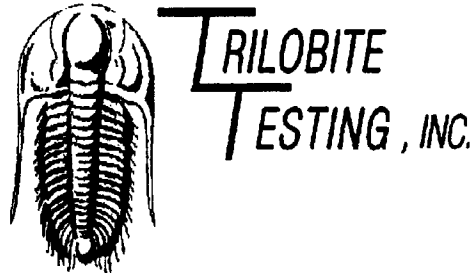


15-009-25075

3-16s-14w



DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

3 16 14W Barton KS

Hughes #2

Start Date: 2007.08.11 @ 03:46:14

End Date: 2007.08.11 @ 09:13:53

Job Ticket #: 28812 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

Hughes #2

3 16 14W Barton KS

Job Ticket: 28812

DST#: 1

Test Start: 2007.08.11 @ 03:46:14

GENERAL INFORMATION:

Formation: **LKC B-C**

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

Time Tool Opened: 06:27:44

Time Test Ended: 09:13:53

Test Type: **Conventional Bottom Hole**

Tester: **Zach Stover**

Unit No: **23**

Interval: **3116.00 ft (CF) To 3160.00 ft (CF) (TVD)**

Total Depth: **3160.00 ft (CF) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1903.00 ft (KB)**

1895.00 ft (CF)

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

Serial #: 8289 **Inside**

Press@RunDepth: **23.38 psig @ 3122.00 ft (CF)**

Start Date: **2007.08.11**

End Date: **2007.08.11**

Start Time: **03:46:19**

End Time: **09:13:54**

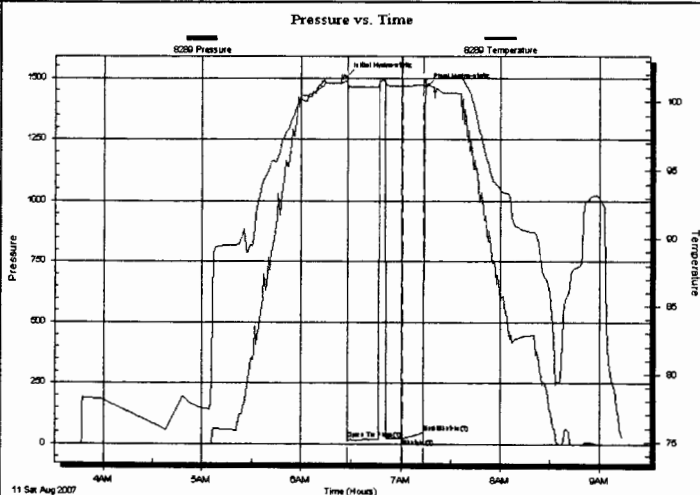
Capacity: **7000.00 psig**

Last Calib.: **2007.08.11**

Time On Btm: **2007.08.11 @ 06:26:44**

Time Off Btm: **2007.08.11 @ 07:14:44**

TEST COMMENT: IF Weak surface blow
ISI No blow
Pulled test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1505.45	101.52	Initial Hydro-static
1	18.58	100.82	Open To Flow (1)
34	23.38	101.17	Shut-In(1)
47	47.77	101.23	End Shut-In(1)
48	1463.94	101.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 1%O 99%M	0.05

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

Hughes #2

PO Box 33
Russell KS 67665

3 16 14W Barton KS

Job Ticket: 28812

DST#: 1

ATTN: Kitt Noah

Test Start: 2007.08.11 @ 03:46:14

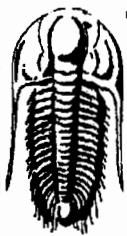
Tool Information

Drill Pipe:	Length: 2983.00 ft	Diameter: 3.80 inches	Volume: 41.84 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 42.43 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3116.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 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			3097.00	
Shut In Tool	5.00			3102.00	
Hydraulic tool	5.00			3107.00	
Packer	4.00			3111.00	20.00 Bottom Of Top Packer
Packer	5.00			3116.00	
Stubb	1.00			3117.00	
Perforations	4.00			3121.00	
Change Over Sub	1.00			3122.00	
Recorder	0.00	8289	Inside	3122.00	
Blank Spacing	30.00			3152.00	
Change Over Sub	1.00			3153.00	
Perforations	2.00			3155.00	
Recorder	0.00	13789	Outside	3155.00	
Bullnose	5.00			3160.00	44.00 Bottom Packers & Anchor

Total Tool Length: 64.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Hughes #2

PO Box 33
Russell KS 67665

3 16 14W Barton KS

Job Ticket: 28812

DST#: 1

ATTN: Kitt Noah

Test Start: 2007.08.11 @ 03:46:14

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: 10.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 1%O 99%M	0.049

Total Length: 10.00 ft

Total Volume: bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

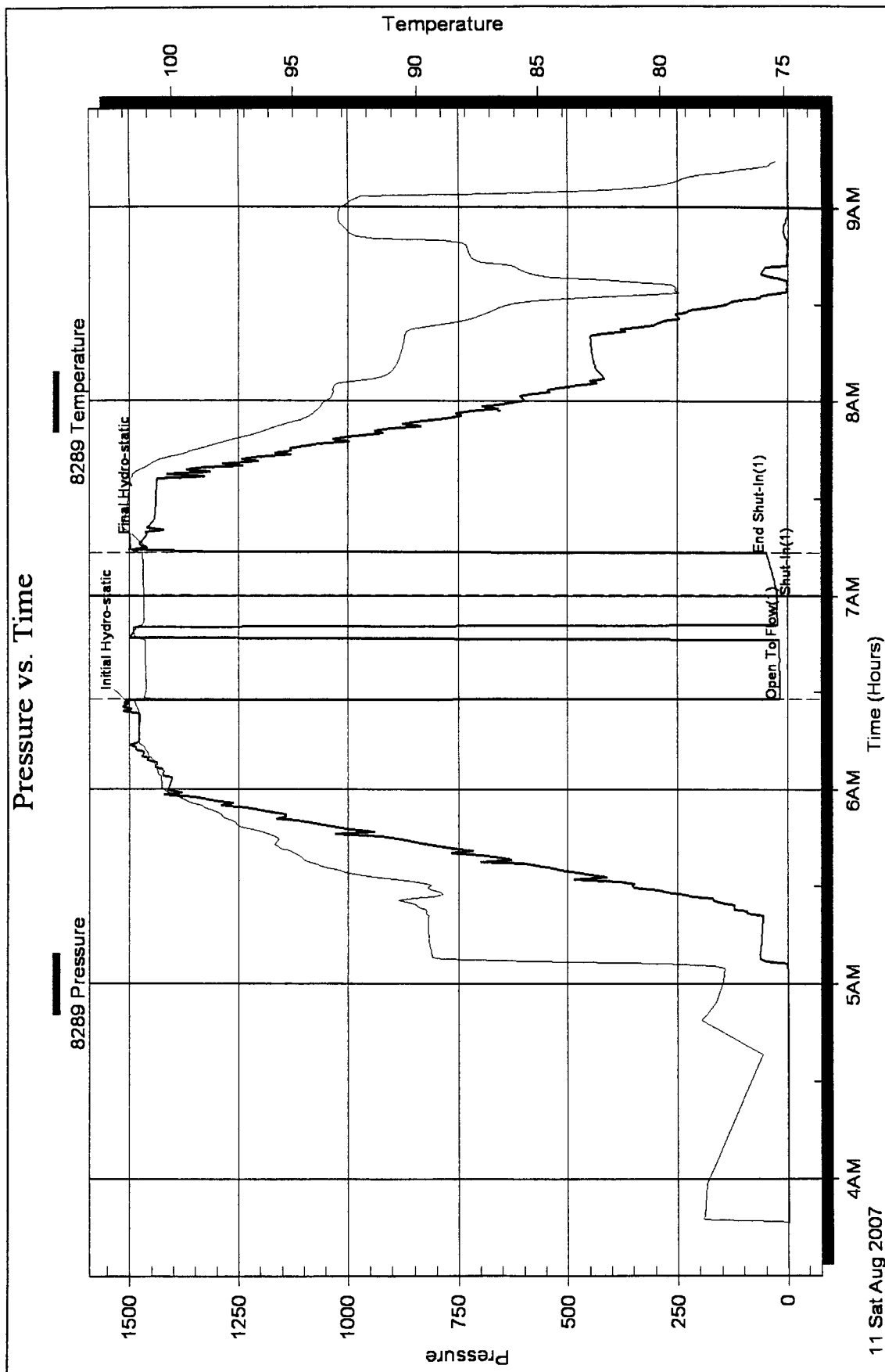
Serial #:

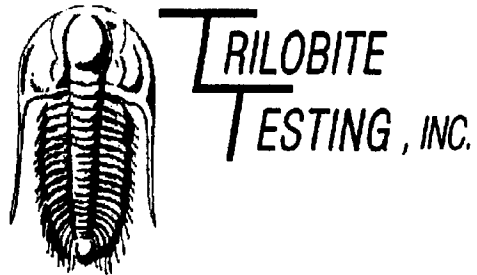
Laboratory Name:

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

3 16 14W Barton KS

Hughes #2

Start Date: 2007.08.11 @ 16:48:33

End Date: 2007.08.11 @ 20:47:13

Job Ticket #: 28813 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

Hughes #2

3 16 14W Barton KS

Job Ticket: 28813

DST#: 2

Test Start: 2007.08.11 @ 16:48:33

GENERAL INFORMATION:

Formation: **LKC E-F**

Deviated: No Whipstock ft (CF)

Time Tool Opened: 18:35:33

Time Test Ended: 20:47:13

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **3166.00 ft (CF) To 3194.00 ft (CF) (TVD)**

Total Depth: 3160.00 ft (CF) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1903.00 ft (KB)

1895.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8289 Inside

Press@RunDepth: 18.64 psig @ 3174.00 ft (CF)

Start Date: 2007.08.11

End Date: 2007.08.11

Start Time: 16:48:38

End Time: 20:47:13

Capacity: 7000.00 psig

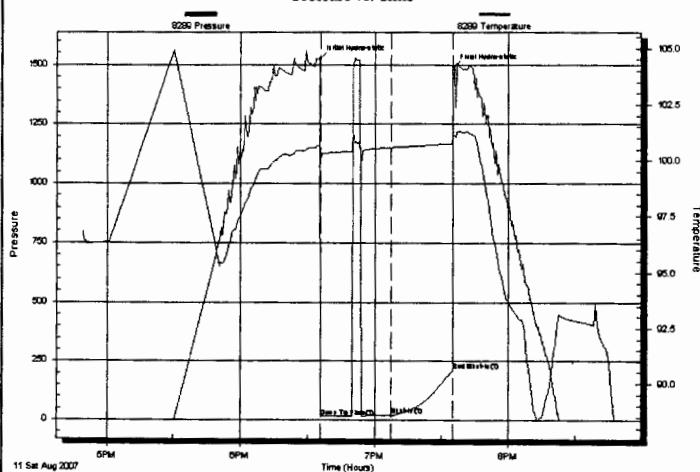
Last Calib.: 2007.08.11

Time On Btm: 2007.08.11 @ 18:35:13

Time Off Btm: 2007.08.11 @ 19:35:13

TEST COMMENT: IF No blow Flush tool No blow
ISI No blow
Pull tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1524.40	100.67	Initial Hydro-static
1	14.08	100.02	Open To Flow (1)
32	18.64	100.58	Shut-In(1)
60	209.57	100.76	End Shut-In(1)
60	1488.14	101.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud	0.14

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

Hughes #2

PO Box 33
Russell KS 67665

3 16 14W Barton KS

Job Ticket: 28813

DST#: 2

ATTN: Kitt Noah

Test Start: 2007.08.11 @ 16:48:33

Tool Information

Drill Pipe:	Length: 3166.00 ft	Diameter: 3.80 inches	Volume: 44.41 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	56000.00 lb
		Total Volume:	44.41 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3166.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	48.00 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			3147.00	
Shut In Tool	5.00			3152.00	
Hydraulic tool	5.00			3157.00	
Packer	4.00			3161.00	20.00 Bottom Of Top Packer
Packer	5.00			3166.00	
Stubb	1.00			3167.00	
Perforations	7.00			3174.00	
Recorder	0.00	8289	Inside	3174.00	
Perforations	15.00			3189.00	
Recorder	0.00	13789	Outside	3189.00	
Bullnose	5.00			3194.00	28.00 Bottom Packers & Anchor

Total Tool Length: 48.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Hughes #2

PO Box 33
Russell KS 67665

3 16 14W Barton KS

Job Ticket: 28813

DST#: 2

ATTN: Kitt Noah

Test Start: 2007.08.11 @ 16:48:33

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud	0.140

Total Length:

10.00 ft

Total Volume:

0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

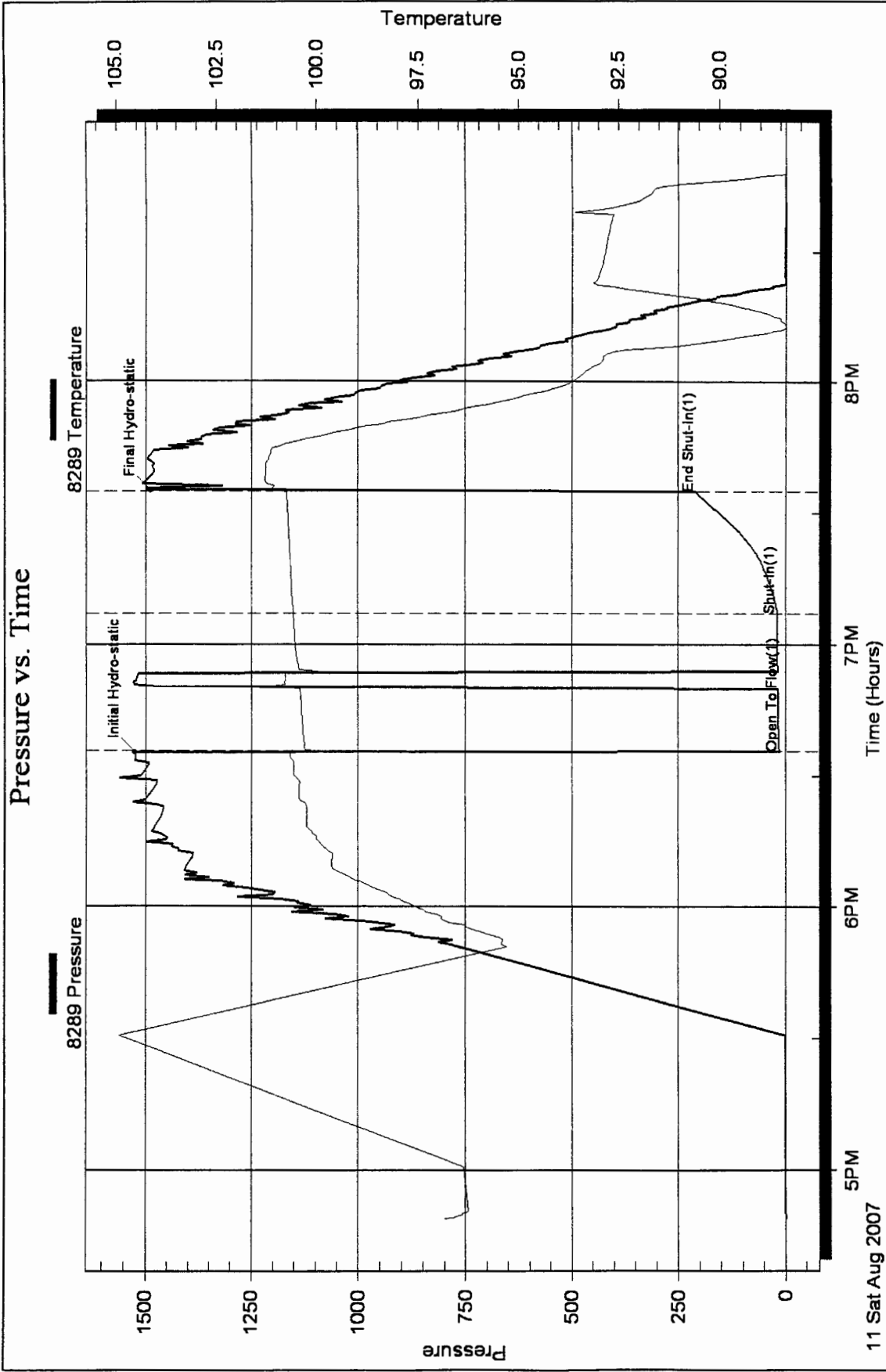
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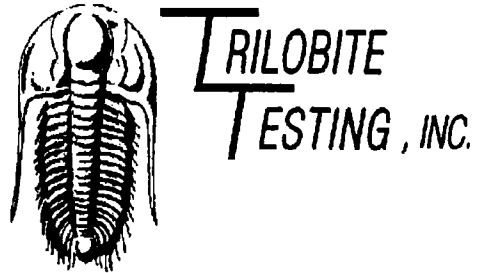
Laboratory Name:

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

3 16 14W Barton KS

Hughes #2

Start Date: 2006.02.22 @ 12:19:07

End Date: 2006.02.22 @ 12:21:06

Job Ticket #: 28814 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

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Hughes #2

3 16 14W Barton KS

Job Ticket: 28814

DST#: 3

Test Start: 2006.02.22 @ 12:19:07

GENERAL INFORMATION:

Formation: **LKC H-K**

Deviated: No Whipstock: ft (CF)

Time Tool Opened: 00:00:00

Time Test Ended: 12:21:06

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **3238.00 ft (CF) To 3310.00 ft (CF) (TVD)**

Total Depth: 3160.00 ft (CF) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1903.00 ft (KB)

1895.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: psig @ 3247.00 ft (CF)

Start Date: 2006.02.22

End Date:

2006.02.22

Start Time: 12:19:07

End Time:

12:21:06

Capacity: 7000.00 psig

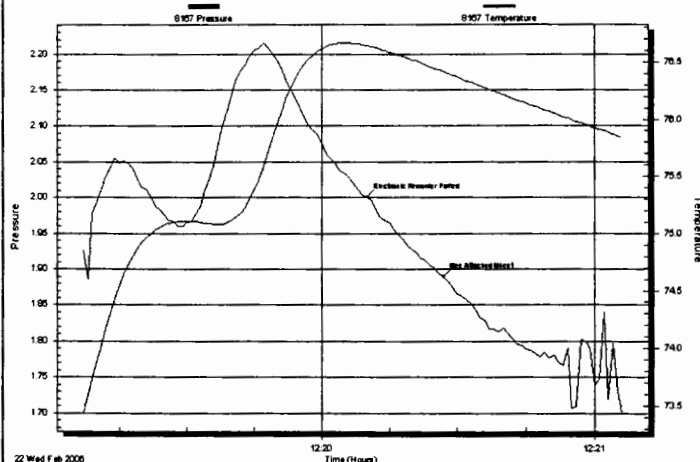
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF Weak surface blow Died after 10 min. Flush tool Weak surface blow Died after 5 min.
ISI No blow
Pull tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2.00	76.64	Electronic Recorder Failed
1	1.89	76.42	See Attached Sheet

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.07

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc

Hughes #2

PO Box 33
Russell KS 67665

3 16 14W Barton KS

Job Ticket: 28814

DST#: 3

ATTN: Kitt Noah

Test Start: 2006.02.22 @ 12:19:07

Tool Information

Drill Pipe:	Length: 3238.00 ft	Diameter: 3.80 inches	Volume: 45.42 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
		Total Volume: 45.42 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3238.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	92.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Electronic Recorder Failed - See Attached Sheet

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3219.00	
Shut In Tool	5.00			3224.00	
Hydraulic tool	5.00			3229.00	
Packer	4.00			3233.00	20.00 Bottom Of Top Packer
Packer	5.00			3238.00	
Stubb	1.00			3239.00	
Perforations	7.00			3246.00	
Change Over Sub	1.00			3247.00	
Recorder	0.00	8167	Inside	3247.00	
Blank Spacing	31.00			3278.00	
Change Over Sub	1.00			3279.00	
Perforations	26.00			3305.00	
Recorder	0.00	13789	Outside	3305.00	
Bullnose	5.00			3310.00	72.00 Bottom Packers & Anchor

Total Tool Length: 92.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Hughes #2

PO Box 33
Russell KS 67665

3 16 14W Barton KS

Job Ticket: 28814

DST#: 3

ATTN: Kitt Noah

Test Start: 2006.02.22 @ 12:19:07

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud	0.070

Total Length: 5.00 ft

Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

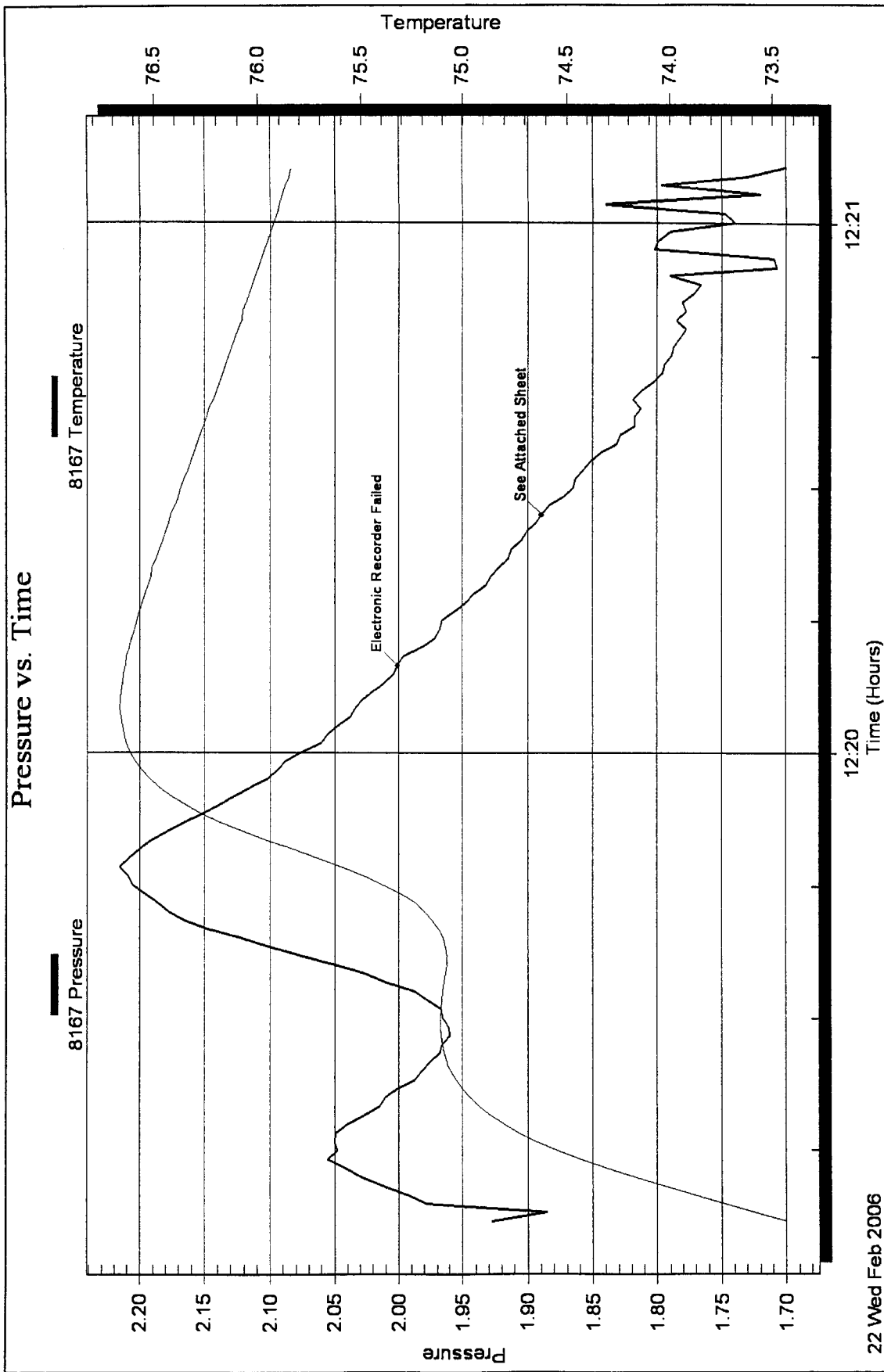
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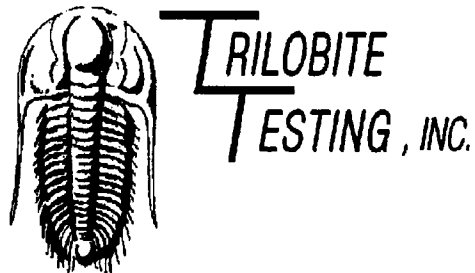
Laboratory Name:

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

3 16 14W Barton KS

Hughes #2

Start Date: 2007.08.12 @ 20:24:31

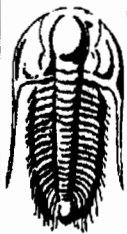
End Date: 2007.08.13 @ 03:28:40

Job Ticket #: 28815 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 Operations Inc

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Hughes #2

3 16 14W Barton KS

Job Ticket: 28815

DST#: 4

Test Start: 2007.08.12 @ 20:24:31

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 21:50:41

Time Test Ended: 03:28:40

Test Type: **Conventional Bottom Hole**

Tester: **Zach Stover**

Unit No: **23**

Interval: **3327.00 ft (CF) To 3350.00 ft (CF) (TVD)**

Total Depth: **3160.00 ft (CF) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1903.00 ft (KB)**

1895.00 ft (CF)

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

Serial #: 8289 **Inside**

Press@RunDepth: **38.48 psig @ 3330.00 ft (CF)**

Start Date: **2007.08.12**

End Date:

2007.08.13

Start Time: **20:24:36**

End Time:

03:28:41

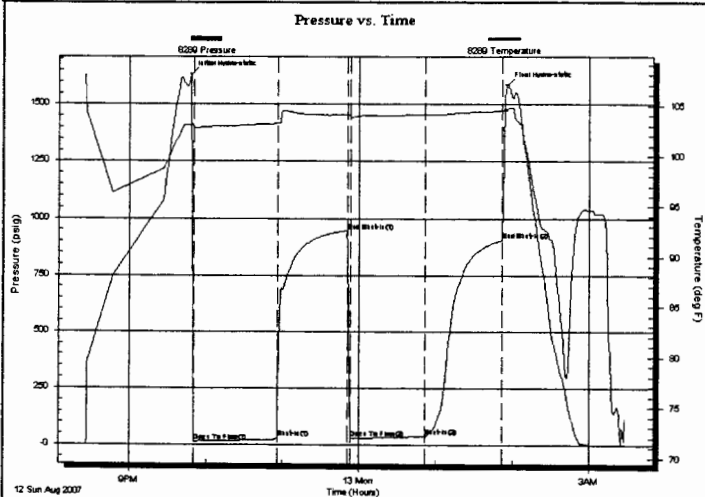
Capacity: **7000.00 psig**

Last Calib.: **2007.08.13**

Time On Btm: **2007.08.12 @ 21:48:21**

Time Off Btm: **2007.08.13 @ 01:55:01**

TEST COMMENT: IF Weak blow Built to 4 in.
ISI No blow
FF Weak blow Built to 2 in.
FSI No blow



PRESSURE SUMMARY

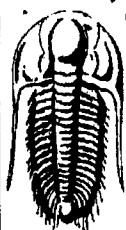
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.19	103.02	Initial Hydro-static
3	13.46	102.68	Open To Flow (1)
68	30.42	103.22	Shut-In(1)
123	943.94	104.07	End Shut-In(1)
125	29.29	103.82	Open To Flow (2)
184	38.48	104.08	Shut-In(2)
244	905.30	104.47	End Shut-In(2)
247	1582.94	104.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	GOCM 5%G 15%O 80%M	0.28
60.00	GO 5%G 95%O	0.84
0.00	50' 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

Hughes #2

PO Box 33
Russell KS 67665

3 16 14W Barton KS

Job Ticket: 28815

DST#: 4

ATTN: Kitt Noah

Test Start: 2007.08.12 @ 20:24:31

Tool Information

Drill Pipe:	Length: 3325.00 ft	Diameter: 3.80 inches	Volume: 46.64 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	46.64 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3327.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	43.00 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			3308.00	
Shut In Tool	5.00			3313.00	
Hydraulic tool	5.00			3318.00	
Packer	4.00			3322.00	20.00 Bottom Of Top Packer
Packer	5.00			3327.00	
Stubb	1.00			3328.00	
Perforations	2.00			3330.00	
Recorder	0.00	8289	Inside	3330.00	
Perforations	15.00			3345.00	
Recorder	0.00	13789	Outside	3345.00	
Bullnose	5.00			3350.00	23.00 Bottom Packers & Anchor

Total Tool Length: 43.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Hughes #2

PO Box 33
Russell KS 67665

3 16 14W Barton KS

Job Ticket: 28815

DST#: 4

ATTN: Kitt Noah

Test Start: 2007.08.12 @ 20:24:31

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	GOOM 5%G 15%O 80%M	0.281
60.00	GO 5%G 95%O	0.842
0.00	50' GIP	0.000

Total Length: 80.00 ft

Total Volume: 1.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

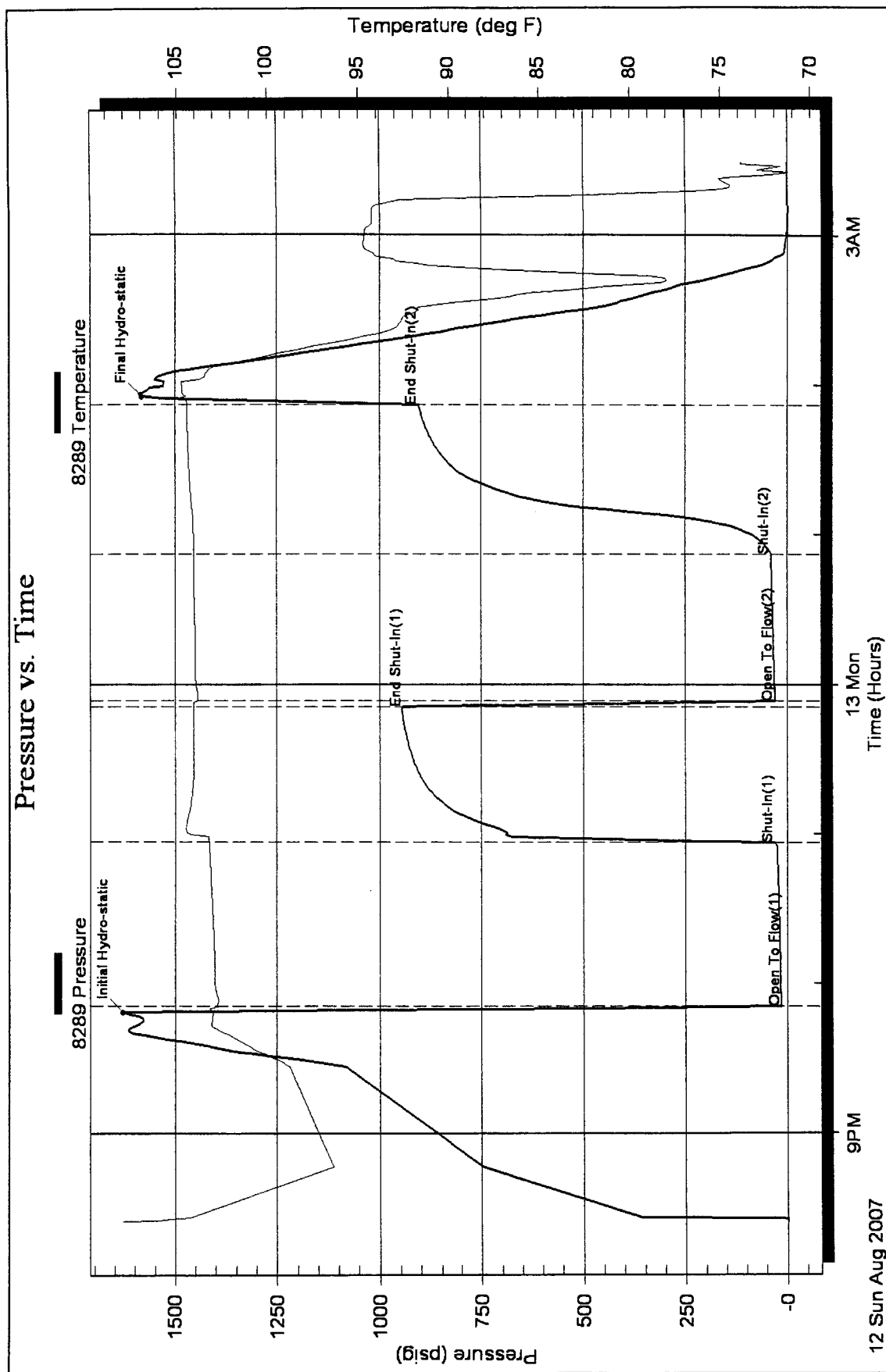
Serial #:

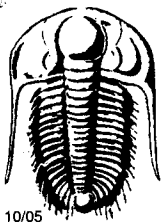
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

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28812 ✓

10530

Test Ticket

Well Name & No. <u>Hughes #2</u>	Test No. <u>1</u>	Date <u>8-11-07</u>
Company <u>Mai Oil Operations, Inc.</u>	Zone Tested <u>LKC B-C</u>	
Address <u>POB 33 Russell Ks 67665</u>	Elevation <u>1903</u> KB <u>1895</u> GL	
Co. Rep / Geo. <u>Kitt Noah</u>	Rig <u>Southwind #3</u>	
Location: Sec. <u>3</u> Twp. <u>16S</u> Rge. <u>14W</u>	Co. <u>Barton</u>	State <u>Ks</u>
Comment: _____	Release date / time: _____	

Interval Tested <u>3116 - 3160</u>	Initial Str Wt./Lbs. <u>48000</u>	Unseated Str Wt./Lbs. <u>48000</u>
Anchor Length <u>44'</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>55000</u>
Top Packer Depth <u>3111</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3116</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3160</u>	Wt. Pipe Run _____	Drill Collar Run <u>120</u>
Mud Wt. <u>8.7</u> LCM <u>-</u> Vis. <u>5.9</u> WL <u>10.8</u>	Drill Pipe Size <u>4 1/2"</u>	Ft. Run _____
Blow Description <u>IF: Weak surface blow. Flush tool. Weak surface.</u>		
<u>ISI: No blow</u>		
<u>Pull tool</u>		

Recovery - Total Feet <u>10</u>	GIP <u>-</u>	Ft. in DC <u>10</u>	Ft. in DP <u>-</u>
Rec. <u>10</u>	Feet of <u>OSM</u>	%gas <u>1</u>	%oil <u>99</u> %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 <u>101</u>	*F Gravity _____	*API D @ _____	*F Corrected Gravity _____ *API _____
RW _____ @ _____	*F _____	Chlorides _____ ppm Recovery _____	Chlorides <u>2000</u> ppm System _____

(A) Initial Hydrostatic Mud	AK-1 <u>1505</u> PSI	Alpine	Recorder No. <u>8289</u>	Test <u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>19</u> PSI		(depth) <u>3122</u>	Jars _____
(C) First Final Flow Pressure	<u>23</u> PSI		Recorder No. <u>13789</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>48</u> PSI		(depth) <u>3155</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>1464</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>-</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>-</u> PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>-</u> PSI	Initial Shut-In	<u>15</u>	Shale Packer _____

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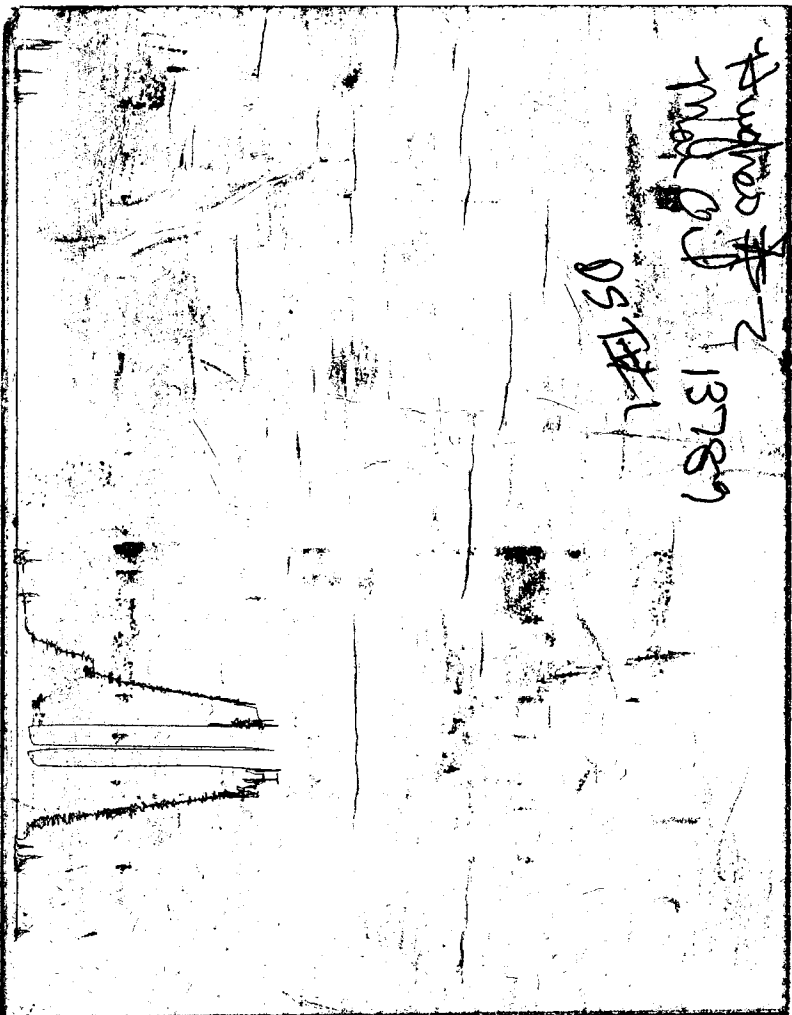
Approved By Kitt Noah
Our Representative Zachary Hobbs

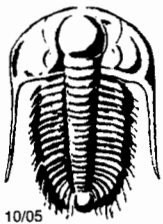
Final Flow _____
Final Shut-In _____
T-On Location 1:30
T-Started 3:46
T-Open 6:28
T-Pulled 7:13
T-Out 9:13

Sub Total: _____
Std. By _____
Acc. Chg: _____
Other: _____
Total: \$1292.75

CHART PAGE

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TRILOBITE TESTING INC.

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28813 ✓

Test Ticket

Well Name & No. Hughes #2 Test No. 2 Date 8-11-07
 Company Main Oil Operations, Inc. Zone Tested LKCE-F
 Address POB 33 Russell KS 67665 Elevation 1903 KB 1895 GL
 Co. Rep / Geo. Kitt Noah Rig Southwind #3
 Location: Sec. 3 Twp. 16S Rge. 14W Co. Barton State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3166-3194 Initial Str Wt./Lbs. 42000 Unseated Str Wt./Lbs. 42000
 Anchor Length 28' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 55000
 Top Packer Depth 3161 Tool Weight 2100
 Bottom Packer Depth 3166 Hole Size 7 7/8" Rubber Size 6 3/4" ✓
 Total Depth 3194 Wt. Pipe Run — Drill Collar Run —
 Mud Wt. 9.1 LCM — Vis. SS WL 9.6 Drill Pipe Size 4 1/2" Ft. Run 3166
 Blow Description IF: No flow. 7 lugs tool. No flow.
ISI: No flow.
Pull tool.

Recovery - Total Feet 10 GIP — Ft. in DC — Ft. in DP 10
 Rec. 10 Feet of Drilling mud %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 101 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 3000 ppm System

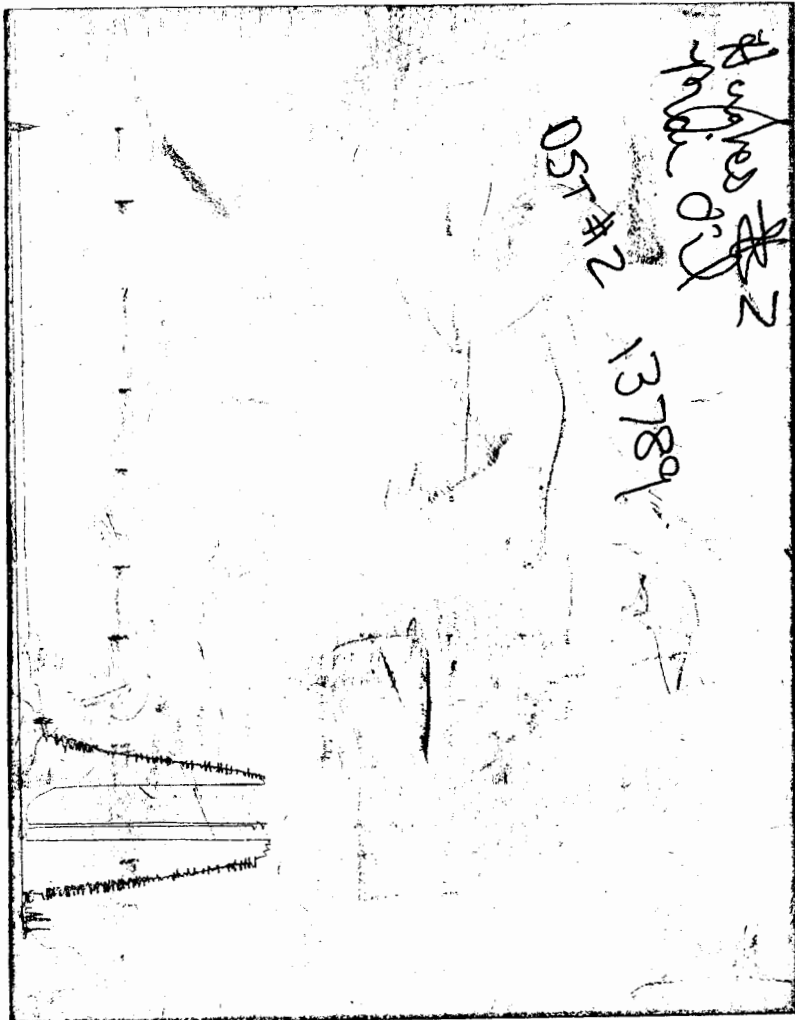
AK-1	Alpine	Recorder No.	<u>8289</u>	Test	<u>✓ 1100</u>
(A) Initial Hydrostatic Mud	<u>1524</u> PSI	(depth)	<u>(3174) 3174</u>	Jars	_____
(B) First Initial Flow Pressure	<u>14</u> PSI	Recorder No.	<u>13789</u>	Safety Jt.	_____
(C) First Final Flow Pressure	<u>19</u> PSI	(depth)	<u>3189</u>	Circ Sub	_____
(D) Initial Shut-In Pressure	<u>210</u> PSI	Recorder No.	<u>—</u>	Sampler	_____
(E) Second Initial Flow Pressure	<u>—</u> PSI	(depth)	<u>—</u>	Straddle	_____
(F) Second Final Flow Pressure	<u>—</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	_____
(G) Final Shut-In Pressure	<u>—</u> PSI	Initial Shut-In	<u>30</u>	Shale Packer	_____
(Q) Final Hydrostatic Mud	<u>1488</u> PSI	Final Flow	<u>—</u>	Ruined Packer	_____
		Final Shut-In	<u>—</u>	Mileage <u>155</u> ✓ <u>193.75</u>	
		T-On Location	<u>16:30</u>	Sub Total:	_____
		T-Started	<u>16:48</u>	Std. By	_____
		T-Open	<u>18:35</u>	Acc. Chg:	_____
		T-Pulled	<u>19:35</u>	Other:	_____
		T-Out	<u>20:47</u>	Total:	<u>\$1293.75</u>

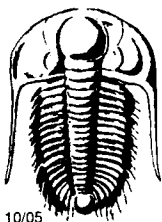
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By [Signature]
 Our Representative Zachary [Signature]

CHART PAGE

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TRILOBITE TESTING INC.

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28814✓

Test Ticket

Well Name & No. Hughes #2 Test No. 3 Date 8-12-07
 Company Main Oil Operations, Inc Zone Tested LKC H-K
 Address POB 33 Russell KS 67665 Elevation 1903 KB 1895 GL
 Co. Rep / Geo. Kitt Noah Rig Southwind #3
 Location: Sec. 3 Twp. 16S Rge. 14W Co. Barton State KS
 Comment: _____ Release date / time: _____

Interval Tested 3238-3310 Initial Str Wt./Lbs. 44000 Unseated Str Wt./Lbs. 44000
 Anchor Length 72' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 58000
 Top Packer Depth 3233 Tool Weight 2100
 Bottom Packer Depth 3238 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3310 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 9.2 LCM - Vis. 51 Wt. 8.8 Drill Pipe Size 4 1/2" Ft. Run 3238
 Blow Description IF: Weak surface blow. Died in 10 min. 7 Lush tool.
Died in 5 min. ISF: Not blow.
Pull tool.

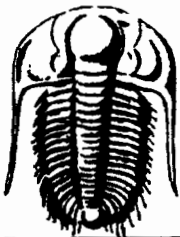
Recovery - Total Feet 5 GIP - Ft. in DC - Ft. in DP 5
 Rec. 5 Feet of Drilling mud %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %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 5000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>1564</u>		PSI	Recorder No.	<u>8289</u>	Test <u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>15</u>	15	PSI	(depth)	<u>3247</u>	Jars _____
(C) First Final Flow Pressure	<u>20</u>	20	PSI	Recorder No.	<u>13789</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>93</u>	93	PSI	(depth)	<u>3305</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>-</u>		PSI	Recorder No.	<u>-</u>	Sampler _____
(F) Second Final Flow Pressure	<u>-</u>		PSI	(depth)	<u>-</u>	Straddle _____
(G) Final Shut-In Pressure	<u>-</u>		PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1530</u>		PSI	Initial Shut-In	<u>30</u>	Shale Packer _____

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Approved By Kitt Noah
 Our Representative Zachary R. Stover

Final Flow _____
 Final Shut-In _____
 T-On Location 7:50
 T-Started 7:55
 T-Open 9:43
 T-Pulled 10:43
 T-Out 12:00
 Mileage 155 ✓ 193.75
 Sub Total: 1293.75
 Std. By -150
 Acc. Chg: less elec
 Other: recorder
 Total: \$1143.75

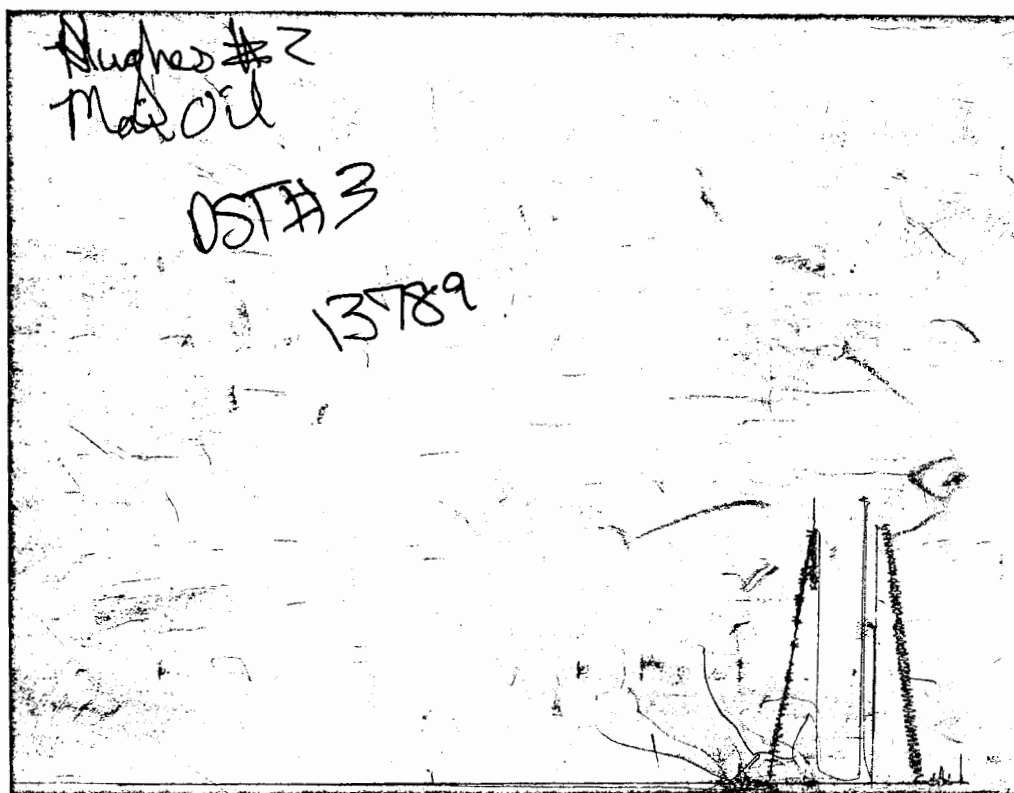


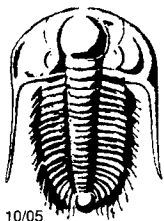
TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT
Mai Oil Operations, Inc.
PO Box 33
Russell KS 67665

Well name#:	Hughes #2	Date:	8/12/2007
Location#:	3-16S-14W Barton Co KS	Ticket #:	13789
		DST#	3

Recorder #:	13789
Pressure Summary:	Time:(min)
Initial Hydro-static:	1562.5
Open to Flow (1):	24.42 30
Shut-in (1):	34.88 30
End Shut-in (1):	81.4
Open to Flow (2):	45
Shut-in (2):	90
End Shut-in (2):	
Final Hydro-static:	1527.75





TRILOBITE TESTING INC.

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28815 ✓

Test Ticket

Well Name & No.	<u>Hughes #2</u>	Test No.	<u>4</u>	Date	<u>8-12-07</u>
Company	<u>Mai Oil Operations, Inc</u>	Zone Tested	<u>Arbuckle</u>		
Address	<u>POB 33 Russell KS 67665</u>	Elevation	<u>1903</u>	KB	<u>1895</u>
Co. Rep / Geo.	<u>Kitt Noah</u>	Rig	<u>Southwind #3</u>		
Location: Sec.	<u>3</u>	Twp.	<u>16S</u>	Rge.	<u>14W</u>
		Co.	<u>Barton</u>	State	<u>Ks</u>
Comment:	Release date / time:				

Interval Tested	<u>3327-3350</u>	Initial Str Wt./Lbs.	<u>44000</u>	Unseated Str Wt/Lbs.	<u>44000</u>
Anchor Length	<u>23'</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>60000</u>
Top Packer Depth	<u>3322</u>	Tool Weight	<u>2100</u>		
Bottom Packer Depth	<u>3327</u>	Hole Size 7 7/8"	<u>✓</u>	Rubber Size 6 3/4"	<u>✓</u>
Total Depth	<u>3350</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>—</u>
Mud Wt. <u>9.2</u> LCM <u>—</u> Vis. <u>SI</u> WL <u>8.8</u>	Drill Pipe Size		<u>4 1/2"</u>	Ft. Run	<u>3325</u>

Blow Description IF: Weak 4 in blow.
ISI: No blow.
FF: Weak 2 in blow.
FSI: No blow.

Recovery - Total Feet	<u>80</u>	GIP	<u>50</u>	Ft. in DC	<u>—</u>	Ft. in DP	<u>80</u>
Rec.	<u>20</u>	Feet of	<u>Day OCM</u>	%gas	<u>15</u>	%oil	<u>80</u>
Rec.	<u>60</u>	Feet of	<u>Day O</u>	%gas	<u>95</u>	%oil	<u>—</u>
Rec.		Feet of		%gas		%oil	<u>—</u>
Rec.		Feet of		%gas		%oil	<u>—</u>
Rec.		Feet of		%gas		%oil	<u>—</u>
BHT	<u>104</u>	°F Gravity	<u>36</u>	°API D @	<u>74</u>	°F Corrected Gravity	<u>—</u>
RW	<u>—</u>	@	<u>—</u>	Chlorides	<u>5000</u>	ppm Recovery	<u>—</u>

(A) Initial Hydrostatic Mud	<u>1639</u> PSI	Recorder No.	<u>8289</u>	Test	<u>✓ 1100</u>
(B) First Initial Flow Pressure	<u>13</u> PSI	(depth)	<u>3330</u>	Jars	<u>—</u>
(C) First Final Flow Pressure	<u>30</u> PSI	Recorder No.	<u>13789</u>	Safety Jt.	<u>—</u>
(D) Initial Shut-In Pressure	<u>944</u> PSI	(depth)	<u>3345</u>	Circ Sub	<u>—</u>
(E) Second Initial Flow Pressure	<u>29</u> PSI	Recorder No.	<u>—</u>	Sampler	<u>—</u>
(F) Second Final Flow Pressure	<u>38</u> PSI	(depth)	<u>—</u>	Straddle	<u>—</u>
(G) Final Shut-In Pressure	<u>905</u> PSI	Initial Opening	<u>60</u>	Ext. Packer	<u>—</u>
(Q) Final Hydrostatic Mud	<u>1583</u> PSI	Initial Shut-In	<u>60</u>	Shale Packer	<u>—</u>

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Approved By Kitt Noah

Our Representative Zachary R. Moore

Final Flow	<u>60</u>	Ruined Packer	<u>—</u>
Final Shut-In	<u>60</u>	Mileage	<u>✓ 1 193.75</u>
T-On Location	<u>20:00</u>	Sub Total:	<u>—</u>
T-Started	<u>20:24</u>	Std. By	<u>—</u>
T-Open	<u>21:52</u>	Acc. Chg:	<u>—</u>
T-Pulled	<u>2:52</u>	Other:	<u>1293.75</u>
T-Out	<u>3:28</u>	Total:	<u>—</u>

CHART PAGE

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

