15-065-23113

27-6s-21w

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration**

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

27-6-21-Graham-Ks

Pennington #1

Start Date: 2006.01.11 @ 19:03:09
End Date: 2006.01.12 @ 03:30:39
Job Ticket #: 24411 DST #: 1

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Blake Exploration

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

Pennington #1

27-6-21-Graham-Ks

Job Ticket: 24411 **DST#: 1**

Test Start: 2006.01.11 @ 19:03:09

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:41:09
Time Test Ended: 03:30:39

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 21

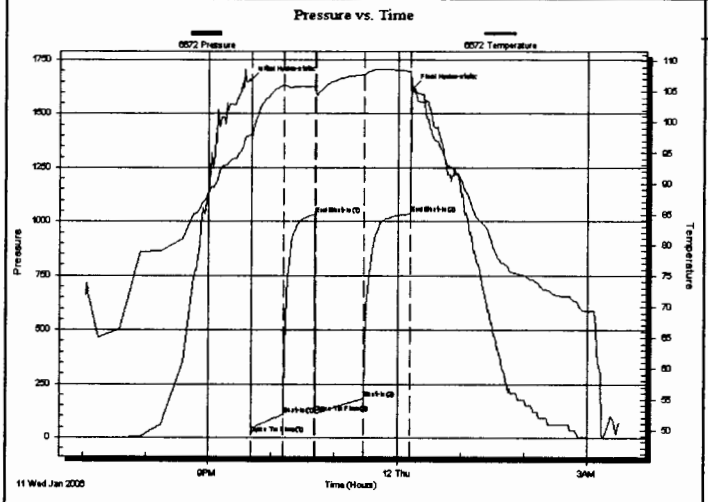
Interval: 3465.00 ft (KB) To 3490.00 ft (KB) (TVD)
Total Depth: 3490.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2308.00 ft (KB)
2303.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6672 **Inside**
Press@RunDepth: 182.13 psig @ 3466.00 ft (KB)
Start Date: 2006.01.11 End Date: 2006.01.12
Start Time: 19:03:10 End Time: 03:30:39

Capacity: 7000.00 psig
Last Calib.: 2006.01.12
Time On Btm: 2006.01.11 @ 21:39:39
Time Off Btm: 2006.01.12 @ 00:13:39

TEST COMMENT: IF-Weak building to strong B-B in 25 min
ISI-Weak 1/2" steady blow
FF-Strong B-B in 20 min
FSI-Weak 1/2" steady blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.35	98.06	Initial Hydro-static
2	17.62	97.47	Open To Flow (1)
32	106.24	105.90	Shut-In(1)
61	1032.02	105.79	End Shut-In(1)
62	113.73	104.90	Open To Flow (2)
108	182.13	107.73	Shut-In(2)
152	1036.42	108.31	End Shut-In(2)
154	1619.94	105.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
465.00	CGsyO 20%g 80%o	5.44
0.00	278 GIP	0.00

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

Pennington #1

27-6-21-Graham-Ks

Job Ticket: 24411 **DST#: 1**

Test Start: 2006.01.11 @ 19:03:09

Tool Information

Drill Pipe:	Length:	3351.00 ft	Diameter:	3.80 inches	Volume:	47.01 bbl	Tool Weight:	2000.00 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:	119.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	45000.00 lb
					Total Volume:	47.60 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		26.00 ft					String Weight: Initial	39000.00 lb
Depth to Top Packer:		3465.00 ft					Final	41000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		25.00 ft						
Tool Length:		46.00 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			3445.00		
Shut In Tool	5.00			3450.00		
Hydraulic tool	5.00			3455.00		
Packer	5.00			3460.00	21.00	Bottom Of Top Packer
Packer	5.00			3465.00		
Stubb	1.00			3466.00		
Recorder	0.00	6672	Inside	3466.00		
Perforations	21.00			3487.00		
Recorder	0.00	13254	Outside	3487.00		
Bullnose	3.00			3490.00	25.00	Bottom Packers & Anchor
Total Tool Length:	**46.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

Pennington #1

27-6-21-Graham-Ks

Job Ticket: 24411 **DST#: 1**

Test Start: 2006.01.11 @ 19:03:09

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	28 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1100.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

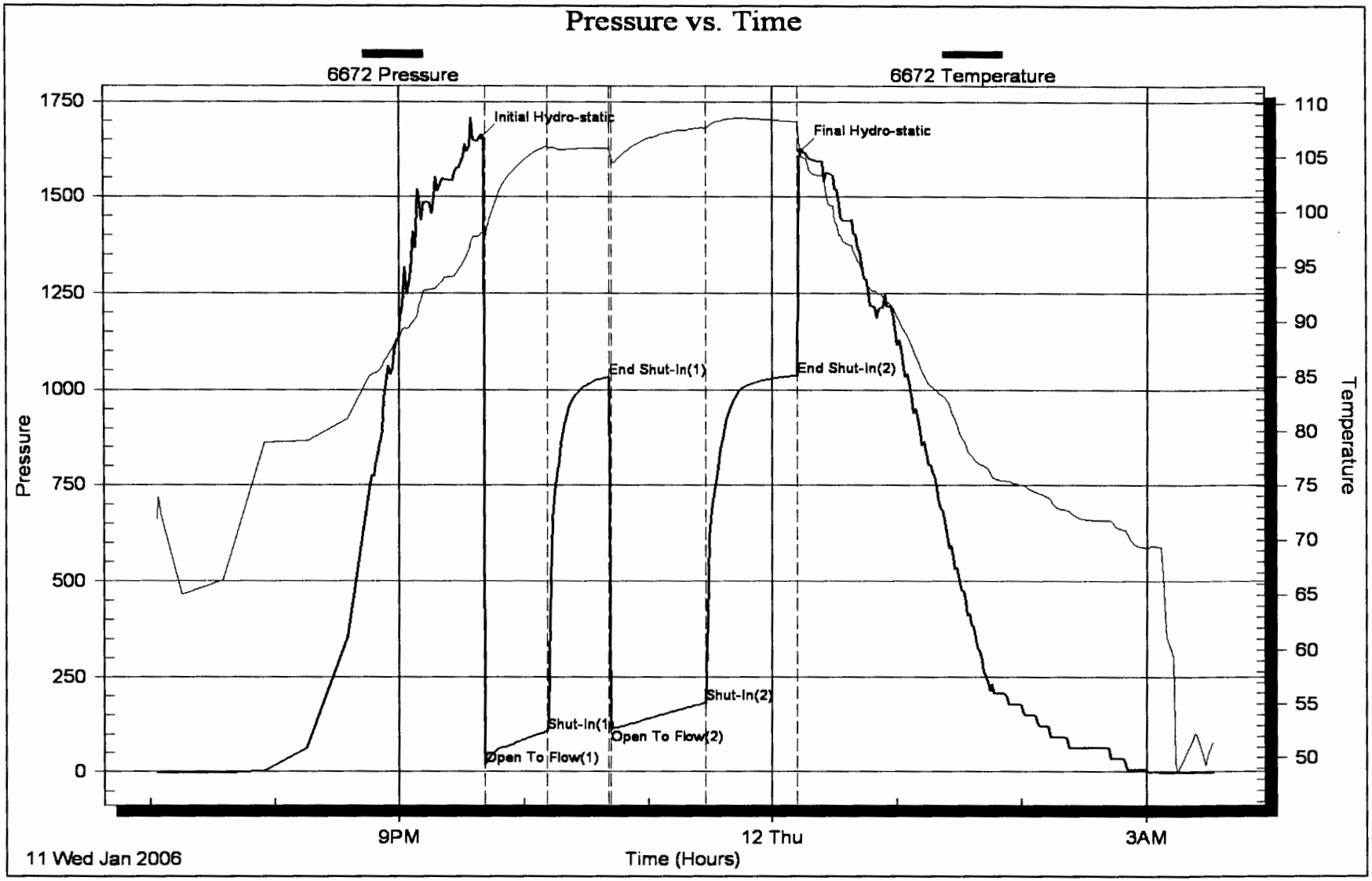
Length ft	Description	Volume bbl
465.00	CGsyO 20%g 80%o	5.439
0.00	278 GIP	0.000

Total Length: 465.00 ft Total Volume: 5.439 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6672 Pressure
6672 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
110
105
100
95
90
85
80
75
70
65
60
55
50
9PM
12 Thu
3AM
11 Wed Jan 2006
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration**

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

27-6-21-Graham-Ks

Pennington #1

Start Date: 2006.01.12 @ 15:38:08

End Date: 2006.01.13 @ 00:26:38

Job Ticket #: 24412 DST #: 2

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Blake Exploration

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

Pennington #1

27-6-21-Graham-Ks

Job Ticket: 24412 **DST#: 2**

Test Start: 2006.01.12 @ 15:38:08

GENERAL INFORMATION:

Formation: **Toronto**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:43:38
Time Test Ended: 00:26:38

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 21

Interval: 3510.00 ft (KB) To 3560.00 ft (KB) (TVD)
Total Depth: 3560.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

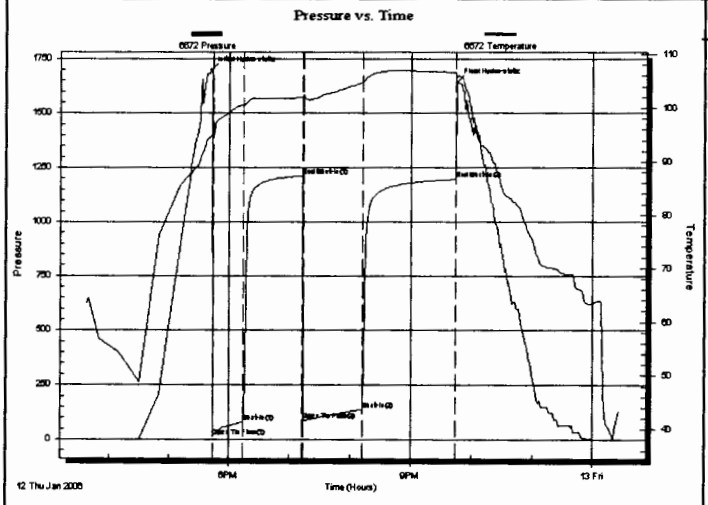
Reference Elevations: 2308.00 ft (KB)
2303.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6672 **Inside**

Press@RunDepth: 138.37 psig @ 3513.00 ft (KB)
Start Date: 2006.01.12 End Date: 2006.01.13
Start Time: 15:38:09 End Time: 00:26:38

Capacity: 7000.00 psig
Last Calib.: 2006.01.13
Time On Btm: 2006.01.12 @ 17:41:38
Time Off Btm: 2006.01.12 @ 21:45:08

TEST COMMENT: IF-Weak building to strong B-B in 25 min
ISI-Weak building to 1/2"
FF-Weak building to strong B-B in 15 min
FSI-Weak building to 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1696.18	94.78	Initial Hydro-static
2	15.15	94.71	Open To Flow (1)
32	79.18	100.53	Shut-In(1)
91	1212.31	101.90	End Shut-In(1)
92	86.86	102.43	Open To Flow (2)
151	138.37	104.79	Shut-In(2)
242	1196.77	106.68	End Shut-In(2)
244	1641.94	105.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	OCGsyM 10%g 30%o 60%m	0.44
185.00	CGsyO 10%g 90%o	2.33
0.00	588 GIP	0.00

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

Pennington #1

27-6-21-Graham-Ks

Job Ticket: 24412 **DST#: 2**

Test Start: 2006.01.12 @ 15:38:08

Tool Information

Drill Pipe:	Length:	3385.00 ft	Diameter:	3.80 inches	Volume:	47.48 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:	119.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:		45000.00 lb
					Total Volume:	48.07 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		15.00 ft					String Weight:	Initial	40000.00 lb
Depth to Top Packer:		3510.00 ft						Final	41000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		50.00 ft							
Tool Length:		71.00 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			3490.00		
Shut In Tool	5.00			3495.00		
Hydraulic tool	5.00			3500.00		
Packer	5.00			3505.00	21.00	Bottom Of Top Packer
Packer	5.00			3510.00		
Stubb	1.00			3511.00		
Perforations	1.00			3512.00		
Change Over Sub	1.00			3513.00		
Recorder	0.00	6672	Inside	3513.00		
Drill Pipe	31.00			3544.00		
Change Over Sub	1.00			3545.00		
Recorder	0.00	13254	Outside	3545.00		
Perforations	12.00			3557.00		
Bullnose	3.00			3560.00	50.00	Bottom Packers & Anchor
Total Tool Length:	**71.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

PO Box 150 .
Bogue Ks 67625-0150

ATTN: Mike Davignon

Pennington #1

27-6-21-Graham-Ks

Job Ticket: 24412 **DST#: 2**

Test Start: 2006.01.12 @ 15:38:08

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:	ppm
Viscosity:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1100.00 ppm				
Filter Cake:	inches				

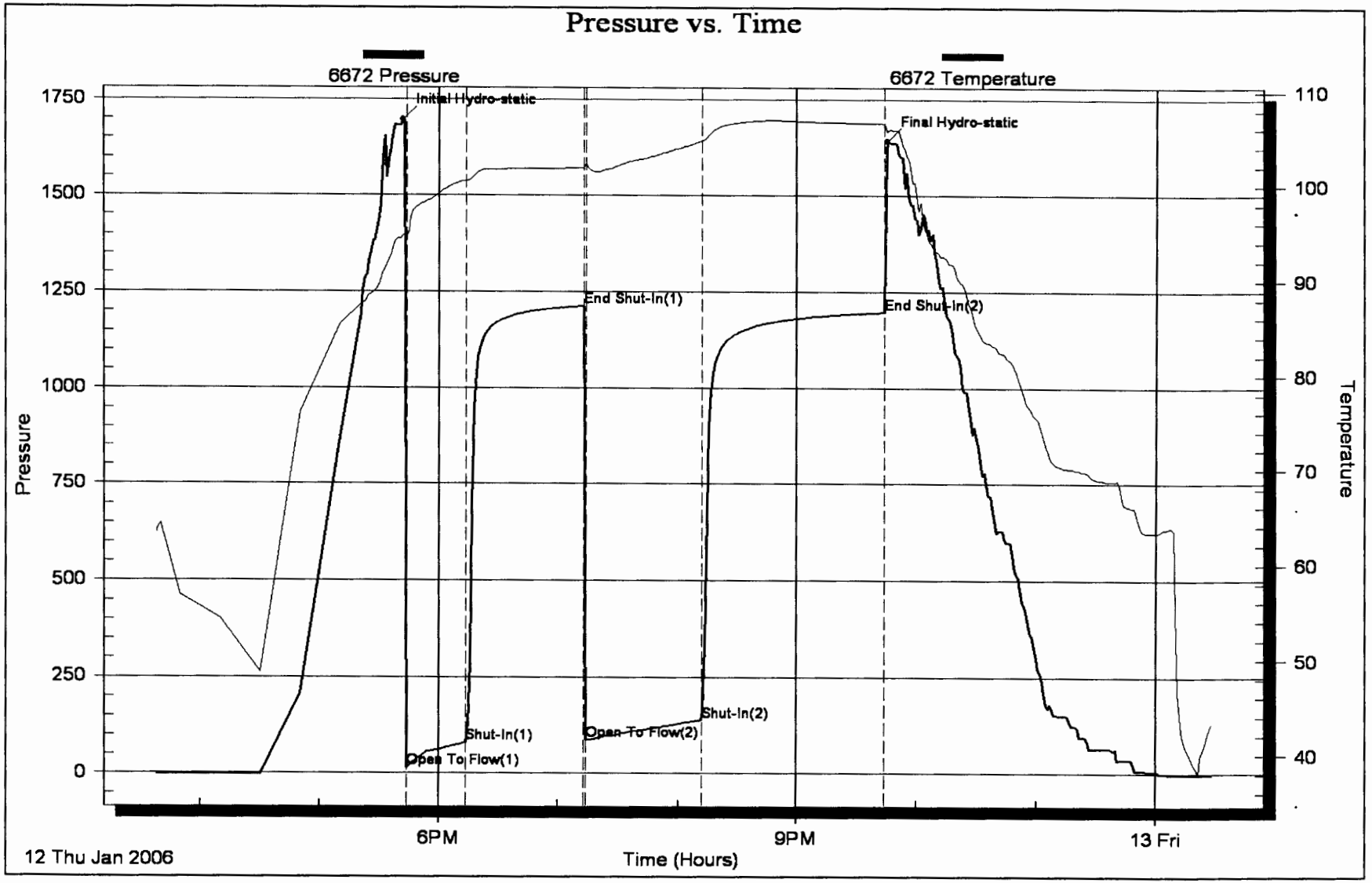
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	OCGsyM 10%g 30%o 60%m	0.443
185.00	CGsyO 10%g 90%o	2.331
0.00	588 GIP	0.000

Total Length: 275.00 ft Total Volume: 2.774 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6672 Pressure
6672 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
40
6PM
9PM
13 Fri
12 Thu Jan 2006
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration**

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

27-6-21-Graham-Ks

Pennington #1

Start Date: 2006.01.13 @ 09:25:36
End Date: 2006.01.13 @ 16:23:36
Job Ticket #: 24413 DST #: 3

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

DRILL STEM TEST REPORT

Blake Exploration

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

Pennington #1

27-6-21-Graham-Ks

Job Ticket: 24413 **DST#: 3**

Test Start: 2006.01.13 @ 09:25:36

GENERAL INFORMATION:

Formation: **C** **LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:41:36
Time Test Ended: 16:23:36

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 21

Interval: 3580.00 ft (KB) To 3610.00 ft (KB) (TVD)
Total Depth: 3610.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

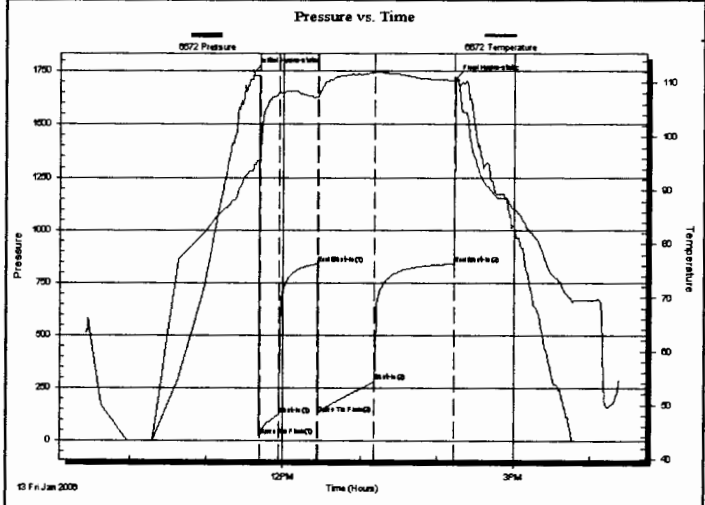
Reference Elevations: 2308.00 ft (KB)
2303.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6672 **Inside**

Press@RunDepth: 279.19 psig @ 3581.00 ft (KB)
Start Date: 2006.01.13 End Date: 2006.01.13
Start Time: 09:25:37 End Time: 16:23:36

Capacity: 7000.00 psig
Last Calib.: 2006.01.13
Time On Btm: 2006.01.13 @ 11:36:36
Time Off Btm: 2006.01.13 @ 14:14:06

TEST COMMENT: IF-Strong B-B in 10 min
FF-Strong B-B in 25 min
Times-15-30-45-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1747.63	94.44	Initial Hydro-static
5	21.58	95.66	Open To Flow (1)
20	123.22	108.17	Shut-In(1)
50	839.48	107.31	End Shut-In(1)
50	128.73	107.34	Open To Flow (2)
94	279.19	111.85	Shut-In(2)
157	840.24	110.43	End Shut-In(2)
158	1713.39	110.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
410.00	Mdy Wtr Rw .14 @ 80 = 72000ppm	4.67
10.00	CO	0.14

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

Pennington #1

27-6-21-Graham-Ks

Job Ticket: 24413 **DST#: 3**

Test Start: 2006.01.13 @ 09:25:36

Tool Information

Drill Pipe:	Length:	3448.00 ft	Diameter:	3.80 inches	Volume:	48.37 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:		25000.00 lb
Drill Collar:	Length:	119.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:		45000.00 lb
					Total Volume:	48.96 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		8.00 ft					String Weight:	Initial	40000.00 lb
Depth to Top Packer:		3580.00 ft						Final	42000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		30.00 ft							
Tool Length:		51.00 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			3560.00		
Shut In Tool	5.00			3565.00		
Hydraulic tool	5.00			3570.00		
Packer	5.00			3575.00	21.00	Bottom Of Top Packer
Packer	5.00			3580.00		
Stubb	1.00			3581.00		
Recorder	0.00	6672	Inside	3581.00		
Perforations	26.00			3607.00		
Recorder	0.00	13254	Outside	3607.00		
Bullnose	3.00			3610.00	30.00	Bottom Packers & Anchor
Total Tool Length:	**51.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

Pennington #1

27-6-21-Graham-Ks

Job Ticket: 24413 **DST#: 3**

Test Start: 2006.01.13 @ 09:25:36

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:	72000 ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1100.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

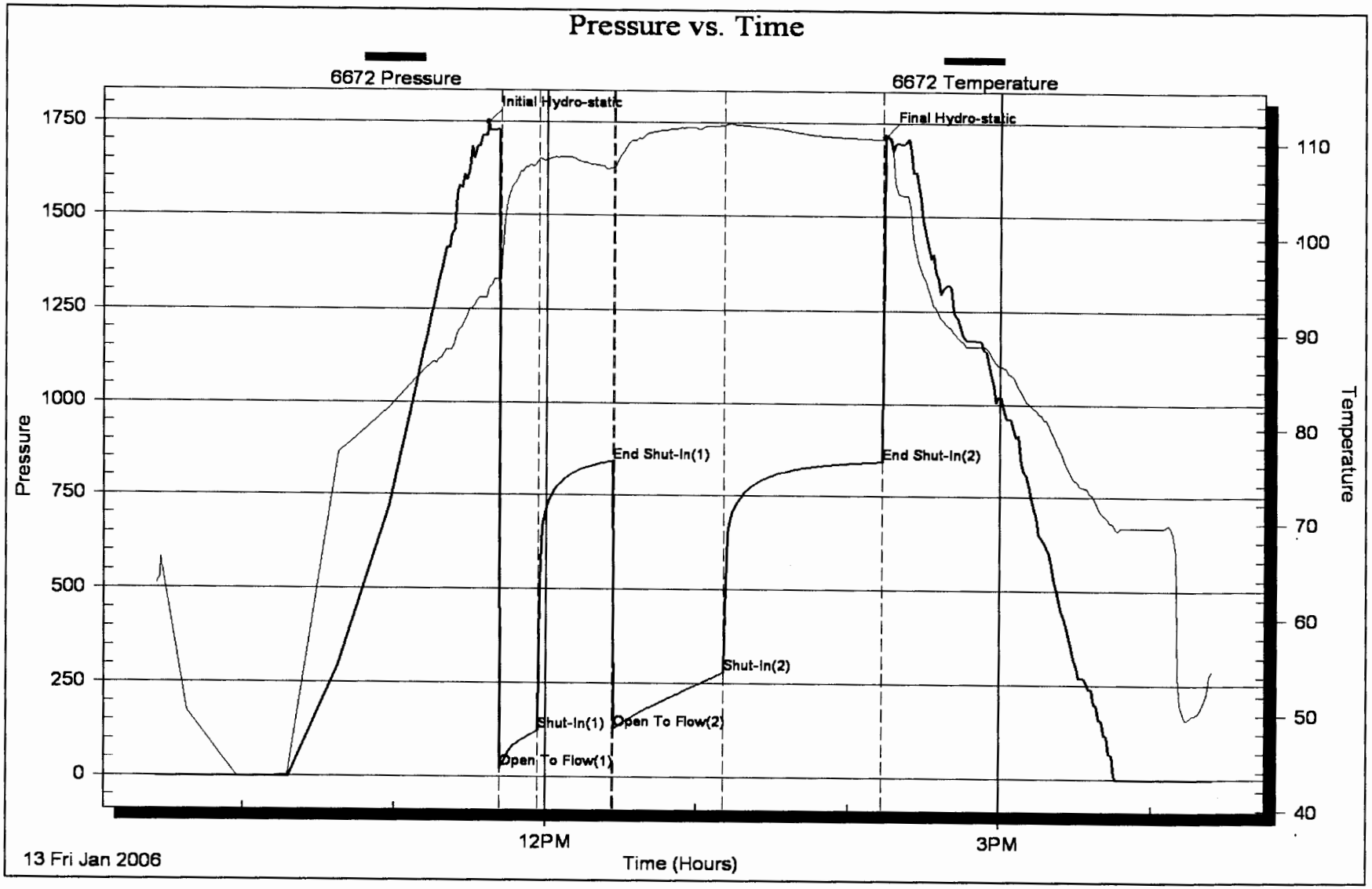
Length ft	Description	Volume bbl
410.00	Mdy Wtr Rw .14 @ 80 = 72000ppm	4.667
10.00	CO	0.140

Total Length: 420.00 ft Total Volume: 4.807 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6672 Pressure
6672 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
40
12PM
3PM
13 Fri Jan 2006
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration**

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

27-6-21-Graham-Ks

Pennington #1

Start Date: 2006.01.13 @ 23:55:34
End Date: 2006.01.14 @ 08:57:34
Job Ticket #: 24414 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

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

Pennington #1

27-6-21-Graham-Ks

Job Ticket: 24414 **DST#: 4**

Test Start: 2006.01.13 @ 23:55:34

GENERAL INFORMATION:

Formation: D LKC
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:43:34
Time Test Ended: 08:57:34

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 21

Interval: 3605.00 ft (KB) To 3625.00 ft (KB) (TVD)
Total Depth: 3625.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

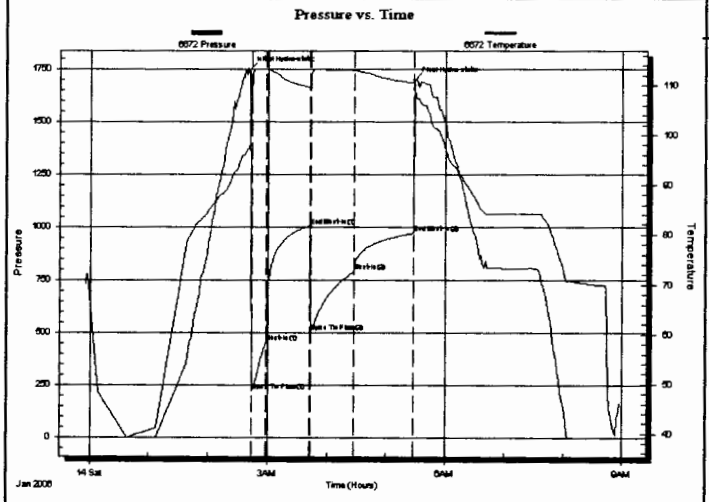
Reference Elevations: 2308.00 ft (KB)
2303.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6672 **Inside**

Press@RunDepth: 789.77 psig @ 3606.00 ft (KB)
Start Date: 2006.01.13 End Date: 2006.01.14
Start Time: 23:55:35 End Time: 08:57:34

Capacity: 7000.00 psig
Last Calib.: 2006.01.14
Time On Btm: 2006.01.14 @ 02:40:34
Time Off Btm: 2006.01.14 @ 05:28:04

TEST COMMENT: IF-Strong B-B in 1 min
ISI-Weak steady surface blow
FF-Strong B-B in 1 min
FSI-Weak steady surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1744.75	97.23	Initial Hydro-static
3	222.97	107.94	Open To Flow (1)
18	456.51	113.18	Shut-In(1)
62	1006.58	109.63	End Shut-In(1)
63	504.03	109.92	Open To Flow (2)
107	789.77	112.99	Shut-In(2)
167	971.28	110.49	End Shut-In(2)
168	1696.81	110.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1735.00	Gsy S Wtr Rw .12 @ 80 = 88000ppm	23.25

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

Pennington #1

27-6-21-Graham-Ks

Job Ticket: 24414 **DST#: 4**

Test Start: 2006.01.13 @ 23:55:34

Tool Information

Drill Pipe:	Length:	3477.00 ft	Diameter:	3.80 inches	Volume:	48.77 bbl	Tool Weight:		2000.00 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:	119.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:		52000.00 lb
					Total Volume:	49.36 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		12.00 ft					String Weight:	Initial	40000.00 lb
Depth to Top Packer:		3605.00 ft						Final	48000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		20.00 ft							
Tool Length:		41.00 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			3585.00		
Shut In Tool	5.00			3590.00		
Hydraulic tool	5.00			3595.00		
Packer	5.00			3600.00	21.00	Bottom Of Top Packer
Packer	5.00			3605.00		
Stubb	1.00			3606.00		
Recorder	0.00	6672	Inside	3606.00		
Perforations	16.00			3622.00		
Recorder	0.00	13254	Outside	3622.00		
Bullnose	3.00			3625.00	20.00	Bottom Packers & Anchor
Total Tool Length:	**41.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

PO Box 150
Bogue Ks 67625-0150

ATTN: Mike Davignon

Pennington #1

27-6-21-Graham-Ks

Job Ticket: 24414 **DST#: 4**

Test Start: 2006.01.13 @ 23:55:34

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:	88000 ppm
Viscosity:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1100.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

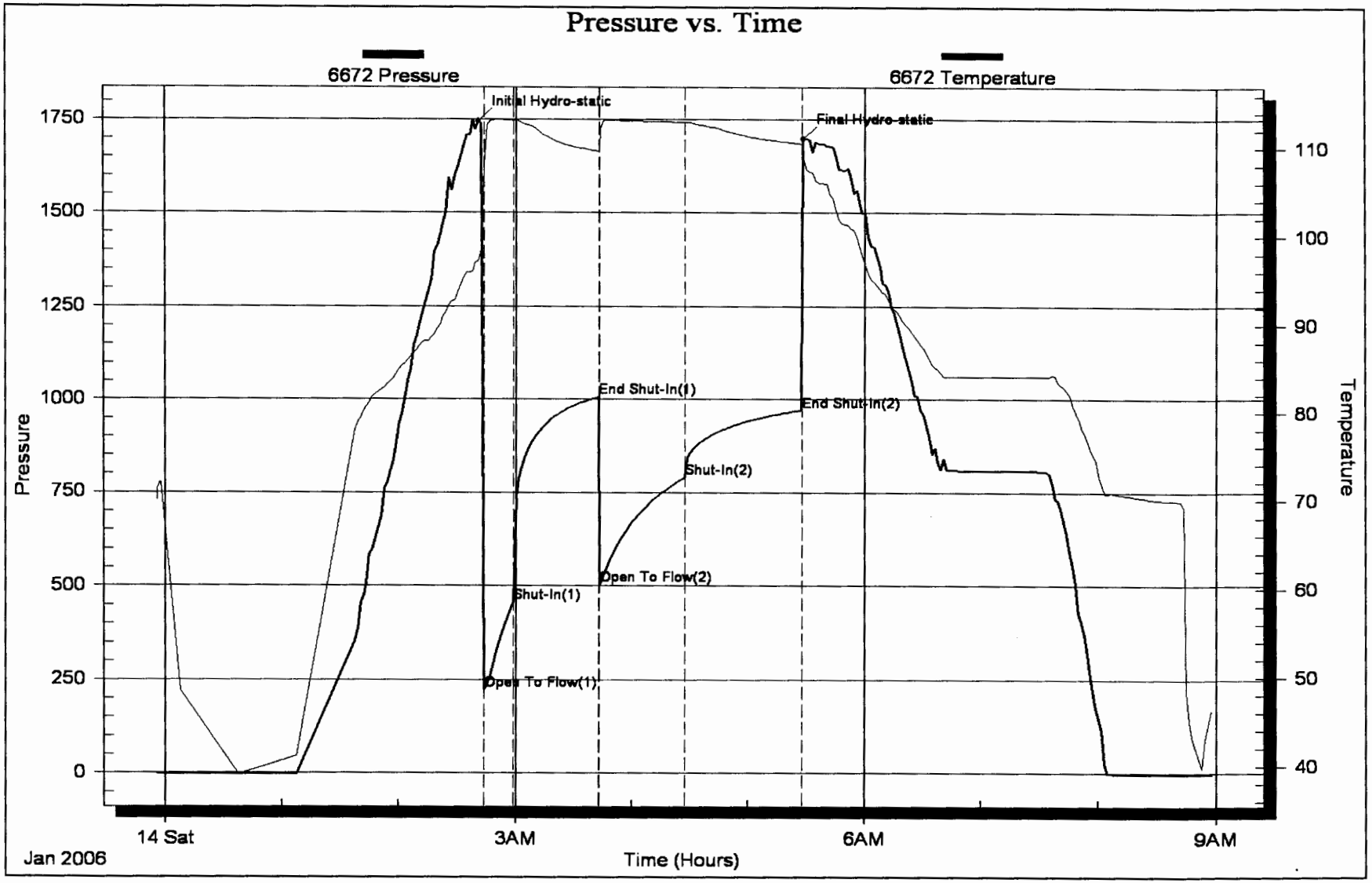
Length ft	Description	Volume bbl
1735.00	Gsy S Wtr Rw .12 @ 80 = 88000ppm	23.253

Total Length: 1735.00 ft Total Volume: 23.253 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6672 Pressure
6672 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(2)
Shut-In(1)
Open To Flow(1)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
40
14 Sat
3AM
6AM
9AM
Jan 2006
Time (Hours)

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

INV 8303

№ 24411

Test Ticket

Well Name & No. Penning Too #1 Test No. 1 Date 1-11-06

Company Blake Exploration Zone Tested Topeka

Address P.O. Box 150, Bogue, Ks. 67625-0150 Elevation 2308 KB 2303 GL

Co. Rep / Geo. Mike Davignon Rig Am Eagle #

Location: Sec. 27 Twp. 6 Rge. 21 Co. Graham State Ks

Comment: Release date / time:

Interval Tested 3465 — 3490 Initial Str Wt./Lbs. 39,000 Unseated Str Wt/Lbs. 41,000

Anchor Length 25' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 45,000

Top Packer Depth 3460 Tool Weight 2000

Bottom Packer Depth 3465 Hole Size 7 7/8" Rubber Size 6 3/4"

Total Depth 3490 Wt. Pipe Run Drill Collar Run 119

Mud Wt. 9 LCM Vis. 49 WL 6.8 Drill Pipe Size 4.5 XH Ft. Run 3351

Blow Description I.F. Weak - building to Strong 6-B in 25 min.
ISI - Weak ½" steady blow
F.F. Strong 6-B in 20 min.
FSI - Weak ½" steady blow

Recovery - Total Feet 465 GIP 278 Ft. in DC 119 Ft. in DP 346

Rec. 465	Feet of CGsy O	20 %gas	80 %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 108 °F Gravity °API D @ °F Corrected Gravity 28 °API

RW @ °F Chlorides ppm Recovery Chlorides 1100 ppm System

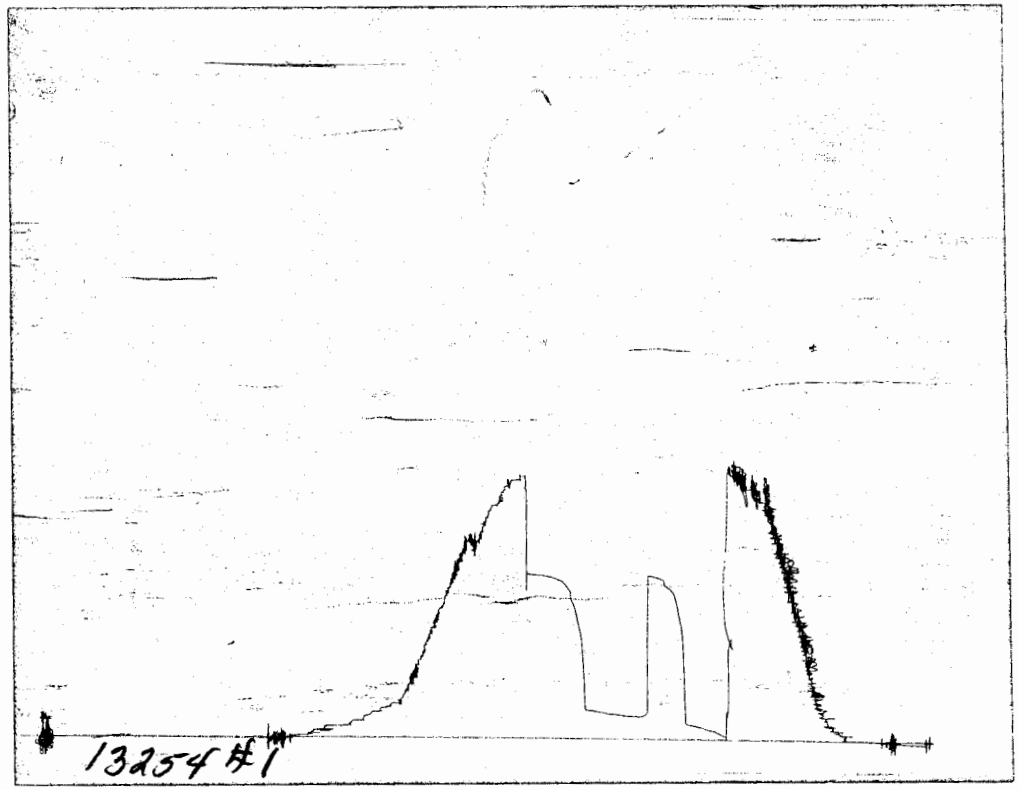
	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1655 PSI	Recorder No.	6672	Test	1000
(B) First Initial Flow Pressure		17 PSI	(depth)	3466	Jars	
(C) First Final Flow Pressure		106 PSI	Recorder No.	13253-4	Safety Jt.	
(D) Initial Shut-In Pressure		1032 PSI	(depth)	3487	Circ Sub	
(E) Second Initial Flow Pressure		113 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		182 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		1036 PSI	**Initial Opening**	30	Ext. Packer	
(Q) Final Hydrostatic Mud		1619 PSI	Initial Shut-In	30	Shale Packer	
			Final Flow	45	Ruined Packer	
			Final Shut-In	45	Mileage 132	132
			T-On Location	17:30	Sub Total:	1132
			T-Started	19:03	Std. By 2hr	100
			T-Open	21:40	Acc. Chg:	
			T-Pulled	00:10	Other:	
			T-Out	03:30	Total:	1232

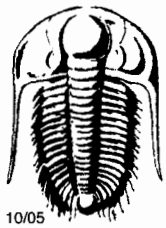
Approved By

Our Representative Dan Bangle

CHART PAGE

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





10/05

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 24412

Test Ticket

Well Name & No. Penning Ten #1 Test No. 2 Date 1-12-06

Company Blake Exploration Zone Tested Toronto

Address _____ Elevation 2308 KB 2303 GL

Co. Rep / Geo. Mike Davignon Rig Am. Eagle #3

Location: Sec. 27 Twp. 6 Rge. 21 Co. Graham State Ks

Comment: _____ Release date / time: _____

Interval Tested 3510 — 3560 Initial Str Wt./Lbs. 40,000 Unseated Str Wt/Lbs. 41,000

Anchor Length 50 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 45,000

Top Packer Depth 3505 Tool Weight 1500

Bottom Packer Depth 3510 Hole Size 7 7/8" Rubber Size 6 3/4"

Total Depth 3560 Wt. Pipe Run _____ Drill Collar Run 119

Mud Wt. 9 LCM _____ Vis. 45 WL 6.8 Drill Pipe Size 4.5 XH Ft. Run 3385

Blow Description I.F. Weak - building to Strong B-B in 25 min.
I.S.I. Weak - building to ½"
F.F. Weak - building to Strong B-B in 15 min.
F.S.I. - Weak - building to ½"

Recovery - Total Feet 275 GIP 588 Ft. in DC 119 Ft. in DP 156

Rec. 185 Feet of CGsyO 10 %gas 90 %oil %water %mud

Rec. 90 Feet of OCGsyM 10 %gas 30 %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 106 °F Gravity _____ °API D @ _____ °F Corrected Gravity 34 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1100 ppm System

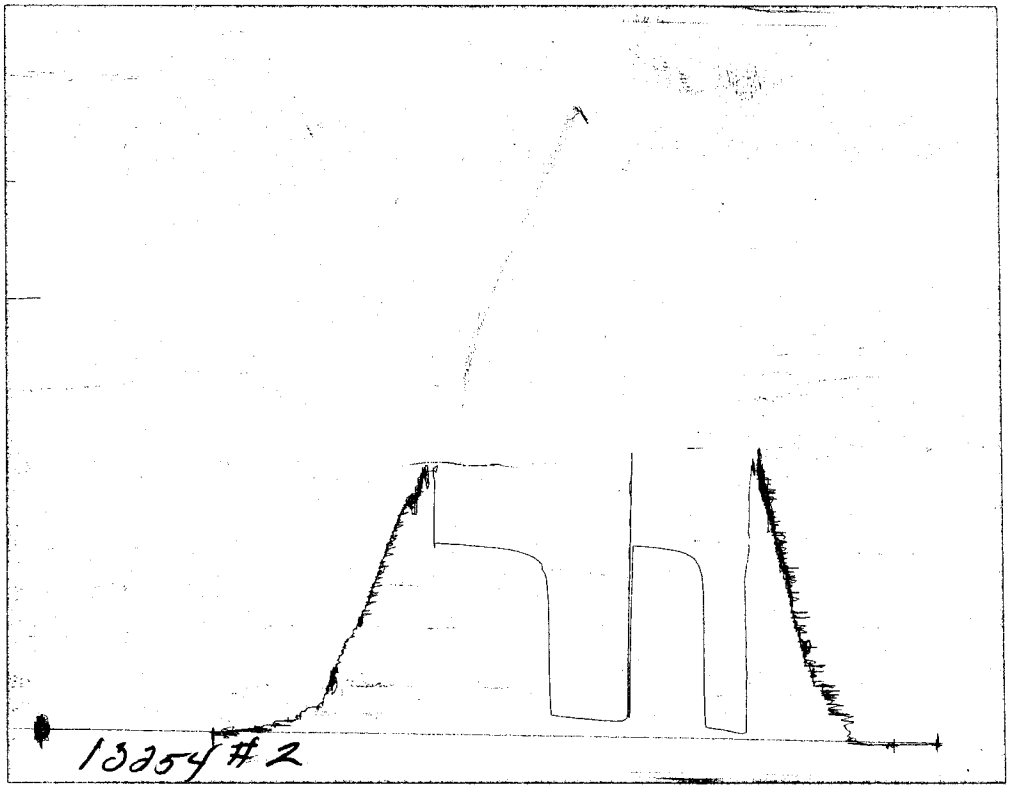
	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1696 PSI	Recorder No.	6672	Test	
(B) First Initial Flow Pressure		15 PSI	(depth)	3513	Jars	
(C) First Final Flow Pressure		79 PSI	Recorder No.	13235	Safety Jt.	
(D) Initial Shut-In Pressure		1212 PSI	(depth)	3545	Circ Sub	
(E) Second Initial Flow Pressure		86 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		138 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		1196 PSI	**Initial Opening**	30	Ext. Packer	
(Q) Final Hydrostatic Mud		1641 PSI	Initial Shut-In	60	Shale Packer	
			Final Flow	60	Ruined Packer	
			Final Shut-In	90	Mileage 40	
			T-On Location	15:00	Sub Total:	1040
			T-Started	15:38	Std. By 1.5hr	75
			T-Open	17:45	Acc. Chg:	
			T-Pulled	21:45	Other:	
			T-Out	00:26	Total:	$1115

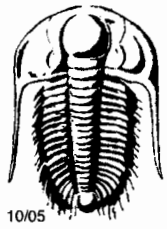
Approved By _____

Our Representative Dan Bangle

CHART PAGE

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





10/05

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 24413

Test Ticket

Well Name & No. Penning Ton #1 Test No. 3 Date 1-13-06

Company Blake Exploration Zone Tested C LKC

Address _____ Elevation 2308 KB 2303 GL

Co. Rep / Geo. Mike Davignon Rig Am. Eagle #3

Location: Sec. 27 Twp. 6 Rge. 21 Co. Graham State Ks

Comment: _____ Release date / time: _____

Interval Tested 3580 — 3610 Initial Str Wt./Lbs. 40,000 Unseated Str Wt/Lbs. 42,000

Anchor Length 30 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 45,000

Top Packer Depth 3575 Tool Weight 2100

Bottom Packer Depth 3580 Hole Size 7 7/8" Rubber Size 6 3/4"

Total Depth 3610 Wt. Pipe Run _____ Drill Collar Run 119

Mud Wt. 9 LCM _____ Vis. 49 WL 6.4 Drill Pipe Size 4.5XH Ft. Run 3448

Blow Description I.F. Strong B-B in 10 min.

F.F. Strong B-B in 25 min.

Recovery - Total Feet 420 GIP _____ Ft. in DC 119 Ft. in DP 301

Rec. 10	Feet of CO	%gas	%oil	%water	%mud
Rec. 410	Feet of mdy WTR.	%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 110 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

RW .14 @ 80 °F Chlorides 72,000 ppm Recovery _____ Chlorides 1100 ppm System

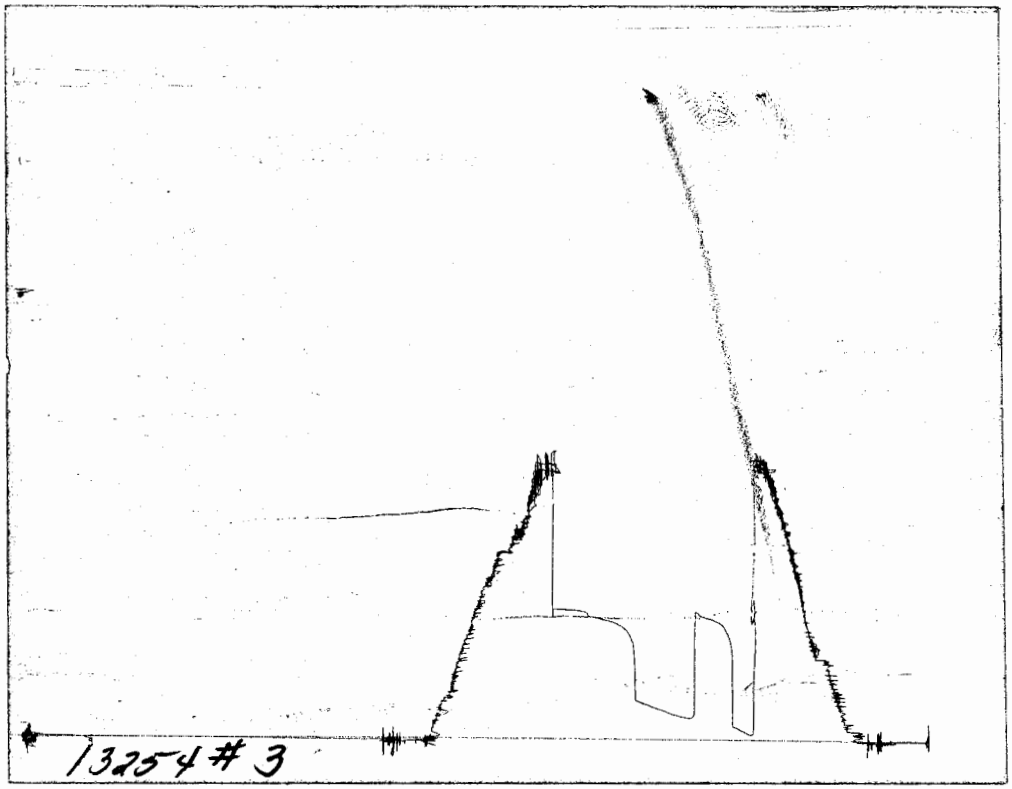
	AK-1	Alpine				
(A) Initital Hydrostatic Mud		1747 PSI	Recorder No.	6672	Test	
(B) First Initial Flow Pressure		21 PSI	(depth)	3581	Jars	
(C) First Final Flow Pressure		123 PSI	Recorder No.	13254	Safety Jt.	
(D) Initial Shut-In Pressure		839 PSI	(depth)	3607	Circ Sub	
(E) Second Initial Flow Pressure		128 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		779 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		840 PSI	**Initial Opening**	15	Ext. Packer	
(Q) Final Hydrostatic Mud		1713 PSI	Initial Shut-In	30	Shale Packer	
			Final Flow	45	Ruined Packer	
			Final Shut-In	60	Mileage 40	
			T-On Location	09:10	Sub Total:	1040
			T-Started	09:20	Std. By	
			T-Open	10:40	Acc. Chg:	
			T-Pulled	14:10	Other:	
			T-Out	16:23	Total:	

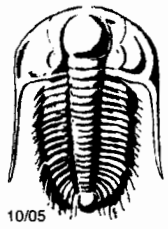
Approved By _____

Our Representative Dan Bangle

CHART PAGE

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





10/05

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 24414

Test Ticket

Well Name & No. Pennington #1 Test No. 4 Date 1-13-06

Company Blake Exploration Zone Tested D LKC

Address Elevation 2310 KB 2305 GL

Co. Rep / Geo. Mike Davignon Rig Am. Eagle #3

Location: Sec. 27 Twp. 6 Rge. 21 Co. Graham State Ks

Comment: Note correction of Elevation Release date / time:

Interval Tested 3605 — 3625 Initial Str Wt./Lbs. 40,000 Unseated Str Wt/Lbs. 48,000

Anchor Length 20 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 52,000

Top Packer Depth 3600 Tool Weight 2000

Bottom Packer Depth 3605 Hole Size 7 7/8" Rubber Size 6 3/4"

Total Depth 3625 Wt. Pipe Run Drill Collar Run 119

Mud Wt. 9 LCM Vis. 47 WL 6.8 Drill Pipe Size 4.5 XH Ft. Run 3477

Blow Description I.F - Strong B-B in 1 min.
1SI - Weak steady surface blow
F.F - Strong B-B in 1 min.
FSI - Weak steady surface blow

Recovery - Total Feet 1735 GIP Ft. in DC 119 Ft. in DP 1616

Rec. 1735	Feet of Gsy S.WTR.	%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 110 °F Gravity °API D @ °F Corrected Gravity °API

RW .12 @ 80 °F Chlorides 88,000 ppm Recovery Chlorides 1100 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1744 PSI	Recorder No.	6672	Test	
(B) First Initial Flow Pressure		222 PSI	(depth)	3606	Jars	
(C) First Final Flow Pressure		456 PSI	Recorder No.	13254	Safety Jt.	
(D) Initial Shut-In Pressure		1006 PSI	(depth)	3622	Circ Sub	X
(E) Second Initial Flow Pressure		504 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		789 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		971 PSI	**Initial Opening**	15	Ext. Packer	
(Q) Final Hydrostatic Mud		1696 PSI	Initial Shut-In	45	Shale Packer	
			Final Flow	45	Ruined Packer	
			Final Shut-In	60	Mileage 40	
			T-On Location	23:00	Sub Total:	1040
			T-Started	23:55	Std. By 2 hrs	100
			T-Open	01:45	Acc. Chg:	
			T-Pulled	05:30	Other:	
			T-Out	08:57	Total:	$1140

Approved By

Our Representative Dan Bangle

CHART PAGE

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