TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy**

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

4--7s--21w Graham KS

Greving # 2

Start Date: 2002.06.08 @ 11:06:18
End Date: 2002.06.08 @ 16:34:18
Job Ticket #: 15825 DST #: 1

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

DRILL STEM TEST REPORT

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4–7s–21w Graham KS

Job Ticket: 15825 **DST#:** 1

Test Start: 2002.06.08 @ 11:06:18

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:52:48
Time Test Ended: 16:34:18

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18

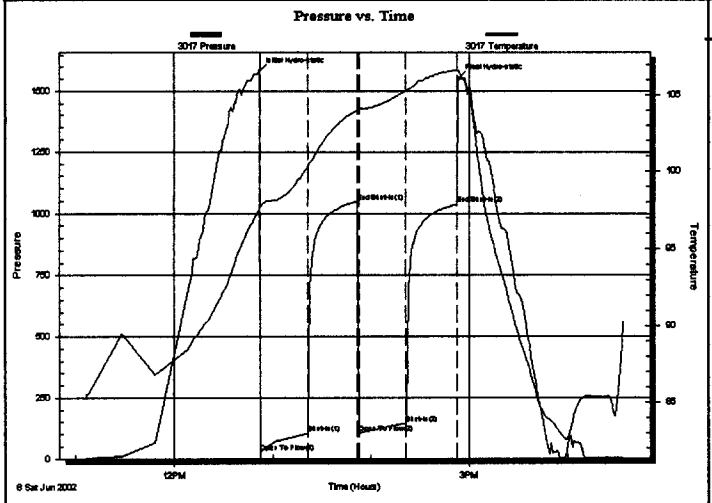
Interval: 3340.00 ft (KB) To 3360.00 ft (KB) (TVD)
Total Depth: 3360.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2186.00 ft (KB)
2181.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3017 **Inside**
Press@RunDepth: 146.26 psig @ 3342.01 ft (KB)
Start Date: 2002.06.08 End Date: 2002.06.08
Start Time: 11:06:19 End Time: 16:34:18

Capacity: 7000.00 psig
Last Calib.: 2002.06.08
Time On Btm: 2002.06.08 @ 12:52:18
Time Off Btm: 2002.06.08 @ 14:53:18

TEST COMMENT: IF-Fair Built to 9'in ISI-Weak blow back
FF-Fair Built to 8'in FSI- no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.95	97.58	Initial Hydro-static
1	24.83	97.71	Open To Flow (1)
30	103.76	100.38	Shut-In(1)
60	1047.34	104.00	End Shut-In(1)
61	105.36	104.07	Open To Flow (2)
89	146.26	105.28	Shut-In(2)
120	1035.65	106.63	End Shut-In(2)
121	1554.33	106.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	C-W	0.76
110.00	M-C-O-W--15%M--20%O--65%W	1.54
85.00	C-G-O 40%G--60%O	1.19

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4–7s–21w Graham KS

Job Ticket: 15825 **DST#: 1**

Test Start: 2002.06.08 @ 11:06:18

Tool Information

Drill Pipe:	Length:	3213.00 ft	Diameter:	3.80 inches	Volume:	45.07 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	125.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:		48000.00 lb
					Total Volume:	45.68 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		18.00 ft					String Weight:	Initial	34000.00 lb
Depth to Top Packer:		3340.00 ft						Final	36000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		20.02 ft							
Tool Length:		40.02 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3321.00		
S.I. Tool	5.00			3326.00		
HMV	5.00			3331.00		
Packer	4.00			3335.00	20.00	Bottom Of Top Packer
Packer	5.00			3340.00		
Stubb	1.00			3341.00		
Perforations	1.00			3342.00		
Recorder -	0.01	3017	Inside	3342.01		
Perforations	15.00			3357.01		
Recorder	0.01	13308	Outside	3357.02		
Bullnose	3.00			3360.02	20.02	Bottom Packers & Anchor
Total Tool Length:	**40.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4--7s--21w Graham KS

Job Ticket: 15825 **DST#: 1**

Test Start: 2002.06.08 @ 11:06:18

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	20 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	66000 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.37 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

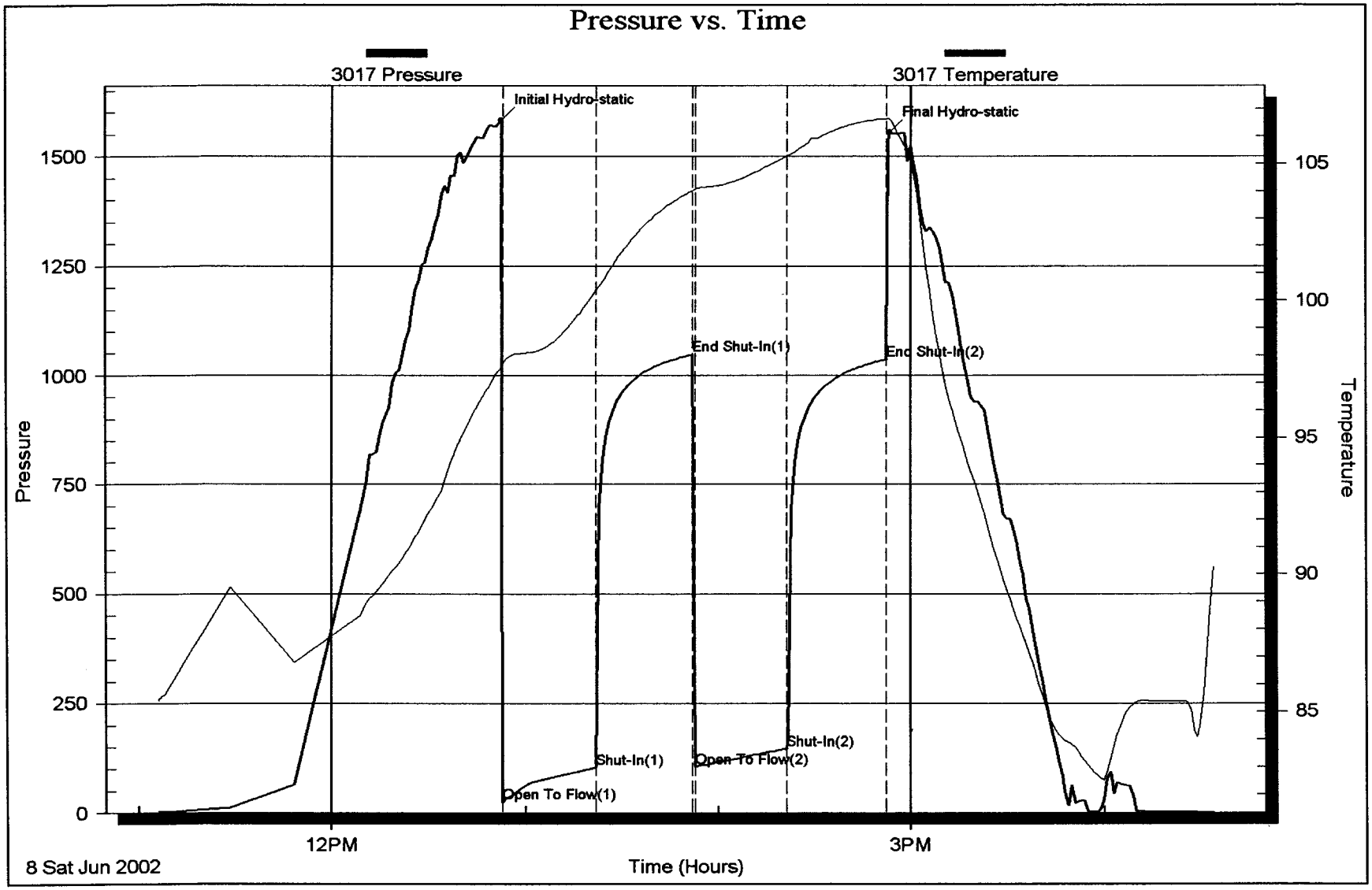
Length ft	Description	Volume bbl
135.00	C-W	0.755
110.00	M-C-O-W--15%M--20%O--65%W	1.543
85.00	C-G-O 40%G--60%O	1.192

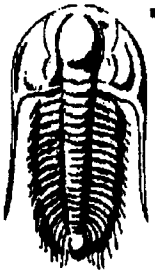
Total Length: 330.00 ft Total Volume: 3.490 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .08@100 degrees F


Pressure vs. Time
3017 Pressure
3017 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)
1500
1250
1000
750
500
250
0
105
100
95
90
85
Pressure
Temperature
12PM
3PM
8 Sat Jun 2002
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy**

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

4–7s--21w Graham KS

Greving # 2

Start Date: 2002.06.09 @ 00:22:49

End Date: 2002.06.09 @ 07:09:19

Job Ticket #: 16401 DST #: 2

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

DRILL STEM TEST REPORT

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4–7s–21w Graham KS

Job Ticket: 16401 **DST#: 2**

Test Start: 2002.06.09 @ 00:22:49

GENERAL INFORMATION:

Formation: **Toronto**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:07:49
Time Test Ended: 07:09:19

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18

Interval: 3390.00 ft (KB) To 3425.00 ft (KB) (TVD)
Total Depth: 3425.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

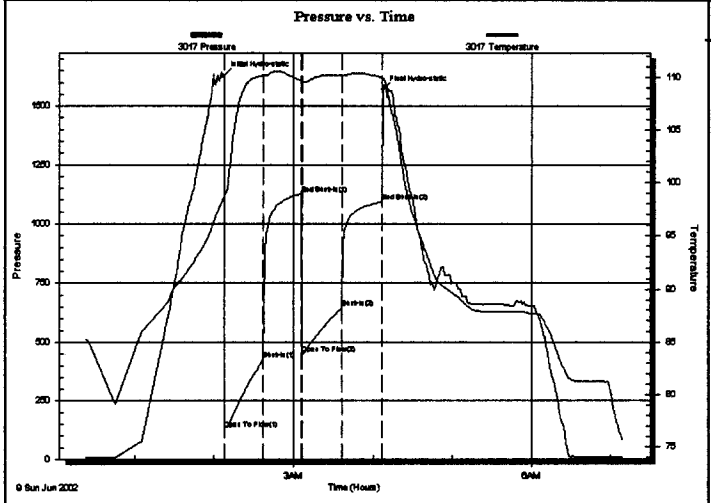
Reference Elevations: 2186.00 ft (KB)
2181.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3017 **Inside**

Press@RunDepth: 646.71 psig @ 3394.01 ft (KB)
Start Date: 2002.06.09 End Date: 2002.06.09
Start Time: 00:22:50 End Time: 07:09:19

Capacity: 7000.00 psig
Last Calib.: 2002.06.09
Time On Btm: 2002.06.09 @ 02:07:19
Time Off Btm: 2002.06.09 @ 04:07:19

TEST COMMENT: IF-Strong B.O.B.in 1 min. ISI-Good Blow back 5 in
FF-Strong B.O.B.in 1 min. FSI-Good Blow back 5 in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1628.81	98.66	Initial Hydro-static
1	129.53	98.84	Open To Flow (1)
30	426.43	110.19	Shut-In(1)
59	1127.61	109.71	End Shut-In(1)
59	449.08	109.70	Open To Flow (2)
90	646.71	110.20	Shut-In(2)
120	1092.32	109.97	End Shut-In(2)
120	1570.39	109.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1685.00	G-Oil--15% Gas--85% Oil	22.50
620.00	G-I-P	8.70

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4–7s–21w Graham KS

Job Ticket: 16401 **DST#: 2**

Test Start: 2002.06.09 @ 00:22:49

Tool Information

Drill Pipe:	Length:	3248.00 ft	Diameter:	3.80 inches	Volume:	45.56 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	125.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:	45000.00 lb
					Total Volume:	46.17 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		3.00 ft					String Weight: Initial	34000.00 lb
Depth to Top Packer:		3390.00 ft					Final	40000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		35.02 ft						
Tool Length:		55.02 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3371.00		
S.I. Tool	5.00			3376.00		
HMV	5.00			3381.00		
Packer	4.00			3385.00	20.00	Bottom Of Top Packer
Packer	5.00			3390.00		
Stubb	1.00			3391.00		
Perforations	3.00			3394.00		
Recorder	0.01	3017	Inside	3394.01		
Perforations	28.00			3422.01		
Recorder	0.01	13308	Outside	3422.02		
Bullnose	3.00			3425.02	35.02	Bottom Packers & Anchor
Total Tool Length:	**55.02**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4-7s-21w Graham KS

Job Ticket: 16401 **DST#: 2**

Test Start: 2002.06.09 @ 00:22:49

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	30 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.37 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

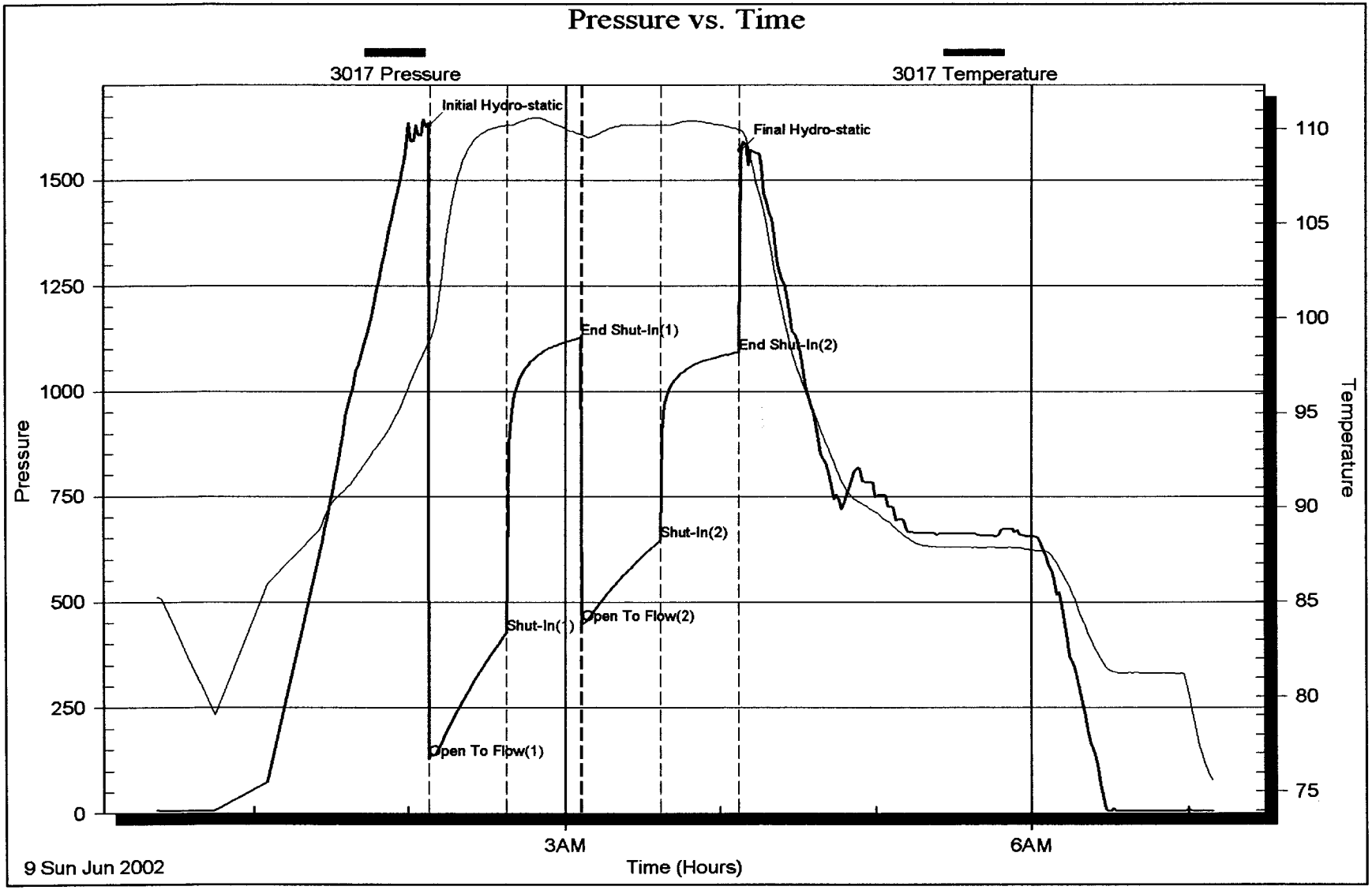
Length ft	Description	Volume bbl
1685.00	G-Oil--15% Gas--85% Oil	22.497
620.00	G-I-P	8.697

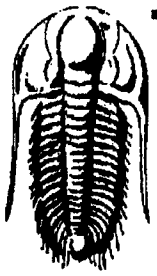
Total Length: 2305.00 ft Total Volume: 31.194 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
3017 Pressure
3017 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Shut-In(1)
Open To Flow(2)
Open To Flow(1)
Pressure
Temperature
1500
1250
1000
750
500
250
0
110
105
100
95
90
85
80
75
3AM
6AM
Time (Hours)
9 Sun Jun 2002



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy**

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

4--7s--21w Graham KS

Greving # 2

Start Date: 2002.06.09 @ 13:03:48
End Date: 2002.06.09 @ 19:16:18
Job Ticket #: 16402 DST #: 3

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

DRILL STEM TEST REPORT

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4–7s–21w Graham KS

Job Ticket: 16402 **DST#: 3**

Test Start: 2002.06.09 @ 13:03:48

GENERAL INFORMATION:

Formation: **L-Kc.-A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:51:18
Time Test Ended: 19:16:18

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18

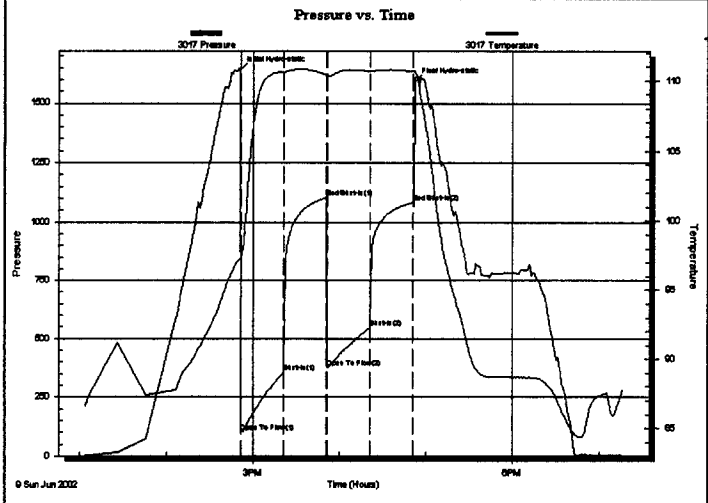
Interval: 3423.00 ft (KB) To 3445.00 ft (KB) (TVD)
Total Depth: 3445.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2186.00 ft (KB)
2181.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3017 **Inside**
Press@RunDepth: 547.76 psig @ 3427.01 ft (KB)
Start Date: 2002.06.09 End Date: 2002.06.09
Start Time: 13:03:49 End Time: 19:16:18

Capacity: 7000.00 psig
Last Calib.: 2002.06.09
Time On Btm: 2002.06.09 @ 14:50:48
Time Off Btm: 2002.06.09 @ 16:51:48

TEST COMMENT: IF-Strong B.O.B.in 1 min. ISI-Good built to 8 in.
FF-Strong B.O.B.in 1 min. FSI-Good built to 7 in.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1641.23	97.31	Initial Hydro-static
1	101.64	97.39	Open To Flow (1)
31	355.70	110.61	Shut-In(1)
60	1104.08	110.40	End Shut-In(1)
61	376.65	110.38	Open To Flow (2)
91	547.76	110.68	Shut-In(2)
120	1082.61	110.67	End Shut-In(2)
121	1589.72	110.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1640.00	C-G-Oil--20%G--80%oil	21.87
650.00	gas in pipe	9.12

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4–7s–21w Graham KS

Job Ticket: 16402 **DST#: 3**

Test Start: 2002.06.09 @ 13:03:48

Tool Information

Drill Pipe:	Length:	3308.00 ft	Diameter:	3.80 inches	Volume:	46.40 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	125.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:	45000.00 lb
					Total Volume:	47.01 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		30.00 ft					String Weight: Initial	35000.00 lb
Depth to Top Packer:		3423.00 ft					Final	40000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		22.02 ft						
Tool Length:		42.02 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3404.00		
S.I. Tool	5.00			3409.00		
HMV	5.00			3414.00		
Packer	4.00			3418.00	20.00	Bottom Of Top Packer
Packer	5.00			3423.00		
Stubb	1.00			3424.00		
Perforations	3.00			3427.00		
Recorder	0.01	3017	Inside	3427.01		
Perforations	15.00			3442.01		
Recorder	0.01	13308	Outside	3442.02		
Bullnose	3.00			3445.02	22.02	Bottom Packers & Anchor
Total Tool Length:	**42.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4--7s--21w Graham KS

Job Ticket: 16402 **DST#: 3**

Test Start: 2002.06.09 @ 13:03:48

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:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.38 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

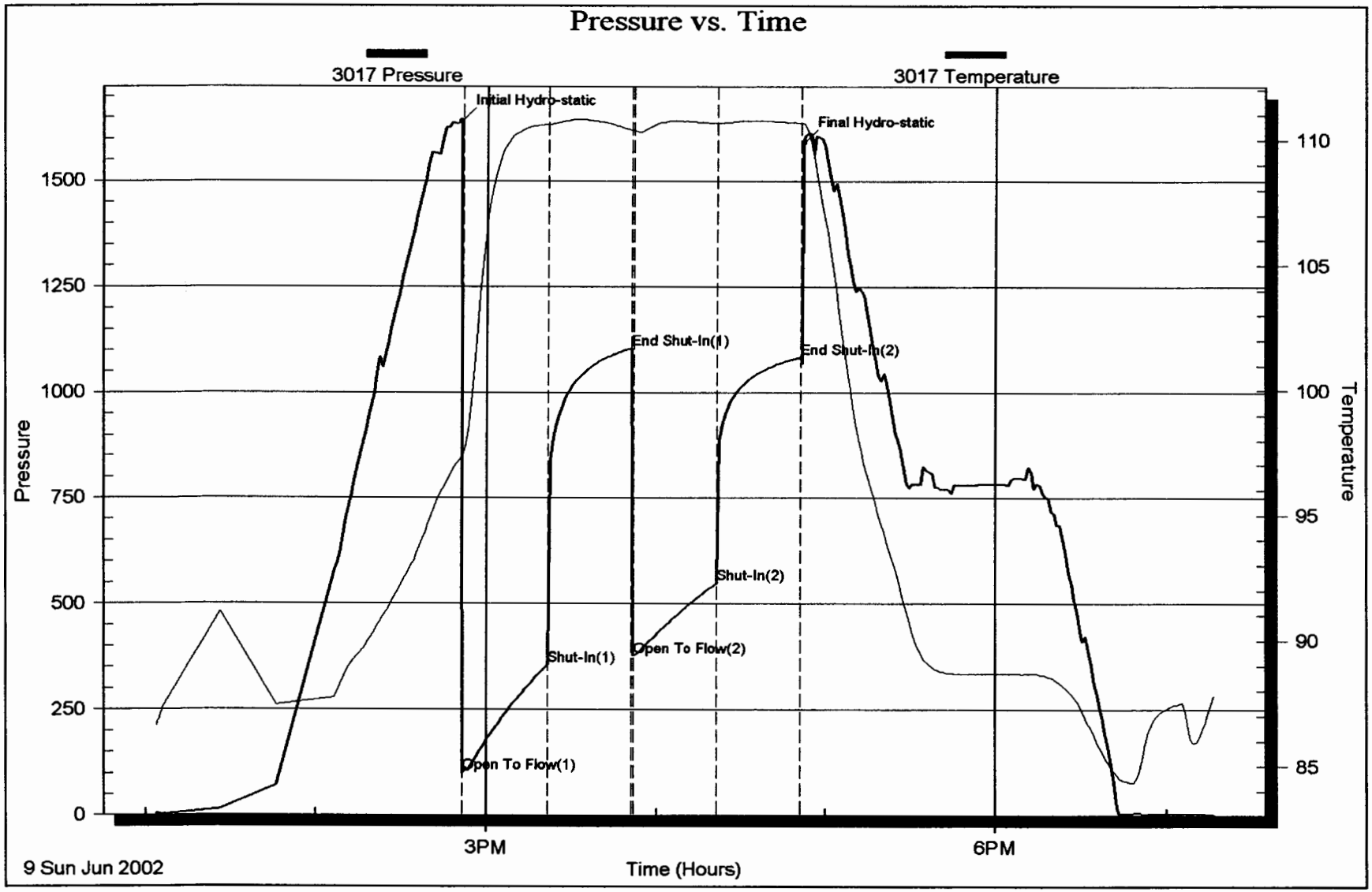
Length ft	Description	Volume bbl
1640.00	C-G-Oil--20%G--80%oil	21.866
650.00	gas in pipe	9.118

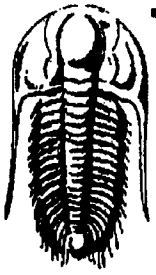
Total Length: 2290.00 ft Total Volume: 30.984 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
3017 Pressure
3017 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
1500
1250
1000
750
500
250
0
110
105
100
95
90
85
3PM
6PM
9 Sun Jun 2002
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy**

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

4--7s--21w Graham KS

Greving # 2

Start Date: 2002.06.10 @ 01:11:16
End Date: 2002.06.10 @ 07:00:16
Job Ticket #: 16403 DST #: 4

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

DRILL STEM TEST REPORT

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4–7s–21w Graham KS

Job Ticket: 16403 **DST#: 4**

Test Start: 2002.06.10 @ 01:11:16

GENERAL INFORMATION:

Formation: **L-Kc.-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:00:16
Time Test Ended: 07:00:16

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18

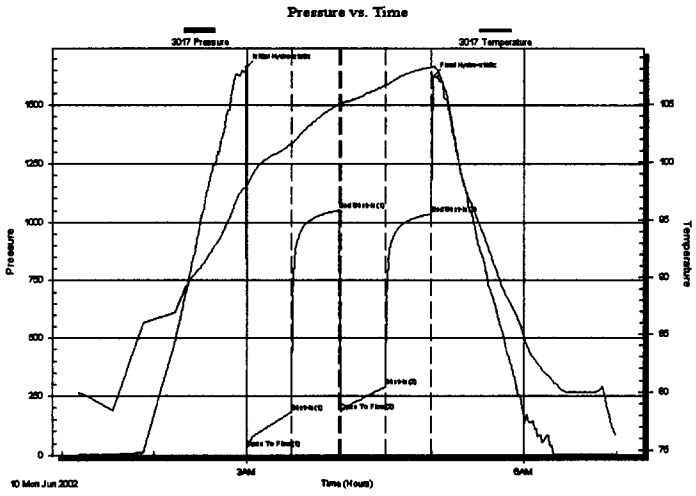
Interval: 3450.00 ft (KB) To 3475.00 ft (KB) (TVD)
Total Depth: 3475.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2186.00 ft (KB)
2181.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3017 **Inside**
Press@RunDepth: 289.09 psig @ 3452.01 ft (KB)
Start Date: 2002.06.10 End Date: 2002.06.10
Start Time: 01:11:17 End Time: 07:00:16

Capacity: 7000.00 psig
Last Calib.: 2002.06.10
Time On Btm: 2002.06.10 @ 02:59:46
Time Off Btm: 2002.06.10 @ 05:00:46

TEST COMMENT: IF-Strong B.O.B.in10 min. ISI--Weak blow back.
FF-Strong B.O.B.in 12 min. FSI--Weak blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1661.98	97.85	Initial Hydro-static
1	29.60	97.95	Open To Flow (1)
30	180.08	101.64	Shut-In(1)
60	1050.53	104.96	End Shut-In(1)
61	185.09	105.06	Open To Flow (2)
91	289.09	106.65	Shut-In(2)
120	1037.01	108.20	End Shut-In(2)
121	1623.31	108.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
585.00	Salt Water	7.07
5.00	Oil	0.07

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4–7s–21w Graham KS

Job Ticket: 16403 **DST#: 4**

Test Start: 2002.06.10 @ 01:11:16

Tool Information

Drill Pipe:	Length:	3308.00 ft	Diameter:	3.80 inches	Volume:	46.40 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	125.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:		46000.00 lb
					Total Volume:	47.01 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		3.00 ft					String Weight:	Initial	36000.00 lb
Depth to Top Packer:		3450.00 ft						Final	38000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		25.02 ft							
Tool Length:		45.02 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3431.00		
S.I. Tool	5.00			3436.00		
HMV	5.00			3441.00		
Packer	4.00			3445.00	20.00	Bottom Of Top Packer
Packer	5.00			3450.00		
Stubb	1.00			3451.00		
Perforations	1.00			3452.00		
Recorder	0.01	3017	Inside	3452.01		
Perforations	20.00			3472.01		
Recorder	0.01	13308	Outside	3472.02		
Bullnose	3.00			3475.02	25.02	Bottom Packers & Anchor
Total Tool Length:	**45.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4–7s–21w Graham KS

Job Ticket: 16403 **DST#: 4**

Test Start: 2002.06.10 @ 01:11:16

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:	70000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2100.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

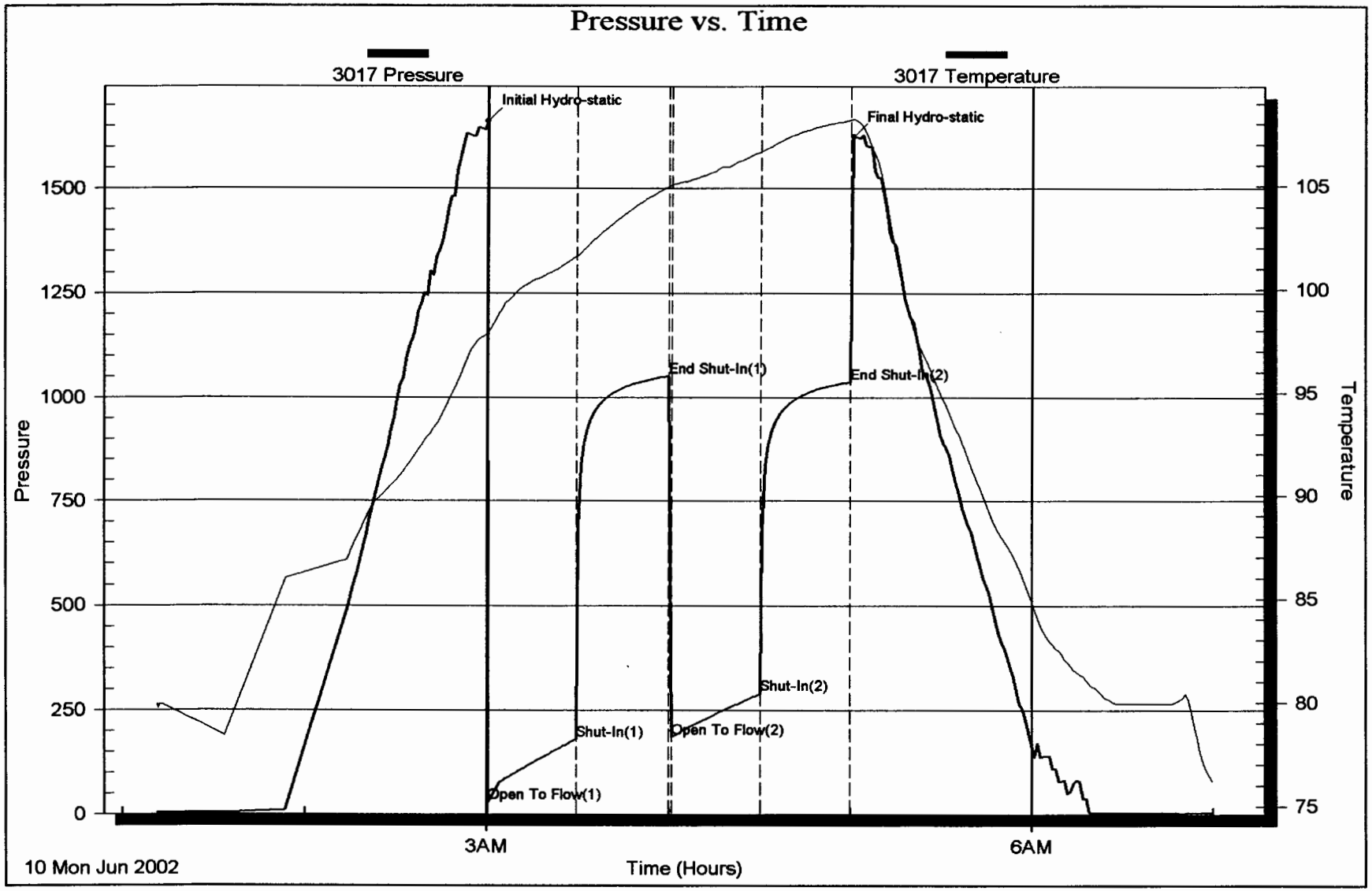
Length ft	Description	Volume bbl
585.00	Salt Water	7.067
5.00	Oil	0.070

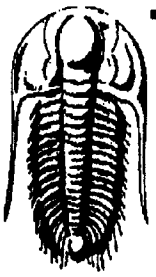
Total Length: 590.00 ft Total Volume: 7.137 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .10@77 degrees F


Pressure vs. Time
3017 Pressure
3017 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
1500
1250
1000
750
500
250
0
105
100
95
90
85
80
75
3AM
6AM
10 Mon Jun 2002
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy**

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

4--7s--21w Graham KS

Greving # 2

Start Date: 2002.06.10 @ 13:34:10
End Date: 2002.06.10 @ 19:32:10
Job Ticket #: 16404 DST #: 5

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

DRILL STEM TEST REPORT

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4--7s--21w Graham KS

Job Ticket: 16404 **DST#: 5**

Test Start: 2002.06.10 @ 13:34:10

GENERAL INFORMATION:

Formation: **L-Kc.-E&F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:56:10
Time Test Ended: 19:32:10

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18

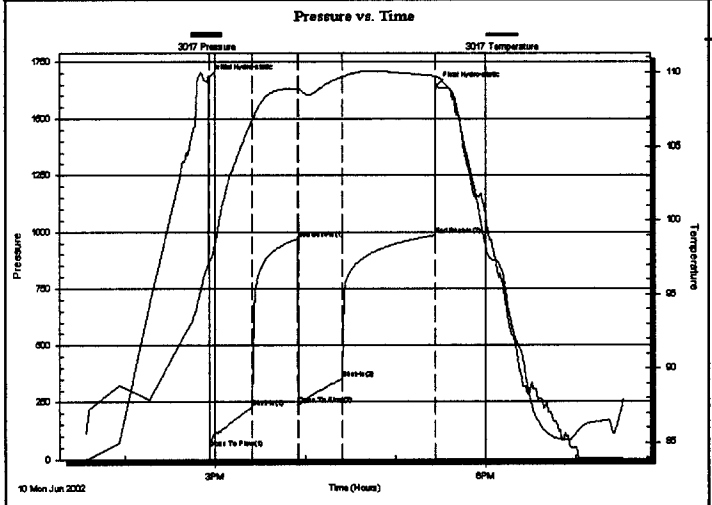
Interval: 3475.00 ft (KB) To 3520.00 ft (KB) (TVD)
Total Depth: 3520.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2186.00 ft (KB)
2181.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3017 **Inside**
Press@RunDepth: 355.58 psig @ 3478.01 ft (KB)
Start Date: 2002.06.10 End Date: 2002.06.10
Start Time: 13:34:11 End Time: 19:32:10

Capacity: 7000.00 psig
Last Calib.: 2002.06.10
Time On Btm: 2002.06.10 @ 14:55:40
Time Off Btm: 2002.06.10 @ 17:27:10

TEST COMMENT: IF-Strong B.O.B.in 6 min. ISI-Good 2" blow back
FF-Strong B.O.B. in 6 min. FSI-Good 3 1/2" blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1678.44	97.06	Initial Hydro-static
1	50.17	97.21	Open To Flow (1)
29	227.37	106.75	Shut-In(1)
59	967.88	108.87	End Shut-In(1)
60	240.17	108.87	Open To Flow (2)
89	355.58	109.67	Shut-In(2)
151	984.78	109.73	End Shut-In(2)
152	1645.12	109.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
455.00	salt water	5.24
220.00	O-W-C-M--20%oil 30%wat.50%mud	3.09
100.00	C-G-O--15%gas--85%oil	1.40
200.00	gas in pipe	2.81

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4–7s–21w Graham KS

Job Ticket: 16404 **DST#: 5**

Test Start: 2002.06.10 @ 13:34:10

Tool Information

Drill Pipe:	Length:	3343.00 ft	Diameter:	3.80 inches	Volume:	46.89 bbl	Tool Weight:		3000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	125.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:		45000.00 lb
					Total Volume:	47.50 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		13.00 ft					String Weight:	Initial	36000.00 lb
Depth to Top Packer:		3475.00 ft						Final	40000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		45.02 ft							
Tool Length:		65.02 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3456.00		
S.I. Tool	5.00			3461.00		
HMV	5.00			3466.00		
Packer	4.00			3470.00	20.00	Bottom Of Top Packer
Packer	5.00			3475.00		
Stubb	1.00			3476.00		
Perforations	1.00			3477.00		
C.O. Sub	1.00			3478.00		
Recorder	0.01	3017	Inside	3478.01		
Blank Spacing	31.00			3509.01		
C.O. Sub	1.00			3510.01		
Perforations	7.00			3517.01		
Recorder	0.01	13308	Outside	3517.02		
Bullnose	3.00			3520.02	45.02	Bottom Packers & Anchor
Total Tool Length:	**65.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy

P.O. Drawer 150
Bogue, KS 67625

ATTN: Mike Davignon

Greving # 2

4–7s–21w Graham KS

Job Ticket: 16404 **DST#: 5**

Test Start: 2002.06.10 @ 13:34:10

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	36 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	67000 ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3200.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

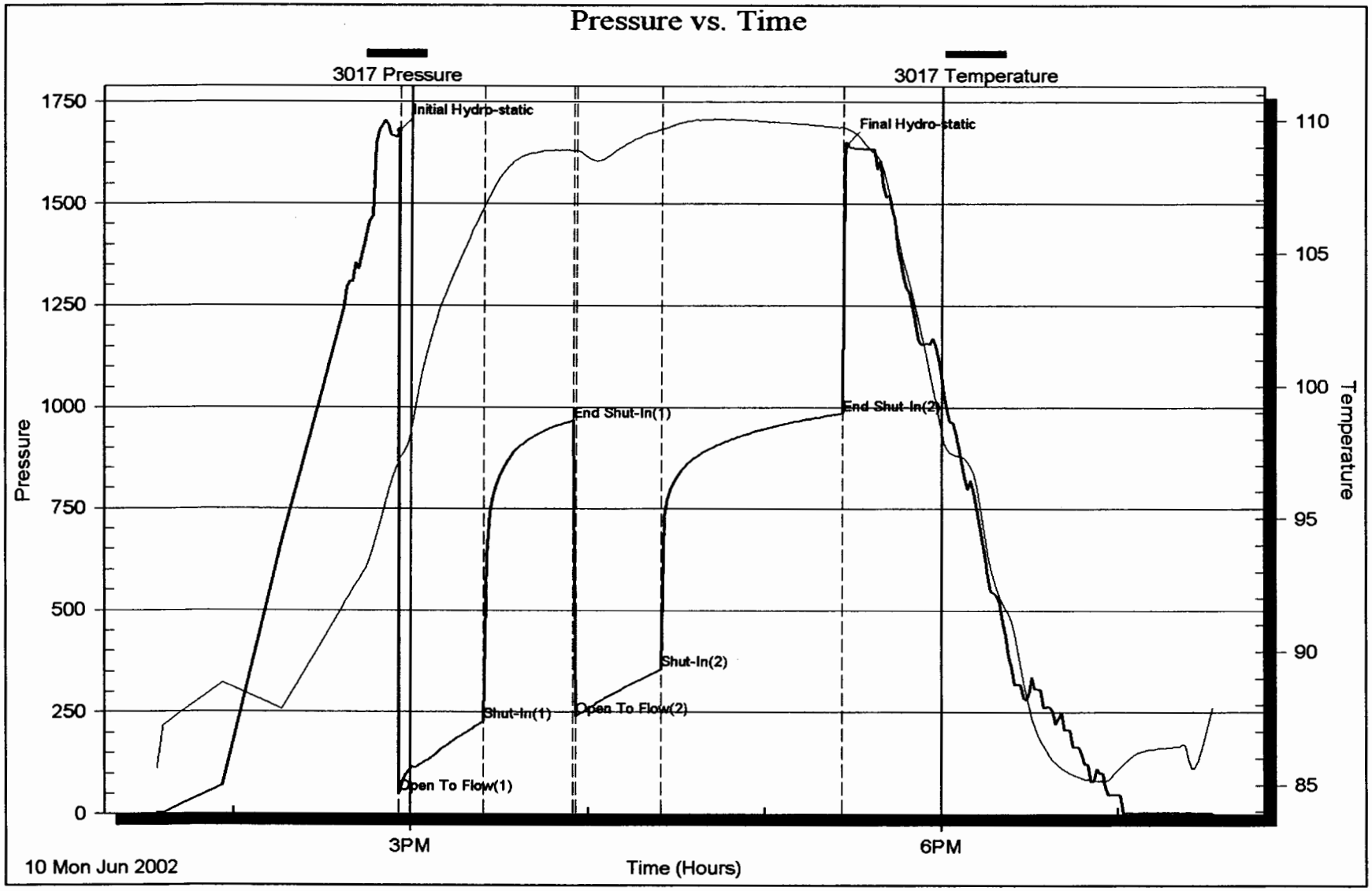
Length ft	Description	Volume bbl
455.00	salt water	5.244
220.00	O-W-C-M--20%oil 30%wat.50%mud	3.086
100.00	C-G-O--15%gas--85%oil	1.403
200.00	gas in pipe	2.805

Total Length: 975.00 ft Total Volume: 12.538 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .08@100 degrees F


Pressure vs. Time
3017 Pressure
3017 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Shut-In(1)
Open To Flow(2)
Open To Flow(1)
Pressure
Temperature
Time (Hours)
3PM
6PM
10 Mon Jun 2002
1750
1500
1250
1000
750
500
250
0
110
105
100
95
90
85

TRILOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601

№ 15825

Test Ticket

Well Name & No. GREVING #2 Test No. #1 Date 6-8-02
Company GREAT EASTERN ENERGY Zone Tested TOPEKA
Address P.O. DRAWER 150 BOGUE, KS 67625 Elevation 2186 KB ~~2200~~ 2181 GL
Co. Rep / Geo. MIKE DAVIGNON Cont. MURFIN #8 Est. Ft. of Pay ___ Por. ___ %
Location: Sec. 4 Twp. 7S Rge. 21W Co. GRAHAM State KS
No. of Copies ___ Distribution Sheet (Y, N) ___ Turnkey (Y, N) ___ Evaluation (Y, N) ___

Interval Tested 3340 To 3360 Initial Str Wt./Lbs. 34,000 Unseated Str Wt./Lbs. 36,000
Anchor Length 20' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 48,000
Top Packer Depth 3335 Tool Weight 2,000
Bottom Packer Depth 3340 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
Total Depth 3360 Wt. Pipe Run — Drill Collar Run 125
Mud Wt. 8.8 LCM — Vis. 52 WL 6.4 Drill Pipe Size 4½ XH Ft. Run 3213
Blow Description I.F. - FAIR BUILT TO 9" IN. ISI. - WEAK BLOW BACK
F.F. - FAIR BUILT TO 8" IN. FSI. - NO BLOW

Recovery — Total Feet 330' GIP ___ Ft. in DC 125 Ft. in DP 105
Rec. 85 Feet Of CGO 40 %gas 60 %oil ___ %water ___ %mud
Rec. 110' Feet Of MCOW ___ %gas 20 %oil 65 %water 15 %mud
Rec. 135 Feet Of C.W. ___ %gas ~~___~~ %oil 100 %water ___ %mud
Rec. ___ Feet Of ___ %gas ___ %oil ___ %water ___ %mud
Rec. ___ Feet Of ___ %gas ___ %oil ___ %water ___ %mud

BHT 106 °F Gravity 24 °API D@ 100 °F Corrected Gravity 20 °API
RW .08 @ 100 °F Chlorides 66,000 ppm Recovery Chlorides 1600 ppm System

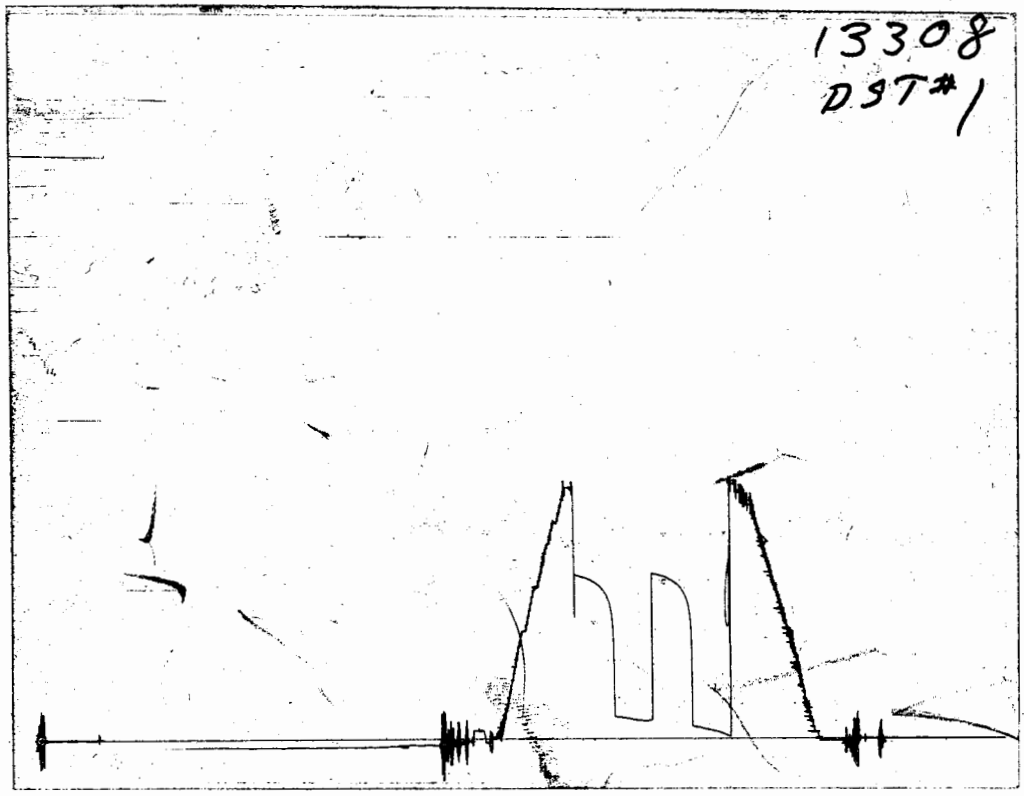
	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1580	PSI	Recorder No. 3017	T-On Location	09:30 8
(B) First Initial Flow Pressure		24	PSI	(depth) 3342	T-Started	11:05
(C) First Final Flow Pressure		103	PSI	Recorder No. 13308	T-Open	12:52 7:04
(D) Initial Shut-In Pressure		1047	PSI	(depth) 3357	T-Pulled	14:52
(E) Second Initial Flow Pressure		104	PSI	Recorder No. ___	T-Out	16:34
(F) Second Final Flow Pressure		146	PSI	(depth) ___	T-Off Location	17:30
(G) Final Shut-in Pressure		1035	PSI	Initial Opening 30	Test	BOTTOM HOLE
(Q) Final Hydrostatic Mud		1554	PSI	Initial Shut-in 30	Jars	700
				Final Flow 30	Safety Joint	___
				Final Shut-in 30	Straddle	___
				___	Circ. Sub	___
				___	Sampler	___
					Extra Packer	___
					Elec. Rec.	✓ 150
					Mileage	60
					Other	___
					TOTAL PRICE $	910

Approved By [signature]

Our Representative John J. Schmitt

CHART PAGE

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



TRILOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601

№ 16401

Test Ticket

Well Name & No. GREVING #2 Test No. #2 Date 6-9-02
Company GREAT EASTERN ENERGY Zone Tested TORONTO
Address P.O. DRAWER 150 BOGUE, KS 67625 Elevation 2186 KB 2181 GL
Co. Rep / Geo. MIKE DAVIGNON Cont. MURFIN #8 Est. Ft. of Pay ___ Por. ___ %
Location: Sec. 4 Twp. 7S Rge. 21W Co. GRAHAM State KS.
No. of Copies ___ Distribution Sheet (Y, N) ___ Turnkey (Y, N) ___ Evaluation (Y, N) ___

Interval Tested 3390 To 3425 Initial Str Wt./Lbs. 34,000 Unseated Str Wt./Lbs. 40,000
Anchor Length 35' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 45,000
Top Packer Depth 3385 Tool Weight 2,500
Bottom Packer Depth 3390 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
Total Depth 3425 Wt. Pipe Run — Drill Collar Run 125'
Mud Wt. 8.8 LCM — Vis. 52 WL 6.4 Drill Pipe Size 4½ XH Ft. Run 3248'
Blow Description I.F. - STRONG B.O.B. IN 1-MIN. ISI. GOOD BLOW BUILT 5" IN.
F.F. - STRONG B.O.B. IN 1-MIN. FSI. - GOOD BLOW BUILT 5", IN

Recovery — Total Feet 1685 GIP 620' Ft. in DC 125 Ft. in DP 1560
Rec. 1685 Feet Of G-OIL 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
Rec. ___ Feet Of ___ %gas %oil %water %mud
BHT 109 °F Gravity 32 °API D@ 80 °F Corrected Gravity 30 °API
RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 1600 ppm System

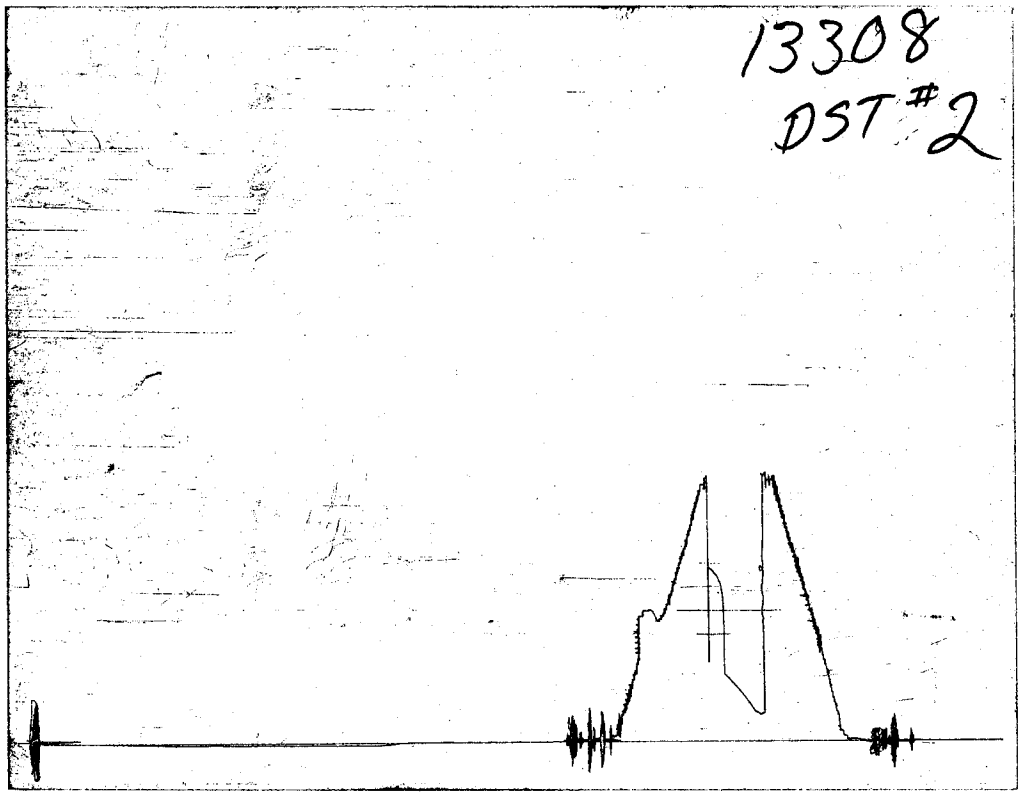
	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1624	PSI	Recorder No.	3017	T-On Location 23:30 8:15
(B) First Initial Flow Pressure		129	PSI	(depth)	3394	T-Started 00:23
(C) First Final Flow Pressure		426	PSI	Recorder No.	13308	T-Open 02:08 1:39
(D) Initial Shut-In Pressure		1127	PSI	(depth)	3422	T-Pulled 04:08
(E) Second Initial Flow Pressure		449	PSI	Recorder No.		T-Out 07:09
(F) Second Final Flow Pressure		646	PSI	(depth)		T-Off Location 07:45
(G) Final Shut-in Pressure		1092	PSI	Initial Opening	30	Test BOTTOM HOLE
(Q) Final Hydrostatic Mud		1570	PSI	Initial Shut-in	30	Jars 700
				Final Flow	30	Safety Joint
				Final Shut-in	30	Straddle
						Circ. Sub ✓ 35
						Sampler
						Extra Packer
						Elec. Rec. ✓ 150
						Mileage 60
						Other
						TOTAL PRICE $ 945

Approved By ___

Our Representative John J. Schmidt

CHART PAGE

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



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 16402

Test Ticket

Well Name & No. GREVING #2 Test No. #3 Date 6-09-02

Company GREAT EASTERN ENERGY Zone Tested L-KC.- A

Address P.O. DRAWER 150 ROGUE, KS 67625 Elevation 2186 KB 2181 GL

Co. Rep / Geo. MIKE DAVIGNON Cont. MURFIN #8 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 4 Twp. 7S Rge. 21W Co. _____ State _____

No. of Copies ____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3423 To 3445 Initial Str Wt./Lbs. 35,000 Unseated Str Wt./Lbs. 40,000

Anchor Length 22' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 45,000

Top Packer Depth 3418 Tool Weight 2,000

Bottom Packer Depth 3423 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 3445 Wt. Pipe Run — Drill Collar Run 125

Mud Wt. 8.8 LCM — Vis. 48 WL 6.4 Drill Pipe Size 4½ XH Ft. Run 3308

Blow Description F.F.- STRONG B.O.B. 1-MIN. ISI. GOOD-BUILT TO 8" IN F.F.-STRONG B.O.B. 1-MIN. FSI.- GOOD-BUILT TO 7"IN.

Recovery — Total Feet 1640' GIP 650 Ft. in DC 125' Ft. in DP 1515

Rec. 1640'	Feet Of C.G.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 110 °F Gravity 37 °API D@ 90 °F Corrected Gravity 34 °API

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

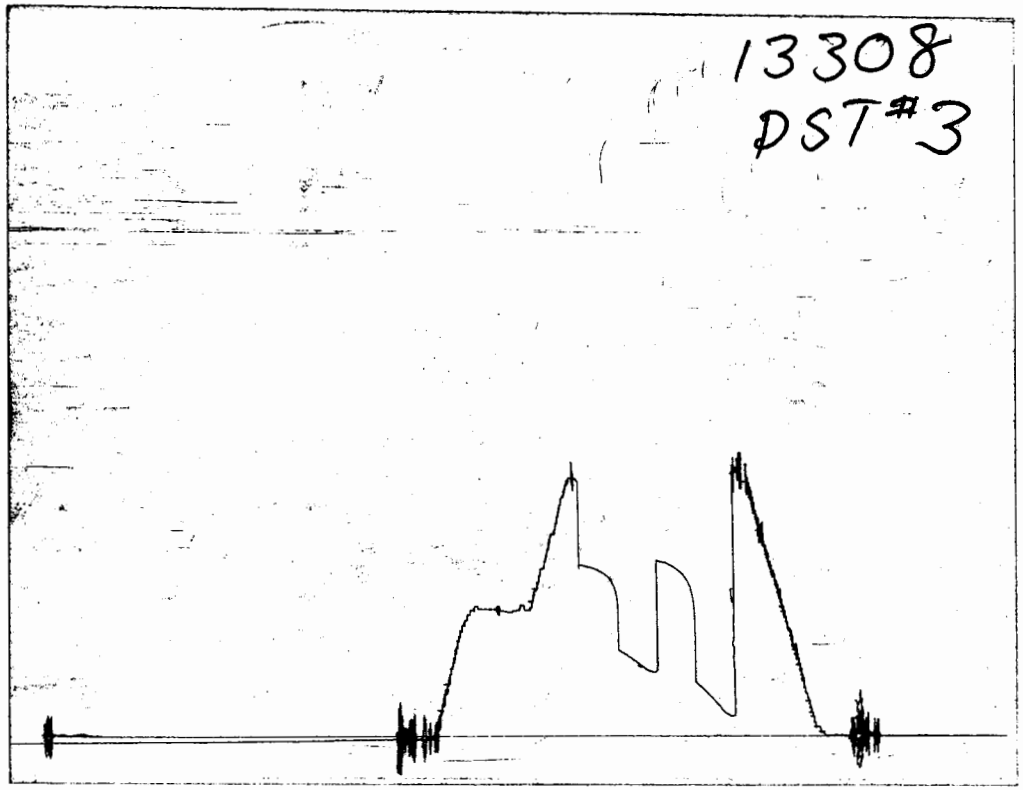
	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1640	PSI	Recorder No. 3017	T-On Location 12:50	6:55
(B) First Initial Flow Pressure		101	PSI	(depth) 3427	T-Started 13:04	
(C) First Final Flow Pressure		355	PSI	Recorder No. 13308	T-Open 14:52	6:26
(D) Initial Shut-In Pressure		1104	PSI	(depth) 3442	T-Pulled 16:52	
(E) Second Initial Flow Pressure		376	PSI	Recorder No.	T-Out 19:16	
(F) Second Final Flow Pressure		547	PSI	(depth)	T-Off Location 19:45	
(G) Final Shut-in Pressure		1082	PSI	Initial Opening 30	Test BOTTOM HOLE 700	
(Q) Final Hydrostatic Mud		1589	PSI	Initial Shut-in 30	Jars	
				Final Flow 30	Safety Joint	
				Final Shut-in 30	Straddle	
					Circ. Sub ✓ 35	
					Sampler	
					Extra Packer	
					Elec. Rec. ✓ 150	
					Mileage 60	
					Other	
					TOTAL PRICE $ 945	

Approved By _____

Our Representative John J Schmidt

CHART PAGE

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



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 16403

Test Ticket

Well Name & No. GREVING #2 Test No. #4 Date 6-10-02

Company GREAT EASTERN ENERGY Zone Tested L-KC, -C

Address P.O. DRAWER 150 BOGUE, KS. 67625 Elevation 2186 KB 2181 GL

Co. Rep / Geo. MIKE DAVIGNON Cont. MURFIN #8 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 4 Twp. 7S Rge. 21W Co. GRAHAM State KS.

No. of Copies ____ Distribution Sheet (Y, N) ____ Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 3450 To 3475 Initial Str Wt./Lbs. 36,000 Unseated Str Wt./Lbs. 38,000

Anchor Length 25' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 46,000

Top Packer Depth 3445 Tool Weight 2,000

Bottom Packer Depth 3450 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 3475 Wt. Pipe Run — Drill Collar Run 125

Mud Wt. 8.9 LCM — Vis. 50 WL 6.4 Drill Pipe Size 4½ XH Ft. Run 3308

Blow Description I.F. - STRONG B.O.B. IN 10 min. I.S.I. - WEAK BLOW BACK

F.F. - STRONG B.O.B. IN 12 MIN. F.S.I. - WEAK BLOW BACK

Recovery — Total Feet 590 GIP — Ft. in DC 125 Ft. in DP 465

Rec. 5	Feet Of OIL	%gas	%oil	%water	%mud	
Rec. 585	Feet Of SALT WATER	%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 ____ °API

RW .10 @ 77 °F Chlorides 70,000 ppm Recovery Chlorides 2,100 ppm System

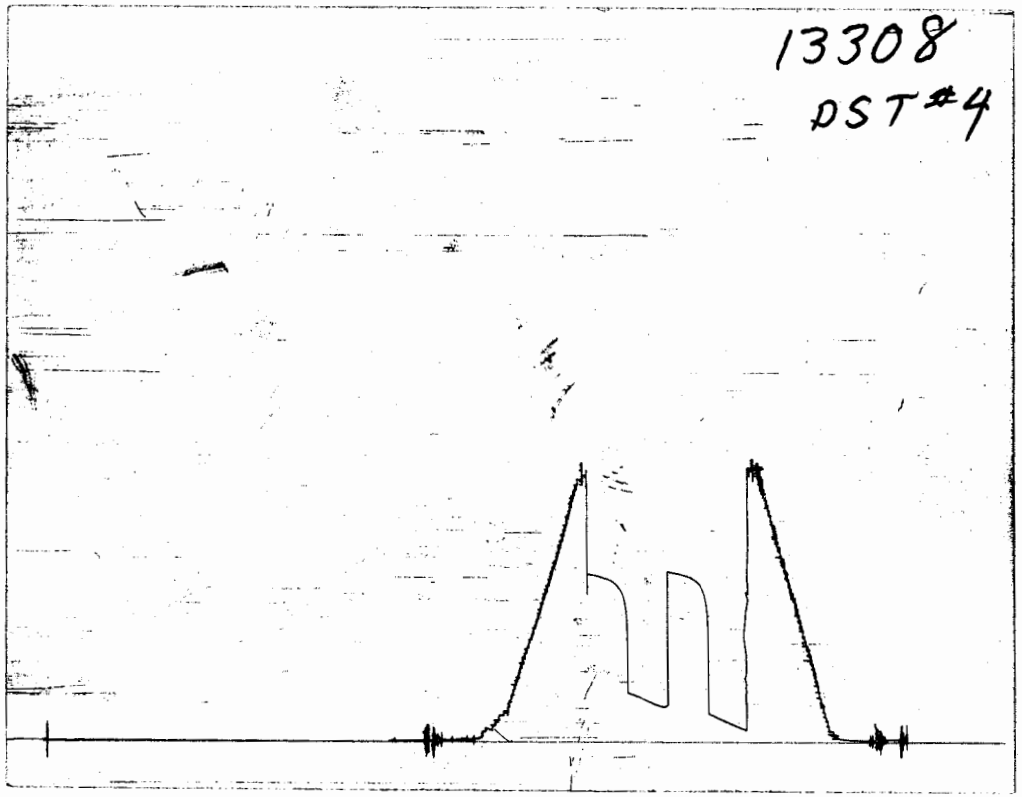
	AK-1	Alpine					
(A) Initial Hydrostatic Mud		1644	PSI	Recorder No.	3017	T-On Location	00:45 (6:45)
(B) First Initial Flow Pressure		29	PSI	(depth)	3452	T-Started	01:11
(C) First Final Flow Pressure		180	PSI	Recorder No.	13308	T-Open	03:00 (6:15)
(D) Initial Shut-In Pressure		1050	PSI	(depth)	3472	T-Pulled	05:00
(E) Second Initial Flow Pressure		185	PSI	Recorder No.		T-Out	07:00
(F) Second Final Flow Pressure		289	PSI	(depth)		T-Off Location	07:30
(G) Final Shut-in Pressure		1037	PSI	Initial Opening	30	Test	BOTTOM HOLE 700
(Q) Final Hydrostatic Mud		1623	PSI	Initial Shut-in	30	Jars	
				Final Flow	30	Safety Joint	
				Final Shut-in	30	Straddle	
						Circ. Sub	
						Sampler	
						Extra Packer	
						Elec. Rec.	✓ 150
						Mileage	60
						Other	
						TOTAL PRICE $	910

Approved By ____

Our Representative John J. Schmidt

CHART PAGE

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



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 16404

Test Ticket

Well Name & No. GREVING #2 Test No. #5 Date 6-10-02

Company GREAT EASTERN ENERGY Zone Tested L-KC. - E+F

Address P.O. DRAWER 150 BOGUE, KS. 67625 Elevation 2186 KB 2181 GL

Co. Rep / Geo. MIKE DAVIGNON Cont. MURFIN #8 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 4 Twp. 7S Rge. 21W Co. GRAHAM State KS

No. of Copies ___ Distribution Sheet (Y, N) ___ Turnkey (Y, N) ___ Evaluation (Y, N) ___

Interval Tested 3475 To 3520 Initial Str Wt./Lbs. 36,000 Unseated Str Wt./Lbs. 40,000

Anchor Length 45' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 45,000

Top Packer Depth 3470 Tool Weight 3,000

Bottom Packer Depth 3475 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 3520 Wt. Pipe Run — Drill Collar Run 125'

Mud Wt. 8.9 LCM — Vis. 46 WL 6.8 Drill Pipe Size 4½ XH Ft. Run 3343

Blow Description IF.-STRONG B.O.B IN 6 min. FSI. GOOD 2" BLOW BACK

FF.-STRONG B.O.B IN 6 min. FSI-GOOD 3½" BLOW BACK

Recovery — Total Feet 775 GIP 200' Ft. in DC 125 Ft. in DP 650

Rec. 100'	Feet Of	C.G.O.	15 %gas	85 %oil		%water		%mud
Rec. 220'	Feet Of	OWCM	%gas	20 %oil	30	%water	50	%mud
Rec. 455	Feet Of	SALT WATER	%gas	%oil	100	%water		%mud
Rec.	Feet Of		%gas	%oil		%water		%mud
Rec.	Feet Of		%gas	%oil		%water		%mud

BHT 109 °F Gravity 39 °API D@ 90 °F Corrected Gravity 36 °API

RW .08 @ 100 °F Chlorides 67,000 ppm Recovery Chlorides 3,200 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1685 PSI	Recorder No.	3017	T-On Location	13:15 7:15
(B) First Initial Flow Pressure		50 PSI	(depth)	3478	T-Started	13:34
(C) First Final Flow Pressure		227 PSI	Recorder No.	13308	T-Open	14:55 6:17
(D) Initial Shut-In Pressure		967 PSI	(depth)	~~3472~~ 3517	T-Pulled	17:27
(E) Second Initial Flow Pressure		240 PSI	Recorder No.		T-Out	19:32
(F) Second Final Flow Pressure		355 PSI	(depth)		T-Off Location	20:30
(G) Final Shut-in Pressure		984 PSI	Initial Opening	30	Test	BOTTOM HOLE 700
(Q) Final Hydrostatic Mud		1645 PSI	Initial Shut-in	30	Jars	
			Final Flow	30	Safety Joint	
			Final Shut-in	60	Straddle	
					Circ. Sub	
					Sampler	
					Extra Packer	
					Elec. Rec.	✓ 150
					Mileage	60
					Other	
					TOTAL PRICE $	910

Approved By ___

Our Representative John J. Schmidt

CHART PAGE

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