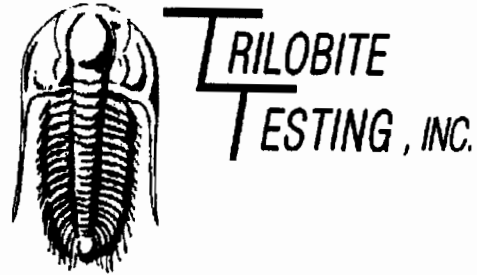


15-167-23437

21-15s-14w



DRILL STEM TEST REPORT

Prepared For: **Mai Oil Co**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

21 15 14 Russell KS

Kilian #1

Start Date: 2007.06.17 @ 21:51:03

End Date: 2007.06.18 @ 04:31:33

Job Ticket #: 28342 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Co
PO Box 33
Russell KS 67665
ATTN: Kitt Noah

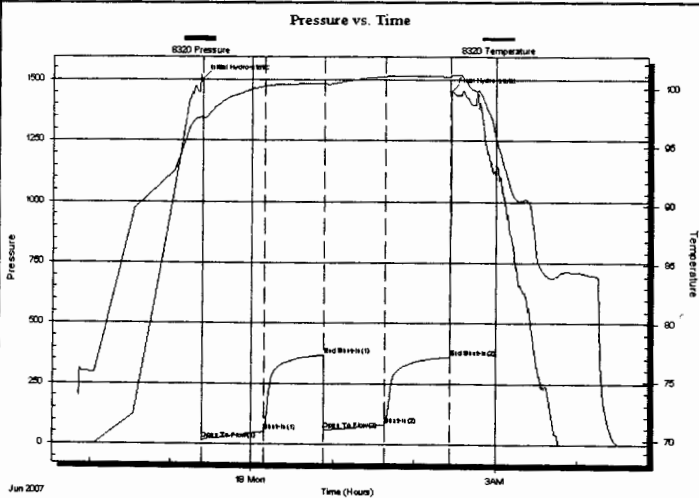
Kilian #1
21 15 14 Russell KS
Job Ticket: 28342 DST#: 1
Test Start: 2007.06.17 @ 21:51:03

GENERAL INFORMATION:

Formation: **LKC "C-D"**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 23:23:48
Time Test Ended: 04:31:33
Interval: **3097.00 ft (KB) To 3140.00 ft (KB) (TVD)**
Total Depth: **3140.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Tyson Flax**
Unit No: **21**
Reference Elevations: **1886.00 ft (KB)**
1878.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8320 Inside
Press@RunDepth: **80.10 psig @ 3103.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2007.06.17** End Date: **2007.06.18** Last Calb.: **2007.06.18**
Start Time: **21:51:05** End Time: **04:31:33** Time On Btm: **2007.06.17 @ 23:23:33**
Time Off Btm: **2007.06.18 @ 02:26:48**

TEST COMMENT: IFP BOB in 24 min
ISI Blow back built to 1/2" died in 19 min
FFP BOB in 27 min
FSI Weak surface blow back died in 7 min



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1502.15	97.53	Initial Hydro-static
1	16.78	97.39	Open To Flow (1)
46	50.20	100.13	Shut-in(1)
90	368.27	100.35	End Shut-in(1)
90	58.34	100.31	Open To Flow (2)
135	80.10	100.97	Shut-in(2)
183	361.37	100.97	End Shut-in(2)
184	1452.15	101.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	CO	0.28
130.00	MW w/scum of Oil 95%W 5%M	1.84
0.00	GIP 180'	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Co
PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Kilian #1
21 15 14 Russell KS
Job Ticket: 28342 **DST#: 1**
Test Start: 2007.06.17 @ 21:51:03

Tool Information

Drill Pipe:	Length: 3105.00 ft	Diameter: 3.82 inches	Volume: 44.01 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume: 44.01 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3097.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	64.00 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			3077.00	
Shut In Tool	5.00			3082.00	
Hydraulic tool	5.00			3087.00	
Packer	5.00			3092.00	21.00 Bottom Of Top Packer
Packer	5.00			3097.00	
Stubb	1.00			3098.00	
Perforations	4.00			3102.00	
Change Over Sub	1.00			3103.00	
Recorder	0.00	8320	Inside	3103.00	
Blank Spacing	31.00			3134.00	
Change Over Sub	1.00			3135.00	
Perforations	2.00			3137.00	
Recorder	0.00	13401	Inside	3137.00	
Bullnose	3.00			3140.00	43.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Co
PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Kilian #1
21 15 14 Russell KS
Job Ticket: 28342 **DST#: 1**
Test Start: 2007.06.17 @ 21:51:03

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 39000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4400.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	CO	0.284
130.00	MW w/scum of Oil 95%W 5%M	1.843
0.00	GIP 180'	0.000

Total Length: 150.00 ft Total Volume: 2.127 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8320

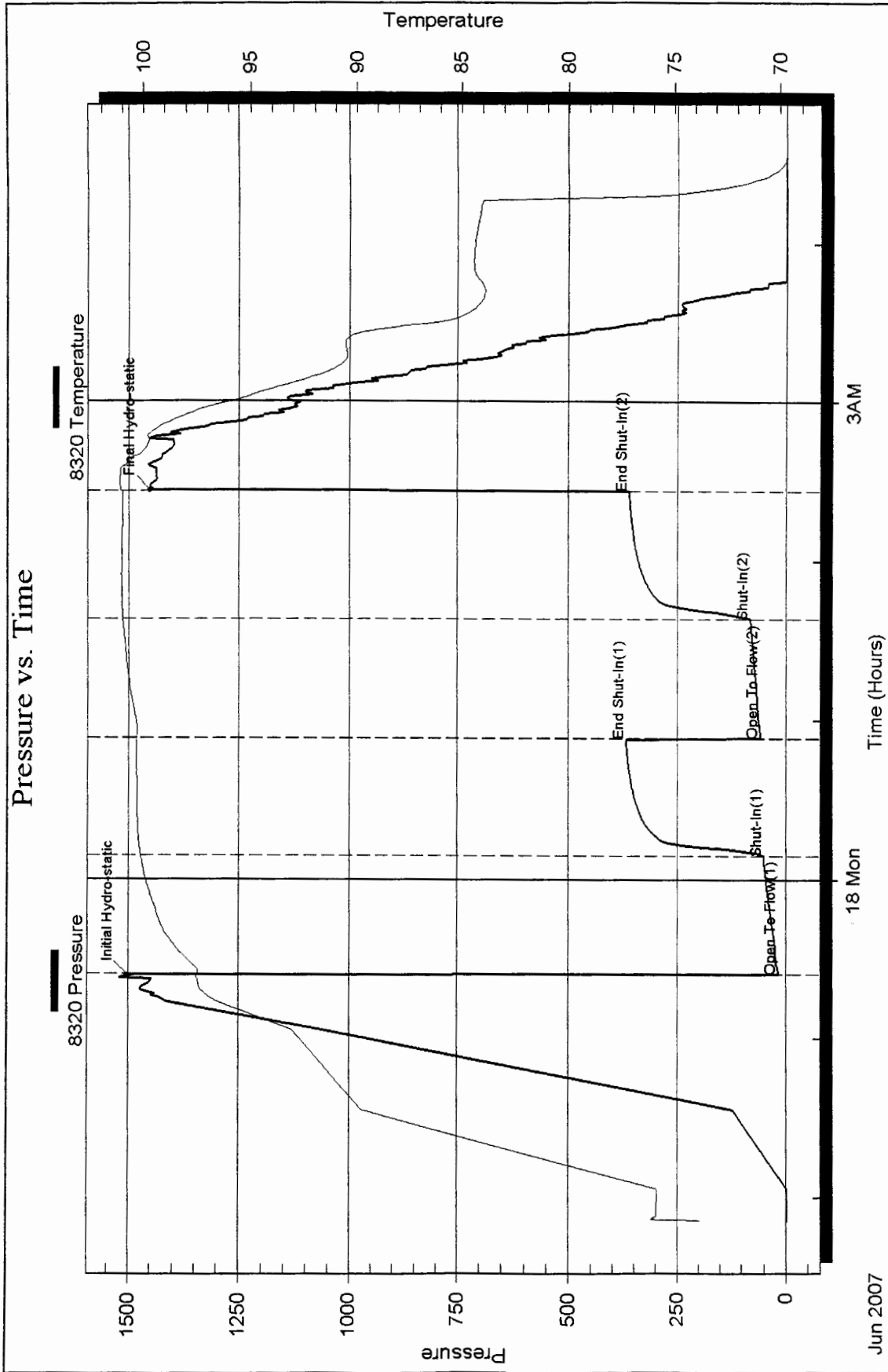
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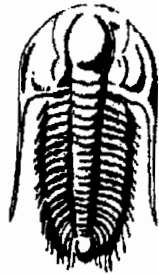
Mai Oil Co

21 15 14 Russell KS

DST Test Number: 1

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mai Oil Co**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

21 15 14 Russell KS

Kilian #1

Start Date: 2007.06.18 @ 20:41:04

End Date: 2007.06.19 @ 03:12:34

Job Ticket #: 28343 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Mai Oil Co

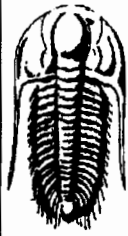
Kilian #1

21 15 14 Russell KS

DST # 2

LKC "H-K"

2007.06.18



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Co
PO Box 33
Russell KS 67665
ATTN: Kitt Noah

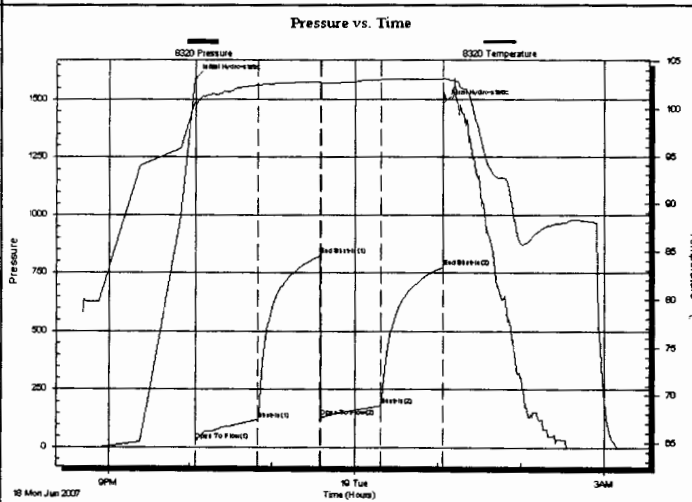
Kilian #1
21 15 14 Russell KS
Job Ticket: 28343 **DST#: 2**
Test Start: 2007.06.18 @ 20:41:04

GENERAL INFORMATION:

Formation: **LKC "H-K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:04:19
Time Test Ended: 03:12:34
Interval: **3226.00 ft (KB) To 3290.00 ft (KB) (TVD)**
Total Depth: 3290.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Tyson Flax
Unit No: 21
Reference Elevations: 1886.00 ft (KB)
1878.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8320 **Inside**
Press@RunDepth: 180.58 psig @ 3232.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2007.06.18 End Date: 2007.06.19 Last Calib.: 2007.06.19
Start Time: 20:41:06 End Time: 03:12:34 Time On Btm: 2007.06.18 @ 22:04:04
Time Off Btm: 2007.06.19 @ 01:04:04

TEST COMMENT: IFP BOB in 10 min
ISI Weak blow back throughout
FFP BOB in 11 min
FSI Weak surface blow back throughout



PRESSURE SUMMARY

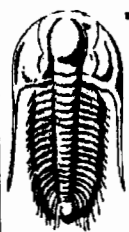
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1589.67	100.68	Initial Hydro-static
1	30.02	100.27	Open To Flow (1)
46	120.31	102.48	Shut-In(1)
91	825.13	102.77	End Shut-In(1)
92	130.65	102.69	Open To Flow (2)
135	180.58	103.05	Shut-In(2)
180	775.75	103.07	End Shut-In(2)
180	1484.73	103.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	SOCMW 5%O 85%W 15%M	2.85
60.00	GOCWM 30%G 10%O 30%W 30%M	0.85
60.00	GOCWM 40%G 20%O 10%W 30%M	0.85
0.00	300' GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Co
PO Box 33
Russell KS 67665
ATTN: Kitt Noah

Kilian #1
21 15 14 Russell KS
Job Ticket: 28343 **DST#: 2**
Test Start: 2007.06.18 @ 20:41:04

Tool Information

Drill Pipe:	Length: 3165.00 ft	Diameter: 3.82 inches	Volume: 44.87 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 45.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3226.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	85.00 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			3206.00	
Shut In Tool	5.00			3211.00	
Hydraulic tool	5.00			3216.00	
Packer	5.00			3221.00	21.00 Bottom Of Top Packer
Packer	5.00			3226.00	
Stubb	1.00			3227.00	
Perforations	4.00			3231.00	
Change Over Sub	1.00			3232.00	
Recorder	0.00	8320	Inside	3232.00	
Blank Spacing	32.00			3264.00	
Change Over Sub	1.00			3265.00	
Perforations	22.00			3287.00	
Recorder	0.00	13401	Inside	3287.00	
Bullnose	3.00			3290.00	64.00 Bottom Packers & Anchor
Total Tool Length:	85.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Co
PO Box 33
Russell KS 67665
ATTN: Kitt Noah

Kilian #1
21 15 14 Russell KS
Job Ticket: 28343 DST#: 2
Test Start: 2007.06.18 @ 20:41:04

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	SOCMW 5%O 85%W 15%M	2.847
60.00	GOCWM 30%G 10%O 30%W 30%M	0.851
60.00	GOCWM 40%G 20%O 10%W 30%M	0.851
0.00	300' GIP	0.000

Total Length: 360.00 ft Total Volume: 4.549 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8320

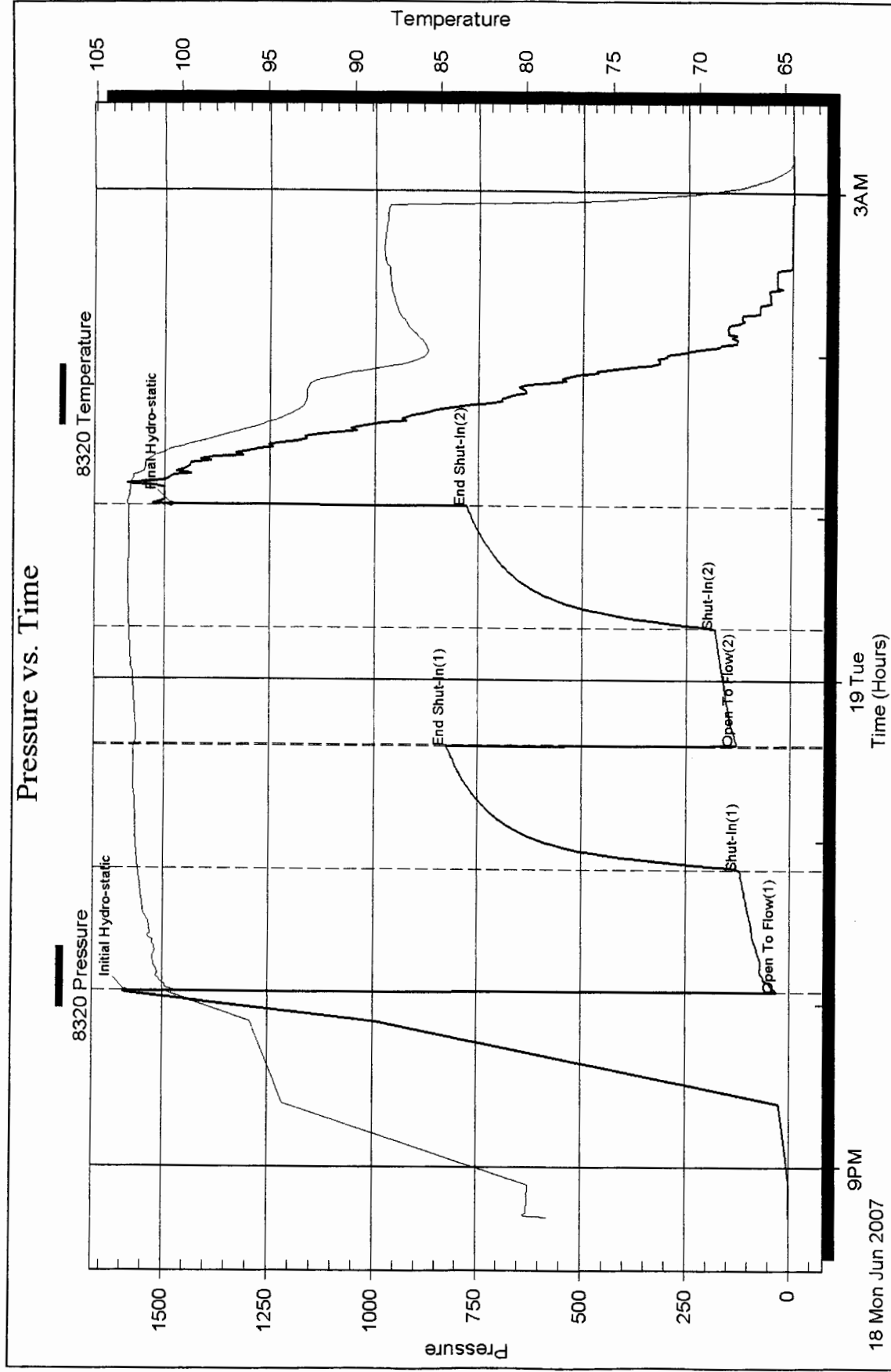
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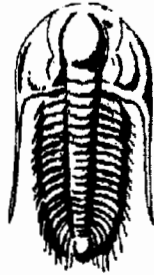
Mai Oil Co

21 15 14 Russell KS

DST Test Number: 2

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Mai Oil Co**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

21 15 14 Russell KS

Kilian #1

Start Date: 2007.06.19 @ 12:46:31

End Date: 2007.06.19 @ 16:08:16

Job Ticket #: 28344 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Mai Oil Co

Kilian #1

21 15 14 Russell KS

DST # 3

Arbuckle

2007.06.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Co
PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Kilian #1
21 15 14 Russell KS
Job Ticket: 28344 **DST#: 3**
Test Start: 2007.06.19 @ 12:46:31

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 14:10:16
Time Test Ended: 16:08:16

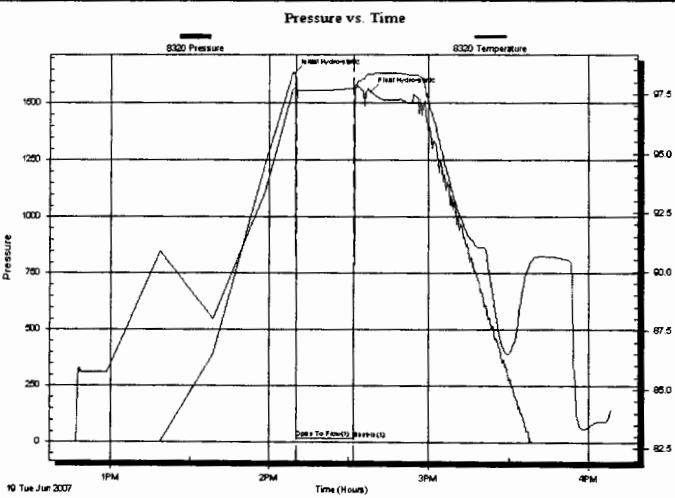
Interval: **3289.00 ft (KB) To 3338.00 ft (KB) (TVD)**
Total Depth: 3338.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole
Tester: Tyson Flax
Unit No: 21

Reference Elevations: 1886.00 ft (KB)
1878.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8320 **Inside**
Press@RunDepth: psig @ 3295.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2007.06.19 End Date: 2007.06.19 Last Calib.: 2007.06.19
Start Time: 12:46:33 End Time: 16:08:16 Time On Btm: 2007.06.19 @ 14:09:31
Time Off Btm: 2007.06.19 @ 14:38:16

TEST COMMENT: IFP Weak surface blow died in 5 min - Pulled test
TIME 20



PRESSURE SUMMARY

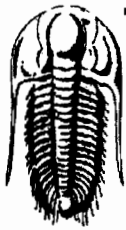
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1632.79	97.75	Initial Hydro-static
1	17.27	96.95	Open To Flow (1)
23	15.62	97.76	Shut-In(1)
29	1550.82	98.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud w/scum of Oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Co
PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Kilian #1
21 15 14 Russell KS
Job Ticket: 28344 **DST#: 3**
Test Start: 2007.06.19 @ 12:46:31

Tool Information

Drill Pipe:	Length: 3292.00 ft	Diameter: 3.82 inches	Volume: 46.67 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 46.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3289.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	70.00 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			3269.00	
Shut In Tool	5.00			3274.00	
Hydraulic tool	5.00			3279.00	
Packer	5.00			3284.00	21.00 Bottom Of Top Packer
Packer	5.00			3289.00	
Stubb	1.00			3290.00	
Perforations	4.00			3294.00	
Change Over Sub	1.00			3295.00	
Recorder	0.00	8320	Inside	3295.00	
Blank Spacing	32.00			3327.00	
Change Over Sub	1.00			3328.00	
Perforations	7.00			3335.00	
Recorder	0.00	13401	Inside	3335.00	
Bullnose	3.00			3338.00	49.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Co
PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Killian #1
21 15 14 Russell KS
Job Ticket: 28344 **DST#: 3**
Test Start: 2007.06.19 @ 12:46:31

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud w/scum of Oil	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8320

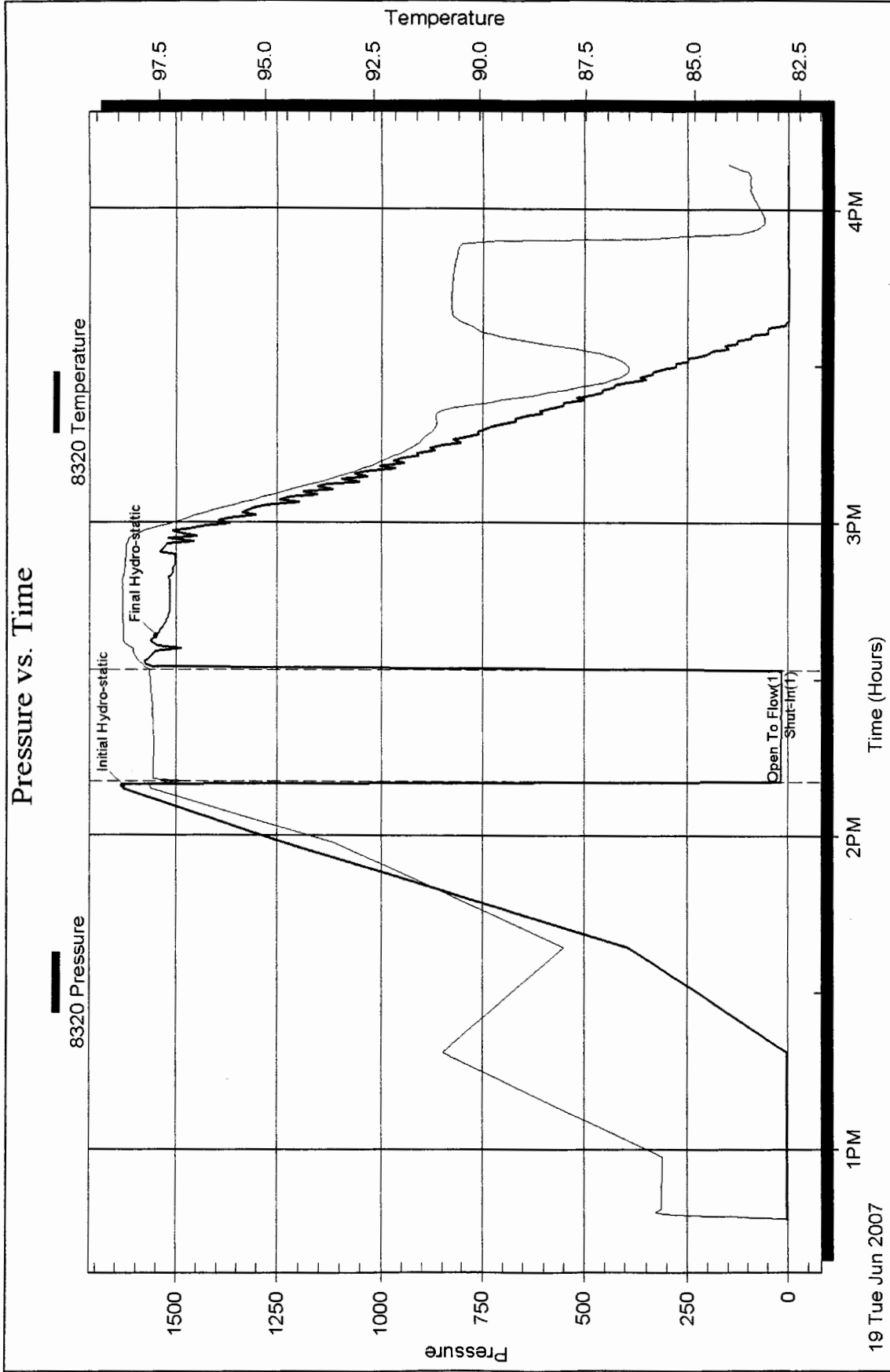
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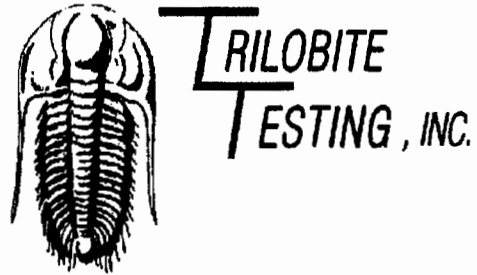
Mai Oil Co

21 15 14 Russell KS

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Co**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

21 15 14 Russell KS

Kilian #1

Start Date: 2007.06.19 @ 22:32:04

End Date: 2007.06.20 @ 05:39:19

Job Ticket #: 28345 DST #: 4

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Co
PO Box 33
Russell KS 67665
ATTN: Kitt Noah

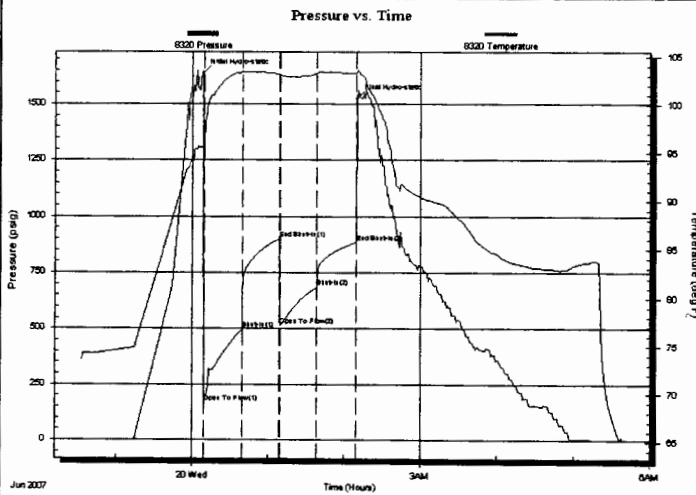
Kilian #1
21 15 14 Russell KS
Job Ticket: 28345 **DST#: 4**
Test Start: 2007.06.19 @ 22:32:04

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:09:04
Time Test Ended: 05:39:19
Interval: **3288.00 ft (KB) To 3346.00 ft (KB) (TVD)**
Total Depth: 3346.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Tyson Flax
Unit No: 21
Reference Elevations: 1886.00 ft (KB)
1878.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8320 **Inside**
Press@RunDepth: 683.71 psig @ 3294.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2007.06.19 End Date: 2007.06.20 Last Calib.: 2007.06.20
Start Time: 22:32:06 End Time: 05:39:19 Time On Btm: 2007.06.20 @ 00:08:34
Time Off Btm: 2007.06.20 @ 02:10:19

TEST COMMENT: IFP BOB in 1 min
ISI Weak 1" blow back throughout
FFP BOB in 1.5 min
FSI Weak surface blow back died in 10 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1638.72	95.65	Initial Hydro-static
1	165.97	95.48	Open To Flow (1)
31	497.52	103.39	Shut-In (1)
61	898.92	103.21	End Shut-In (1)
61	516.41	103.14	Open To Flow (2)
90	683.71	103.32	Shut-In (2)
122	884.83	103.27	End Shut-In (2)
122	1523.42	103.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1200.00	CGO 20%G 80%O	17.01
630.00	GVSMCO 20%G 75%O 5%M	8.93
0.00	30 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Co
PO Box 33
Russell KS 67665

ATTN: Kitt Nbah

Kilian #1
21 15 14 Russell KS
Job Ticket: 28345 **DST#: 4**
Test Start: 2007.06.19 @ 22:32:04

Tool Information

Drill Pipe:	Length: 3291.00 ft	Diameter: 3.82 inches	Volume: 46.65 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3288.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	79.00 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			3268.00	
Shut In Tool	5.00			3273.00	
Hydraulic tool	5.00			3278.00	
Packer	5.00			3283.00	21.00 Bottom Of Top Packer
Packer	5.00			3288.00	
Stubb	1.00			3289.00	
Perforations	4.00			3293.00	
Change Over Sub	1.00			3294.00	
Recorder	0.00	8320	Inside	3294.00	
Blank Spacing	32.00			3326.00	
Change Over Sub	1.00			3327.00	
Perforations	16.00			3343.00	
Recorder	0.00	13401	Inside	3343.00	
Bullnose	3.00			3346.00	58.00 Bottom Packers & Anchor

Total Tool Length: 79.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Co
PO Box 33
Russell KS 67665
ATTN: Kitt Noah

Killian #1
21 15 14 Russell KS
Job Ticket: 28345 **DST#: 4**
Test Start: 2007.06.19 @ 22:32:04

Mud and Cushion Information

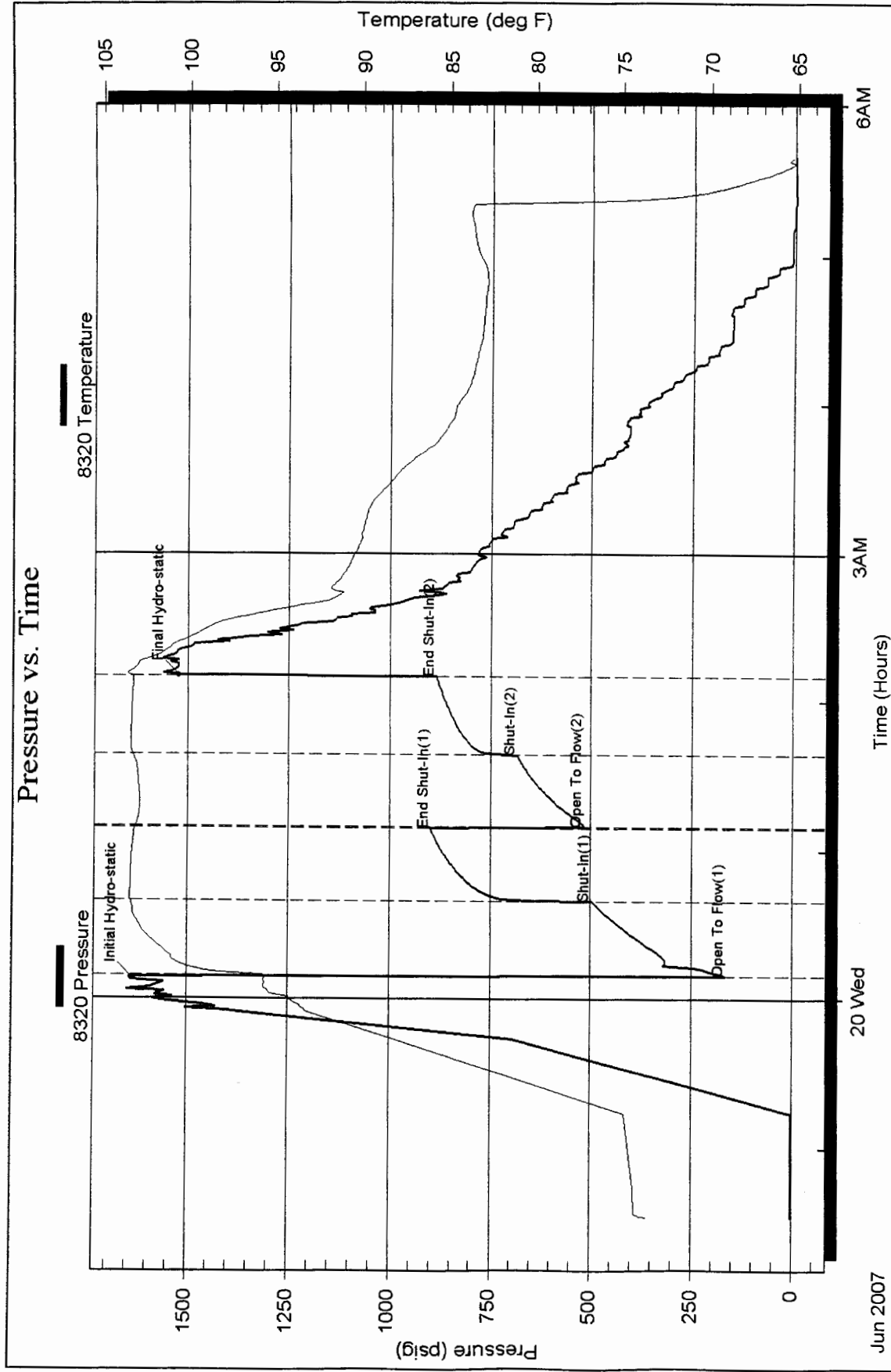
Mud Type: Gel Chem	Cushion Type:	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 7700.00 ppm		
Filter Cake: inches		

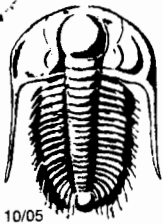
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1200.00	CGO 20%G 80%O	17.010
630.00	GVSMCO 20%G 75%O 5%M	8.931
0.00	30 GIP	0.000

Total Length: 1830.00 ft Total Volume: 25.941 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28342

10292

Test Ticket

Well Name & No. Kilian #1 Test No. 1 Date 10-17-07
 Company Max Oil Co Zone Tested LKC "C-D"
 Address P.O. Box 33 Russell, KS 67665 Elevation 1884 KB 1858 GL
 Co. Rep / Geo. Kitt Noah Rig Santhru, ind
 Location: Sec. 21 Twp. 15^s Rge. 14^w Co. Russell State KS
 Comment: _____ Release date / time: _____

Interval Tested 3097 - 3140 Initial Str Wt./Lbs. 37000 Unseated Str Wt./Lbs. 37000
 Anchor Length 43' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 45000
 Top Packer Depth 3092 Tool Weight 2500
 Bottom Packer Depth 3097 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3140 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 9.1 LCM _____ Vis. Hg WL 8 Drill Pipe Size 4 1/2 X 4 Ft. Run 3105
 Blow Description IFP - BOB in 24 min
ISI - blow back built to 1/2" died in 19 min
FEP - BOB in 27 min
FST - weak blow back died in 7 min

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>150</u>	<u>180</u>		<u>150</u>
Rec. <u>20</u> Feet of <u>CO</u>	%gas	%oil	%water %mud
Rec. <u>130</u> Feet of <u>MW w/ sum of oil</u>	%gas	%oil	<u>95%</u> water <u>5%</u> mud
Rec. _____ Feet of _____	%gas	%oil	%water %mud
Rec. _____ Feet of _____	%gas	%oil	%water %mud
Rec. _____ Feet of _____	%gas	%oil	%water %mud
BHT <u>101</u> °F Gravity _____ °API D @ <u>70</u> °F Corrected Gravity <u>30</u> °API			
RW <u>.19</u> @ <u>70</u> °F Chlorides <u>37000</u> ppm Recovery _____ Chlorides _____ ppm System			

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1493</u> PSI		<u>8320</u>	<u>X 1100</u>
(B) First Initial Flow Pressure	<u>17</u> PSI		(depth) <u>3103</u>	Jars _____
(C) First Final Flow Pressure	<u>50</u> PSI		Recorder No. <u>13401</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>368</u> PSI		(depth) <u>3137</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>58</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>80</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>361</u> PSI	Initial Opening <u>45</u>		Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1436</u> PSI	Initial Shut-In <u>45</u>		Shale Packer _____
		Final Flow <u>45</u>		Ruined Packer _____
		Final Shut-In <u>45</u>		Mileage <u>X 90 - 72</u>

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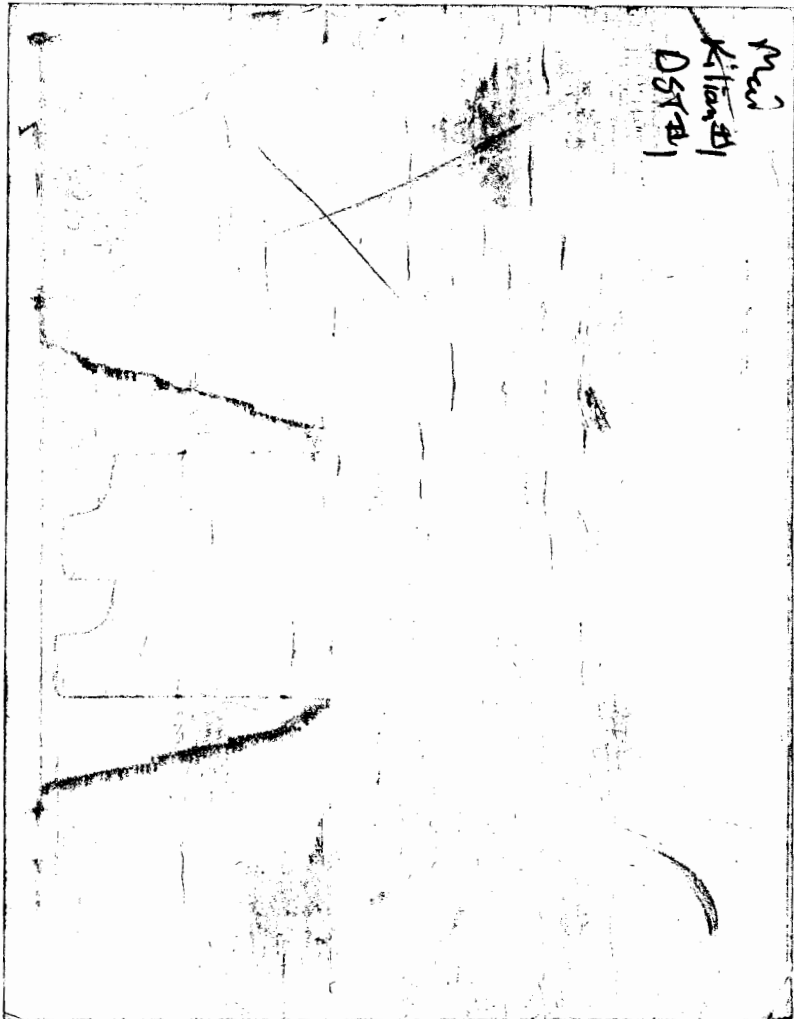
Approved By Kitt Noah
 Our Representative [Signature]

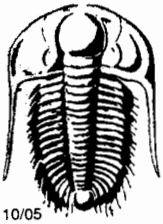
T-On Location	T-Started	T-Open	T-Pulled	T-Out	Sub Total	Std. By	Acc. Chg.	Other	Total
<u>20:30</u>	<u>21:51</u>	<u>23:24</u>	<u>2:24</u>	<u>4:51</u>	<u>1190</u>				

20:50
20:50 5975

CHART PAGE

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





TRILOBITE TESTING INC.

28343

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. Kilian #1 Test No. 2 Date 6-18-07
 Company Mai Zone Tested LKC "H-K"
 Address P.O. Box 33 Russell, KS 67665 Elevation 1886 KB 1858 GL
 Co. Rep / Geo. Kitt Noah Rig Southwind #3
 Location: Sec. 21 Twp. 15^s Rge. 14^w Co. Russell State KS
 Comment: _____ Release date / time: _____

Interval Tested 3226 - 3290 Initial Str Wt./Lbs. 42000 Unseated Str Wt./Lbs. 46000
 Anchor Length 64 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 50000
 Top Packer Depth 3221 Tool Weight 2200
 Bottom Packer Depth 3224 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3290 Wt. Pipe Run _____ Drill Collar Run 60
 Mud Wt. 8.9 LCM — Vis. 47 WL 9.2 Drill Pipe Size 4 1/2 X H Ft. Run 3226 3165

Blow Description IFP - BOB in 10 min
ISI - weak 1" blow back throughout
FFP - BOB in 11 min
FSI - weak surface blow back throughout

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>360</u>	<u>300</u>	<u>60</u>	<u>300</u>
Rec. <u>60</u>	Feet of <u>60CMW</u>	<u>40</u> %gas <u>20</u> %oil <u>10</u> %water <u>30</u> %mud	
Rec. <u>60</u>	Feet of <u>60CMW</u>	<u>30</u> %gas <u>10</u> %oil <u>30</u> %water <u>30</u> %mud	
Rec. <u>240</u>	Feet of <u>50CMW</u>	%gas <u>5</u> %oil <u>85</u> %water <u>10</u> %mud	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 103 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .22 @ 67 °F Chlorides 32000 ppm Recovery _____ Chlorides 6700 ppm System

	AK-1	Alpine	Recorder No.	Test x
(A) Initial Hydrostatic Mud	<u>1587</u>	PSI	<u>8320</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>30</u>	PSI	(depth) <u>3232</u>	Jars _____
(C) First Final Flow Pressure	<u>120</u>	PSI	Recorder No. <u>13401</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>825</u>	PSI	(depth) <u>3287</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>131</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>181</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>776</u>	PSI	Initial Opening <u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1501</u>	PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>45</u>	Ruined Packer _____
			Final Shut-In <u>45</u>	Mileage <u>x 72</u> <u>90</u>

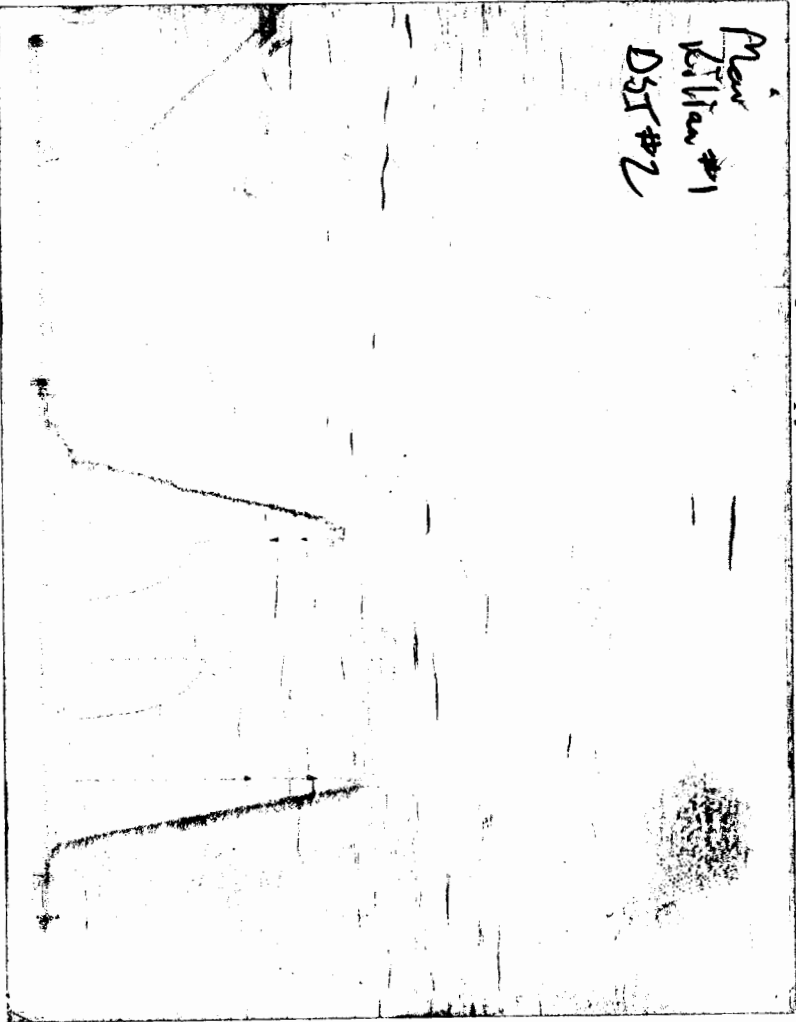
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

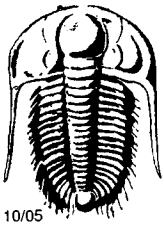
Approved By Kitt Noah
 Our Representative [Signature]

T-On Location 20:05 Sub Total: 1190
 T-Started 20:41 Std. By _____
 T-Open 22:04 Acc. Chg: _____
 T-Pulled 1:04 Other: _____
 T-Out 3:12 Total: _____

CHART PAGE

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





TRILOBITE TESTING INC.

28344

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. Kilian #1 Test No. 3 Date 6-19-07
 Company Man Zone Tested Arbuckle
 Address P.O. Box 33 Russell, KS 67665 Elevation 1886 KB 1858 GL
 Co. Rep / Geo. Kitt Noah Rig Southwind #3
 Location: Sec. 21 Twp. 15 S Rge. 14 W Co. Russell State KS
 Comment: _____ Release date / time: _____

Interval Tested 3289 - 3338 Initial Str Wt./Lbs. 40000 Unseated Str Wt./Lbs. 40000
 Anchor Length 49 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 45000
 Top Packer Depth 3284 Tool Weight 2200
 Bottom Packer Depth 3289 Hole Size 7 7/8" _____ Rubber Size 6 3/4" _____
 Total Depth 3338 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 8.9 LCM _____ Vis. 47 WL 7.2 Drill Pipe Size 4 1/2 x H Ft. Run 3292
 Blow Description IFP - weak surface blow died in 5 min - pulled tool
ISI -
FFP -
FSI -

Recovery - Total Feet 1 GIP _____ Ft. in DC 0 Ft. in DP 1
 Rec. 1 Feet of Mud - / screen (oil) %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 _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6700 ppm System

	AK-1	Alpine	Recorder No.	Test *
(A) Initial Hydrostatic Mud	<u>1633</u>	PSI	<u>4320</u>	<u>100</u>
(B) First Initial Flow Pressure	<u>17</u>	PSI	(depth) <u>3295</u>	Jars _____
(C) First Final Flow Pressure	<u>16</u>	PSI	Recorder No. <u>13401</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		PSI	(depth) <u>3335</u>	Circ Sub _____
(E) Second Initial Flow Pressure		PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		PSI	Initial Opening <u>20</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1551</u>	PSI	Initial Shut-In _____	Shale Packer _____
			Final Flow _____	Ruined Packer _____
			Final Shut-In _____	Mileage <u>x 72</u> <u>90</u>

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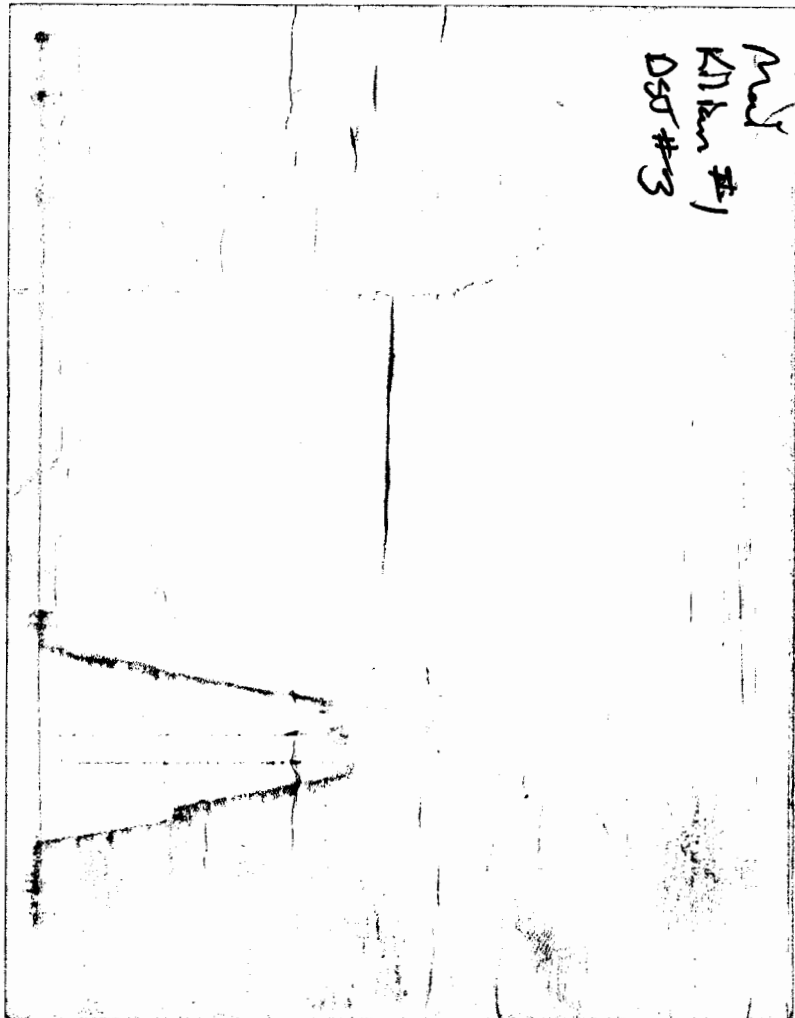
Approved By Kitt Noah
 Our Representative [Signature]

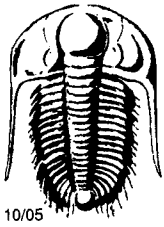
T-On Location 12:30 Sub Total: 1190
 T-Started 12:46 Std. By _____
 T-Open 14:10 Acc. Chg: _____
 T-Pulled 14:30 Other: _____
 T-Off 16:08 Total: _____

CHART PAGE

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

May
Killbuck #1
DST #3





TRILOBITE TESTING INC.

28345

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. Kilian #1 Test No. 4 Date 6-19-07
 Company Mas Zone Tested Arbuckle
 Address P.O. Box 33 Russell, KS 67665 Elevation 1886 KB 1878 GL
 Co. Rep / Geo. Kitt Noah Rig Sandwind #3
 Location: Sec. 21 Twp. 15S Rge. 14W Co. Russell State KS
 Comment: _____ Release date / time: _____

Interval Tested 3288 - 3346 Initial Str Wt./Lbs. 40000 Unseated Str Wt/Lbs. 45000
 Anchor Length 58 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 55000
 Top Packer Depth 3283 Tool Weight 1200
 Bottom Packer Depth 3288 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3346 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 8.9 LCM _____ Vis. 52 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3291

Blow Description IFP - BOB in 1 min
ISI - weak surface blow back built to 1" blow through
FFP - BOB in 1.5 min
FSI - weak surface blow back drilled in 10 min

Recovery - Total Feet 1830 GIP 30 Ft. in DC _____ Ft. in DP 1830
 Rec. 1200 Feet of CGO 20% gas 70% oil %water %mud
 Rec. 630 Feet of GD3MO 20% gas 75% oil %water 5% mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 103 °F Gravity 36 °API D @ 70 °F Corrected Gravity 35 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 7700 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1639</u> PSI		<u>8320</u>	<u>1120</u>
(B) First Initial Flow Pressure	<u>166</u> PSI		(depth) <u>3294</u>	Jars _____
(C) First Final Flow Pressure	<u>498</u> PSI		Recorder No. <u>13401</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>899</u> PSI		(depth) <u>3343</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>516</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>684</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>885</u> PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1524</u> PSI	Initial Shut-In	<u>30</u>	Shale Packer _____
		Final Flow	<u>30</u>	Ruined Packer _____
		Final Shut-In	<u>30</u>	Mileage <u>X 72 90</u>

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Approved By Kitt Noah
 Our Representative Ky Thal

T-On Location 22:15 Sub Total: 1190
 T-Started 22:32 Std. By _____
 T-Open 00:09 Acc. Chg: _____
 T-Pulled 2:09 Other: _____
 T-Out 5:39 Total: _____

CHART PAGE

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

