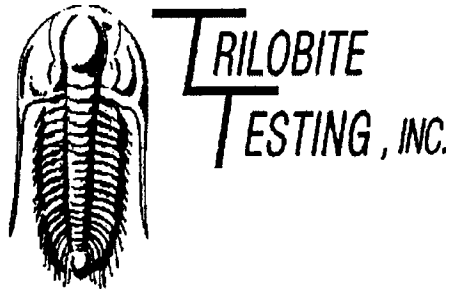


15-109-20766

27-12s-33w



DRILL STEM TEST REPORT

Prepared For: **Blake Exploration LLC**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

27 12S 33W Logan KS

Messerli #2

Start Date: 2006.06.19 @ 18:28:01

End Date: 2006.06.20 @ 01:18:45

Job Ticket #: 24222 DST #: 1

Blake Exploration LLC

Messerli #2

27 12S 33W Logan KS

DST # 1

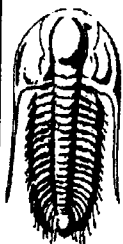
Lansing "H"

2006.06.19

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Blake Exploration LLC

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

Messerli #2

27 12S 33W Logan KS

Job Ticket: 24222

DST#: 1

Test Start: 2006.06.19 @ 18:28:01

GENERAL INFORMATION:

Formation: **Lansing "H"**

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

Time Tool Opened: 21:13:45

Time Test Ended: 01:18:45

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 18

Interval: **4220.00 ft (KB) To 4260.00 ft (KB) (TVD)**

Total Depth: **4260.00 ft (KB) (TVD)**

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

Reference Elevations: **3135.00 ft (KB)**

3125.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: **8017**

Inside

Press@RunDepth: **72.41 psig @ 4225.00 ft (KB)**

Start Date: **2006.06.19**

End Date:

2006.06.20

Start Time: **18:28:01**

End Time:

01:18:45

Capacity: **7000.00 psig**

Last Calib.: **2006.06.20**

Time On Btm: **2006.06.19 @ 21:13:30**

Time Off Btm: **2006.06.19 @ 23:22:45**

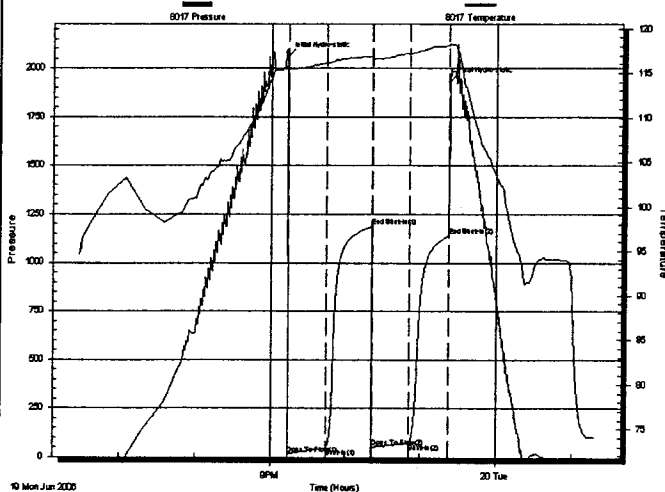
TEST COMMENT: **F 1/4" blow**

ISI No return

FF Surface blow after 15 min

FSI No return

Pressure vs. Time



PRESSURE SUMMARY

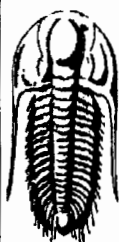
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2057.20	116.01	Initial Hydro-static
1	16.76	115.48	Open To Flow (1)
32	46.96	116.12	Shut-In(1)
68	1186.40	116.87	End Shut-In(1)
69	50.51	116.59	Open To Flow (2)
98	72.41	117.19	Shut-In(2)
129	1141.11	118.06	End Shut-In(2)
130	1932.57	118.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	O 100%O	0.15
120.00	OCM 40%O 60%M	0.59

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration LLC

Messerli #2

PO Box 150
Bogue KS 67625

27 12S 33W Logan KS

Job Ticket: 24222

DST#: 1

ATTN: Mike Davignon

Test Start: 2006.06.19 @ 18:28:01

Tool Information

Drill Pipe:	Length: 3646.00 ft	Diameter: 3.80 inches	Volume: 51.14 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 560.00 ft	Diameter: 2.25 inches	Volume: 2.75 bbl	Weight to Pull Loose:	100000.0 lb
			Total Volume: 53.89 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	76000.00 lb
Depth to Top Packer:	4220.00 ft			Final	76000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	60.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Had a 6 min delay before 2nd opening due to mud pump repairs.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4201.00	
Shut In Tool	5.00			4206.00	
Hydraulic tool	5.00			4211.00	
Packer	5.00			4216.00	20.00 Bottom Of Top Packer
Packer	4.00			4220.00	
Stubb	1.00			4221.00	
Perforations	4.00			4225.00	
Recorder	0.00	8017	Inside	4225.00	
Perforations	30.00			4255.00	
Recorder	0.00	13276	Inside	4255.00	
Bullnose	5.00			4260.00	40.00 Bottom Packers & Anchor

Total Tool Length: 60.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

Messerli #2

PO Box 150

27 12S 33W Logan KS

Bogue KS 67625

Job Ticket: 24222

DST#: 1

ATTN: Mike Davignon

Test Start: 2006.06.19 @ 18:28:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	O 100%O	0.148
120.00	OCM 40%O 60%M	0.590

Total Length: 150.00 ft Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 36 @ 80 degree F = 34.



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Blake Exploration LLC

Messerli #2

PO Box 150
Bogue KS 67625

27 12S 33W Logan KS

Job Ticket: 24222

DST#: 1

ATTN: Mike Davignon

Test Start: 2006.06.19 @ 18:28:01

Gas Rates Information

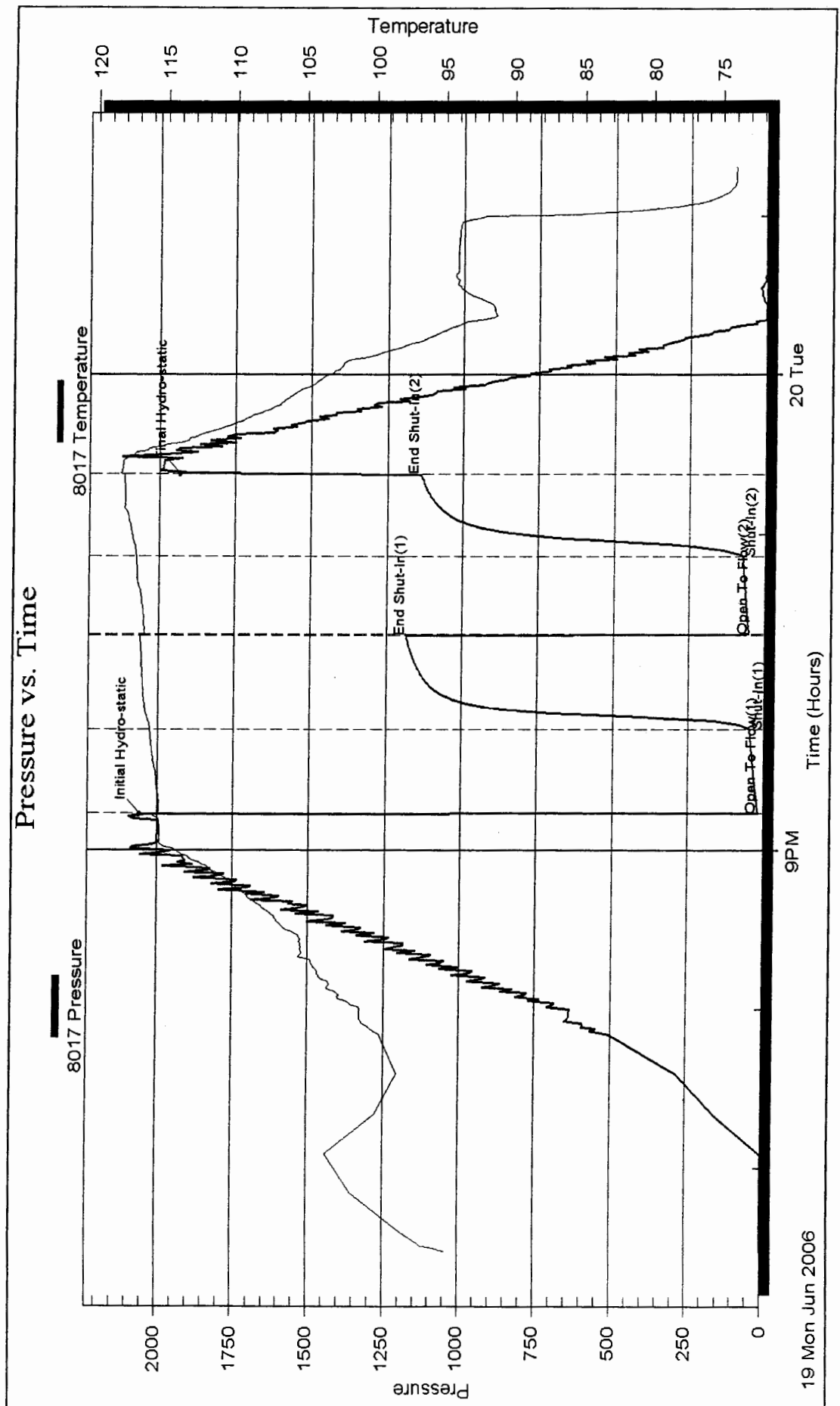
Temperature: 59 deg C

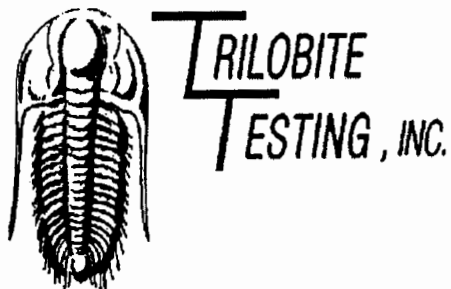
Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
		0.00	0.00	0.00





DRILL STEM TEST REPORT

Prepared For: **Blake Exploration LLC**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

27 12S 33W Logan KS

Messerli #2

Start Date: 2006.06.20 @ 10:21:01

End Date: 2006.06.20 @ 17:26:15

Job Ticket #: 24223 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Blake Exploration LLC

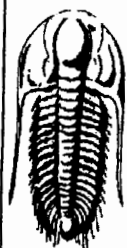
Messerli #2

27 12S 33W Logan KS

DST # 2

Lansing "I & J"

2006.06.20



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploration LLC

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

Messerli #2

27 12S 33W Logan KS

Job Ticket: 24223

DST#: 2

Test Start: 2006.06.20 @ 10:21:01

GENERAL INFORMATION:

Formation: **Lansing "I & J"**

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

Time Tool Opened: 12:24:15

Time Test Ended: 17:26:15

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 18

Interval: **4260.00 ft (KB) To 4310.00 ft (KB) (TVD)**

Total Depth: **4310.00 ft (KB) (TVD)**

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

Reference Elevations: **3135.00 ft (KB)**

3125.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: **8017**

Inside

Press@RunDepth: **119.84 psig @ 4266.00 ft (KB)**

Start Date: **2006.06.20**

End Date:

2006.06.20

Capacity: **7000.00 psig**

Last Calib.: **2006.06.20**

Start Time: **10:21:01**

End Time:

17:26:15

Time On Btm: **2006.06.20 @ 12:24:00**

Time Off Btm: **2006.06.20 @ 15:26:15**

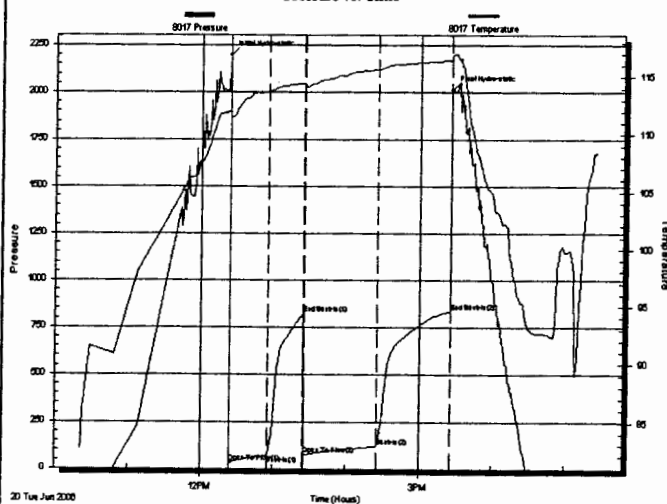
TEST COMMENT: **IF Surface blow built to 4 1/2 "**

ISI No return

FF Surface blow built to 4 1/2 "

FSI Weak surface blow after 5 min

Pressure vs. Time



PRESSURE SUMMARY

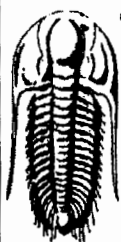
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.26	112.13	Initial Hydro-static
1	31.09	111.45	Open To Flow (1)
32	70.28	113.72	Shut-In(1)
62	819.34	114.42	End Shut-In(1)
62	74.34	114.21	Open To Flow (2)
122	119.84	115.65	Shut-In(2)
182	832.92	116.47	End Shut-In(2)
183	2011.29	116.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	O 100%O	0.44
185.00	GOCM 30%G 20%O 50%M	0.91

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration LLC

Messerli #2

PO Box 150
Bogue KS 67625

27 12S 33W Logan KS

Job Ticket: 24223 DST#: 2

ATTN: Mike Davignon

Test Start: 2006.06.20 @ 10:21:01

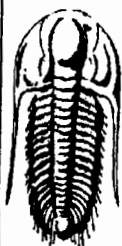
Tool Information

Drill Pipe:	Length: 3710.00 ft	Diameter: 3.80 inches	Volume: 52.04 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 560.00 ft	Diameter: 2.25 inches	Volume: 2.75 bbl	Weight to Pull Loose: 105000.0 lb
		Total Volume:	54.79 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4260.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 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			4241.00	
Shut In Tool	5.00			4246.00	
Hydraulic tool	5.00			4251.00	
Packer	5.00			4256.00	20.00 Bottom Of Top Packer
Packer	4.00			4260.00	
Stubb	1.00			4261.00	
Perforations	5.00			4266.00	
Recorder	0.00	8017	Inside	4266.00	
Perforations	5.00			4271.00	
Change Over Sub	1.00			4272.00	
Drill Pipe	32.00			4304.00	
Change Over Sub	1.00			4305.00	
Recorder	0.00	13276	Inside	4305.00	
Bullnose	5.00			4310.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

Messerli #2

PO Box 150

27 12S 33W Logan KS

Bogue KS 67625

Job Ticket: 24223

DST#: 2

ATTN: Mike Davignon

Test Start: 2006.06.20 @ 10:21:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	O 100%O	0.443
185.00	GOOM 30%G 20%O 50%M	0.910

Total Length: 275.00 ft

Total Volume: 1.353 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

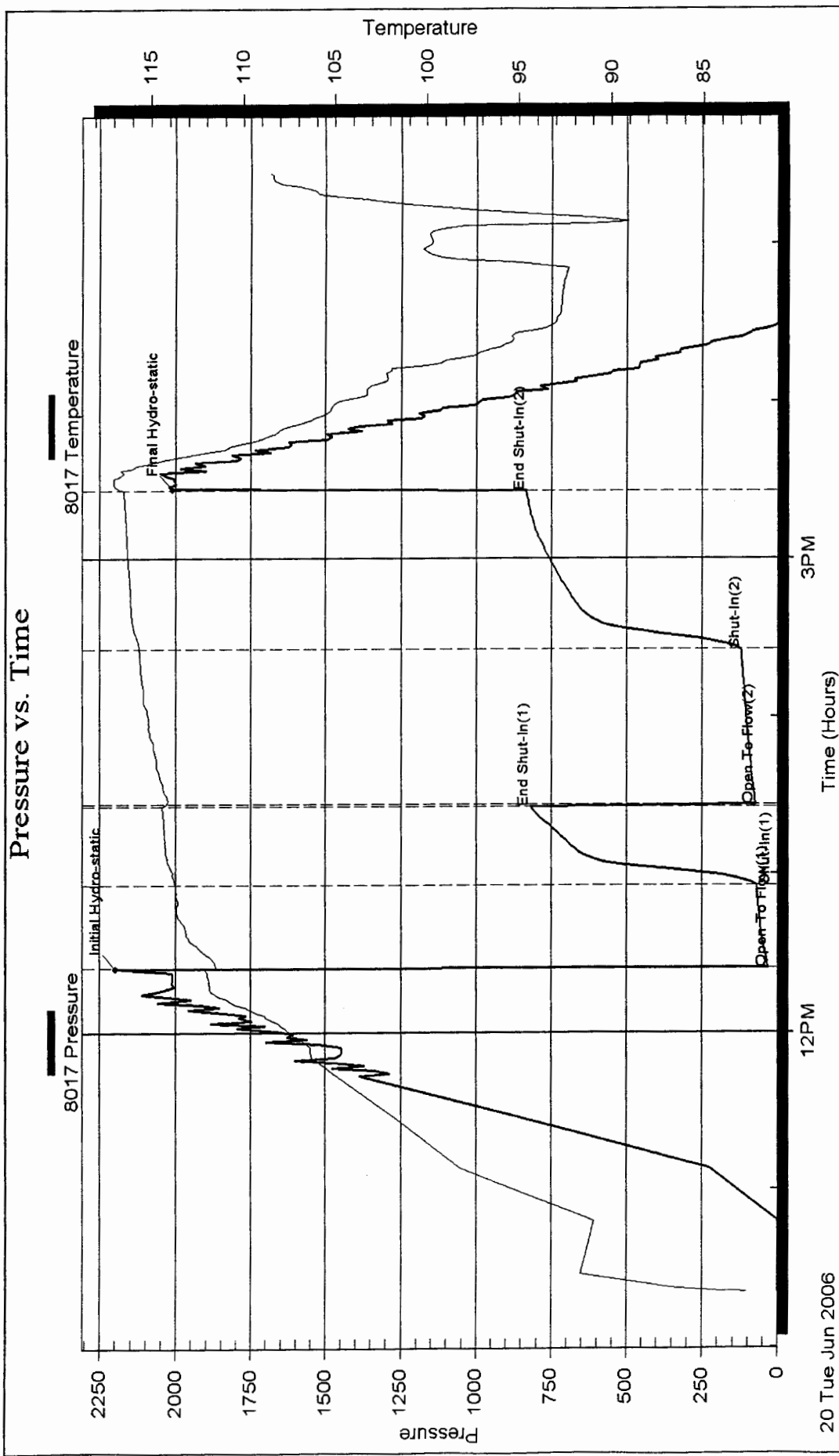
Serial #:

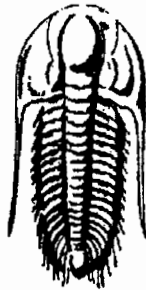
Laboratory Name:

Laboratory Location:

Recovery Comments: API, 41 @ 100 degree F = 37.

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration LLC**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

27 12S 33W Logan KS

Messerli #2

Start Date: 2006.06.21 @ 00:43:01

End Date: 2006.06.21 @ 07:26:15

Job Ticket #: 24224 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Blake Exploration LLC

Messerli #2

27 12S 33W Logan KS

DST # 3

L/KC "K"

2006.06.21



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploration LLC

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

Messerli #2

27 12S 33W Logan KS

Job Ticket: 24224 DST#: 3

Test Start: 2006.06.21 @ 00:43:01

GENERAL INFORMATION:

Formation: L/KC "K"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:58:15

Time Test Ended: 07:26:15

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 18

Interval: 4305.00 ft (KB) To 4340.00 ft (KB) (TVD)

Total Depth: 4340.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3135.00 ft (KB)

3125.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8017 Inside

Press@RunDepth: 297.43 psig @ 4310.00 ft (KB)

Start Date: 2006.06.21 End Date: 2006.06.21

Start Time: 00:43:01 End Time: 07:26:15

Capacity: 7000.00 psig

Last Calib.: 2006.06.21

Time On Btm: 2006.06.21 @ 02:58:00

Time Off Btm: 2006.06.21 @ 05:00:45

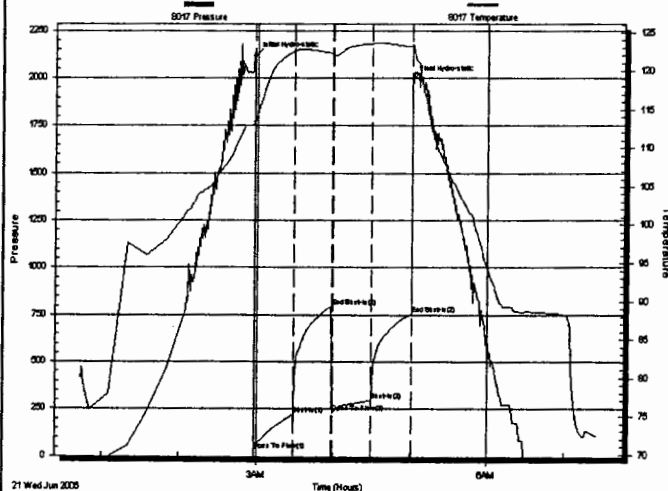
TEST COMMENT: IF Fair blow built to BOB @ 27 min

ISI Weak surface return

FF Surface blow built to 9 1/2 "

FSI Weak surface return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2113.50	113.80	Initial Hydro-static
1	32.19	113.36	Open To Flow (1)
31	222.75	122.54	Shut-In (1)
61	793.68	122.31	End Shut-In (1)
61	230.87	122.14	Open To Flow (2)
92	297.43	123.55	Shut-In (2)
123	755.22	123.17	End Shut-In (2)
123	1989.84	123.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	SOMCW 10%O 25%M 65%W	0.46
505.00	MCW 10%M 90%W	2.83
10.00	FO 100%O	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration LLC

Messerli #2

PO Box 150
Bogue KS 67625

27 12S 33W Logan KS

Job Ticket: 24224 DST#: 3

ATTN: Mike Davignon

Test Start: 2006.06.21 @ 00:43:01

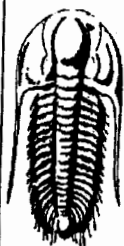
Tool Information

Drill Pipe:	Length: 3742.00 ft	Diameter: 3.80 inches	Volume: 52.49 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	28000.00 lb
Drill Collar:	Length: 560.00 ft	Diameter: 2.25 inches	Volume: 2.75 bbl	Weight to Pull Loose:	110000.0 lb
			<u>Total Volume: 55.24 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	77000.00 lb
Depth to Top Packer:	4305.00 ft			Final	78000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	55.00 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			4286.00	
Shut In Tool	5.00			4291.00	
Hydraulic tool	5.00			4296.00	
Packer	5.00			4301.00	20.00 Bottom Of Top Packer
Packer	4.00			4305.00	
Stubb	1.00			4306.00	
Perforations	4.00			4310.00	
Recorder	0.00	8017	Inside	4310.00	
Perforations	25.00			4335.00	
Recorder	0.00	13276	Inside	4335.00	
Bullnose	5.00			4340.00	35.00 Bottom Packers & Anchor

Total Tool Length: 55.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

Messerli #2

PO Box 150
Bogue KS 67625

27 12S 33W Logan KS

Job Ticket: 24224

DST#: 3

ATTN: Mike Davignon

Test Start: 2006.06.21 @ 00:43:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

45000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	SOMCW 10%O 25%M 65%W	0.457
505.00	MCW 10%M 90%W	2.830
10.00	FO 100%O	0.140

Total Length:

ft

Total Volume:

3.567 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

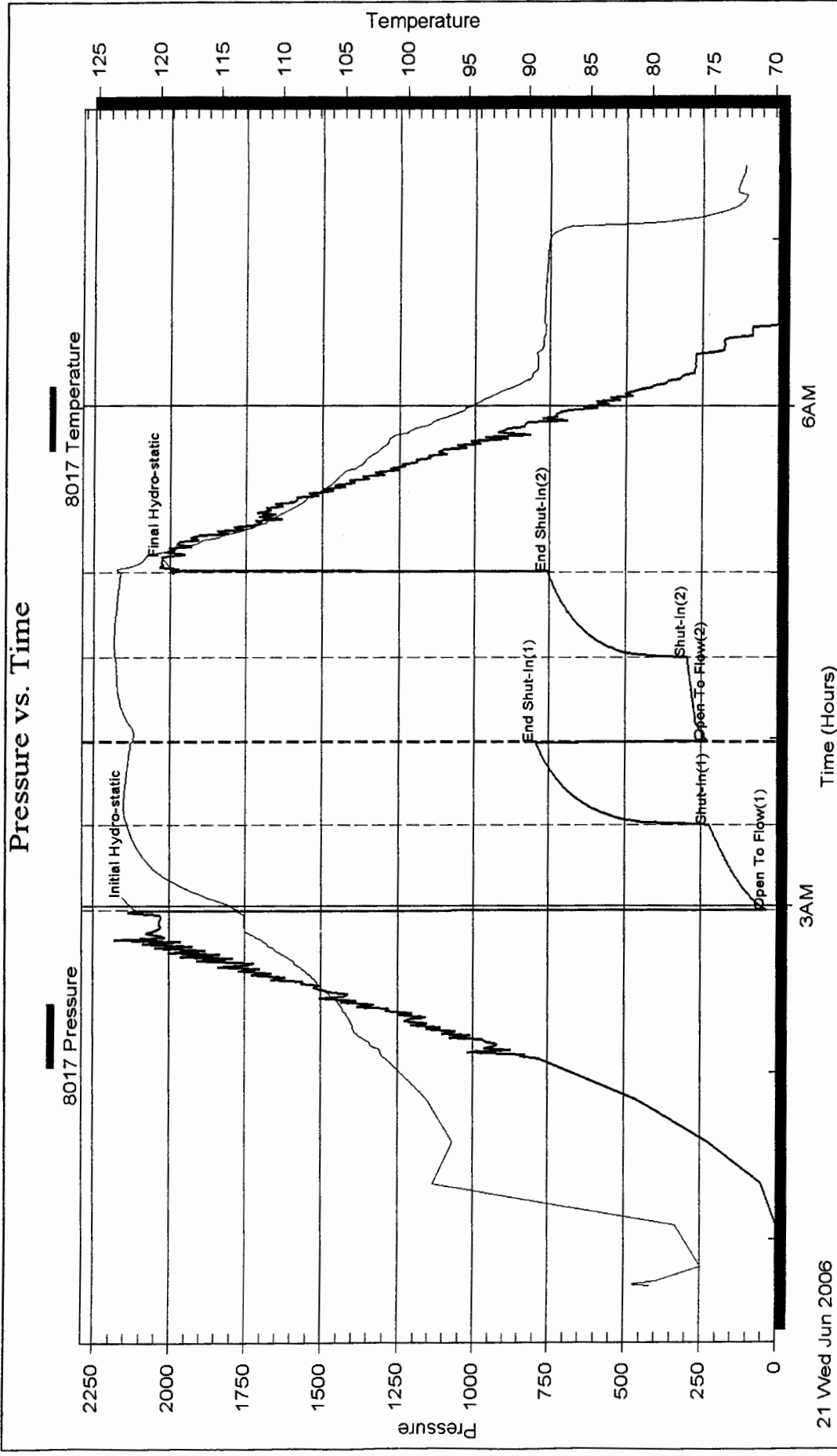
Laboratory Name:

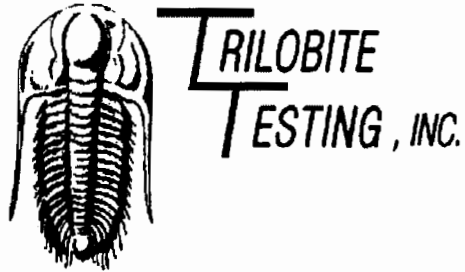
Laboratory Location:

Recovery Comments: API; 38 @ 60 degree F = 38

RW; .170 @ 71 degree F = 45000 chlorides.

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Blake Exploration LLC**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

S27 12S 33W Logan KS

Messerli # 2

Start Date: 2006.06.22 @ 14:11:01

End Date: 2006.06.22 @ 23:48:30

Job Ticket #: 24251 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

Blake Exploration LLC

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

Messerli # 2

S27 12S 33W Logan KS

Job Ticket: 24251

DST#: 4

Test Start: 2006.06.22 @ 14:11:01

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:23:30

Time Test Ended: 23:48:30

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 18

Interval: **4610.00 ft (KB) To 4659.00 ft (KB) (TVD)**

Total Depth: 4659.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3135.00 ft (KB)

3125.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8017

Inside

Press@RunDepth: 878.80 psig @ 4619.00 ft (KB)

Start Date: 2006.06.22

End Date:

2006.06.22

Start Time: 14:11:01

End Time:

23:48:30

Capacity: 7000.00 psig

Last Calib.: 2006.06.23

Time On Btm: 2006.06.22 @ 16:23:15

Time Off Btm: 2006.06.22 @ 19:42:00

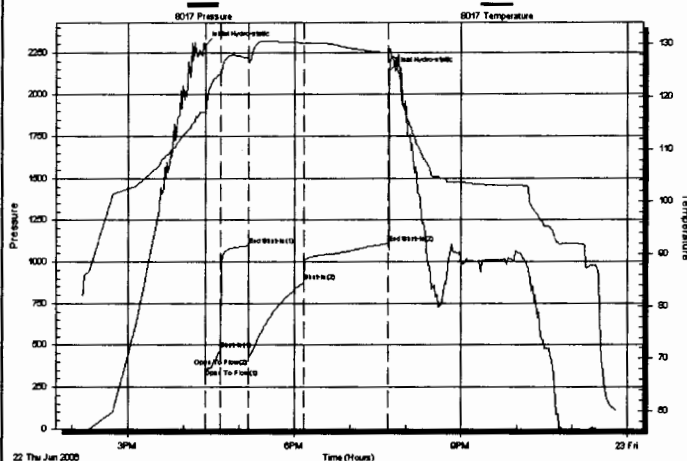
TEST COMMENT: IF BOB @ 2 min.

ISI BOB @ 9 min.

FF BOB @ 3 min gas to surface @ 38 min does burn

FSI BOB @ 3 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2296.08	117.09	Initial Hydro-static
1	308.77	116.60	Open To Flow (1)
17	474.86	124.30	Shut-In (1)
47	1096.09	127.35	End Shut-In (1)
48	425.17	126.99	Open To Flow (2)
108	878.80	130.24	Shut-In (2)
199	1107.78	128.30	End Shut-In (2)
199	2142.18	128.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2172.00	GO 15%G 85%O	25.37
248.00	GCO 40%G 60%O	3.48

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration LLC

Messerli # 2

PO Box 150
Bogue KS 67625

S27 12S 33W Logan KS

Job Ticket: 24251

DST#: 4

ATTN: Mike Davignon

Test Start: 2006.06.22 @ 14:11:01

Tool Information

Drill Pipe:	Length: 4059.00 ft	Diameter: 3.80 inches	Volume: 56.94 bbl	Tool Weight: 1500.00 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: 560.00 ft	Diameter: 2.25 inches	Volume: 2.75 bbl	Weight to Pull Loose: 115000.0 lb
		Total Volume: 59.69 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4610.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	69.00 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			4591.00	
Shut In Tool	5.00			4596.00	
Hydraulic tool	5.00			4601.00	
Packer	5.00			4606.00	20.00 Bottom Of Top Packer
Packer	4.00			4610.00	
Stubb	1.00			4611.00	
Perforations	8.00			4619.00	
Recorder	0.00	8017	Inside	4619.00	
Perforations	35.00			4654.00	
Recorder	0.00	13276	Inside	4654.00	
Bullnose	5.00			4659.00	49.00 Bottom Packers & Anchor

Total Tool Length: 69.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

Messerli # 2

PO Box 150
Bogue KS 67625

S27 12S 33W Logan KS

Job Ticket: 24251

DST#: 4

ATTN: Mike Davignon

Test Start: 2006.06.22 @ 14:11:01

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:

0 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2172.00	GO 15%G 85%O	25.366
248.00	GCO 40%G 60%O	3.479

Total Length: 2420.00 ft

Total Volume: 28.845 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2,139' GIP

Gas to surface @ 38 min of second flow period

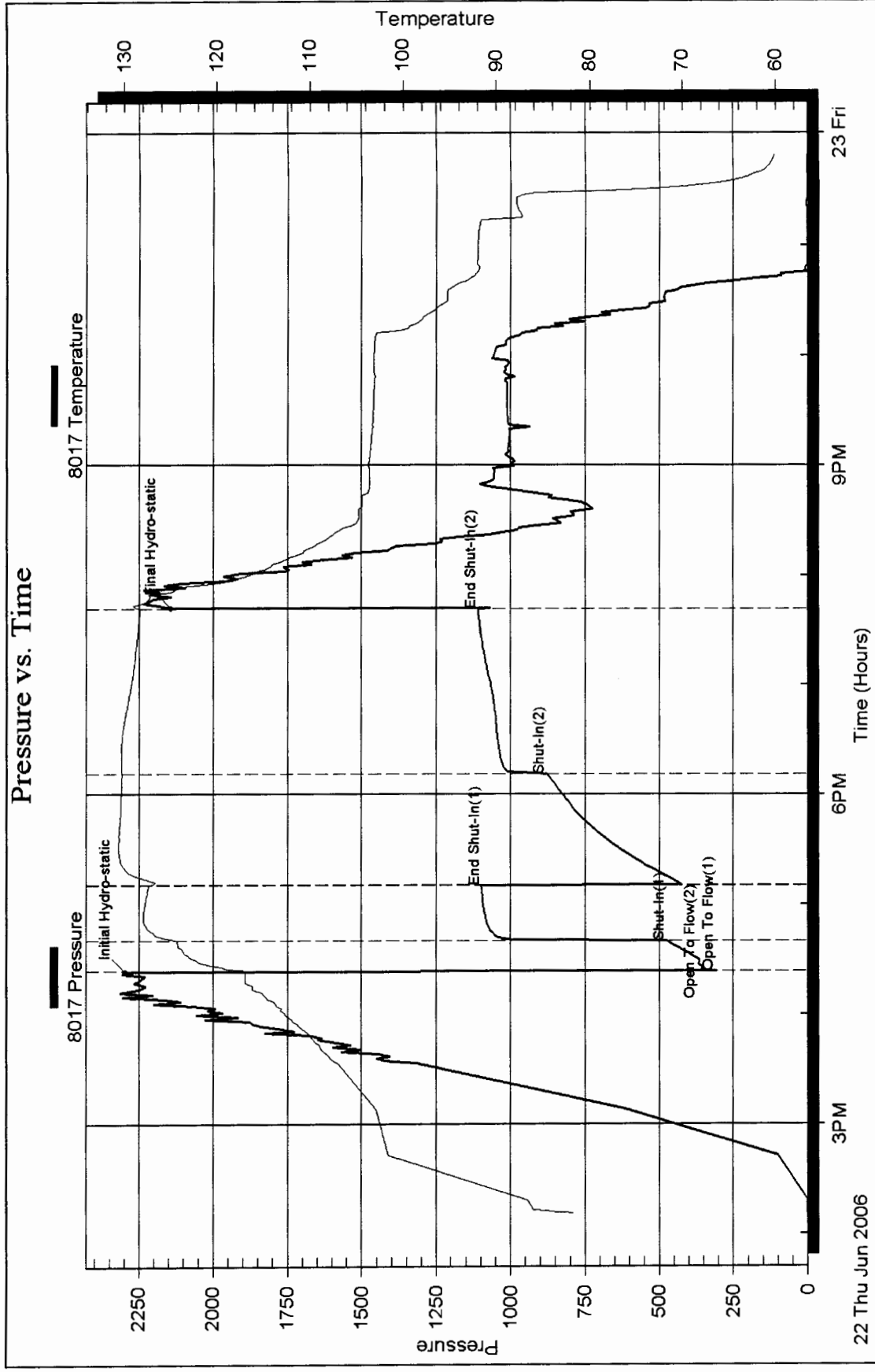
Serial #: 8017

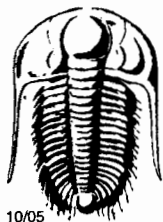
Inside

Blake Exploration LLC

S27 12S 33W Logan KS

DST Test Number: 4





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

8914

No 24222

Test Ticket

Well Name & No. Messeri #2 Test No. 1 Date 6-19-06
 Company Blake Exploration L.L.C. Zone Tested Lansing "H"
 Address Box 150 Bogue, KS 67625 Elevation 3135 KB 3125 GL
 Co. Rep / Geo. Mike Davignon Rig Murfin #14
 Location: Sec. 27 Twp. 12S Rge. 33W Co. Logan State KS
 Comment: _____ Release date / time: _____

Interval Tested 4220 to 4260 Initial Str Wt./Lbs. 76,000 Unseated Str Wt./Lbs. 76,000
 Anchor Length 40 Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth 4214 Tool Weight 1,500
 Bottom Packer Depth 4220 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4260 Wt. Pipe Run 0 Drill Collar Run 560
 Mud Wt. 9.0 LCM 0 Vis. 55 WL 6.4 Drill Pipe Size 4 1/2 XH Ft. Run 3,646

Blow Description IF: 1/4" blow.
ISI: No return.
FF: Surface blow after 15 min.
FSI: No return.

Recovery - Total Feet 150 GIP #5 Ft. in DC 150 Ft. in DP 0
 Rec. 30 Feet of 0 %gas 100% oil 0% water 0% mud
 Rec. 120 Feet of OCM %gas 40% oil 0% 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 118 °F Gravity 36 °API D @ 80 °F Corrected Gravity 34 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4,300 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2,070</u>	PSI	Recorder No.	<u>8017</u>	Test <u>X</u> <u>1,100⁰⁰</u>
(B) First Initial Flow Pressure	<u>17</u>	PSI	(depth)	<u>4225</u>	Jars _____
(C) First Final Flow Pressure	<u>47</u>	PSI	Recorder No.	<u>13276</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1,186</u>	PSI	(depth)	<u>4255</u>	Circ Sub <u>X</u> <u>N/C</u>
(E) Second Initial Flow Pressure	<u>51</u>	PSI	Recorder No.		Sampler _____
(F) Second Final Flow Pressure	<u>72</u>	PSI	(depth)		Straddle _____
(G) Final Shut-In Pressure	<u>1,141</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1,997</u>	PSI	Initial Shut-In	<u>36</u>	Shale Packer _____
			Final Flow	<u>30</u>	Ruined Packer _____
			Final Shut-In	<u>30</u>	Mileage <u>91 RT</u> <u>113⁷⁵</u>
			T-On Location	<u>17:50pm</u>	Sub Total: <u>1213.75</u>
			T-Started	<u>18:28pm</u>	Std. By _____
			T-Open	<u>21:14pm</u>	Acc. Chg: _____
			T-Pulled	<u>23:22pm</u>	Other: _____
			T-Out	<u>01:19am</u>	Total: _____

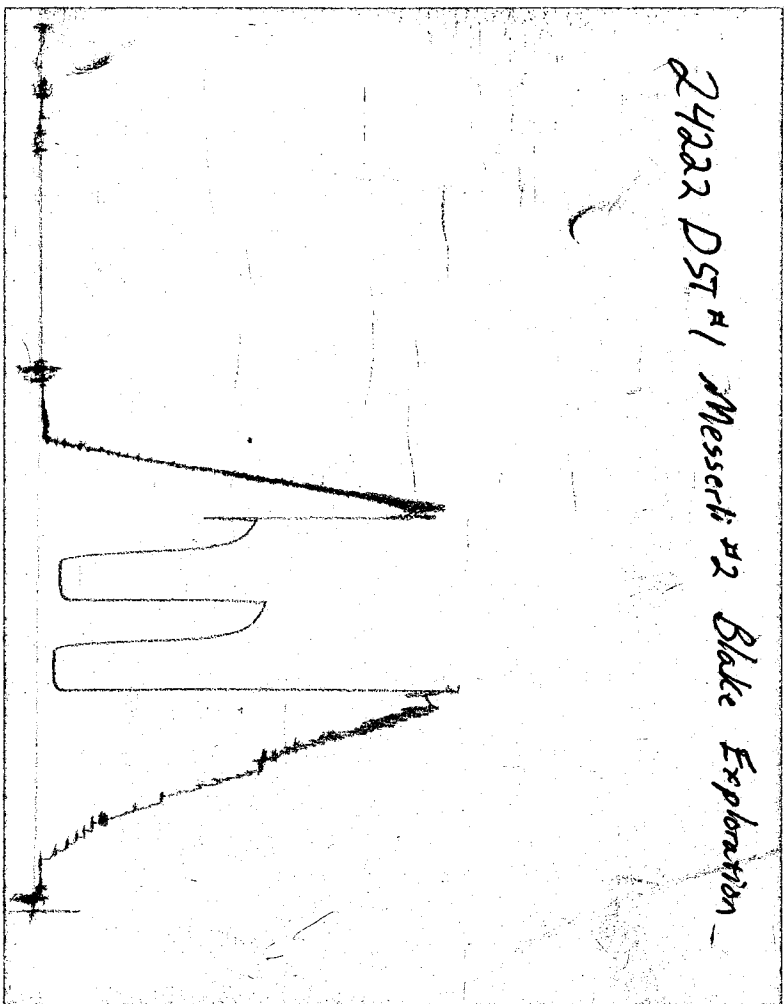
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

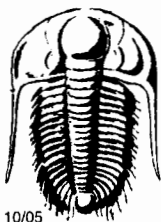
Approved By _____

Our Representative Chuck Amick

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 24223

Test Ticket

Well Name & No. Messeri #2 Test No. 2 Date 6-20-06
 Company Blake Exploration LLC Zone Tested Lansing "I+J"
 Address Box 150 Bogue, KS 67625 Elevation 3135 KB 3125 GL
 Co. Rep / Geo. Mike Davignon Rig Martin #14
 Location: Sec. 27 Twp. 12S Rge. 33W Co. Logan State KS
 Comment: _____ Release date / time: _____

Interval Tested 4260 to 4310 Initial Str Wt./Lbs. 76,000 Unseated Str Wt./Lbs. 79,000
 Anchor Length 50 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 105,000
 Top Packer Depth 4256 Tool Weight 1,500
 Bottom Packer Depth 4260 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4310 Wt. Pipe Run 0 Drill Collar Run 560
 Mud Wt. 9.0 LCM 0 Vis. 5.9 WL 6.4 Drill Pipe Size 4 1/2 XH Ft. Run 3710

Blow Description IF: Surface blow built to 4 1/2"
ISI: No return.
FF: Surface blow built to 4 1/2"
FSI: Surface blow after 5 min.

Recovery - Total Feet 275 GIP 460 Ft. in DC 275 Ft. in DP 0
 Rec. 90 Feet of 0 %gas 100 %oil _____ %water _____ %mud _____
 Rec. 185 Feet of GOCM 30 %gas 20 %oil _____ %water 50 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 116 °F Gravity 41 °API D @ 100 °F Corrected Gravity 37 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5,600 ppm System

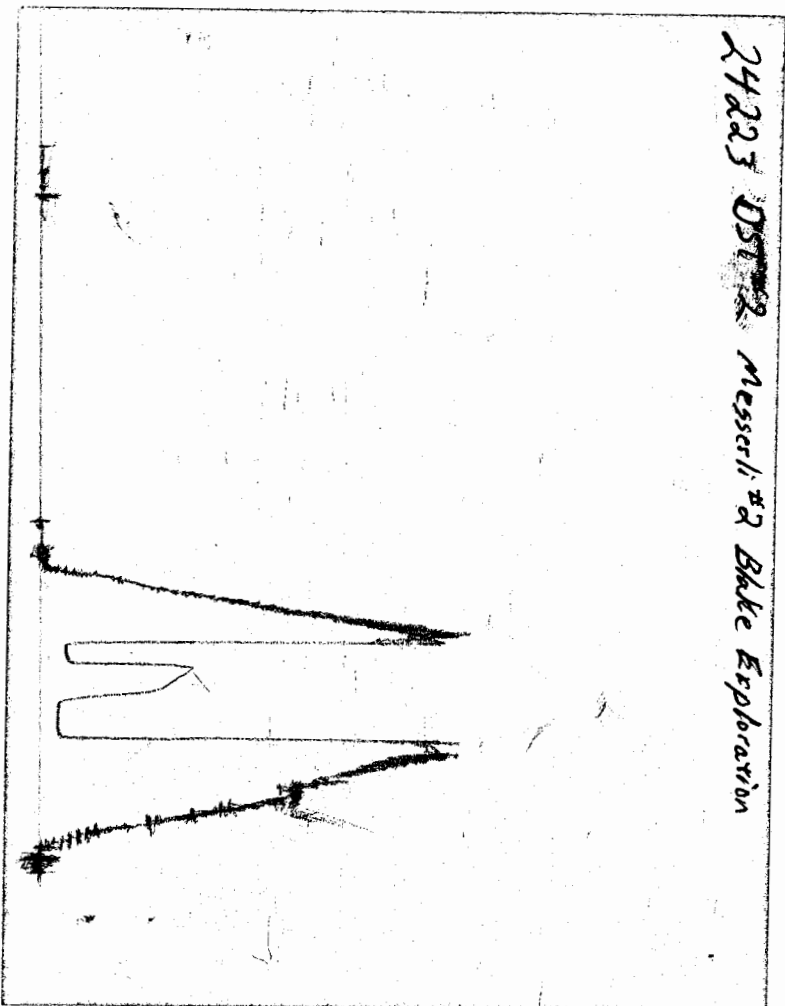
	AK-1	Alpine				
(A) Initial Hydrostatic Mud		<u>2,101</u>	PSI	Recorder No.	<u>8017</u>	Test <u>X</u> <u>4,100"</u>
(B) First Initial Flow Pressure		<u>31</u>	PSI	(depth)	<u>4266</u>	Jars _____
(C) First Final Flow Pressure		<u>70</u>	PSI	Recorder No.	<u>13276</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>819</u>	PSI	(depth)	<u>4305</u>	Circ Sub <u>X</u> <u>N/C</u>
(E) Second Initial Flow Pressure		<u>74</u>	PSI	Recorder No.		Sampler _____
(F) Second Final Flow Pressure		<u>120</u>	PSI	(depth)		Straddle _____
(G) Final Shut-In Pressure		<u>833</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>2,054</u>	PSI	Initial Shut-In	<u>30</u>	Shale Packer _____
				Final Flow	<u>60</u>	Ruined Packer <u>X</u> <u>200"</u>
				Final Shut-In	<u>60</u>	Mileage <u>91</u> <u>113.75</u>
				T-On Location	<u>09:55am</u>	Sub Total: <u>1413.75</u>
				T-Started	<u>10:21am</u>	Std. By _____
				T-Open	<u>12:25pm</u>	Acc. Chg: _____
				T-Pulled	<u>15:27pm</u>	Other: _____
				T-Out	<u>17:27pm</u>	Total: _____

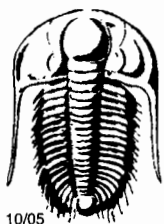
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 24224

Test Ticket

Well Name & No. Messeri #2 Test No. 3 Date 6-20-06
 Company Blake Exploration LLC Zone Tested L/KC "K"
 Address Box 150 Bogue, KS 67625 Elevation 3135 KB 3125 GL
 Co. Rep / Geo. Mike Davignon Rig Murfin #14
 Location: Sec. 27 Twp. 12s Rge. 33w Co. Logan State KS
 Comment: _____ Release date / time: _____

Interval Tested 4305 to 4340 Initial Str Wt./Lbs. 77,000 Unseated Str Wt./Lbs. 78,000
 Anchor Length 35 Wt. Set Lbs. 28,000 Wt. Pulled Loose/Lbs. 110,000
 Top Packer Depth 4300 4301 Tool Weight 1,500
 Bottom Packer Depth 4305 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4340 Wt. Pipe Run 0 Drill Collar Run 560
 Mud Wt. 9.0 LCM 0 Vis. 59 WL 6.4 Drill Pipe Size 4 1/2 XH Ft. Run 3,742

Blow Description IF: Fair blow built to B.O.B. @ 27 min.

ISI: Weak surface return.

FF: Surface blow built to 9 1/2"

FSI: Weak surface return.

Recovery - Total Feet _____ GIP 120 Ft. in DC 558 Ft. in DP 60
 Rec. 10 Feet of Free oil %gas 100 %oil _____ %water _____ %mud _____
 Rec. 505 Feet of MCW spots of oil %gas _____ %oil 90 %water 10 %mud _____
 Rec. 93 Feet of SOMCW %gas 10 %oil 65 %water 25 %mud _____
 Rec. 10 Feet of Mud %gas _____ %oil _____ %water 100 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 123 °F Gravity 38 °API D @ 60 °F Corrected Gravity 38 °API
 RW .170 @ 71 °F Chlorides 45,000 ppm Recovery 45,000 Chlorides 5,600 ppm System

(A) Initial Hydrostatic Mud	<u>2,136</u> PSI	Recorder No.	<u>8017</u>	Test X	<u>1,100"</u>
(B) First Initial Flow Pressure	<u>32</u> PSI	(depth)	<u>4310</u>	Jars	_____
(C) First Final Flow Pressure	<u>223</u> PSI	Recorder No.	<u>13276</u>	Safety Jt.	_____
(D) Initial Shut-In Pressure	<u>294</u> PSI	(depth)	<u>4335</u>	Circ Sub X	<u>NK</u>
(E) Second Initial Flow Pressure	<u>231</u> PSI	Recorder No.	_____	Sampler	_____
(F) Second Final Flow Pressure	<u>297</u> PSI	(depth)	_____	Straddle	_____
(G) Final Shut-In Pressure	<u>755</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud	<u>2,056</u> PSI	Initial Shut-In	<u>30</u>	Shale Packer	_____

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Approved By _____

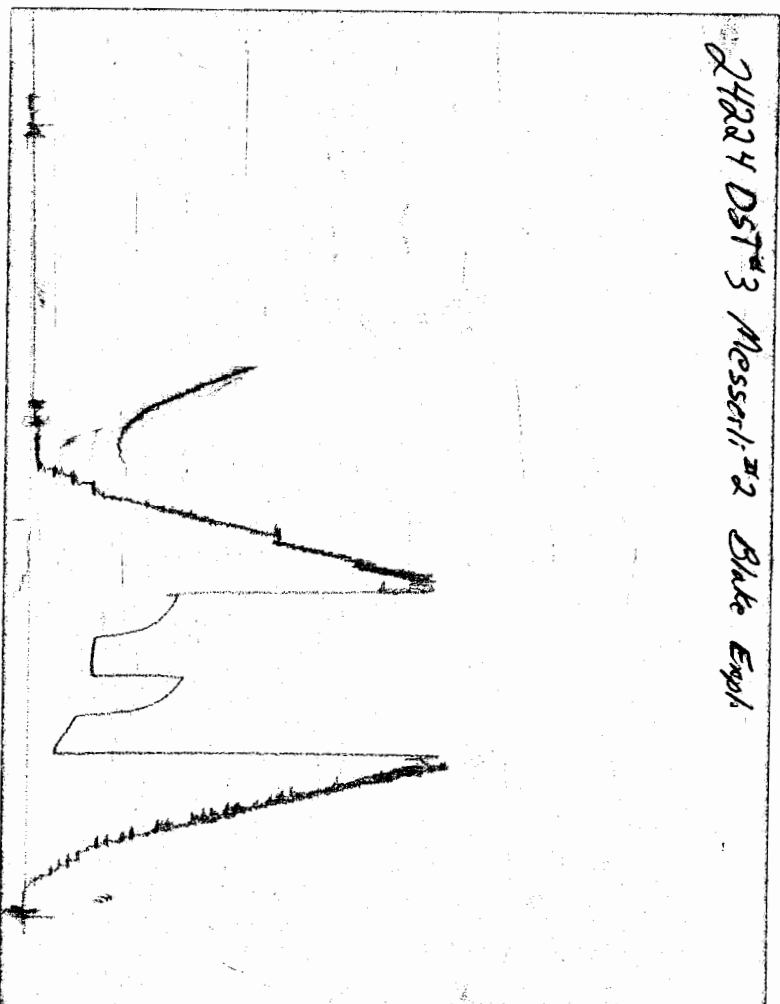
Our Representative Chuck Smith

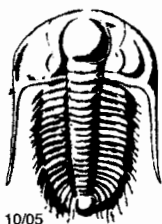
Final Flow 30
 Final Shut-In 30
 T-On Location 23:44pm
 T-Started 00:43am
 T-Open 02:59am
 T-Pulled 05:00am
 T-Out 07:26am
 Ruined Packer _____
 Mileage 91 113.75
 Sub Total: 1213.75
 Std. By _____
 Acc. Chg: _____
 Other: _____
 Total: _____

CHART PAGE

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

24224 DST³ Messeri² Blute Eng¹





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 24251

Test Ticket

Well Name & No. Messertli #2 Test No. 4 Date 6-22-06
 Company Blake Exploration L.L.C. Zone Tested Johnson
 Address Box 150 Bogue, KS 67625 Elevation 3135 KB 3125 GL
 Co. Rep / Geo. Mike Davignon Rig Mufin #14
 Location: Sec. 27 Twp. 12S Rge. 33W Co. Logan State KS
 Comment: _____ Release date / time: _____

Interval Tested 4610 to 4659 Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 85,000
 Anchor Length 49 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 115,000
 Top Packer Depth 4606 Tool Weight 1,500
 Bottom Packer Depth 4610 Hole Size 7 7/8" ☒ Rubber Size 6 3/4" ☒
 Total Depth 4659 Wt. Pipe Run 0 Drill Collar Run 560
 Mud Wt. 9.2 LCM 2 Vis. 62 WL 6.8 Drill Pipe Size 4 1/2 X 11 Ft. Run 4,059
 Blow Description IF: B.O.B. @ 2 min.
ISI: B.O.B. @ 9 min.
FF: B.O.B. @ 3 min, gas to surface @ 38 min, does burn.
FSI: B.O.B. @ 3 min.

Recovery - Total Feet 2,420 GIP 2,139 Ft. in DC 560 Ft. in DP 1,860
 Rec. 248 Feet of GCO 40 %gas 60 %oil %water %mud
 Rec. 2,172 Feet of GO 15 %gas 85 %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 128 °F Gravity 35 °API D @ 60 °F Corrected Gravity 35 °API
 RW — @ — °F Chlorides — ppm Recovery — Chlorides 8,600 ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2,314</u> PSI	Recorder No. <u>8017</u>	Test <u>X</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>309</u> PSI	(depth) <u>4619</u>	Jars _____
(C) First Final Flow Pressure	<u>475</u> PSI	Recorder No. <u>13276</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1,096</u> PSI	(depth) <u>4,654</u>	Circ Sub <u>X</u> <u>5000</u>
(E) Second Initial Flow Pressure	<u>425</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>879</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1,108</u> PSI	Initial Opening <u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2,266</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____

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Approved By [Signature]
 Our Representative Chuck Smith

Final Flow 60
 Final Shut-In 90
 T-On Location 13:45pm
 T-Started 14:11pm
 T-Open 16:24pm
 T-Pulled 19:43pm
 T-Out 23:49pm
6.25 hrs
 Ruined Packer _____
 Mileage 91 113.75
 Sub Total: 1263.75
 Std. By X 50.00
 Acc. Chg: _____
 Other: 130.20
 Total: 1443.95

CHART PAGE

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

Messeri #2 DST #4 Blake Exploration

