

DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

4 16 14W Barton KS

Popp #1

Start Date: 2006.08.29 @ 08:49:52

End Date: 2006.08.29 @ 18:40:22

Job Ticket #: 26202 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 Operations Inc

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Popp #1

4 16 14W Barton KS

Job Ticket: 26202

DST#: 1

Test Start: 2006.08.29 @ 08:49:52

GENERAL INFORMATION:

Formation: **LKC "B-C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:45:52

Time Test Ended: 18:40:22

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3144.00 ft (KB) To 3185.00 ft (KB) (TVD)**

Total Depth: 3185.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1936.00 ft (KB)

1928.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8289 Inside

Press@RunDepth: 105.26 psig @ 3155.00 ft (KB)

Start Date: 2006.08.29

End Date:

2006.08.29

Start Time: 08:49:57

End Time:

18:40:22

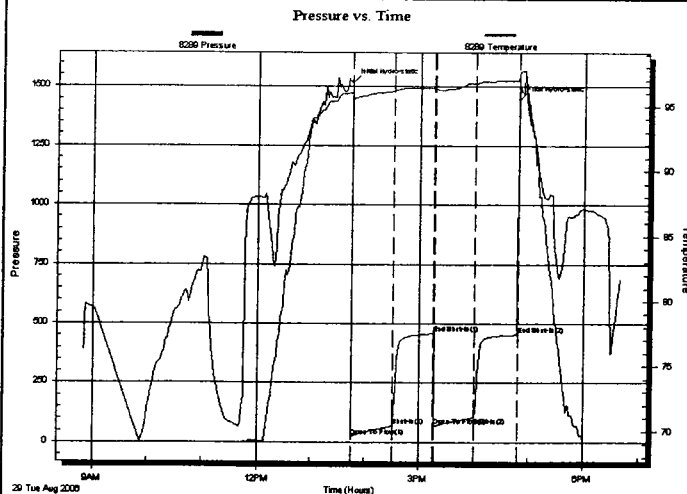
Capacity: 7000.00 psig

Last Calib.: 2006.08.29

Time On Btm: 2006.08.29 @ 13:45:21

Time Off Btm: 2006.08.29 @ 16:48:51

TEST COMMENT: IFP BOB in 4 min.
ISI 3 " blow back
FFP BOB in 2 min
FSI 6 " blow back



PRESSURE SUMMARY

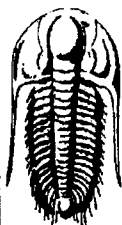
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1518.11	96.00	Initial Hydro-static
1	22.11	95.61	Open To Flow (1)
46	68.74	96.14	Shut-In(1)
91	458.86	96.42	End Shut-In(1)
92	69.42	96.33	Open To Flow (2)
137	105.26	96.74	Shut-In(2)
184	454.60	96.96	End Shut-In(2)
184	1444.92	97.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOM 50%G 20%O 30%M	0.41
60.00	GMO 40%G 20%M 40%O	0.52
130.00	CO 100%O	1.14
0.00	1970' GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Popp #1

4 16 14W Barton KS

Job Ticket: 26202

DST#: 1

Test Start: 2006.08.29 @ 08:49:52

Tool Information

Drill Pipe:	Length: 3102.00 ft	Diameter: 3.00 inches	Volume: 27.12 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:	50000.00 lb
		Total Volume:	27.27 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3144.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	41.00 ft				
Tool Length:	62.00 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			3124.00	
Shut In Tool	5.00			3129.00	
Hydraulic tool	5.00			3134.00	
Packer	5.00			3139.00	21.00 Bottom Of Top Packer
Packer	5.00			3144.00	
Stubb	1.00			3145.00	
Perforations	10.00			3155.00	
Recorder	0.00	8289	Inside	3155.00	
Perforations	27.00			3182.00	
Recorder	0.00	13409	Inside	3182.00	
Bullnose	3.00			3185.00	41.00 Bottom Packers & Anchor

Total Tool Length: 62.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Popp #1

PO Box 33
Russell KS 67665

4 16 14W Barton KS

Job Ticket: 26202

DST#: 1

ATTN: Kitt Noah

Test Start: 2006.08.29 @ 08:49:52

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 4600.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOM 50%G 20%O 30%M	0.410
60.00	GMO 40%G 20%M 40%O	0.525
130.00	CO 100%O	1.137
0.00	1970 ' GIP	0.000

Total Length: 250.00 ft

Total Volume: 2.072 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

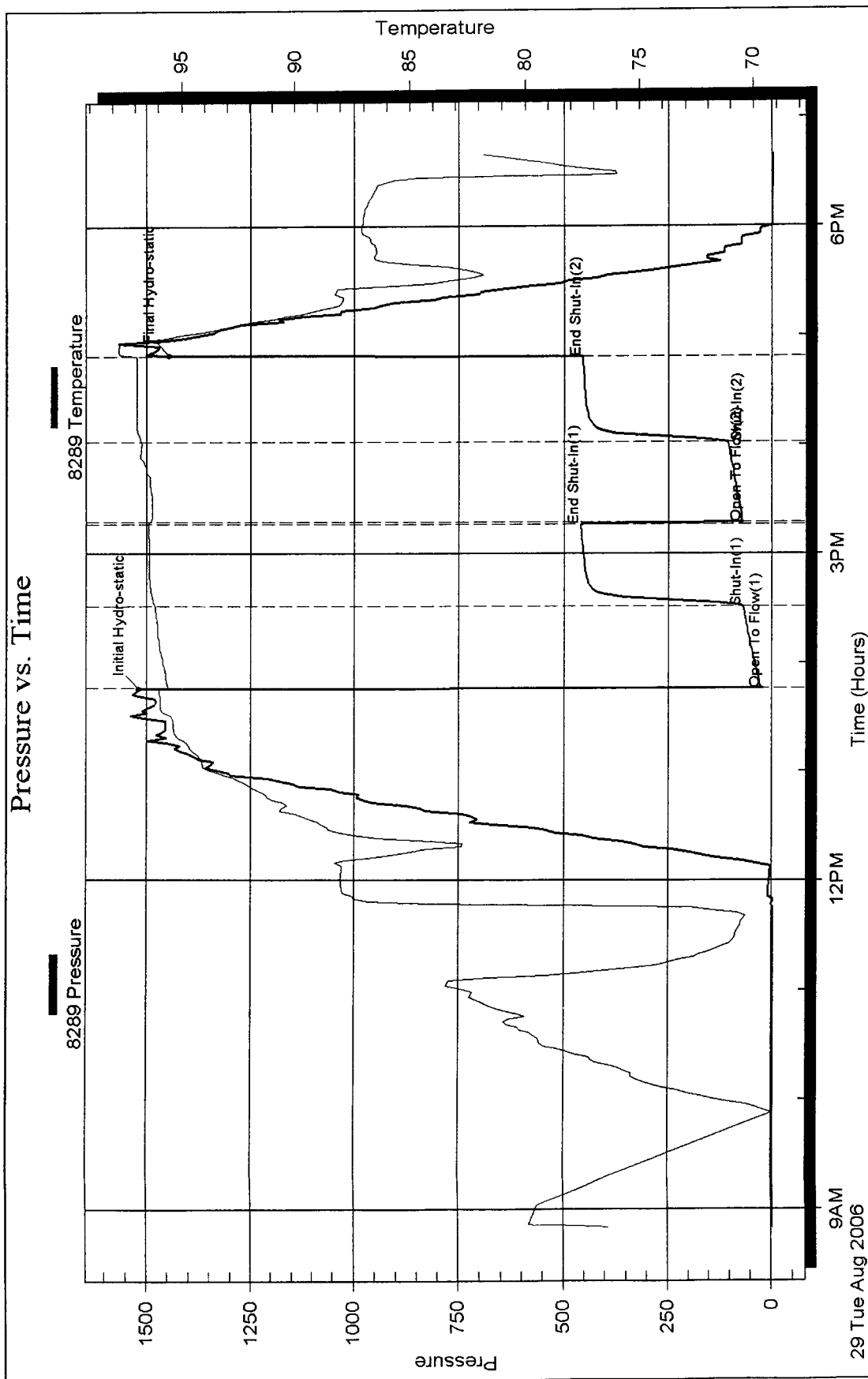
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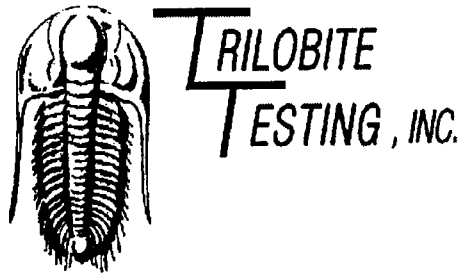
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

4 16 14W Barton KS

Popp #1

Start Date: 2006.08.30 @ 14:11:58

End Date: 2006.08.30 @ 21:34:28

Job Ticket #: 26203 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

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Popp #1

4 16 14W Barton KS

Job Ticket: 26203

DST#: 2

Test Start: 2006.08.30 @ 14:11:58

GENERAL INFORMATION:

Formation: **LKC "E-F"**

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

Time Tool Opened: 17:51:58

Time Test Ended: 21:34:28

Test Type: **Conventional Bottom Hole**

Tester: **Tyson Flax**

Unit No: **21**

Interval: **3195.00 ft (KB) To 3224.00 ft (KB) (TVD)**

Total Depth: **3224.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1936.00 ft (KB)**

1928.00 ft (CF)

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

Serial #: 8289 **Inside**

Press@RunDepth: **14.26 psig @ 3201.00 ft (KB)**

Start Date: **2006.08.30**

End Date:

2006.08.30

Start Time: **14:12:03**

End Time:

21:34:27

Capacity: **7000.00 psig**

Last Calib.: **2006.08.30**

Time On Btm: **2006.08.30 @ 17:51:28**

Time Off Btm: **2006.08.30 @ 19:51:57**

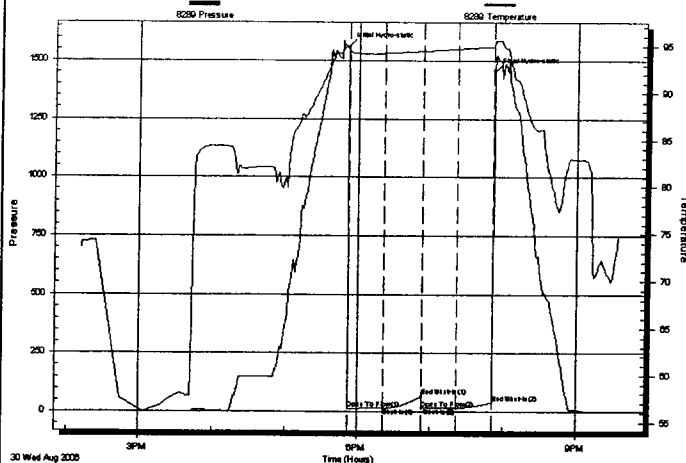
TEST COMMENT: IFP Weak surface blow throughout

ISI No blow back

FFP No blow

FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

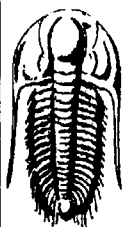
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1559.73	94.86	Initial Hydro-static
1	13.41	94.43	Open To Flow (1)
30	14.41	94.24	Shut-In(1)
62	65.42	94.47	End Shut-In(1)
62	14.26	94.48	Open To Flow (2)
90	14.26	94.71	Shut-In(2)
120	38.72	94.94	End Shut-In(2)
121	1455.45	95.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	VSOCM 5%O 95%M	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Popp #1

4 16 14W Barton KS

Job Ticket: 26203

DST#: 2

Test Start: 2006.08.30 @ 14:11:58

Tool Information

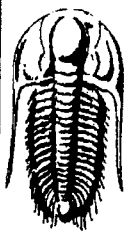
Drill Pipe:	Length: 3160.00 ft	Diameter: 3.00 inches	Volume: 27.63 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	27.78 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3195.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	29.00 ft				
Tool Length:	50.00 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			3175.00	
Shut In Tool	5.00			3180.00	
Hydraulic tool	5.00			3185.00	
Packer	5.00			3190.00	21.00 Bottom Of Top Packer
Packer	5.00			3195.00	
Stubb	1.00			3196.00	
Perforations	5.00			3201.00	
Recorder	0.00	8289	Inside	3201.00	
Perforations	20.00			3221.00	
Recorder	0.00	13409	Inside	3221.00	
Bullnose	3.00			3224.00	29.00 Bottom Packers & Anchor

Total Tool Length: 50.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Popp #1

PO Box 33
Russell KS 67665

4 16 14W Barton KS

Job Ticket: 26203

DST#: 2

ATTN: Kitt Noah

Test Start: 2006.08.30 @ 14:11:58

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: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	VSOCM 5%O 95%M	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

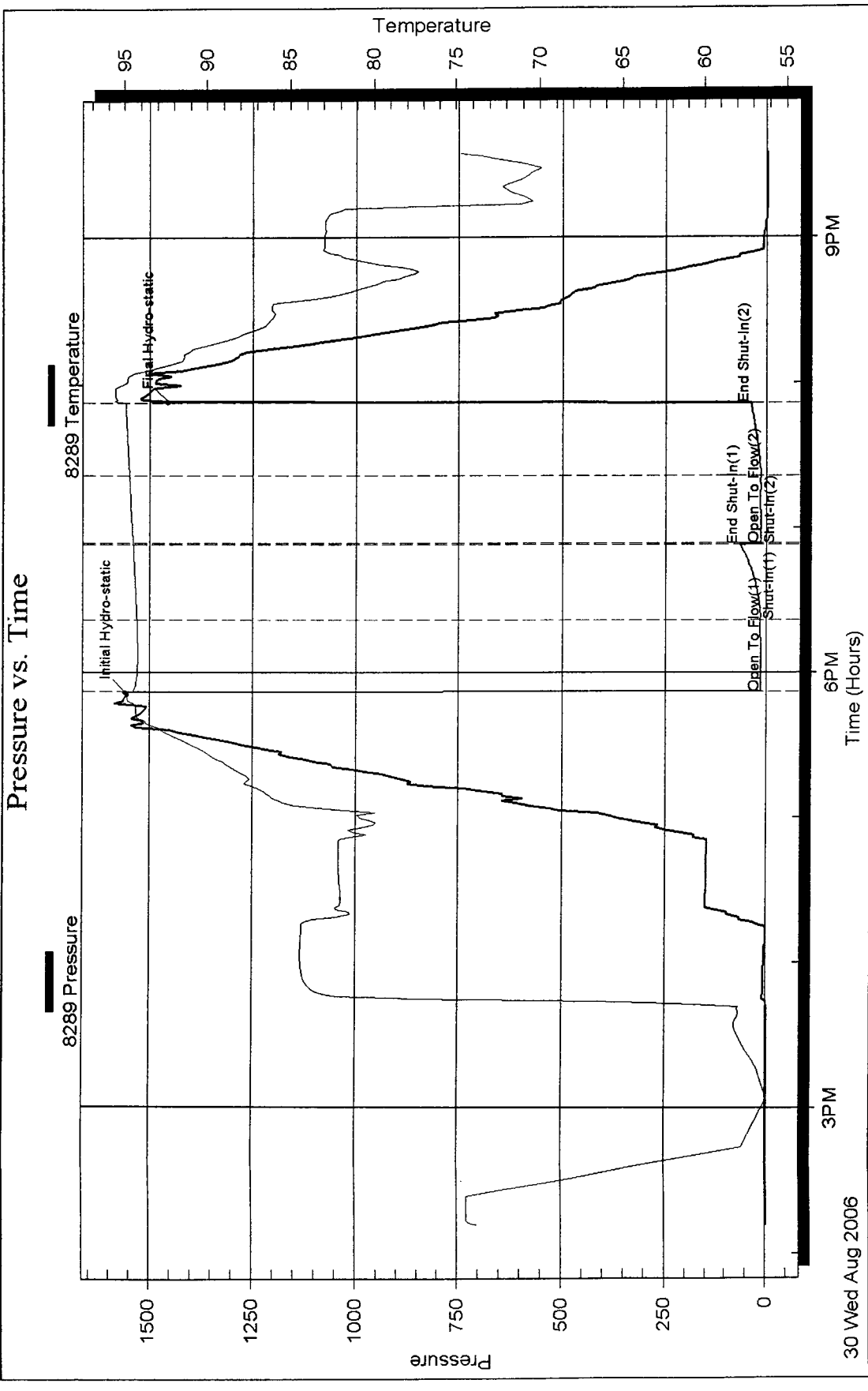
Serial #: 8289

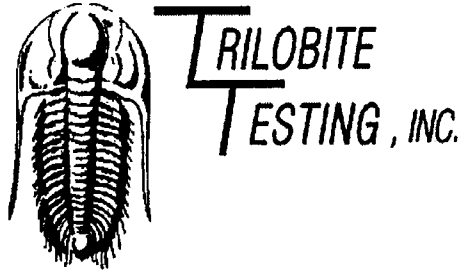
Inside

Mai Oil Operations Inc

4 16 14W Barton KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

4 16 14W Barton KS

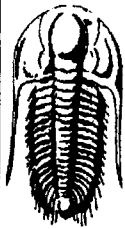
Popp #1

Start Date: 2006.08.30 @ 01:59:09

End Date: 2006.08.30 @ 11:01:39

Job Ticket #: 26204 DST #: 3

Trilobite Testing, Inc
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DRILL STEM TEST REPORT

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Popp #1

4 16 14W Barton KS

Job Ticket: 26204

DST#: 3

Test Start: 2006.08.30 @ 01:59:09

GENERAL INFORMATION:

Formation: **LKC "H-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:17:09

Time Test Ended: 11:01:39

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3270.00 ft (KB) To 3340.00 ft (KB) (TVD)**

Total Depth: 3340.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1936.00 ft (KB)

1928.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8289

Inside

Press@RunDepth: 49.97 psig @ 3316.00 ft (KB)

Start Date: 2006.08.30

End Date:

2006.08.30

Start Time: 01:59:14

End Time:

11:01:39

Capacity: 7000.00 psig

Last Calib.: 2006.08.31

Time On Btm: 2006.08.30 @ 05:16:39

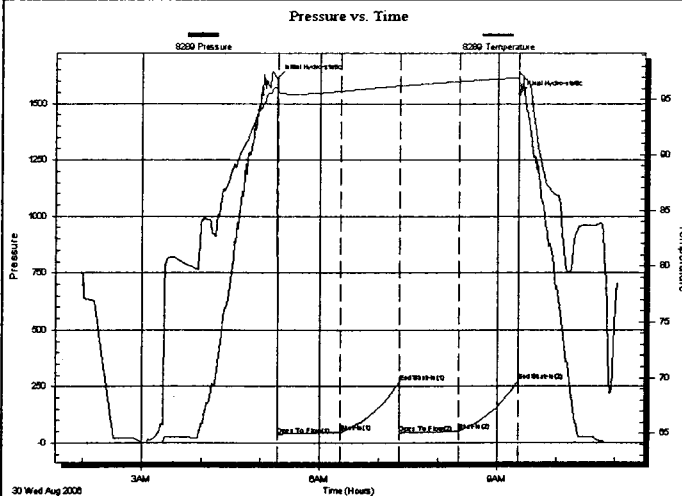
Time Off Btm: 2006.08.30 @ 09:21:08

TEST COMMENT: IFP Weak surface blow built to 4.5"

ISI No blow back

FFP BOB in 40 min

FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.37	96.03	Initial Hydro-static
1	35.74	95.64	Open To Flow (1)
65	46.06	95.73	Shut-In(1)
124	268.01	96.23	End Shut-In(1)
125	42.71	96.21	Open To Flow (2)
184	49.97	96.62	Shut-In(2)
244	274.32	96.97	End Shut-In(2)
245	1542.85	97.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	HOCM 40% O 60% M	0.23
10.00	CO 100% O	0.09
0.00	170 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc

Popp #1

PO Box 33
Russell KS 67665

4 16 14W Barton KS

Job Ticket: 26204

DST#: 3

ATTN: Kitt Noah

Test Start: 2006.08.30 @ 01:59:09

Tool Information

Drill Pipe:	Length: 3225.00 ft	Diameter: 3.00 inches	Volume: 28.20 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:	48000.00 lb
		Total Volume:	28.35 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3270.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	70.00 ft				
Tool Length:	91.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

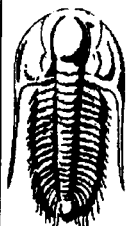
Tool Comments:

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		3250.00	
Shut In Tool	5.00		3255.00	
Hydraulic tool	5.00		3260.00	
Packer	5.00		3265.00	21.00 Bottom Of Top Packer
Packer	5.00		3270.00	
Stubb	1.00		3271.00	
Perforations	13.00		3284.00	
Change Over Sub	1.00		3285.00	
Blank Spacing	31.00		3316.00	
Recorder	0.00	8289	Inside	3316.00
Change Over Sub	1.00		3317.00	
Perforations	20.00		3337.00	
Recorder	0.00	13409	Inside	3337.00
Bullnose	3.00		3340.00	70.00 Bottom Packers & Anchor

Total Tool Length: 91.00



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Popp #1

PO Box 33
Russell KS 67665

4 16 14W Barton KS

Job Ticket: 26204

DST#: 3

ATTN: Kitt Noah

Test Start: 2006.08.30 @ 01:59:09

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	HOCM 40%O 60%M	0.235
10.00	CO 100%O	0.087
0.00	170 GIP	0.000

Total Length: 50.00 ft

Total Volume: 0.322 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8289

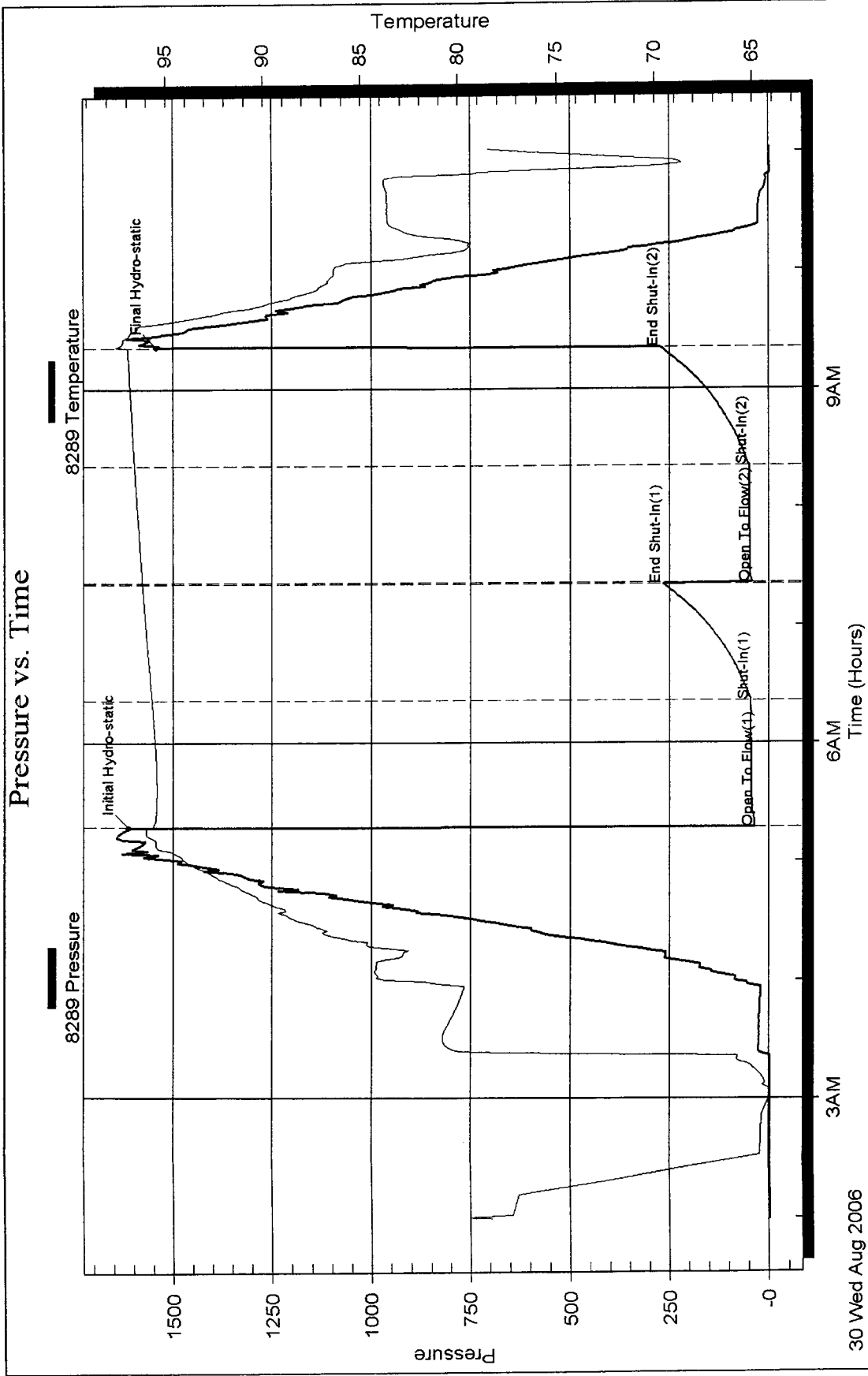
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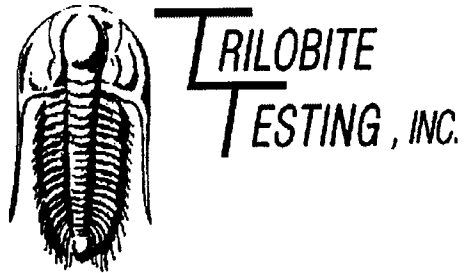
Mai Oil Operations Inc

4 16 14W Barton KS

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

4 16 14W Barton KS

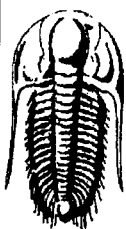
Popp #1

Start Date: 2006.08.31 @ 18:53:06

End Date: 2006.09.01 @ 03:54:06

Job Ticket #: 26205 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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TRILOBITE
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DRILL STEM TEST REPORT

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Popp #1

4 16 14W Barton KS

Job Ticket: 26205

DST#: 4

Test Start: 2006.08.31 @ 18:53:06

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:51:36

Time Test Ended: 03:54:06

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3360.00 ft (KB) To 3406.00 ft (KB) (TVD)**

Total Depth: 3406.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1936.00 ft (KB)

1928.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8289 Inside

Press@RunDepth: 51.15 psig @ 3366.00 ft (KB)

Start Date: 2006.08.31

End Date: 2006.09.01

Capacity: 7000.00 psig

Last Calib.: 2006.09.01

Start Time: 18:53:11

End Time: 03:54:06

Time On Btm: 2006.08.31 @ 21:51:06

Time Off Btm: 2006.09.01 @ 00:48:35

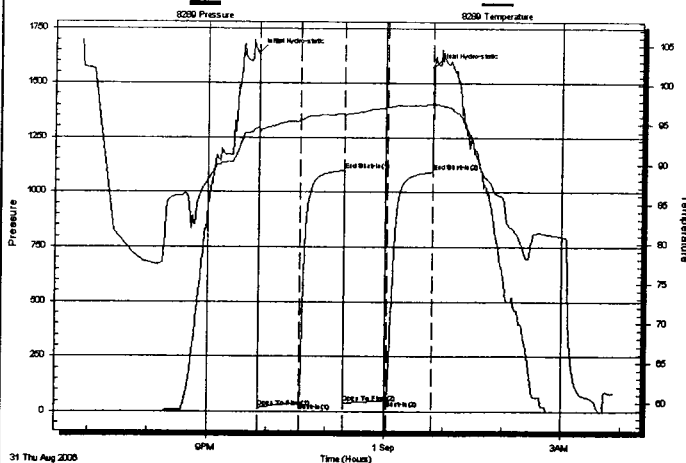
TEST COMMENT: IFP Blow built to 4"

ISI Weak surface blow back died in 35 min

FFP Weak surface blow throughout

FSI Weak surface blow back died in 20 min

Pressure vs. Time



PRESSURE SUMMARY

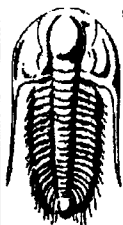
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1640.34	94.66	Initial Hydro-static
1	16.28	93.71	Open To Flow (1)
43	39.54	95.52	Shut-In (1)
87	1098.28	96.45	End Shut-In (1)
88	40.13	96.19	Open To Flow (2)
131	51.15	97.22	Shut-In (2)
177	1092.30	97.57	End Shut-In (2)
178	1572.92	97.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	WM 98%M 2%W	0.50
5.00	CO 100%O	0.04

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Popp #1

4 16 14W Barton KS

Job Ticket: 26205

DST#: 4

Test Start: 2006.08.31 @ 18:53:06

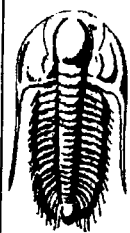
Tool Information

Drill Pipe:	Length: 3320.00 ft	Diameter: 3.00 inches	Volume: 29.03 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: 50000.00 lb
		Total Volume:	29.18 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3360.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	67.00 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			3340.00	
Shut In Tool	5.00			3345.00	
Hydraulic tool	5.00			3350.00	
Packer	5.00			3355.00	21.00 Bottom Of Top Packer
Packer	5.00			3360.00	
Stubb	1.00			3361.00	
Stubb	4.00			3365.00	
Change Over Sub	1.00			3366.00	
Recorder	0.00	8289	Inside	3366.00	
Blank Spacing	31.00			3397.00	
Change Over Sub	1.00			3398.00	
Change Over Sub	5.00			3403.00	
Recorder	0.00	13409	Inside	3403.00	
Bullnose	3.00			3406.00	46.00 Bottom Packers & Anchor

Total Tool Length: 67.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Popp #1

PO Box 33
Russell KS 67665

4 16 14W Barton KS

Job Ticket: 26205

DST#: 4

ATTN: Kitt Noah

Test Start: 2006.08.31 @ 18:53:06

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 7200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft
bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	WM 98%M 2%W	0.497
5.00	CO 100%O	0.044

Total Length: 75.00 ft

Total Volume: 0.541 bbl

Num Fluid Samples: 0

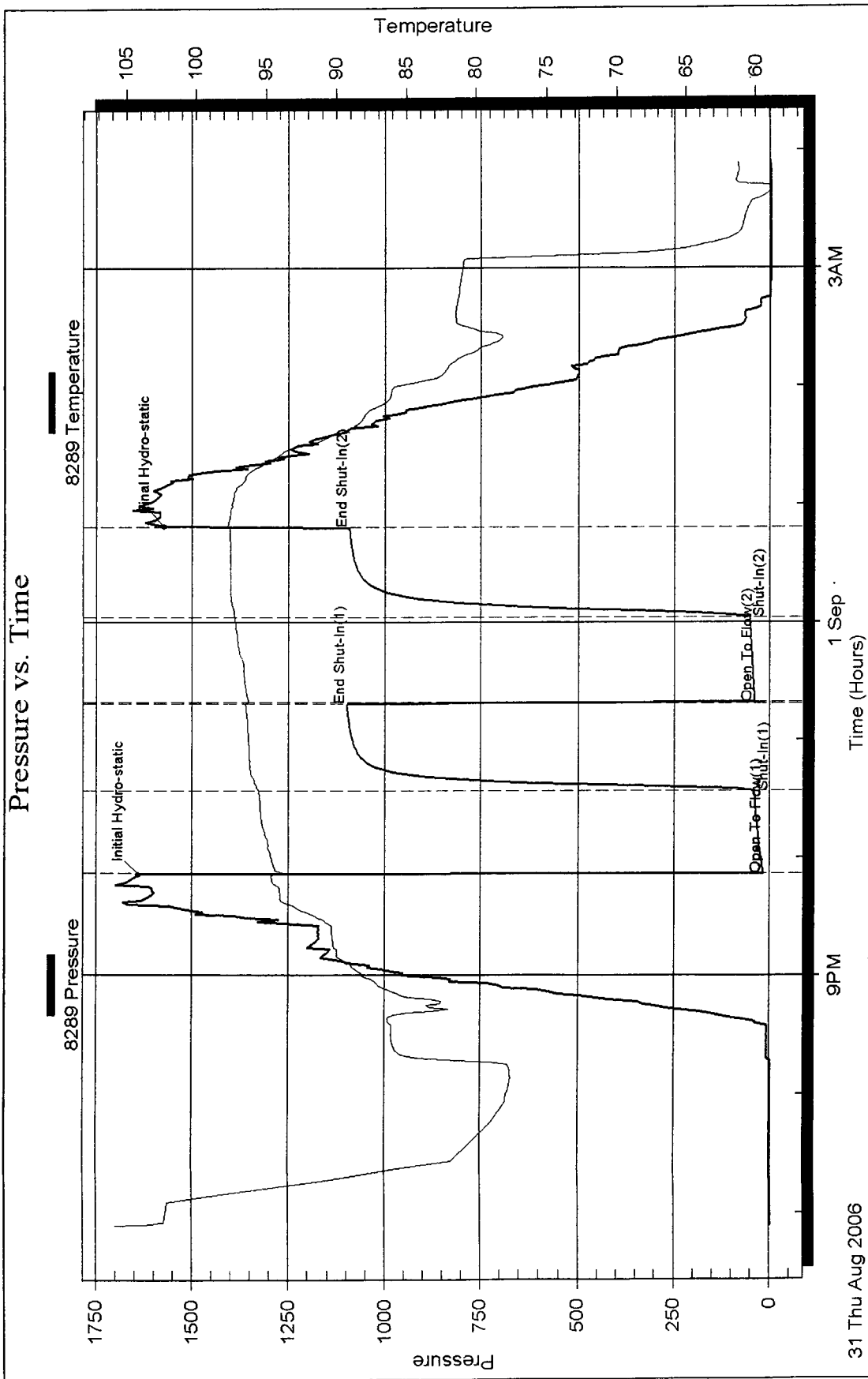
Num Gas Bombs: 0

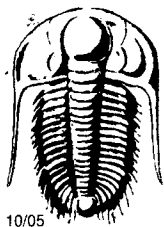
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9/88 26202

Test Ticket

Well Name & No. <u>Papp #1</u>	Test No. <u>1</u>	Date <u>8/29/06</u>
Company <u>Mai Oil Operations, Inc</u>	Zone Tested <u>LKC "B-C"</u>	
Address <u>P.O. Box 33 Russell, KS 67665</u>	Elevation <u>1936</u>	KB <u>1928</u> GL
Co. Rep / Geo. <u>Kitt Noah</u>	Rig <u>Southwind #3</u>	
Location: Sec. <u>4</u> Twp. <u>16S</u> Rge. <u>14W</u>	Co. <u>Barton</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3144 - 3185</u>	Initial Str Wt./Lbs. <u>42000</u>	Unseated Str Wt./Lbs. <u>44000</u>
Anchor Length <u>41'</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>50000</u>
Top Packer Depth <u>3139</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3144</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3185</u>	Wt. Pipe Run _____	Drill Collar Run <u>30'</u>
Mud Wt. <u>8.92</u> LCM _____ Vis. <u>59</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 x 4</u>	Ft. Run <u>3102</u>

Blow Description IEP - BOB in 4 min.
ISI - 3" blow back
FFP - BOB in 2 min.
FSE - 6" blow back

Recovery - Total Feet <u>250</u>	GIP <u>1970'</u>	Ft. in DC <u>30</u>	Ft. in DP <u>320</u>
Rec. <u>130</u>	Feet of <u>CO</u>	%gas <u>100</u>	%oil _____ %water _____ %mud _____
Rec. <u>60</u>	Feet of <u>GMO</u>	<u>40</u> %gas <u>40</u>	%oil _____ %water <u>20</u> %mud _____
Rec. <u>60</u>	Feet of <u>GOM</u>	<u>50</u> %gas <u>20</u>	%oil _____ %water <u>30</u> %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>97</u>	'F Gravity <u>41</u>	'API D @ <u>81</u>	'F Corrected Gravity <u>39</u> 'API _____
RW _____ @ _____ 'F	Chlorides _____ ppm	Recovery _____	Chlorides <u>4000</u> ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1516</u>	PSI	Recorder No. <u>8289</u>	Test <u>X</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>22</u>	PSI	(depth) <u>3155</u>	Jars	_____
(C) First Final Flow Pressure	<u>69</u>	PSI	Recorder No. <u>13409</u>	Safety Jt.	_____
(D) Initial Shut-In Pressure	<u>459</u>	PSI	(depth) <u>3182</u>	Circ Sub	_____
(E) Second Initial Flow Pressure	<u>69</u>	PSI	Recorder No. _____	Sampler	_____
(F) Second Final Flow Pressure	<u>105</u>	PSI	(depth) _____	Straddle	_____
(G) Final Shut-In Pressure	<u>455</u>	PSI	Initial Opening <u>45</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud	<u>1500</u>	PSI	Initial Shut-In <u>45</u>	Shale Packer	_____
			Final Flow <u>45</u>	Ruined Packer	<u>105</u>
			Final Shut-In <u>45</u>	Mileage <u>X 84</u>	<u>105</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 by FH

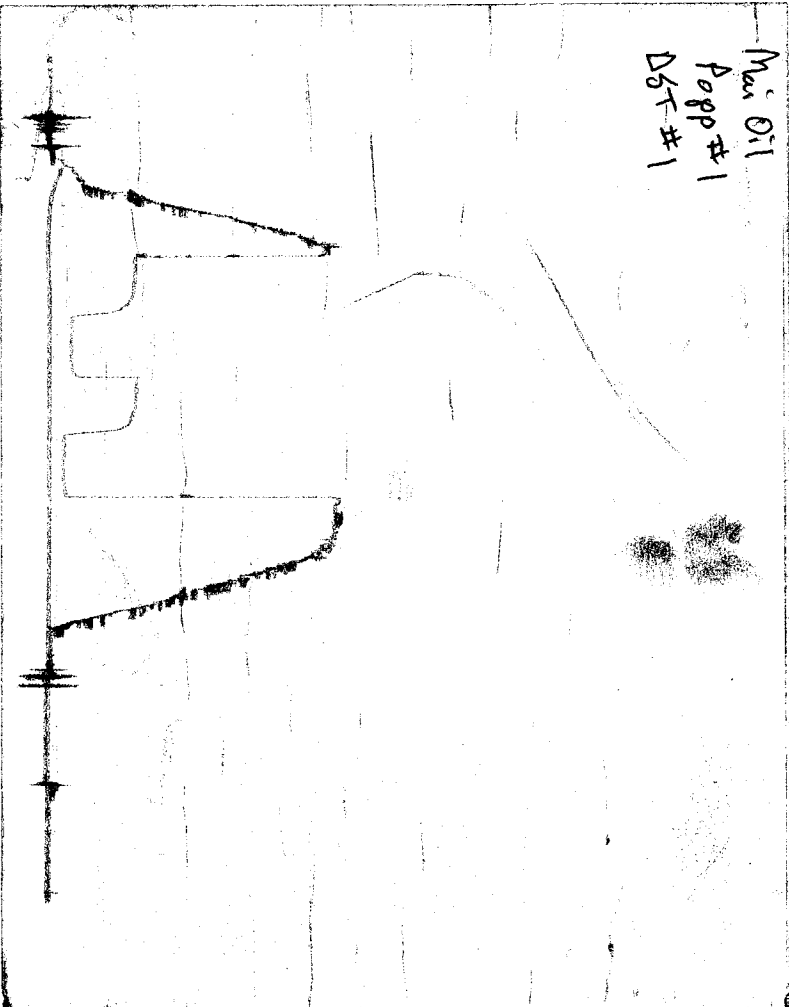
T-On Location 08:25
 T-Started 08:52
 T-Open 13:48
 T-Pulled 16:48
 T-Out 18:40

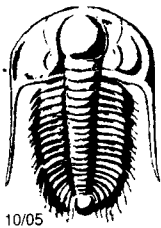
Sub Total: 1205.00
 Std. By 21r 202.00
 Acc. Chg: _____
 Other: _____
 Total: \$1405.00

CHART PAGE

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

Mei 01
Pop #1
D5F #1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26203

Test Ticket

Well Name & No. Popp #1 Test No. 2 Date 8/30/06
Company Mai Oil Operations, Inc Zone Tested LKC "E-F"
Address P.O. Box 33 Russell, KS 67665 Elevation 1936 KB 1928 GL
Co. Rep / Geo. Kitt Noah Rig Southwind #3
Location: Sec. 4 Twp. 16 S Rge. 14 W Co. Barton State KS
Comment: _____ Release date / time: _____

Interval Tested 3195 - 3224 Initial Str Wt./Lbs. 44000 Unseated Str Wt./Lbs. 44000
Anchor Length 29' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 50000
Top Packer Depth 3190 Tool Weight 2200
Bottom Packer Depth 3195 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 3224 Wt. Pipe Run _____ Drill Collar Run 30
Mud Wt. 9.2 LCM _____ Vis. 59 WL 8.8 Drill Pipe Size 4 1/2 KH Ft. Run 3160
Blow Description IFP - weak surface blow throughout
ISE - no blow back
FFP - no blow
FSI - no blow back

Recovery - Total Feet 5 GIP _____ Ft. in DC 5 Ft. in DP _____
Rec. 5 Feet of 150 LCM %gas 5 %oil _____ %water 95 %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 95 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4600 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1552</u>	PSI	<u>8289</u>	<u>X</u>
(B) First Initial Flow Pressure	<u>13</u>	PSI	(depth) <u>3201</u>	Jars _____
(C) First Final Flow Pressure	<u>14</u>	PSI	Recorder No. <u>13409</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>65</u>	PSI	(depth) <u>3221</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>14</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>14</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>39</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1517</u>	PSI	Initial Shut-In <u>30</u>	Shale Packer _____

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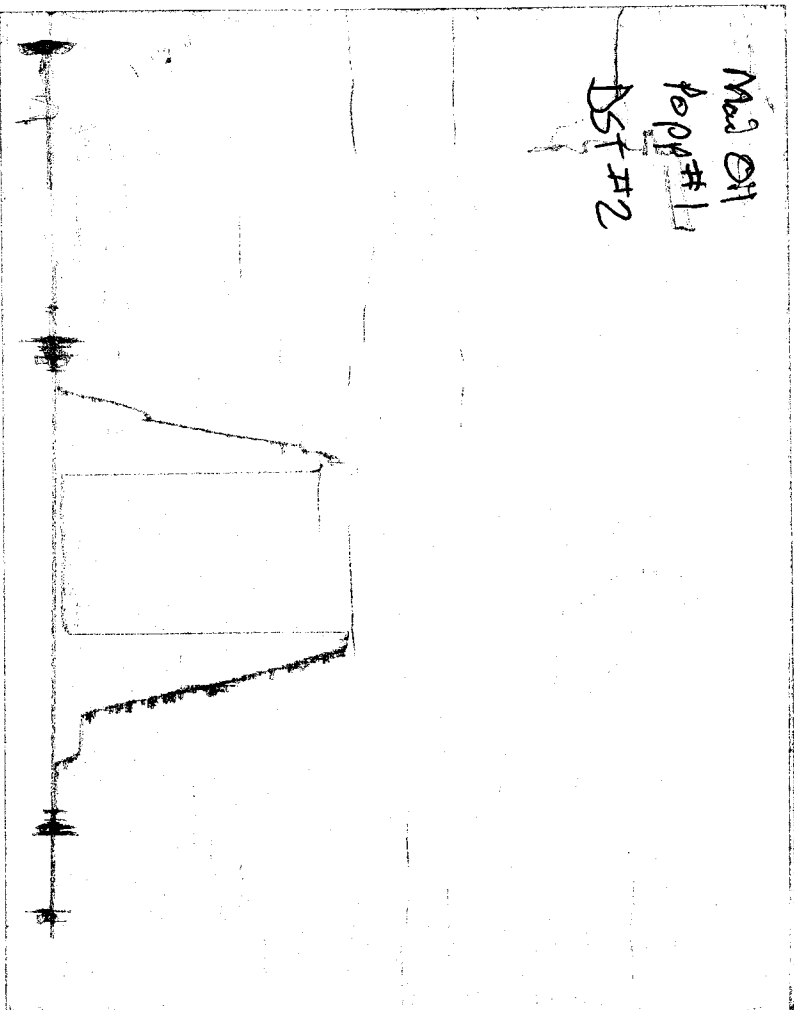
Approved By _____

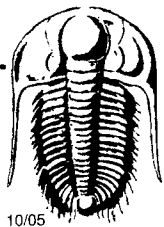
Our Representative [Signature]

Final Flow 30
Final Shut-In 30
T-On Location 02:09
T-Started 02:11
T-Open 05:21
T-Pulled 07:51
T-Out 09:32
Test X
Jars _____
Safety Jt. _____
Circ Sub _____
Sampler _____
Straddle _____
Ext. Packer _____
Shale Packer _____
Ruined Packer _____
Mileage X 84 mi
Sub Total: 1205
Std. By _____
Acc. Chg: _____
Other: _____
Total: _____

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26204

Test Ticket

Well Name & No. Popp #1 Test No. 3 Date 8/31/06
Company Mal Oil Operations, Inc Zone Tested LKC "H-K"
Address P.O. Box 33 Russell, KS 67665 Elevation 1936 KB 1928 GL
Co. Rep / Geo. Kitt Noah Rig Southwind #3
Location: Sec. 4 Twp. 16 S Rge. 14 W Co. Barton State KS
Comment: _____ Release date / time: _____

Interval Tested 3270 - 3340 Initial Str Wt./Lbs. 42000 Unseated Str Wt/Lbs. 44000
Anchor Length 70' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 48000
Top Packer Depth 3265 Tool Weight 2200
Bottom Packer Depth 3270 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 3340 Wt. Pipe Run _____ Drill Collar Run 30
Mud Wt. 9.0 LCM _____ Vis. 5.8 WL 8.8 Drill Pipe Size 4 1/2 X H Ft. Run 3225
Blow Description IFP - weak surface blow built to 4.5"

ISI - no blow back

FFP - BOB in 40 min

FSI - no blow back

Recovery - Total Feet 50 GIP 170 Ft. in DC _____ Ft. in DP _____
Rec. 10 Feet of 60 %gas 100 %oil _____ %water _____ %mud _____
Rec. 40 Feet of HOCM %gas 40 %oil _____ %water 60 %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
BHT 97 °F Gravity 38 °API D @ 80 °F Corrected Gravity 36 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 8000 ppm System

	AK-1	Alpine	Recorder No.	Test X
(A) Initial Hydrostatic Mud	<u>1624</u>	PSI	<u>8289</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>36</u>	PSI	(depth) <u>334</u>	Jars _____
(C) First Final Flow Pressure	<u>46</u>	PSI	Recorder No. <u>13409</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>266</u>	PSI	(depth) <u>3337</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>43</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>50</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>274</u>	PSI	Initial Opening <u>60</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1579</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer _____
			Final Flow <u>60</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>X 11</u> <u>185</u>
			T-On Location <u>01:50</u>	Sub Total: _____
			T-Started <u>01:59</u>	Std. By <u>100</u>
			T-Open <u>05:21</u>	Acc. Chg: _____
			T-Pulled <u>09:21</u>	Other: _____
			T-Out <u>11:02</u>	Total: <u>1100</u>

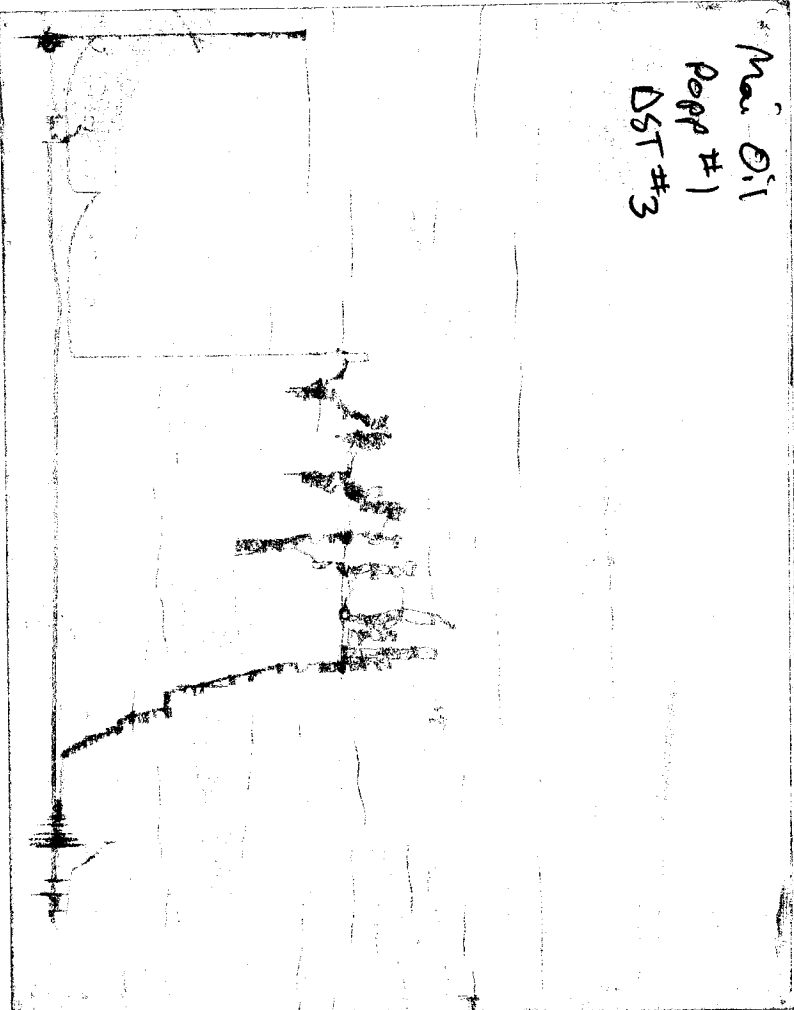
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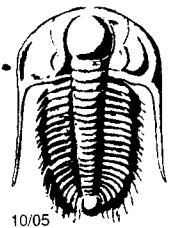
Approved By Kitt Noah
Our Representative by [Signature]

CHART PAGE

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

Max Oil
Pop #1
DST #3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26205

Test Ticket

Well Name & No. Papp #1 Test No. 4 Date 8/31/06
 Company Mai Oil Operations, Inc Zone Tested Arbuckle
 Address P.O. Box 33 Russell, KS 67665 Elevation 1934 KB 1928 GL
 Co. Rep / Geo. Kitt Noah Rig Southwind #3
 Location: Sec. 4 Twp. 16 S Rge. 14 W Co. Barton State KS
 Comment: _____ Release date / time: _____

Interval Tested 3360 - 3406 Initial Str Wt./Lbs. 47000 Unseated Str Wt/Lbs. 44000
 Anchor Length 46' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 50000
 Top Packer Depth 3355 Tool Weight 2200
 Bottom Packer Depth 3360 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3406 Wt. Pipe Run _____ Drill Collar Run 30
 Mud Wt. 9.1 LCM _____ Vis. 54 WL 8.0 Drill Pipe Size 4 1/2 X 11 Ft. Run _____
 Blow Description IFP - blow built to 4"

ISI - weak surface blow back died in 35 min

FFP - weak surface blow throughout

FSI - weak surface blow back died in 20 min

Recovery - Total Feet 75 GIP _____ Ft. in DC 30 Ft. in DP 45
 Rec. 5 Feet of CO %gas 100 %oil _____ %water _____ %mud _____
 Rec. 70 Feet of WM %gas _____ %oil 2 %water 98 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 98 °F Gravity 35 °API D @ 60 °F Corrected Gravity 35 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 7200 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud		<u>1642</u>	PSI	Recorder No. <u>8289</u>	Test <u>X</u> <u>1100</u>
(B) First Initial Flow Pressure		<u>16</u>	PSI	(depth) <u>3366</u>	Jars _____
(C) First Final Flow Pressure		<u>40</u>	PSI	Recorder No. <u>13409</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>1098</u>	PSI	(depth) <u>3403</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>40</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>51</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>1092</u>	PSI	Initial Opening <u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1608</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 27</u> <u>37.75</u>
				T-On Location <u>18:45</u>	Sub Total: <u>1137.75</u>
				T-Started <u>18:53</u>	Std. By _____
				T-Open <u>21:48</u>	Acc. Chg: _____
				T-Pulled <u>00:48</u>	Other: _____
				T-Out <u>03:20</u>	Total: _____

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Approved By Kitt Noah

Our Representative [Signature]

CHART PAGE

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Page #1
Run on
Dist #4

