
Recorder	0.01	8167	Inside	3686.01	
Blank Spacing	32.00			3718.01	
Recorder	0.01	13534	Outside	3718.02	
Perforations	19.00			3737.02	
Bullnose	3.00			3740.02	56.02 Bottom Packers & Anchor

Total Tool Length: 77.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Production Drilling Inc

Production Drlg #1

PO Box 680
Hays KS 67601

11 9S 22W Graham KS

Job Ticket: 25250

DST#: 2

ATTN: Marty Patterson

Test Start: 2006.08.05 @ 08:04:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

16000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SOCWM 2%O 48%W 50%M	0.568
60.00	O&GCM 5%G 15%O 80%M	0.842
5.00	CO	0.070

Total Length: 125.00 ft

Total Volume: 1.480 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .28 @ 100F

DST Test Number: 2

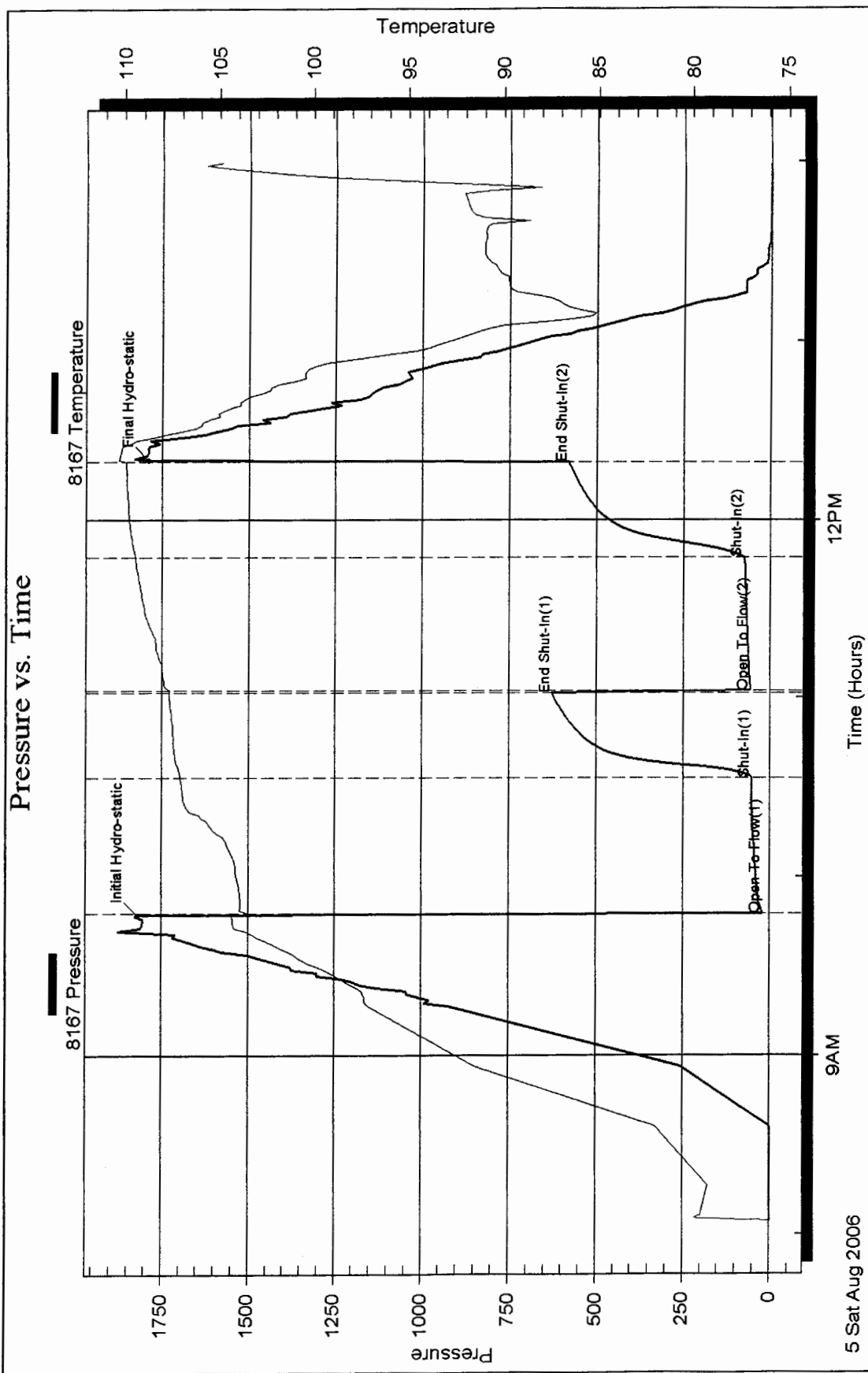
11 9S 22W Graham KS

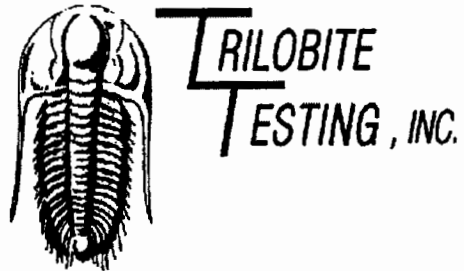
Production Drilling Inc

Inside

Serial #: 8167

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Production Drilling Inc**

PO Box 680
Hays KS 67601

ATTN: Marty Patterson

11 9S 22W Graham KS

Production Drlg #1

Start Date: 2006.08.06 @ 02:32:39

End Date: 2006.08.06 @ 08:40:08

Job Ticket #: 26776 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

Production Drilling Inc

PO Box 680
Hays KS 67601

ATTN: Marty Patterson

Production Drlg #1

11 9S 22W Graham KS

Job Ticket: 26776

DST#: 3

Test Start: 2006.08.06 @ 02:32:39

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:25:08

Time Test Ended: 08:40:08

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3838.00 ft (KB) To 3865.00 ft (KB) (TVD)**

Total Depth: 3865.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2318.00 ft (KB)

2310.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: 133.40 psig @ 3843.01 ft (KB)

Start Date: 2006.08.06

End Date:

2006.08.06

Capacity: 7000.00 psig

Last Calib.: 2006.08.06

Start Time: 02:32:39

End Time:

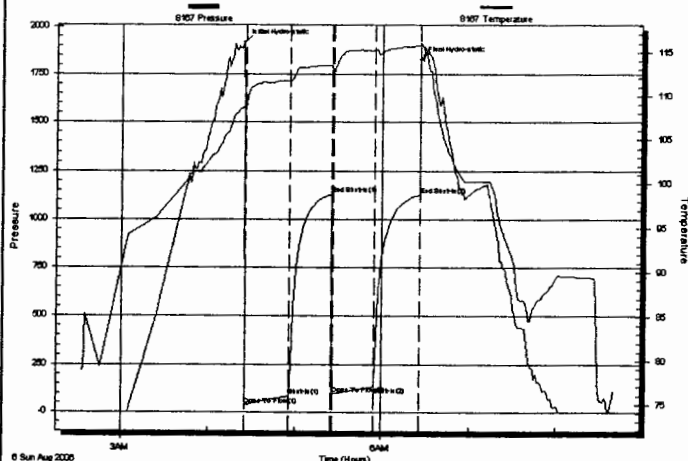
08:40:08

Time On Btm: 2006.08.06 @ 04:24:08

Time Off Btm: 2006.08.06 @ 06:26:08

TEST COMMENT: FFP Wk to strg in 14 min
FFP Wk to a gd bl 1" to 8" bl
Times 30 30 30 30
No bl on shut-in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.45	108.75	Initial Hydro-static
1	36.67	108.49	Open To Flow (1)
32	84.04	111.72	Shut-In(1)
61	1127.49	113.47	End Shut-In(1)
62	96.39	112.55	Open To Flow (2)
91	133.40	115.25	Shut-In(2)
122	1123.74	115.71	End Shut-In(2)
122	1825.87	116.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MGO 10%G 30%O 60%M	0.57
20.00	HOCM 15%G 75%O 10%M	0.28
250.00	CO	3.51

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Production Drilling Inc

Production Drlg #1

PO Box 680
Hays KS 67601

11 9S 22W Graham KS

Job Ticket: 26776

DST#: 3

ATTN: Marty Patterson

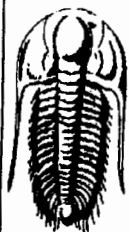
Test Start: 2006.08.06 @ 02:32:39

Tool Information

Drill Pipe:	Length: 3810.00 ft	Diameter: 3.80 inches	Volume: 53.44 bbl	Tool Weight:	2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	55000.00 lb
			Total Volume: 53.59 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3838.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	27.02 ft				
Tool Length:	48.02 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			3818.00	
Shut In Tool	5.00			3823.00	
Hydraulic tool	5.00			3828.00	
Packer	5.00			3833.00	21.00 Bottom Of Top Packer
Packer	5.00			3838.00	
Stubb	1.00			3839.00	
Perforations	4.00			3843.00	
Recorder	0.01	8167	Inside	3843.01	
Perforations	19.00			3862.01	
Recorder	0.01	13534	Outside	3862.02	
Bullnose	3.00			3865.02	27.02 Bottom Packers & Anchor

Total Tool Length: 48.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Production Drilling Inc

Production Drlg #1

PO Box 680
Hays KS 67601

11 9S 22W Graham KS

Job Ticket: 26776

DST#: 3

ATTN: Marty Patterson

Test Start: 2006.08.06 @ 02:32:39

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

22 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MGO 10%G 30%O 60%M	0.568
20.00	HOCM 15%G 75%O 10%M	0.281
250.00	CO	3.507

Total Length: 330.00 ft

Total Volume: 4.356 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

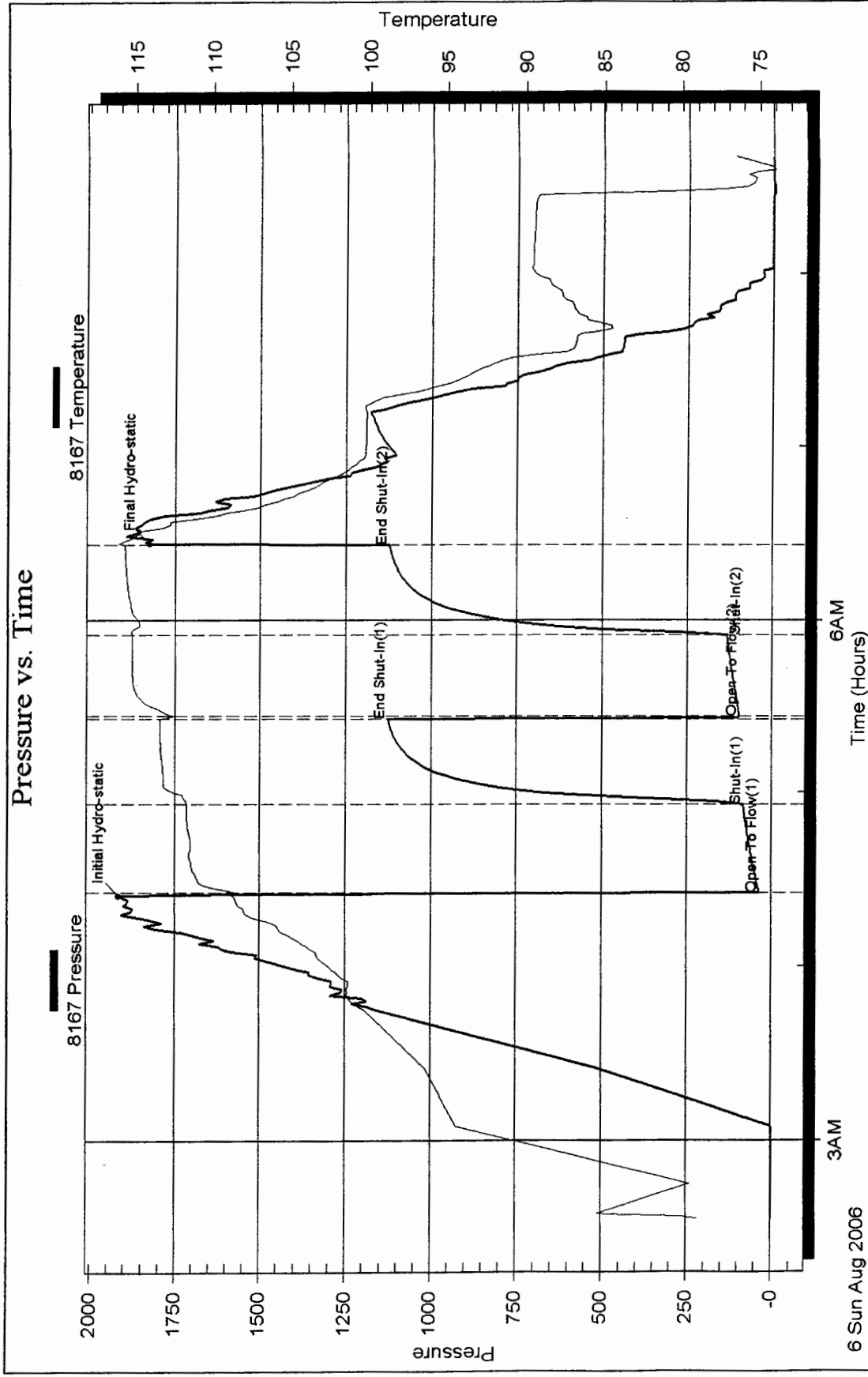
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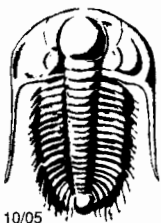
Inside

Production Drilling Inc

11 9S 22W Graham KS

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9083

25249

Test Ticket

Well Name & No.	Production Orig #1		Test No.	1	Date	8-4-06
Company	Production Drilling Inc		Zone Tested	LKC D-G		
Address	P.O. Box 680 Hays, KS 67601		Elevation	2318	KB	2310 GL
Co. Rep / Geo.	Cliff OTTOWAY		Rig	Discovery rig 1		
Location: Sec.	11	Twp.	9 ^s	Rge.	22 ^w	Co. Graham State KO
Comment:						Release date / time:

Interval Tested	3584 - 3640		Initial Str Wt./Lbs.	51000	Unseated Str Wt./Lbs.	52000
Anchor Length	56		Wt. Set Lbs.	25000	Wt. Pulled Loose/Lbs.	55000
Top Packer Depth	3579		Tool Weight	2200		
Bottom Packer Depth	3584		Hole Size 7 7/8"	-	Rubber Size 6 3/4"	-
Total Depth	3640		Wt. Pipe Run	-	Drill Collar Run	30
Mud Wt.	9.3	LCM 2#	Vis.	53	WL 8.4	Drill Pipe Size 4 1/2 XH
Blow Description	IFP - WEAK TO STRONG IN 25 min					
	FFP - WEAK TO STRONG IN 30 min					
	ISIP - SURFACE BLOW BACK					
	FSIP - SURFACE BLOW BACK					

Recovery - Total Feet	220	GIP	80	Ft. in DC	30	Ft. in DP	190
Rec.	10	Feet of	CO	%gas	%oil	%water	%mud
Rec.	120	Feet of	OCMW	%gas	12%oil	48%water	40% mud
Rec.	90	Feet of	OCMW	%gas	6%oil	59%water	35% mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	108	*F Gravity	29	*API D @	60	*F Corrected Gravity	29
RW	.23	@	86	*F Chlorides	24000 ppm	Recovery	Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1723	PSI	Recorder No.	8167	Test	✓	1000
(B) First Initial Flow Pressure			18	PSI	(depth)	3586	Jars		
(C) First Final Flow Pressure			77	PSI	Recorder No.	13534	Safety Jt.		
(D) Initial Shut-In Pressure			70.3	PSI	(depth)	3619	Circ Sub		
(E) Second Initial Flow Pressure			81	PSI	Recorder No.	-	Sampler		
(F) Second Final Flow Pressure			119	PSI	(depth)	-	Straddle		
(G) Final Shut-In Pressure			696	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			1701	PSI	Initial Shut-In	30	Shale Packer		

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 [Signature]

Our Representative RAY SCHWAGER Thank you

Final Flow	30	Mileage	✓ 104 RT 130
Final Shut-In	30	Sub Total:	1130
T-On Location	1330	Std. By	
T-Started	1441	Acc. Chg:	
T-Open	1700	Other:	
T-Pulled	1900	Total:	
T-Out	2105		

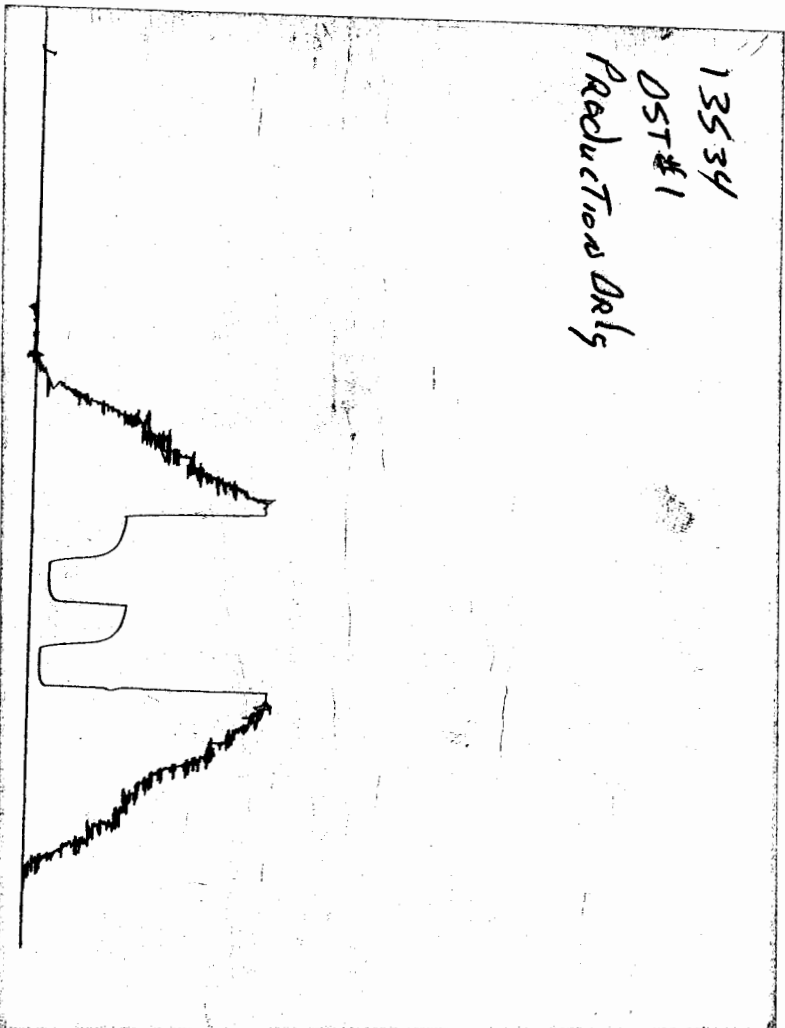
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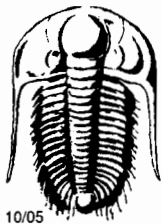
This is a photocopy of the actual AK-1 recorder chart.

13534

OST#1

Production Only





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25250

Test Ticket

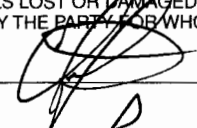
Well Name & No.	Production Delg #1		Test No.	2	Date	8-5-06
Company	Production Drilling Inc		Zone Tested	LKC	BI-K	
Address	PD Box 680 Hays, KS 67601		Elevation	2318	KB	2310 GL
Co. Rep / Geo.	Cliff OTTaway		Rig	Discouray rig 1		
Location: Sec.	11	Twp.	9 ^s	Rge.	22 ^w	Co. Graham State K6
Comment:						Release date / time:

Interval Tested	3684-3740		Initial Str Wt./Lbs.	52000	Unseated Str Wt./Lbs.	52000
Anchor Length	56		Wt. Set Lbs.	25000	Wt. Pulled Loose/Lbs.	65000
Top Packer Depth	3679		Tool Weight	2200		
Bottom Packer Depth	3684		Hole Size 7 7/8"	-	Rubber Size 6 3/4"	-
Total Depth	3740		Wt. Pipe Run	-	Drill Collar Run	30
Mud Wt.	9.2	LCM 2 [#]	Vis.	53	WL 8.8	Drill Pipe Size 4 1/2 XH Ft. Run 3653
Blow Description	TFP - WEAK TO A FAIR BLOW 1/2" TO 4 3/4" BLOW FFP - WEAK BLOW THRU-OUT 1/8" TO 1" BLOW					

Recovery - Total Feet	125	GIP	-	Ft. in DC	30	Ft. in DP	95
Rec.	5	Feet of	CO	%gas	%oil	%water	%mud
Rec.	60	Feet of	0+6 CM	5 %gas	15 %oil	%water	80 %mud
Rec.	60	Feet of	50 CWM	%gas	2 %oil	48 %water	50 %mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	110	*F Gravity	39	*API D @	60	*F Corrected Gravity	39
RW	.28	@ 100	*F	Chlorides	16000	ppm Recovery	Chlorides 3500 ppm System

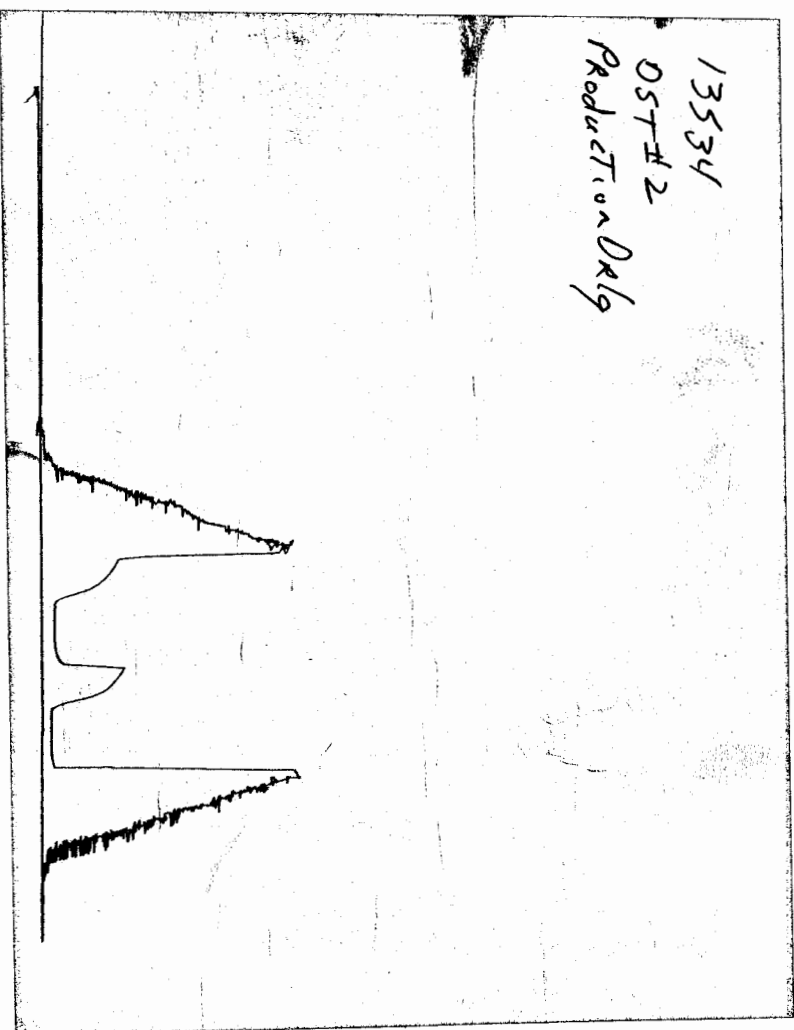
(A) Initial Hydrostatic Mud	AK-1	Alpine	1803 PSI	Recorder No.	8167	Test	1000
(B) First Initial Flow Pressure			20 PSI	(depth)	3686	Jars	
(C) First Final Flow Pressure			52 PSI	Recorder No.	13534	Safety Jt.	
(D) Initial Shut-In Pressure			627 PSI	(depth)	3718	Circ Sub	
(E) Second Initial Flow Pressure			57 PSI	Recorder No.	-	Sampler	
(F) Second Final Flow Pressure			74 PSI	(depth)	-	Straddle	
(G) Final Shut-In Pressure			580 PSI	Initial Opening	45	Ext. Packer	
(Q) Final Hydrostatic Mud			1787 PSI	Initial Shut-In	30	Shale Packer	

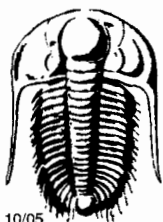
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By 
Our Representative Ray Schwager Thank you

Final Flow	45	Ruined Packer	
Final Shut-In	30	Mileage	104 RT 130
T-On Location	0730	Sub Total:	1130
T-Started	0804	Std. By	
T-Open	0945	Acc. Chg:	
T-Pulled	1215	Other:	
T-Out	1359	Total:	

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26776

Test Ticket

Well Name & No.	Production Delg #1		Test No.	3	Date	8-6-06
Company	Production Drilling Inc		Zone Tested	Arbuckle		
Address	P.O. Box 680 Hays, Ko 67601		Elevation	2318	KB	2310 GL
Co. Rep / Geo.	Cliff OTTaway		Rig	Discovery rig 1		
Location: Sec.	11	Twp.	9 ^s	Rge.	22 ^w	Co. GRAHAM State K
Comment:						Release date / time:

Interval Tested	3838-3865		Initial Str Wt./Lbs.	50000	Unseated Str Wt./Lbs.	50000
Anchor Length	27		Wt. Set Lbs.	25000	Wt. Pulled Loose/Lbs.	55000
Top Packer Depth	3833		Tool Weight	2200		
Bottom Packer Depth	3838		Hole Size 7 7/8"	-	Rubber Size 6 3/4"	-
Total Depth	3865		Wt. Pipe Run	-	Drill Collar Run	30
Mud Wt.	9.4	LCM 4 1/2# Vis. 51	WL 8.8	Drill Pipe Size 4 1/2XH	Ft. Run	
Blow Description	IFP - WEAK TO STRONG IN 14 MIN FFP - WEAK TO A GOOD BLOW 1" TO 8" BLOW NO BLOW ON SHUT-IN					

Recovery - Total Feet	330	GIP	-	Ft. in DC	30	Ft. in DP	300
Rec.	60	Feet of	MGO	10 %gas	30 %oil	%water	60 %mud
Rec.	20	Feet of	HOCM	15 %gas	75 %oil	%water	10 %mud
Rec.	250	Feet of	CO	15 %gas	1 %oil	%water	10 %mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	115	*F Gravity	22	*API D @	60	*F Corrected Gravity	22 *API
RW	@	*F	Chlorides	ppm Recovery	Chlorides	3500	ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1886	PSI	Recorder No.	8167	Test	✓	1000
(B) First Initial Flow Pressure			36	PSI	(depth)	3843	Jars		
(C) First Final Flow Pressure			84	PSI	Recorder No.	13534	Safety Jt.		
(D) Initial Shut-In Pressure			1127	PSI	(depth)	3862	Circ Sub		
(E) Second Initial Flow Pressure			96	PSI	Recorder No.	-	Sampler		
(F) Second Final Flow Pressure			133	PSI	(depth)	-	Straddle		
(G) Final Shut-In Pressure			1124	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			1844	PSI	Initial Shut-In	30	Shale Packer		

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Approved By _____

Our Representative Ray Schwager THANK YOU

Final Flow	30	Ruined Packer	
Final Shut-In	30	Mileage	✓ 104 RT 130
T-On Location	0200	Sub Total:	1130
T-Started	0232	Std. By	
T-Open	0425	Acc. Chg:	
T-Pulled	0625	Other:	
T-Out	0840	Total:	

CHART PAGE

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

13534
05T23
Prodet. w. Day

