

DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy Development**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

10-7S-21w Graham Ks

Billips Brothers "B"#1

Start Date: 2002.05.31 @ 10:50:36

End Date: 2002.05.31 @ 16:47:35

Job Ticket #: 16027 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Great Eastern Energy Development

PO Box 150
Bogue KS 67625

ATTN: Mike Devignon

Billips Brothers "B" #1

10-7S-21w Graham Ks

Job Ticket: 16027

DST#: 1

Test Start: 2002.05.31 @ 10:50:36

GENERAL INFORMATION:

Formation: **Topeka**

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

Time Tool Opened: 12:55:05

Time Test Ended: 16:47:35

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3317.00 ft (KB) To 3333.00 ft (KB) (TVD)**

Total Depth: **3333.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2171.00 ft (KB)**

2166.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 3024 **Inside**

Press@RunDepth: **175.95 psig @ 3318.01 ft (KB)**

Start Date: **2002.05.31**

End Date:

2002.05.31

Start Time: **10:50:36**

End Time:

16:47:35

Capacity: **7000.00 psig**

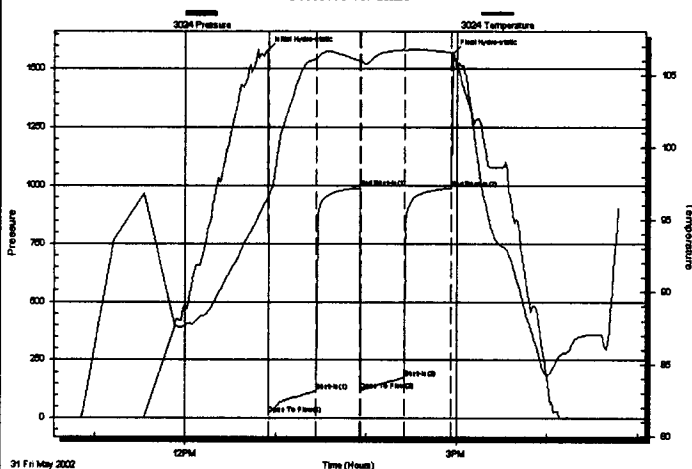
Last Calib.: **2002.06.01**

Time On Btrr: **2002.05.31 @ 12:54:35**

Time Off Btrr: **2002.05.31 @ 14:57:05**

TEST COMMENT: FFP-weak to good blow 1/4" to 7" blow
FFP-weak blow thru-out 1/4" to 3" blow
times 30-30-30-30
no blow on shut-in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1578.25	96.52	Initial Hydro-static
1	18.61	96.65	Open To Flow (1)
32	118.03	106.14	Shut-In (1)
61	989.99	105.98	End Shut-In (1)
62	119.43	105.97	Open To Flow (2)
91	175.95	106.73	Shut-In (2)
122	988.79	106.53	End Shut-In (2)
123	1566.34	106.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	water	1.43
170.00	SOCMW 1%oil 30%mud 69%water	2.38
5.00	oil	0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy Development

Billips Brothers "B" #1

PO Box 150
Bogue KS 67625

10-7S-21w Graham Ks

Job Ticket: 16027

DST#: 1

ATTN: Mike Davignon

Test Start: 2002.05.31 @ 10:50:36

Tool Information

Drill Pipe:	Length: 3185.00 ft	Diameter: 3.80 inches	Volume: 44.68 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 45.27 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3317.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.02 ft			
Tool Length:	37.02 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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C.O. Sub	1.00			3297.00	
S.I. Tool	5.00			3302.00	
HMV	5.00			3307.00	
Packer	5.00			3312.00	21.00 Bottom Of Top Packer
Packer	5.00			3317.00	
Stubb	1.00			3318.00	
Recorder	0.01	3024	Inside	3318.01	
Perforations	12.00			3330.01	
Recorder	0.01	11085	Outside	3330.02	
Bullnose	3.00			3333.02	16.02 Bottom Packers & Anchor
Total Tool Length:	37.02				



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy Development

Billips Brothers "B" #1

PO Box 150
Bogue KS 67625

10-7S-21w Graham Ks

Job Ticket: 16027

DST#: 1

ATTN: Mike Davignon

Test Start: 2002.05.31 @ 10:50:36

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:

100000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	water	1.432
170.00	SOCMW 1%oil 30%mud 69%w ater	2.385
5.00	oil	0.070

Total Length: 355.00 ft

Total Volume: 3.887 bbl

Num Fluid Samples: 0

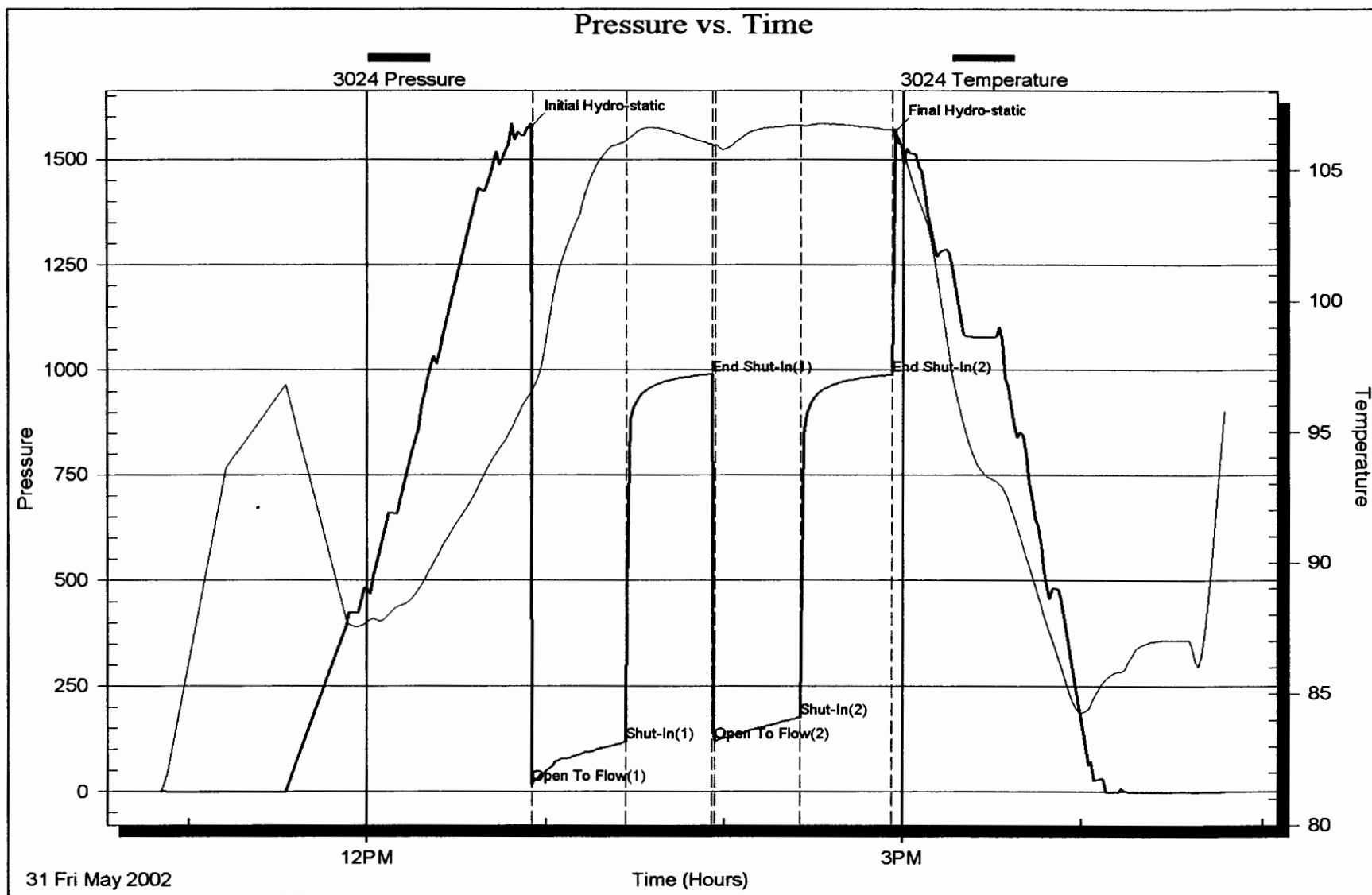
Num Gas Bombs: 0

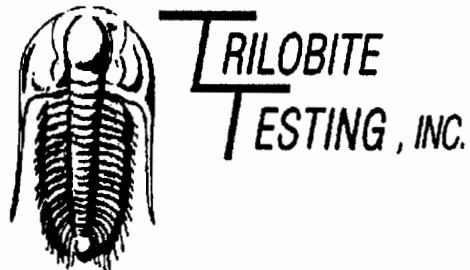
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .07@77 degrees F





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy Development**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

10-7S-21w Graham Ks

Billips Brothers "B"#1

Start Date: 2002.06.01 @ 02:13:57

End Date: 2002.06.01 @ 09:33:56

Job Ticket #: 16028 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

Great Eastern Energy Development

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

Billips Brothers "B" #1

10-7S-21w Graham Ks

Job Ticket: 16028

DST#: 2

Test Start: 2002.06.01 @ 02:13:57

GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 04:14:56

Time Test Ended: 09:33:56

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3363.00 ft (KB) To 3420.00 ft (KB) (TVD)**

Total Depth: **3420.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2171.00 ft (KB)**

2166.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 3024

Inside

Press@RunDepth: **977.88 psig @ 3364.01 ft (KB)**

Start Date: **2002.06.01**

End Date:

2002.06.01

Start Time: **02:13:57**

End Time:

09:33:56

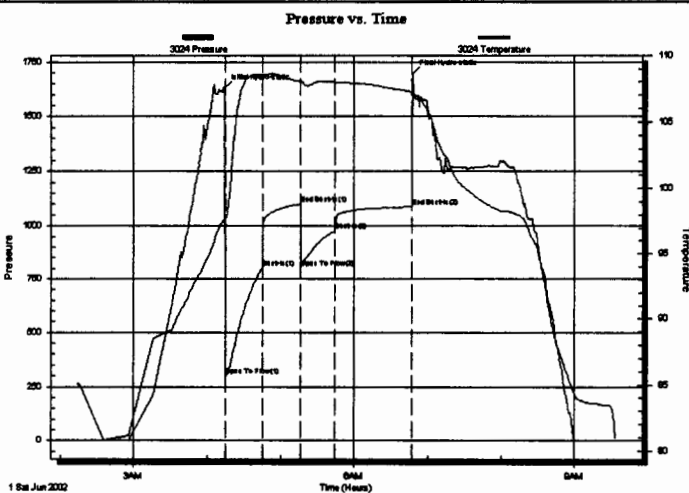
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2002.06.01 @ 04:14:26**

Time Off Btm: **2002.06.01 @ 06:47:56**

TEST COMMENT: **F--strong blow throughout**
FF- Strong blow throughout GTS 22 min
Strong blow on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1631.85	97.70	Initial Hydro-static
1	300.56	97.77	Open To Flow (1)
31	804.04	108.54	Shut-in(1)
62	1100.42	108.05	End Shut-in(1)
62	803.44	108.04	Open To Flow (2)
90	977.88	108.00	Shut-in(2)
153	1087.93	107.22	End Shut-in(2)
154	1696.45	107.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gassy mud cut oil 10%G 55%O 35%M	0.59
2550.00	clean oil	35.77
		0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy Development

Billips Brothers "B" #1

PO Box 150
Bogue KS 67625

10-7S-21w Graham Ks

Job Ticket: 16028

DST#: 2

ATTN: Mike Davignon

Test Start: 2002.06.01 @ 02:13:57

Tool Information

Drill Pipe:	Length: 3252.00 ft	Diameter: 3.80 inches	Volume: 45.62 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 46.21 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3363.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.02 ft				
Tool Length:	37.02 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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C.O. Sub	1.00			3343.00	
S.I. Tool	5.00			3348.00	
HMV	5.00			3353.00	
Packer	5.00			3358.00	21.00 Bottom Of Top Packer
Packer	5.00			3363.00	
Stubb	1.00			3364.00	
Recorder	0.01	3024	Inside	3364.01	
Perforations	12.00			3376.01	
Recorder	0.01	11085	Outside	3376.02	
Bullnose	3.00			3379.02	16.02 Bottom Packers & Anchor
Total Tool Length:	37.02				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy Development

Billips Brothers "B" #1

PO Box 150
Bogue KS 67625

10-7S-21w Graham Ks

Job Ticket: 16028 **DST#: 2**

ATTN: Mike Davignon

Test Start: 2002.06.01 @ 02:13:57

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: ppm

Viscosity: 48.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gassy mud cut oil 10%G 55%O 35%M	0.590
2550.00	clean oil	35.770
		0.070

Total Length: 2670.00 ft Total Volume: 36.430 bbl

Num Fluid Samples: 0

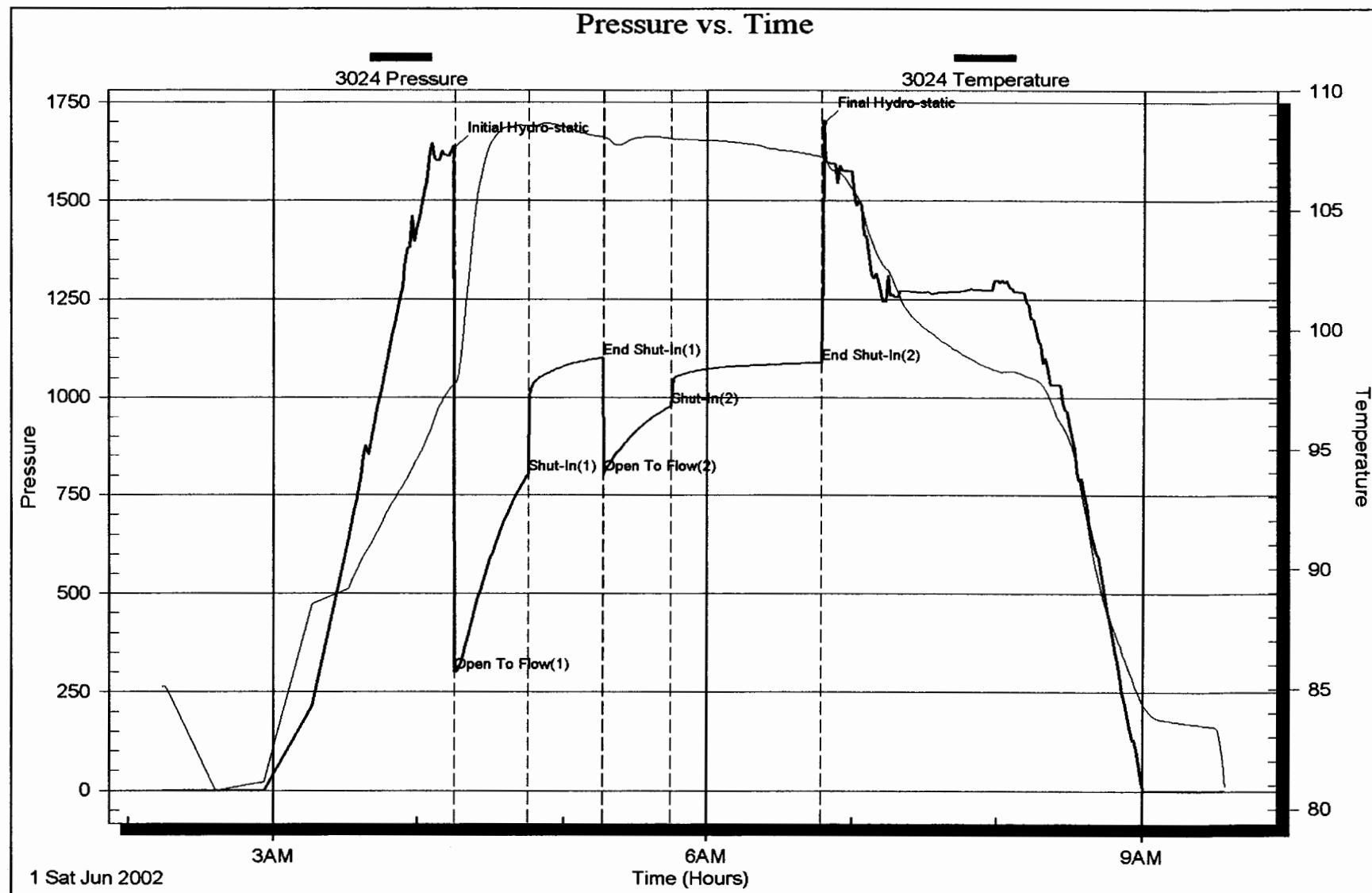
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



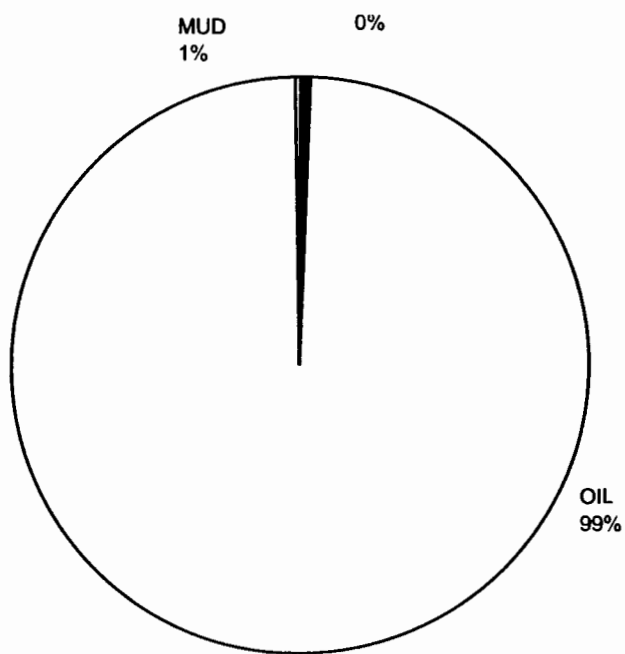
CALCULATED RECOVERY ANALYSIS

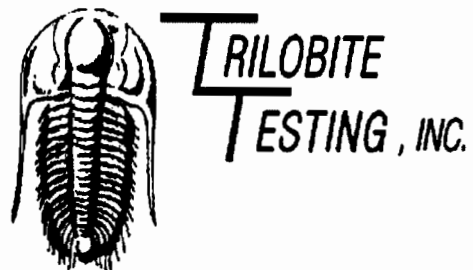
DST 2

TICKET 16028

SAMPLE #		TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
DRILL	1	2550	0	0	100	2550	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0
WEIGHT	1									
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	120	10	12	55	66	0	0	35	42
COLLARS	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		2670	0	12	0	2616	0	0	0	42

BBL OIL = 36.58374 * HRS OPEN 0.33 = BBL/DAY 2660.636
 BBL WATER = 0 * = 0
 BBL MUD = 0.20538
 BBL GAS = 0.05868





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy Development**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

10-7S-21w Graham Ks

Billips Brothers "B"#1

Start Date: 2002.06.01 @ 15:41:21

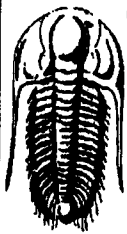
End Date: 2002.06.01 @ 21:56:51

Job Ticket #: 16029 DST #: 3

Trilobite Testing, Inc

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Great Eastern Energy Development

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

Billips Brothers "B" #1

10-7S-21w Graham Ks

Job Ticket: 16029

DST#: 3

Test Start: 2002.06.01 @ 15:41:21

GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 17:35:21

Time Test Ended: 21:56:51

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3425.00 ft (KB) To 3450.00 ft (KB) (TVD)**

Total Depth: **3450.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2171.00 ft (KB)**

2166.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 3024 Inside

Press@RunDepth: **254.09 psig @ 3426.01 ft (KB)**

Start Date: **2002.06.01**

End Date:

2002.06.01

Start Time: **15:41:22**

End Time:

21:56:51

Capacity: **7000.00 psig**

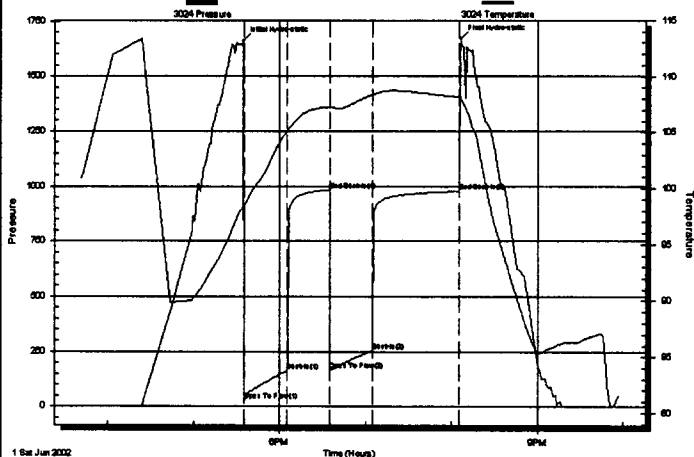
Last Calib.: **2002.06.04**

Time On Btm: **2002.06.01 @ 17:34:51**

Time Off Btm: **2002.06.01 @ 20:06:21**

TEST COMMENT: IFP - Weak to strong in 12 min.
FFP - Weak to a good blow 1/2" to 8" blow
Weak surface blow on shut-in

Pressure vs. Time



PRESSURE SUMMARY

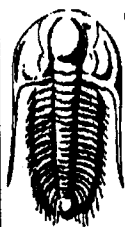
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1660.79	98.38	Initial Hydro-static
1	25.18	98.50	Open To Flow (1)
31	162.99	105.13	Shut-In (1)
60	982.32	107.26	End Shut-In (1)
61	167.17	107.27	Open To Flow (2)
90	254.09	108.37	Shut-In (2)
151	976.41	108.18	End Shut-In (2)
152	1670.56	108.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	SOCW 1%oil 99%water RW.07@88F	1.43
120.00	O&GCMW 5%gas 5%oil 80%water 10% n1.68	
120.00	O&GCMW 5%gas 10%oil 65%water 20% n1.68	
105.00	clean oil	1.47

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy Development

Billips Brothers "B" #1

PO Box 150
Bogue KS 67625

10-7S-21w Graham Ks

Job Ticket: 16029

DST#: 3

ATTN: Mike Davignon

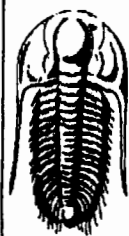
Test Start: 2002.06.01 @ 15:41:21

Tool Information

Drill Pipe:	Length: 3315.00 ft	Diameter: 3.80 inches	Volume: 46.50 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 47.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3425.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.02 ft			
Tool Length:	46.02 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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C.O. Sub	1.00			3405.00	
S.I. Tool	5.00			3410.00	
HMV	5.00			3415.00	
Packer	5.00			3420.00	21.00 Bottom Of Top Packer
Packer	5.00			3425.00	
Stubb	1.00			3426.00	
Recorder	0.01	3024	Inside	3426.01	
Perforations	21.00			3447.01	
Recorder	0.01	11085	Outside	3447.02	
Bullnose	3.00			3450.02	25.02 Bottom Packers & Anchor
Total Tool Length:	46.02				



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy Development

Billips Brothers "B" #1

PO Box 150
Bogue KS 67625

10-7S-21w Graham Ks

Job Ticket: 16029

DST#: 3

ATTN: Mike Davignon

Test Start: 2002.06.01 @ 15:41:21

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 36 deg API

Water Salinity: 90000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	SOCW 1%oil 99%water RW.07@88F	1.432
120.00	O&GCMW 5%gas 5%oil 80%water 10%mud	1.683
120.00	O&GCMW 5%gas 10%oil 65%water 20%mud	1.683
105.00	clean oil	1.473

Total Length: 525.00 ft Total Volume: 6.271 bbl

Num Fluid Samples: 0

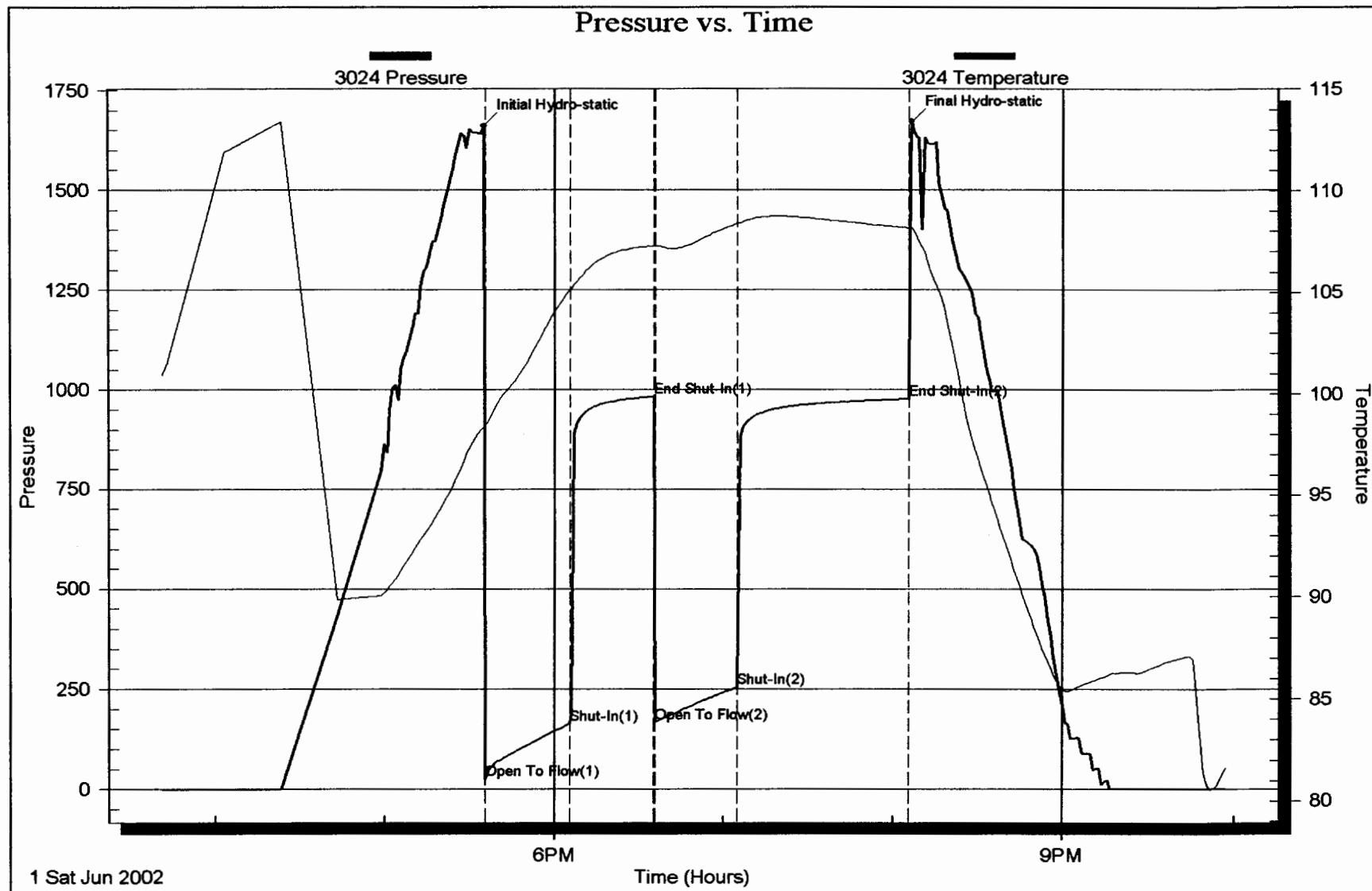
Num Gas Bombs: 0

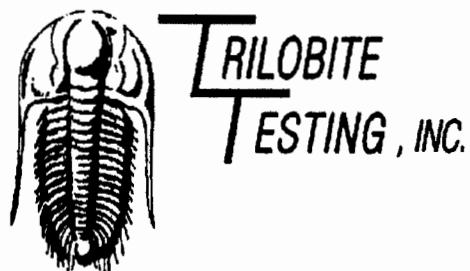
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy Development**

PO Box 150
Bogue KS 67625

ATTN: Mike Daignon

10-7S-21w Graham Ks

Billips Brothers "B"#1

Start Date: 2002.06.02 @ 03:51:58

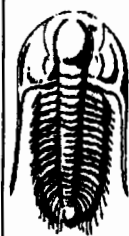
End Date: 2002.06.02 @ 10:29:58

Job Ticket #: 16030 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

Great Eastern Energy Development

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

Billips Brothers "B" #1

10-7S-21w Graham Ks

Job Ticket: 16030

DST#: 4

Test Start: 2002.06.02 @ 03:51:58

GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 05:42:28

Time Test Ended: 10:29:58

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3449.00 ft (KB) To 3470.00 ft (KB) (TVD)**

Total Depth: **3470.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2171.00 ft (KB)**

2166.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 3024

Inside

Press@RunDepth: **163.21 psig @ 3450.01 ft (KB)**

Start Date: **2002.06.02**

End Date:

2002.06.02

Start Time: **03:51:59**

End Time:

10:29:58

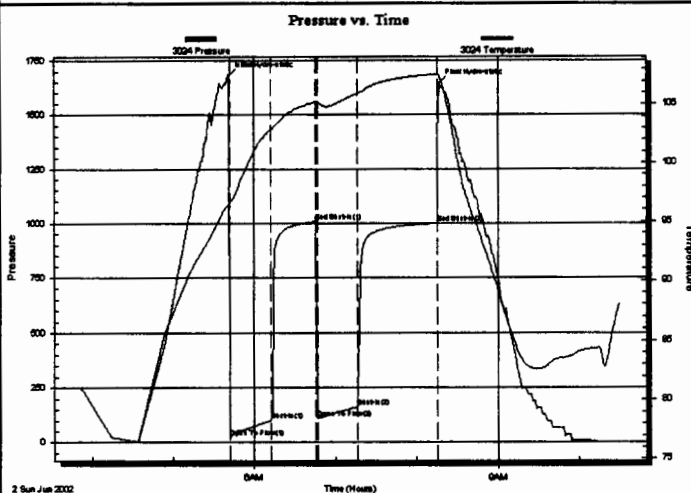
Capacity: **7000.00 psig**

Last Calib.: **2002.06.04**

Time On Btm: **2002.06.02 @ 05:41:28**

Time Off Btm: **2002.06.02 @ 08:16:28**

TEST COMMENT: **IFP - Weak to strong in 10 min.**
FFP - Weak to strong in 18 min.
Weak blow on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1679.87	96.46	Initial Hydro-static
1	23.60	96.66	Open To Flow (1)
31	101.00	102.85	Shut-In(1)
64	1007.10	105.16	End Shut-In(1)
65	112.38	105.21	Open To Flow (2)
95	163.21	105.90	Shut-In(2)
154	998.06	107.54	End Shut-In(2)
155	1645.73	107.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	HOCM 45%oil 55% mud	0.30
420.00	clean oil	5.34

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy Development

Billips Brothers "B" #1

PO Box 150
Bogue KS 67625

10-7S-21w Graham Ks

Job Ticket: 16030

DST#: 4

ATTN: Mike Devignon

Test Start: 2002.06.02 @ 03:51:58

Tool Information

Drill Pipe:	Length: 3339.00 ft	Diameter: 3.80 inches	Volume: 46.84 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	47.43 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3449.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	21.02 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			3429.00	
S.I. Tool	5.00			3434.00	
HMV	5.00			3439.00	
Packer	5.00			3444.00	21.00 Bottom Of Top Packer
Packer	5.00			3449.00	
Stubb	1.00			3450.00	
Recorder	0.01	3024	Inside	3450.01	
Perforations	17.00			3467.01	
Recorder	0.01	11085	Outside	3467.02	
Bullnose	3.00			3470.02	21.02 Bottom Packers & Anchor
Total Tool Length:	42.02				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy Development

Billips Brothers "B" #1

PO Box 150
Bogue KS 67625

10-7S-21w Graham Ks

Job Ticket: 16030 **DST#: 4**

ATTN: Mike Davignon

Test Start: 2002.06.02 @ 03:51:58

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

36 deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	HOCM 45%oil 55%mud	0.295
420.00	clean oil	5.345

Total Length: 480.00 ft Total Volume: 5.640 bbl

Num Fluid Samples: 0

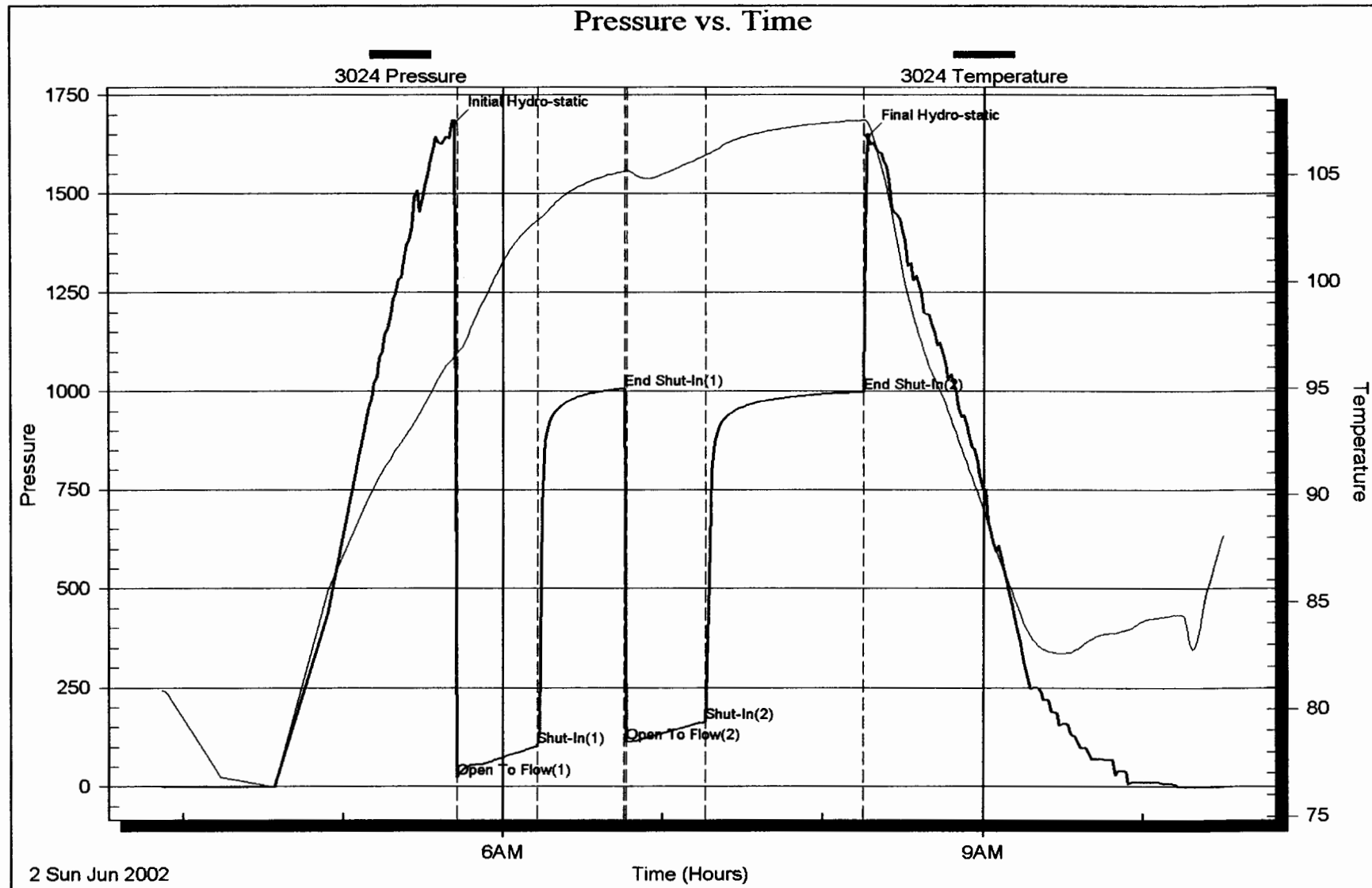
Num Gas Bombs: 0

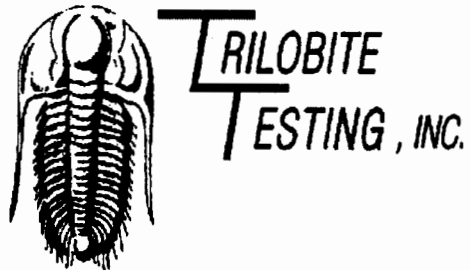
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy Development**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

10-7S-21w Graham Ks

Billips Brothers "B"#1

Start Date: 2002.06.02 @ 17:41:10

End Date: 2002.06.03 @ 00:12:40

Job Ticket #: 16031 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Great Eastern Energy Development

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

Billips Brothers "B" #1

10-7S-21w Graham Ks

Job Ticket: 16031

DST #: 5

Test Start: 2002.06.02 @ 17:41:10

GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 19:18:40

Time Test Ended: 00:12:40

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3467.00 ft (KB) To 3487.00 ft (KB) (TVD)**

Total Depth: **3487.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2171.00 ft (KB)**

2166.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 3024

Inside

Press@RunDepth: **300.10 psig @ 3468.01 ft (KB)**

Start Date: **2002.06.02** End Date: **2002.06.03**

Start Time: **17:41:11** End Time: **00:12:40**

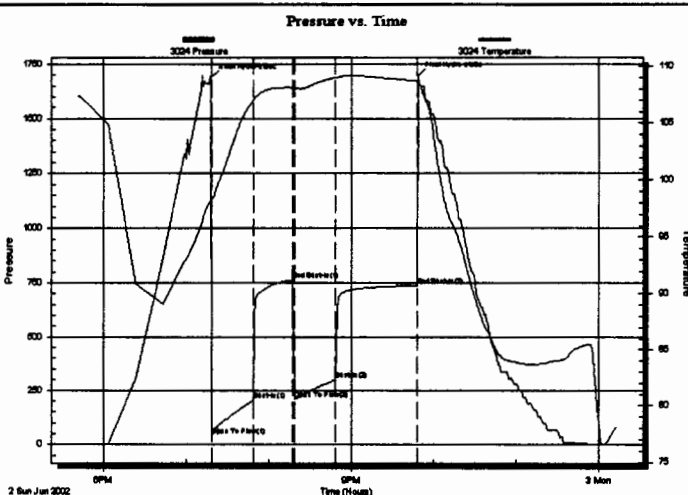
Capacity: **7000.00 psig**

Last Calib.: **2002.06.04**

Time On Btm: **2002.06.02 @ 19:18:10**

Time Off Btm: **2002.06.02 @ 21:48:40**

TEST COMMENT: **IFP - Strong blow in 5 min.**
FFP - Strong blow in 10 min.
Weak blow on shut-in



PRESSURE SUMMARY

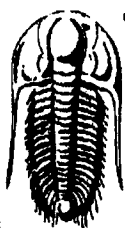
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1690.07	98.23	Initial Hydro-static
1	38.98	98.34	Open To Flow (1)
31	202.82	106.99	Shut-In (1)
60	760.96	108.10	End Shut-In (1)
61	207.51	108.10	Open To Flow (2)
91	300.10	108.99	Shut-In (2)
150	737.49	108.75	End Shut-In (2)
151	1697.72	108.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	water RW.1@83F	2.27
120.00	O&GCWM10%gas 15%oil 35%water 40%1.681	
60.00	GCMO 5%gas 70%oil 10%water 15%mu0.84	
320.00	clean oil	4.49

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy Development

Billips Brothers "B" #1

PO Box 150
Bogue KS 67625

10-7S-21w Graham Ks

Job Ticket: 16031

DST#: 5

ATTN: Mike Davignon

Test Start: 2002.06.02 @ 17:41:10

Tool Information

Drill Pipe:	Length:	3347.00 ft	Diameter:	3.80 inches	Volume:	46.95 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	60000.00 lb
					<u>Total Volume:</u>	<u>47.54 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:		21.00 ft					String Weight: Initial	35000.00 lb
Depth to Top Packer:		3467.00 ft					Final	37000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		20.02 ft						
Tool Length:		41.02 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			3447.00	
S.I. Tool	5.00			3452.00	
HMV	5.00			3457.00	
Packer	5.00			3462.00	21.00 Bottom Of Top Packer
Packer	5.00			3467.00	
Stubb	1.00			3468.00	
Recorder	0.01	3024	Inside	3468.01	
Perforations	16.00			3484.01	
Recorder	0.01	11085	Outside	3484.02	
Bullnose	3.00			3487.02	20.02 Bottom Packers & Anchor
Total Tool Length:	41.02				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy Development

Billips Brothers "B" #1

PO Box 150
Bogue KS 67625

10-7S-21w Graham Ks

Job Ticket: 16031

DST#: 5

ATTN: Mike Davignon

Test Start: 2002.06.02 @ 17:41:10

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: 68000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	w ater RW.1@83F	2.273
120.00	O&GCWM10%gas 15%oil 35%w ater 40%mux	1.683
60.00	GCMO 5%gas 70%oil 10%w ater 15%mud	0.842
320.00	clean oil	4.489

Total Length: 740.00 ft

Total Volume: 9.287 bbl

Num Fluid Samples: 0

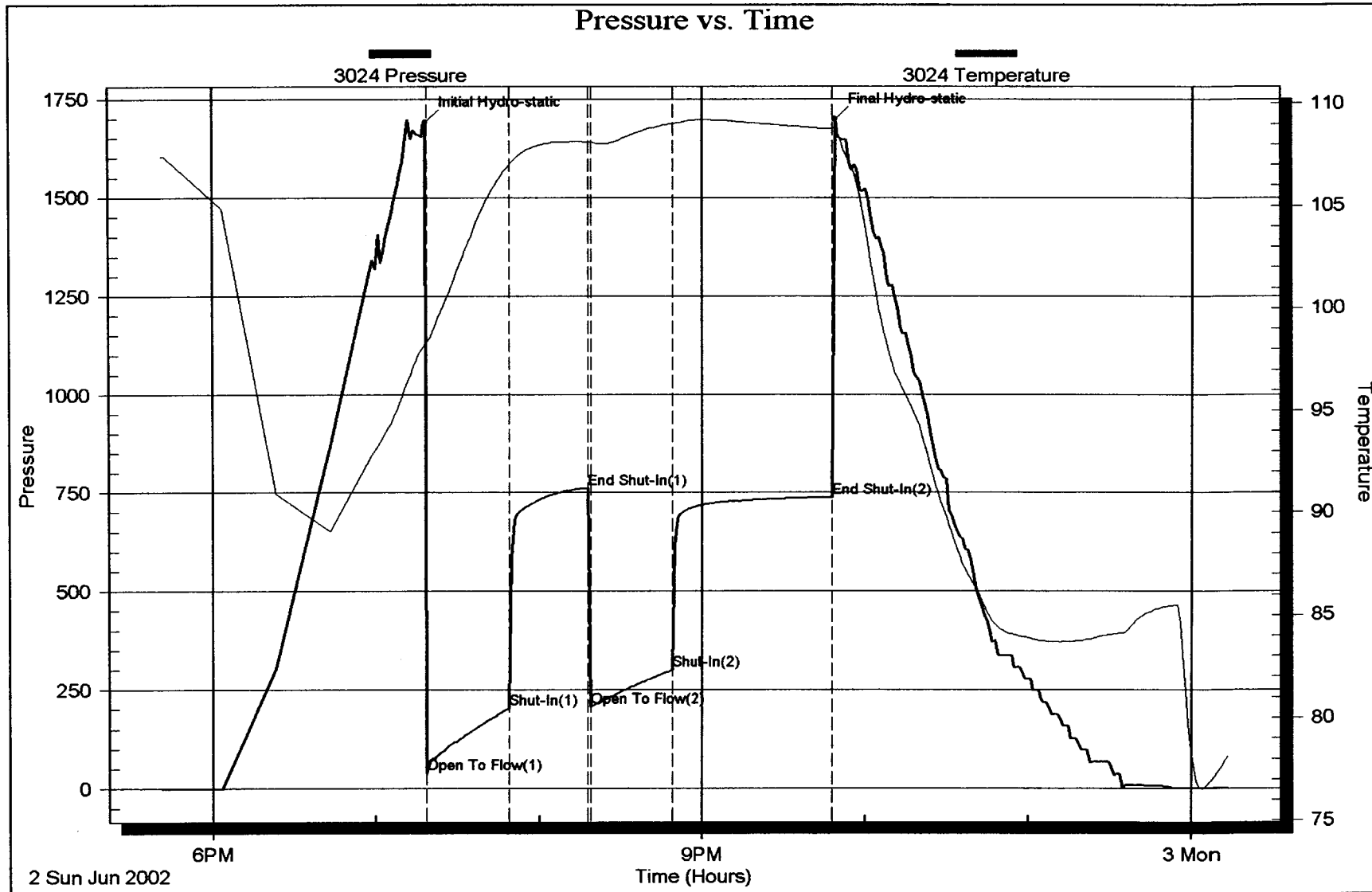
Num Gas Bombs: 0

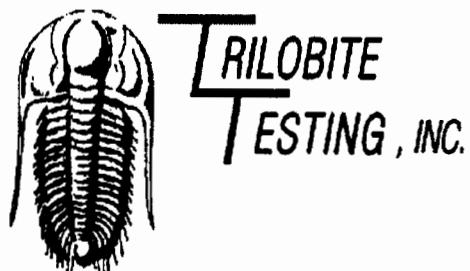
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy Development**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

10-7S-21w Graham Ks

Billips Brothers "B"#1

Start Date: 2002.06.03 @ 12:44:07

End Date: 2002.06.03 @ 18:15:07

Job Ticket #: 16032 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Great Eastern Energy Development

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

Billips Brothers "B" #1

10-7S-21w Graham Ks

Job Ticket: 16032

DST #: 6

Test Start: 2002.06.03 @ 12:44:07

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 14:44:07

Time Test Ended: 18:15:07

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3615.00 ft (KB) To 3640.00 ft (KB) (TVD)**

Total Depth: **3640.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2171.00 ft (KB)**

2166.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 3024

Inside

Press@RunDepth: **29.93 psig @ 3616.01 ft (KB)**

Start Date: **2002.06.03**

End Date:

2002.06.03

Start Time: **12:44:08**

End Time:

18:15:07

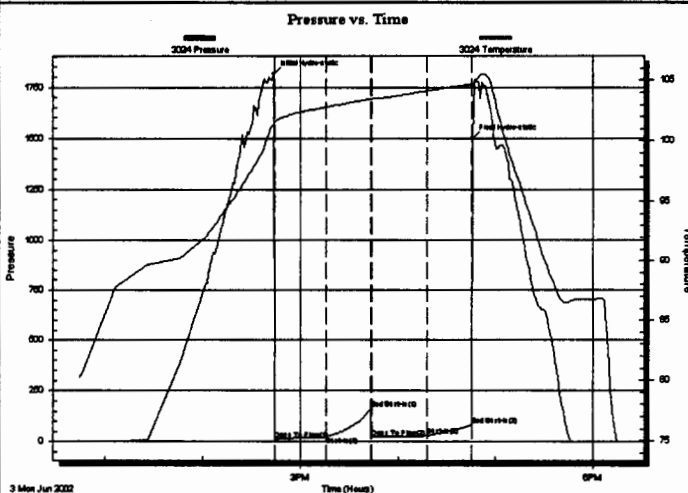
Capacity: **7000.00 psig**

Last Calib.: **2002.06.04**

Time On Btm: **2002.06.03 @ 14:43:37**

Time Off Btm: **2002.06.03 @ 16:45:37**

TEST COMMENT: **FP - Weak surface blow died in 12 min.**
FFP - Weak surface blow died in 20 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1815.00	101.40	Initial Hydro-static
1	13.53	101.52	Open To Flow (1)
32	24.62	102.80	Shut-In(1)
60	161.69	103.47	End Shut-In(1)
60	21.58	103.48	Open To Flow (2)
94	29.93	104.13	Shut-In(2)
122	83.46	104.67	End Shut-In(2)
122	1498.63	104.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 6%oil 94%mud	0.02
2.00	oil	0.01

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy Development

Billips Brothers "B" #1

PO Box 150
Bogue KS 67625

10-7S-21w Graham Ks

Job Ticket: 16032

DST#: 6

ATTN: Mike Davignon

Test Start: 2002.06.03 @ 12:44:07

Tool Information

Drill Pipe:	Length: 3500.00 ft	Diameter: 3.80 inches	Volume: 49.10 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	65000.00 lb
			Total Volume: 49.69 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3615.00 ft			Final	35000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.02 ft				
Tool Length:	46.02 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			3595.00	
S.I. Tool	5.00			3600.00	
HMV	5.00			3605.00	
Packer	5.00			3610.00	21.00 Bottom Of Top Packer
Packer	5.00			3615.00	
Stubb	1.00			3616.00	
Recorder	0.01	3024	Inside	3616.01	
Perforations	21.00			3637.01	
Recorder	0.01	11085	Outside	3637.02	
Bullnose	3.00			3640.02	25.02 Bottom Packers & Anchor
Total Tool Length:		46.02			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy Development

Billips Brothers "B" #1

PO Box 150
Bogue KS 67625

10-7S-21w Graham Ks

Job Ticket: 16032

DST#: 6

ATTN: Mike Davignon

Test Start: 2002.06.03 @ 12:44:07

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 6%oil 94%mud	0.025
2.00	oil	0.010

Total Length: 7.00 ft

Total Volume: 0.035 bbl

Num Fluid Samples: 0

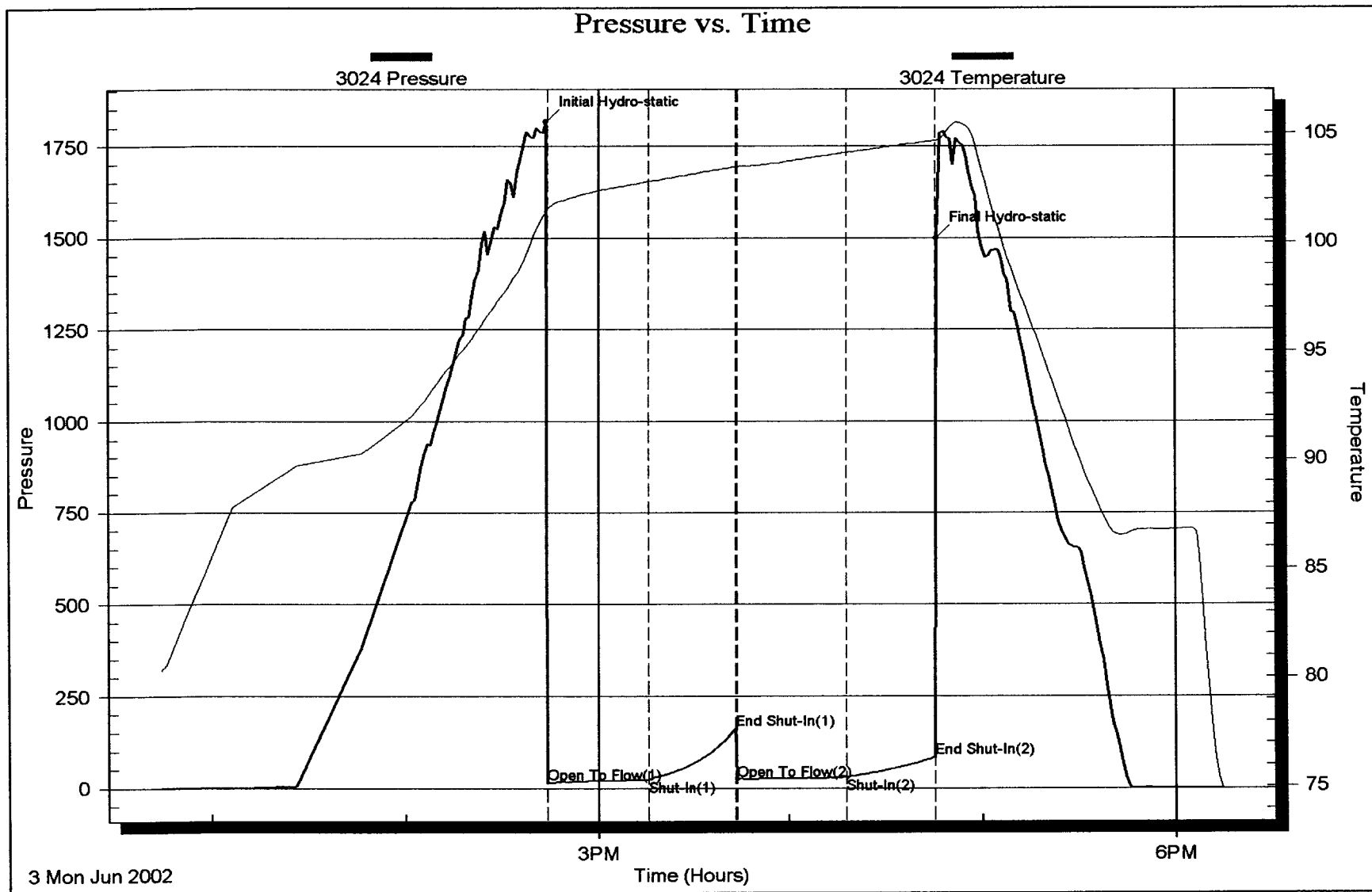
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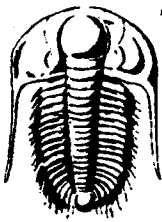
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16027

Test Ticket

Well Name & No.	<u>BILLIPS BROTHERS "B" #1</u>		Test No.	<u>1</u>	Date	<u>5-31-02</u>
Company	<u>GREAT EASTERN Energy Development</u>		Zone Tested	<u>Topeka</u>		
Address	<u>P.O. Box 150 Bogue, Mo 64625</u>		Elevation	<u>2171</u>	KB	<u>2166</u> GL
Co. Rep / Geo.	<u>MIKE DAVIGNON</u>	Cont.	<u>MURFIN rig 8</u>	Est. Ft. of Pay	<u>-</u>	Por. <u>-</u> %
Location: Sec.	<u>10</u>	Twp.	<u>7^s</u>	Rge.	<u>21^W</u>	Co. <u>GRAHAM</u> State <u>K</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u>-</u>	Turnkey (Y, N)	<u>-</u>	Evaluation (Y, N) <u>-</u>

Interval Tested	<u>3317-3333</u>	Initial Str Wt./Lbs.	<u>35000</u>	Unseated Str Wt./Lbs.	<u>35000</u>
Anchor Length	<u>16</u>	Wt. Set Lbs.	<u>25000</u>	Wt. Pulled Loose/Lbs.	<u>55000</u>
Top Packer Depth	<u>3312</u>	Tool Weight	<u>2200</u>		
Bottom Packer Depth	<u>3317</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>3333</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>120</u>
Mud Wt. <u>8.8</u> LCM <u>-</u> Vis. <u>48</u> WL <u>8</u>		Drill Pipe Size	<u>4 1/2 X H</u>	Ft. Run	<u>3185</u>
Blow Description	<u>TFP - WEAK TO A GOOD BLOW 1/4" TO 7" BLOW</u> <u>FFP - WEAK BLOW THROUGHOUT 1/4" TO 3" BLOW</u> <u>NO BLOW ON SHUT-IN</u>				

Recovery — Total Feet	<u>355</u>	GIP	<u>-</u>	Ft. in DC	<u>120</u>	Ft. in DP	<u>235</u>
Rec. <u>180</u>	Feet Of	<u>WATER</u>	%gas	%oil	%water	%mud	
Rec. <u>170</u>	Feet Of	<u>SOC MW</u>	%gas	<u>1</u> %oil	<u>69</u> %water	<u>30</u> %mud	
Rec. <u>5</u>	Feet Of	<u>0.1</u>	%gas	%oil	%water	%mud	
Rec. <u>-</u>	Feet Of	<u>-</u>	%gas	%oil	%water	%mud	
Rec. <u>-</u>	Feet Of	<u>-</u>	%gas	%oil	%water	%mud	
BHT <u>106</u>	°F Gravity	<u>-</u>	°API D@	<u>-</u>	°F Corrected Gravity	<u>-</u>	°API
RW <u>.07</u>	@ <u>22</u>	°F Chlorides	<u>100000</u>	ppm Recovery	Chlorides <u>1600</u>	ppm System	

(A) Initial Hydrostatic Mud	AK-1	Alpine	1558	PSI Recorder No.	<u>3024</u>	T-On Location	<u>0930</u>
(B) First Initial Flow Pressure			<u>18</u>	PSI (depth)	<u>3318</u>	T-Started	<u>1050</u>
(C) First Final Flow Pressure			<u>118</u>	PSI Recorder No.	<u>11085</u>	T-Open	<u>1255</u>
(D) Initial Shut-In Pressure			<u>989</u>	PSI (depth)	<u>3330</u>	T-Pulled	<u>1455</u>
(E) Second Initial Flow Pressure			<u>119</u>	PSI Recorder No.	<u>-</u>	T-Out	<u>1645</u>
(F) Second Final Flow Pressure			<u>175</u>	PSI (depth)	<u>-</u>	T-Off Location	<u>1705</u>
(G) Final Shut-in Pressure			<u>988</u>	PSI Initial Opening	<u>30</u>	Test	<u>✓ 700</u>
(Q) Final Hydrostatic Mud			<u>1534</u>	PSI Initial Shut-in	<u>30</u>	Jars	<u>-</u>
				Final Flow	<u>30</u>	Safety Joint	<u>-</u>
				Final Shut-in	<u>30</u>	Straddle	<u>-</u>
						Circ. Sub	<u>-</u>
						Sampler	<u>-</u>
						Extra Packer	<u>-</u>
						Elec. Rec	<u>✓ 150</u>
						Mileage	<u>✓ 61</u>
						Other	<u>-</u>
						TOTAL PRICE \$	<u>✓ 911</u>

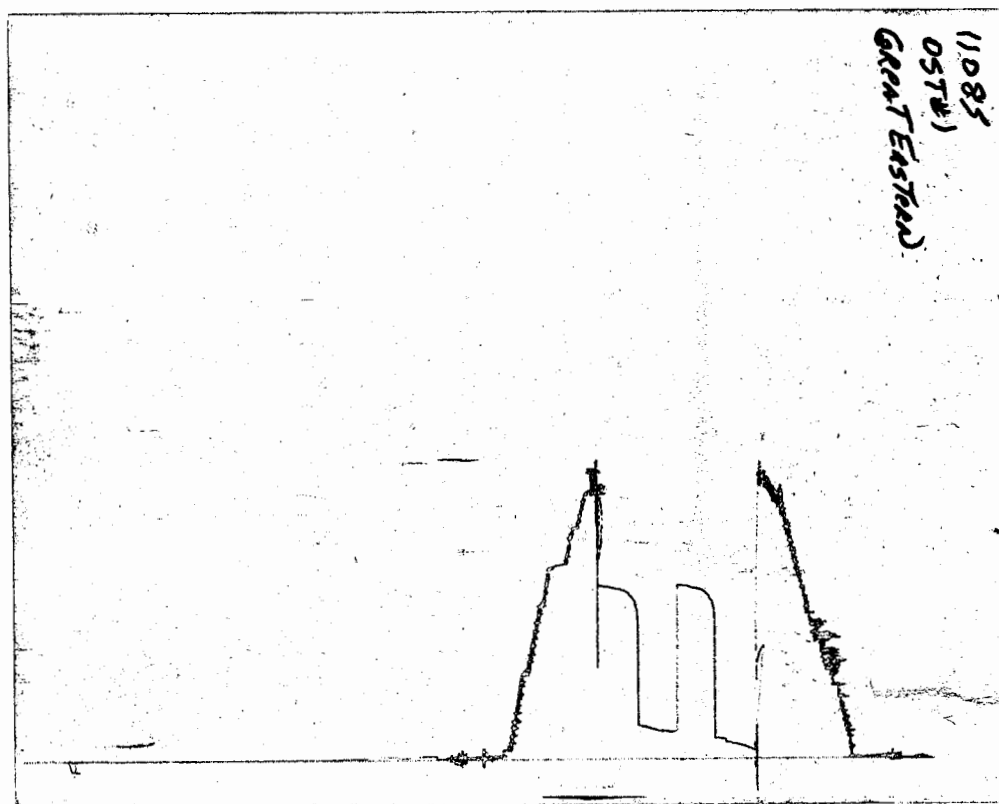
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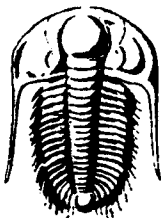
Approved By _____

Our Representative RAY SCHWAGER THANK YOU

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16028

Test Ticket

Well Name & No.	<u>Billips Brothers "B" #1</u>	Test No.	<u>2</u>	Date	<u>6-1-02</u>
Company	<u>GREAT EASTERN Energy Development</u>	Zone Tested	<u>LKC</u>		
Address	<u>P.O. Box 150 Bogue, Mo 67625</u>	Elevation	<u>2171</u>	KB	<u>2166</u> GL
Co. Rep / Geo.	<u>Mike Daignon</u>	Cont.	<u>Martin Sig B</u>	Est. Ft. of Pay	<u>-</u> Por. <u>-</u> %
Location: Sec.	<u>10</u>	Twp.	<u>7</u>	Rge.	<u>21</u>
				Co.	<u>GRAHAM</u> State <u>Ko</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u>-</u>	Turnkey (Y, N)	<u>-</u>
				Evaluation (Y, N)	<u>-</u>

Interval Tested	<u>3363-3420</u>	Initial Str Wt./Lbs.	<u>35000</u>	Unseated Str Wt./Lbs.	<u>42000</u>
Anchor Length	<u>57</u>	Wt. Set Lbs.	<u>25000</u>	Wt. Pulled Loose/Lbs.	<u>65000</u>
Top Packer Depth	<u>3358</u>	Tool Weight	<u>2200</u>		
Bottom Packer Depth	<u>3363</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>3420</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>120</u>
Mud Wt. <u>8.9</u> LCM <u>-</u> Vis. <u>49</u> WL <u>8</u>		Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>3252</u>
Blow Description	<u>TFP - STRONG Blow Throughout</u>				
	<u>FFP - STRONG Blow Throughout GTS in 22 min</u>				
	<u>STRONG Blow on shut-in</u>				

Recovery — Total Feet	<u>2670</u>	GIP	<u>GTS 582</u>	Ft. in DC	<u>120</u>	Ft. in DP	<u>2550</u>
Rec. <u>120</u>	Feet Of	<u>MGO</u>	<u>10% gas</u>	<u>55% oil</u>	<u>% water</u>	<u>35% mud</u>	
Rec. <u>2550</u>	Feet Of	<u>CLEAN OIL</u>	<u>% gas</u>	<u>% oil</u>	<u>% water</u>	<u>% mud</u>	
Rec. <u>-</u>	Feet Of	<u>-</u>	<u>% gas</u>	<u>% oil</u>	<u>% water</u>	<u>% mud</u>	
Rec. <u>-</u>	Feet Of	<u>-</u>	<u>% gas</u>	<u>% oil</u>	<u>% water</u>	<u>% mud</u>	
Rec. <u>-</u>	Feet Of	<u>-</u>	<u>% gas</u>	<u>% oil</u>	<u>% water</u>	<u>% mud</u>	
BHT <u>-</u>	°F Gravity	<u>37</u>	°API D@	<u>70</u>	°F Corrected Gravity	<u>36</u>	°API
RW <u>-</u>	@ <u>-</u>	°F Chlorides	<u>-</u>	ppm Recovery	Chlorides <u>1600</u>	ppm System	

(A) Initial Hydrostatic Mud	<u>1679</u>	AK-1	Alpine	PSI Recorder No.	<u>3024</u>	T-On Location	<u>0130</u>
(B) First Initial Flow Pressure	<u>363</u>			PSI (depth)	<u>3364</u>	T-Started	<u>02</u>
(C) First Final Flow Pressure	<u>810</u>			PSI Recorder No.	<u>11085</u>	T-Open	<u>0415</u>
(D) Initial Shut-In Pressure	<u>1126</u>			PSI (depth)	<u>3417</u>	T-Pulled	<u>0645</u>
(E) Second Initial Flow Pressure	<u>887</u>			PSI Recorder No.	<u>-</u>	T-Out	<u>0940</u>
(F) Second Final Flow Pressure	<u>1006</u>			PSI (depth)	<u>-</u>	T-Off Location	<u>-</u>
(G) Final Shut-in Pressure	<u>1115</u>			PSI Initial Opening	<u>30</u>	Test	<u>✓ 700</u>
(Q) Final Hydrostatic Mud	<u>1668</u>			PSI Initial Shut-in	<u>30</u>	Jars	<u>-</u>
				Final Flow	<u>30</u>	Safety Joint	<u>-</u>
				Final Shut-in	<u>60</u>	Straddle	<u>-</u>
						Circ. Sub	<u>✓ 35</u>
						Sampler	<u>-</u>
						Extra Packer	<u>-</u>
						Elec. Rec.	<u>✓ 150</u>
						Mileage	<u>✓ 17</u>
						Other	<u>-</u>
						TOTAL PRICE \$	<u>✓ 902</u>

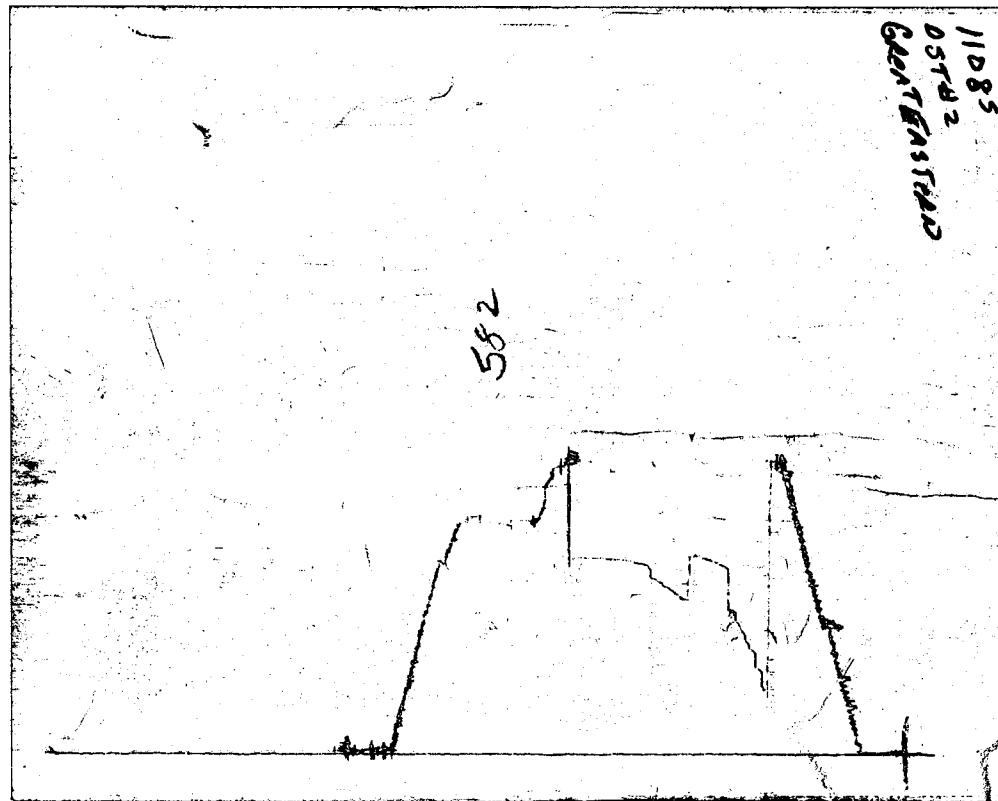
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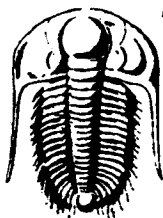
Approved By _____

Our Representative RAY Schwager THANK you

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16029

Test Ticket

Well Name & No.	<u>Billips Brothers "B" #1</u>	Test No.	<u>3</u>	Date	<u>6-1-02</u>
Company	<u>GREAT EASTERN Energy + Development</u>		Zone Tested	<u>LKC</u>	
Address	<u>P.O. Box 150 Bogue, Ko 67625</u>		Elevation	<u>2171</u>	KB <u>2166</u> GL
Co. Rep / Geo.	<u>M. Ke DAVIGNON</u>	Cont.	<u>MURFIN, R. G.</u>	Est. Ft. of Pay	<u>-</u> Por. <u>-</u> %
Location: Sec.	<u>10</u>	Twp.	<u>23</u>	Rge.	<u>21"</u> Co. <u>GRAHAM</u> State <u>KO</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u>-</u>	Turnkey (Y, N)	<u>-</u> Evaluation (Y, N) <u>-</u>

Interval Tested	<u>3425-3450</u>	Initial Str Wt./Lbs.	<u>35000</u>	Unseated Str Wt./Lbs.	<u>36000</u>
Anchor Length	<u>25</u>	Wt. Set Lbs.	<u>25000</u>	Wt. Pulled Loose/Lbs.	<u>60000</u>
Top Packer Depth	<u>3420</u>	Tool Weight	<u>2200</u>		
Bottom Packer Depth	<u>3425</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>3450</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>120</u>
Mud Wt.	<u>8.9</u> LCM	Vis.	<u>49</u> WL <u>8</u>	Drill Pipe Size	<u>4 1/2 XH</u> Ft. Run <u>3315</u>
Blow Description	<u>IFP - WEAK TO STRONG in 12 min</u> <u>FFP - WEAK TO A GOOD Blow 1/2" To 8" Blow</u> <u>Weak surface Blow on shut-in</u>				

Recovery — Total Feet	<u>525</u>	GIP	<u>195</u>	Ft. in DC	<u>120</u>	Ft. in DP	<u>40.5</u>				
Rec.	<u>180</u>	Feet Of	<u>WATER 50C</u>	%gas	<u>1</u>	%oil	<u>99</u>	%water	<u>-</u>	%mud	<u>-</u>
Rec.	<u>120</u>	Feet Of	<u>0+6 CMW</u>	%gas	<u>5</u>	%oil	<u>80</u>	%water	<u>10</u>	%mud	<u>-</u>
Rec.	<u>120</u>	Feet Of	<u>0+6 CMW</u>	%gas	<u>10</u>	%oil	<u>65</u>	%water	<u>20</u>	%mud	<u>-</u>
Rec.	<u>105</u>	Feet Of	<u>CLEAN OIL</u>	%gas	<u>-</u>	%oil	<u>-</u>	%water	<u>-</u>	%mud	<u>-</u>
Rec.	<u>-</u>	Feet Of	<u>-</u>	%gas	<u>-</u>	%oil	<u>-</u>	%water	<u>-</u>	%mud	<u>-</u>
BHT	<u>109</u>	°F Gravity	<u>36</u>	°API D @	<u>60</u>	°F Corrected Gravity	<u>36</u>	°API	<u>-</u>		
RW	<u>.07</u>	@	<u>88</u>	°F Chlorides	<u>90000</u>	ppm Recovery	<u>1600</u>	ppm System	<u>-</u>		

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		<u>1642</u>	PSI	Recorder No.	<u>3024</u>	T-On Location	<u>1500</u>
(B) First Initial Flow Pressure		<u>25</u>	PSI	(depth)	<u>3426</u>	T-Started	<u>1541</u>
(C) First Final Flow Pressure		<u>159</u>	PSI	Recorder No.	<u>11085</u>	T-Open	<u>1735</u>
(D) Initial Shut-In Pressure		<u>981</u>	PSI	(depth)	<u>3447</u>	T-Pulled	<u>2005</u>
(E) Second Initial Flow Pressure		<u>167</u>	PSI	Recorder No.	<u>-</u>	T-Out	<u>2200</u>
(F) Second Final Flow Pressure		<u>254</u>	PSI	(depth)	<u>-</u>	T-Off Location	<u>2210</u>
(G) Final Shut-in Pressure		<u>975</u>	PSI	Initial Opening	<u>30</u>	Test	<u>700</u>
(Q) Final Hydrostatic Mud		<u>1633</u>	PSI	Initial Shut-in	<u>30</u>	Jars	<u>-</u>
				Final Flow	<u>30</u>	Safety Joint	<u>-</u>
				Final Shut-in	<u>60</u>	Straddle	<u>-</u>

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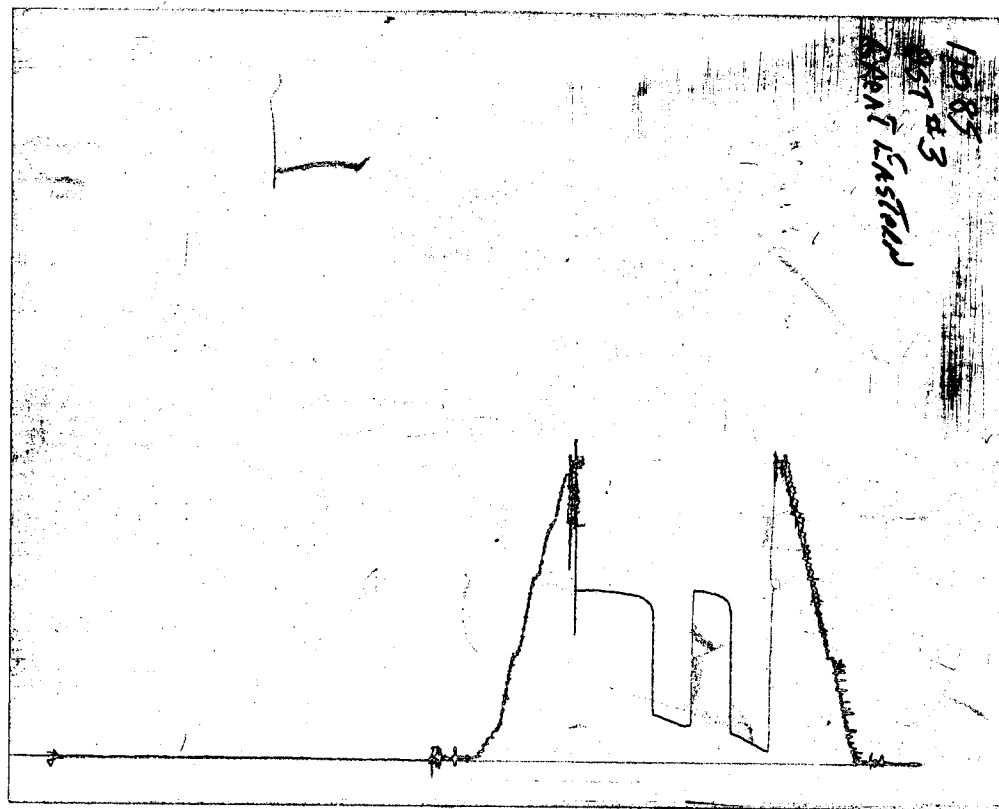
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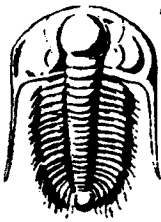
Our Representative RAY SCHWAGER Thankyou

Extra Packer _____
Elec. Rec. ✓ 150
Mileage ✓ 17
Other _____
TOTAL PRICE \$ ✓ 867

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16030

Test Ticket

Well Name & No.	<u>Billips Brothers "B" #1</u>	Test No.	<u>4</u>	Date	<u>6-2-02</u>
Company	<u>GREAT EASTERN Energy & Development</u>	Zone Tested	<u>LKC</u>		
Address	<u>P.O. Box 150 Bogue, Mo 67625</u>	Elevation	<u>2171</u>	KB	<u>2166</u> GL
Co. Rep / Geo.	<u>Mike DAVIGNON</u>	Cont.	<u>MURFIN 5198</u>	Est. Ft. of Pay	<u>—</u> Por. <u>—</u> %
Location: Sec.	<u>10</u>	Twp.	<u>7^s</u>	Rge.	<u>21st</u>
		Co.	<u>GRAHAM</u>	State	<u>K</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u>—</u>	Turnkey (Y, N)	<u>—</u>
		Evaluation (Y, N)	<u>—</u>		

Interval Tested	<u>3449-3470</u>	Initial Str Wt./Lbs.	<u>35000</u>	Unseated Str Wt./Lbs.	<u>36000</u>
Anchor Length	<u>21</u>	Wt. Set Lbs.	<u>25000</u>	Wt. Pulled Loose/Lbs.	<u>50000</u>
Top Packer Depth	<u>3444</u>	Tool Weight	<u>2200</u>		
Bottom Packer Depth	<u>3449</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>3470</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>120</u>
Mud Wt.	<u>9.1</u> LCM — Vis. <u>51</u> WL <u>8</u>	Drill Pipe Size	<u>4 1/2 X 11</u>	Ft. Run	<u>3339</u>
Blow Description	<u>IFP - WEAK TO STRONG IN 10 min</u>				
	<u>FFP - WEAK TO STRONG IN 18 min</u>				
	<u>WEAK BLOW ON SHUT-IN</u>				

Recovery — Total Feet	<u>485</u>	GIP	<u>355</u>	Ft. in DC	<u>120</u>	Ft. in DP	<u>365</u>
Rec.	<u>60</u>	Feet Of	<u>HOCM</u>	%gas	<u>45</u>	%oil	<u>—</u>
Rec.	<u>420</u>	Feet Of	<u>CLEAN OIL</u>	%gas	<u>—</u>	%oil	<u>—</u>
Rec.	<u>—</u>	Feet Of	<u>—</u>	%gas	<u>—</u>	%oil	<u>—</u>
Rec.	<u>—</u>	Feet Of	<u>—</u>	%gas	<u>—</u>	%oil	<u>—</u>
Rec.	<u>—</u>	Feet Of	<u>—</u>	%gas	<u>—</u>	%oil	<u>—</u>
BHT	<u>109</u>	°F Gravity	<u>36</u>	°API D@	<u>60</u>	°F Corrected Gravity	<u>36</u>
RW	<u>—</u>	@	<u>—</u>	°F Chlorides	<u>—</u>	ppm Recovery	<u>2000</u>
				ppm System	<u>—</u>		

(A) Initial Hydrostatic Mud	AK-1	Alpine	<u>1644</u>	PSI Recorder No.	<u>3024</u>	T-On Location	<u>0330</u>
(B) First Initial Flow Pressure			<u>23</u>	PSI (depth)	<u>3450</u>	T-Started	<u>0351</u>
(C) First Final Flow Pressure			<u>96</u>	PSI Recorder No.	<u>11085</u>	T-Open	<u>0545</u>
(D) Initial Shut-In Pressure			<u>1006</u>	PSI (depth)	<u>3467</u>	T-Pulled	<u>0815</u>
(E) Second Initial Flow Pressure			<u>115</u>	PSI Recorder No.	<u>—</u>	T-Out	<u>1030</u>
(F) Second Final Flow Pressure			<u>160</u>	PSI (depth)	<u>—</u>	T-Off Location	<u>1045</u>
(G) Final Shut-in Pressure			<u>997</u>	PSI Initial Opening	<u>30</u>	Test	<u>✓</u>
(Q) Final Hydrostatic Mud			<u>1621</u>	PSI Initial Shut-in	<u>30</u>	Jars	<u>700</u>

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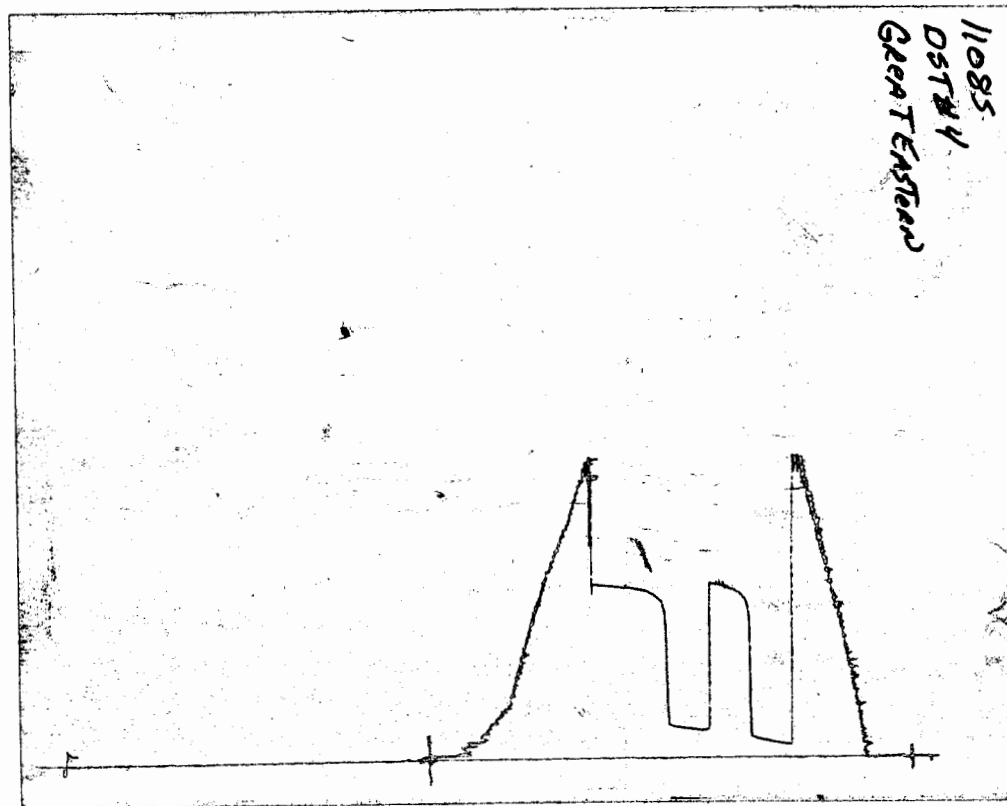
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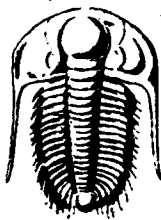
Our Representative RAY SCHWAGER THANK YOU

Safety Joint _____
Straddle _____
Circ. Sub _____
Sampler _____
Extra Packer _____
Elec. Rec. ✓ 150
Mileage ✓ 17
Other _____
TOTAL PRICE \$ ✓ 867

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16031

Test Ticket

Well Name & No. <u>Billips Brothers "B" #1</u>	Test No. <u>5</u>	Date <u>6-2-02</u>
Company <u>GREAT EASTERN Energy & Development</u>	Zone Tested <u>LKC</u>	
Address <u>P.O. Box 150 Bogue, Mo 67625</u>	Elevation <u>2171</u>	KB <u>2166</u> GL
Co. Rep / Geo. <u>Mike DAVIGNON</u>	Cont. <u>MURFIN 198</u>	Est. Ft. of Pay <u>-</u> Por. <u>-</u> %
Location: Sec. <u>10</u>	Twp. <u>7^s</u>	Rge. <u>21st</u>
Co. <u>GRAHAM</u>	State <u>Mo</u>	
No. of Copies <u>Reg</u>	Distribution Sheet (Y, N) <u>-</u>	Turnkey (Y, N) <u>-</u> Evaluation (Y, N) <u>-</u>

Interval Tested <u>3467-3487</u>	Initial Str Wt./Lbs. <u>35000</u>	Unseated Str Wt./Lbs. <u>37000</u>
Anchor Length <u>20</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>60000</u>
Top Packer Depth <u>3462</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3467</u>	Hole Size — 7 7/8" <u>yes</u>	Rubber Size — 6 3/4" <u>yes</u>
Total Depth <u>3487</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>120</u>
Mud Wt. <u>8.9</u> LCM <u>-</u> Vis. <u>52</u> WL <u>22</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3347</u>
Blow Description <u>IFP - STRONG Blow in 5 min</u>		
<u>FFP - STRONG Blow in 10 min</u>		
<u>WEAK Blow on shut-in</u>		

Recovery — Total Feet <u>740</u>	GIP <u>580</u>	Ft. in DC <u>120</u>	Ft. in DP <u>620</u>
Rec. <u>240</u>	Feet Of <u>WATER</u>	%gas	%oil
Rec. <u>120</u>	Feet Of <u>D+GCLWM</u>	10 %gas	15 %oil
Rec. <u>60</u>	Feet Of <u>GCMO</u>	5 %gas	20 %oil
Rec. <u>320</u>	Feet Of <u>CLEAN OIL</u>	%gas	%oil
Rec. <u>-</u>	Feet Of <u>-</u>	%gas	%oil
BHT <u>110</u>	°F Gravity <u>34</u>	°API D@ <u>60</u>	°F Corrected Gravity <u>34</u>
RW <u>.10</u>	@ <u>83</u>	°F Chlorides <u>68000</u>	ppm Recovery Chlorides <u>2600</u>

(A) Initial Hydrostatic Mud	AK-1	Alpine	PSI	Recorder No. <u>3024</u>	T-On Location <u>1545</u>
(B) First Initial Flow Pressure		<u>38</u>	PSI	(depth) <u>3468</u>	T-Started <u>1741</u>
(C) First Final Flow Pressure		<u>202</u>	PSI	Recorder No. <u>11085</u>	T-Open <u>1920</u>
(D) Initial Shut-In Pressure		<u>759</u>	PSI	(depth) <u>3484</u>	T-Pulled <u>2150</u>
(E) Second Initial Flow Pressure		<u>212</u>	PSI	Recorder No. <u>-</u>	T-Out <u>0010</u>
(F) Second Final Flow Pressure		<u>293</u>	PSI	(depth) <u>-</u>	T-Off Location <u>0030</u>
(G) Final Shut-in Pressure		<u>740</u>	PSI	Initial Opening <u>30</u>	Test <u>700</u>
(Q) Final Hydrostatic Mud		<u>1647</u>	PSI	Initial Shut-in <u>30</u>	Jars <u>-</u>
				Final Flow <u>30</u>	Safety Joint <u>-</u>
				Final Shut-in <u>60</u>	Straddle <u>-</u>

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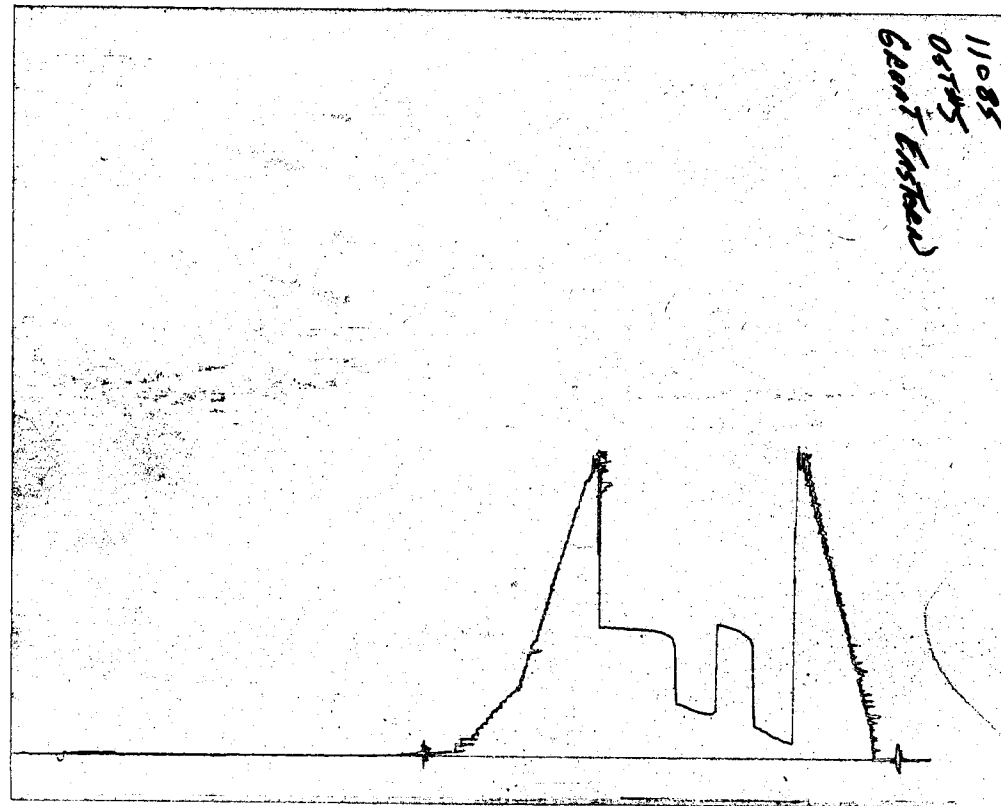
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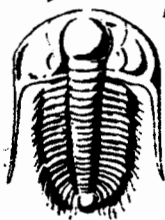
Our Representative RAY Schwager Thank you

Extra Packer -
Elec. Rec. ✓ 150
Mileage ✓ 17
Other 1 hr 30
TOTAL PRICE \$ ✓ 897

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16032

Test Ticket

Well Name & No.	<u>Billips Brothers "B" #1</u>		Test No.	<u>6</u>	Date	<u>6-3-02</u>
Company	<u>GREAT EASTERN ENERGY Development</u>		Zone Tested	<u>Arbuckle</u>		
Address	<u>P.O. Box 150 Bogue, Mo 67625</u>		Elevation	<u>2171</u>	KB	<u>2166</u> GL
Co. Rep / Geo.	<u>Mike Daignon</u>	Cont.	<u>MURFIN rig 8</u>	Est. Ft. of Pay	<u>-</u>	Por. <u>-</u> %
Location: Sec.	<u>10</u>	Twp.	<u>7^s</u>	Rge.	<u>21^W</u>	Co. <u>GRAHAM</u> State <u>Ko</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u>-</u>	Turnkey (Y, N)	<u>-</u>	Evaluation (Y, N) <u>-</u>

Interval Tested	<u>3615-3640</u>	Initial Str Wt./Lbs.	<u>35000</u>	Unseated Str Wt./Lbs.	<u>35000</u>
Anchor Length	<u>25</u>	Wt. Set Lbs.	<u>25000</u>	Wt. Pulled Loose/Lbs.	<u>65000</u>
Top Packer Depth	<u>3610</u>	Tool Weight	<u>2200</u>		
Bottom Packer Depth	<u>3615</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>3640</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>120</u>
Mud Wt. <u>9</u> LCM <u>-</u> Vis. <u>54</u> WL <u>7.6</u>		Drill Pipe Size	<u>4 1/2 x 11</u>	Ft. Run	<u>3500</u>
Blow Description	<u>IFP - WEAK SURFACE BLOW died in 12 min</u> <u>FFP - WEAK SURFACE BLOW died in 20 min</u>				

Recovery — Total Feet	<u>7</u>	GIP	<u>-</u>	Ft. in DC	<u>7</u>	Ft. in DP	<u>-</u>
Rec. <u>5</u>	Feet Of	<u>OCM</u>	%gas	<u>6</u>	%oil	%water	<u>94</u> %mud
Rec. <u>2</u>	Feet Of	<u>oil</u>	%gas		%oil	%water	%mud
Rec.	Feet Of		%gas		%oil	%water	%mud
Rec.	Feet Of		%gas		%oil	%water	%mud
Rec.	Feet Of		%gas		%oil	%water	%mud
BHT <u>112</u>	°F Gravity	<u>-</u>	°API D@	<u>-</u>	°F Corrected Gravity	<u>-</u>	°API
RW <u>-</u>	@	<u>-</u>	°F Chlorides	<u>-</u>	ppm Recovery	Chlorides <u>3200</u>	ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1792	PSI Recorder No.	<u>3024</u>	T-On Location	<u>1215</u>
(B) First Initial Flow Pressure			<u>13</u>	PSI (depth)	<u>3616</u>	T-Started	<u>1244</u>
(C) First Final Flow Pressure			<u>18</u>	PSI Recorder No.	<u>11085</u>	T-Open	<u>1445</u> 6:15
(D) Initial Shut-In Pressure			<u>149</u>	PSI (depth)	<u>3637</u>	T-Pulled	<u>1645</u>
(E) Second Initial Flow Pressure			<u>21</u>	PSI Recorder No.	<u>-</u>	T-Out	<u>1815</u>
(F) Second Final Flow Pressure			<u>26</u>	PSI (depth)	<u>-</u>	T-Off Location	<u>1830</u>
(G) Final Shut-in Pressure			<u>77</u>	PSI Initial Opening	<u>30</u>	Test	<u>700</u>
(Q) Final Hydrostatic Mud			<u>1740</u>	PSI Initial Shut-in	<u>30</u>	Jars	
				Final Flow	<u>30</u>	Safety Joint	
				Final Shut-in	<u>30</u>	Straddle	

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Approved By _____

Our Representative RAY SCHWAGER Thankyou

Mileage ✓ 17
Other _____
TOTAL PRICE \$ ✓ 867

CHART PAGE

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

