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MAR 14 2002

CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy**

PO Box 2436
Midland, TX 79702

ORIGINAL

ATTN: Mike Davignon

4-11s-21w Trego KS

Zeigler#1

Start Date: 2001.03.06 @ 18:43:00

End Date: 2001.03.07 @ 00:02:00

Job Ticket #: 14311 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

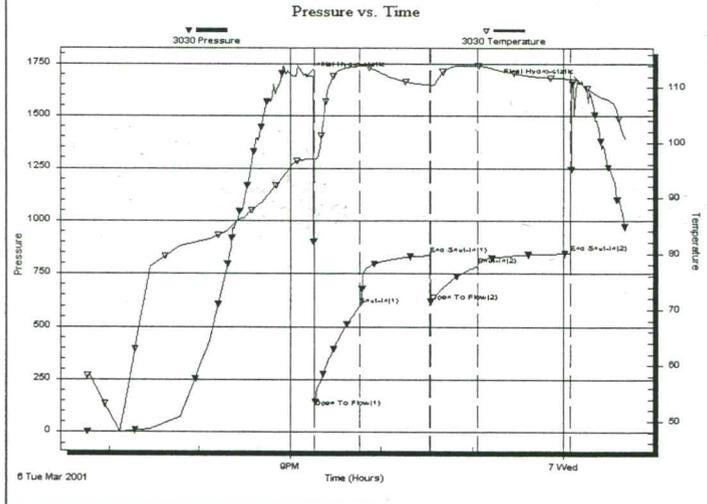
	<h2>DRILL STEM TEST REPORT</h2>
Great Eastern Energy PO Box 2436 Midland, TX 79702 ATTN: Mike Davignon	Zeigler#1 4-11s-21w Trego KS Job Ticket: 14311 DST#: 1 Test Start: 2001.03.06 @ 18:43:00

GENERAL INFORMATION:

Formation: LKC	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (KB)	Tester: Ray Schwager
Time Tool Opened: 21:15:55	Unit No: 16
Time Test Ended: 00:02:00	
Interval: 3480.00 ft (KB) To 3530.00 ft (KB) (TVD)	Reference Elevations: 2159.00 ft (KB)
Total Depth: 3530.00 ft (KB)	2154.00 ft (CF)
Hole Diameter: 7.78 inches	Hole Condition: Fair
	KB to GRVCF: 5.00 ft

Serial #: 3030 Inside	Capacity: 7000.00 psig
Press@RunDepth: 785.71 psig @ 3495.02 ft (KB)	Last Calib.: 2001.03.07
Start Date: 2001.03.06 End Date: 2001.03.07	Time On Btm: 2001.03.06 @ 21:10:55
Start Time: 18:44:57 End Time: 00:41:25	Time Off Btm: 2001.03.07 @ 00:10:55

TEST COMMENT: times 30-45-30-60 no blow on shut-in IFP-strong blow in 1 min
FFP-strong blow in 5 min



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
146	1689.38	97.00	Initial Hydro-static
151	114.81	97.04	Open To Flow (1)
181	596.95	113.92	Shut-In(1)
227	836.68	110.45	End Shut-In(1)
228	617.48	110.43	Open To Flow (2)
259	785.71	113.97	Shut-In(2)
320	844.89	111.64	End Shut-In(2)
326	1657.99	110.87	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
330.00	SOCMW 1%oil 25%mud 74%water	2.44
1210.00	water RW .19@35F	16.97

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy

Zeigler#1

PO Box 2436
Midland, TX 79702

4-11s-21w Trego KS

Job Ticket: 14311

DST#: 1

ATTN: Mike Davignon

Test Start: 2001.03.06 @ 18:43:00

Tool Information

Drill Pipe:	Length: 3250.00 ft	Diameter: 3.80 inches	Volume: 45.59 bbl	Tool Weight: 2200.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight set on Packer: 25000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
Drill Pipe Above KB:	31.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	3475.00 ft			String Weight: Initial 45000.00 lb
Depth to Bottom Packer:	ft			Final 55000.00 lb
Interval betw een Packers:	ft			
Tool Length:	71.02 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			3460.00	
S.I. Tool	5.00			3465.00	
HYD S.I. Tool	5.00			3470.00	
Packer	5.00			3475.00	16.00 Bottom Of Top Packer
Packer	5.00			3480.00	
Stubb	1.00			3481.00	
Perforations	9.00			3490.00	
Recorder	0.01	11085	Outside	3490.01	
Perforations	4.00			3494.01	
C.O. Sub	1.00			3495.01	
Recorder	0.01	3030	Inside	3495.02	
Blank Spacing	31.00			3526.02	
C.O. Sub	1.00			3527.02	
Bullnose	3.00			3530.02	55.02 Bottom Packers & Anchor

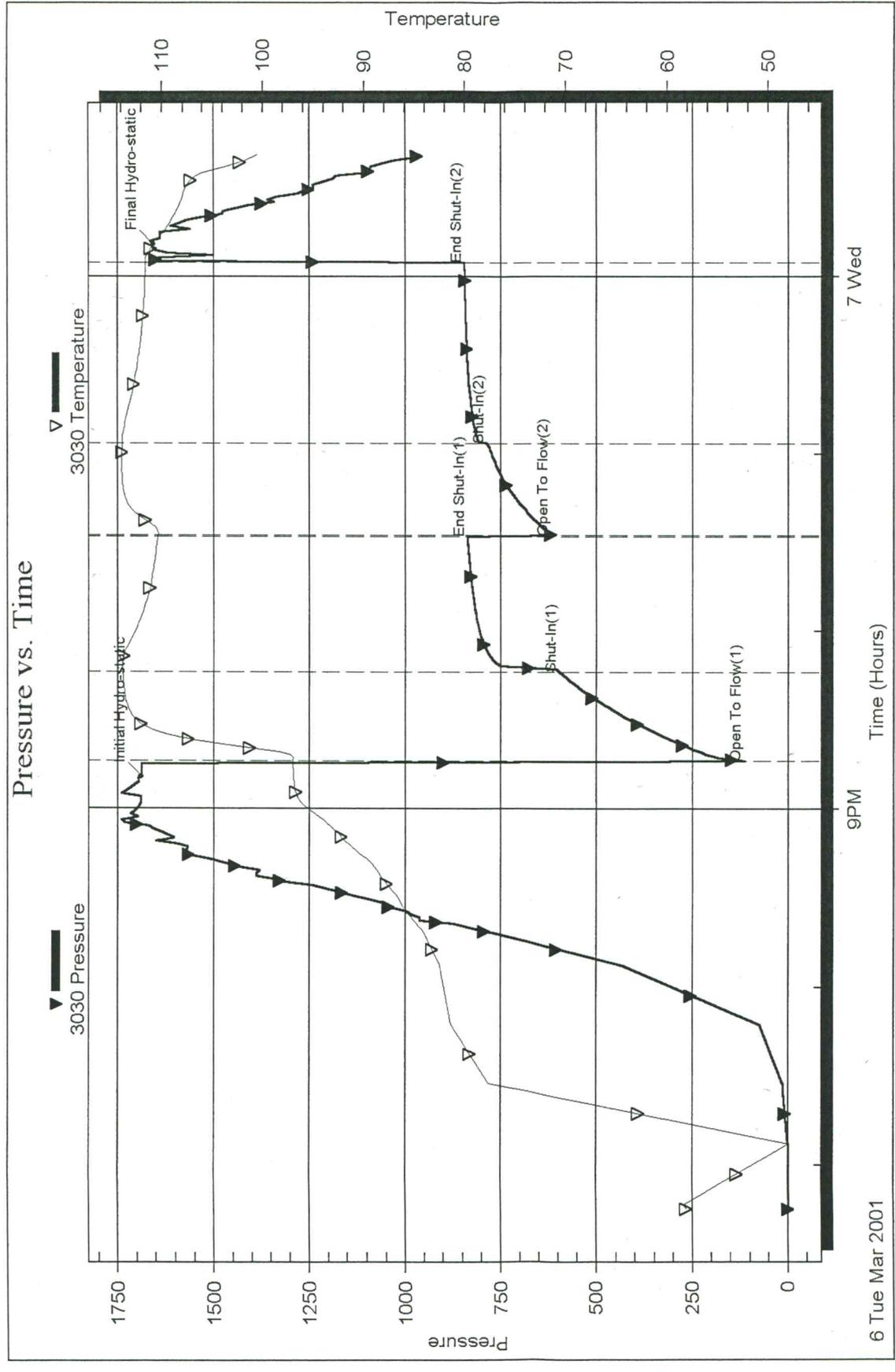
Total Tool Length: 71.02

4-11s-21w Trego KS

Great Eastern Energy

Inside

Serial #: 3030





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy**

PO Box 2436
Midland, TX 79702

ATTN: Mike Davignon

4-11s-21w Trego KS

Zeigler#1

Start Date: 2001.03.07 @ 11:41:00

End Date: 2001.03.07 @ 15:24:00

Job Ticket #: 14312 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

	DRILL STEM TEST REPORT		TOOL DIAGRAM
	Great Eastern Energy	Zeigler#1	
	PO Box 2436 Midland, TX 79702	4-11s-21w Trego KS	
ATTN: Mike Davignon	Job Ticket: 14312	DST#: 2	
	Test Start: 2001.03.07 @ 11:41:00		

Tool Information

Drill Pipe: Length: 3347.00 ft	Diameter: 3.80 inches	Volume: 46.95 bbl	Tool Weight: 2200.00 lb
Drill Collar: Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight set on Packer: 25000.00 lb
Heavy Wt. Pipe: Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
Drill Pipe Above KB: 20.00 ft			Tool Chased 0.00 ft
Depth to Top Packer: 3523.00 ft			String Weight: Initial 45000.00 lb
Depth to Bottom Packer: ft			Final 45000.00 lb
Interval between Packers: ft			
Tool Length: 43.02 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			3508.00	
S.I. Tool	5.00			3513.00	
HYD S.I. Tool	5.00			3518.00	
Packer	5.00			3523.00	16.00 Bottom Of Top Packer
Packer	5.00			3528.00	
Stubb	1.00			3529.00	
Recorder	0.01	3030	Inside	3529.01	
Perforations	18.00			3547.01	
Recorder	0.01	11085	Outside	3547.02	
Bullnose	3.00			3550.02	27.02 Bottom Packers & Anchor
Total Tool Length:	43.02				

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Great Eastern Energy
 PO Box 2436
 Midland, TX 79702
 ATTN: Mike Davignon

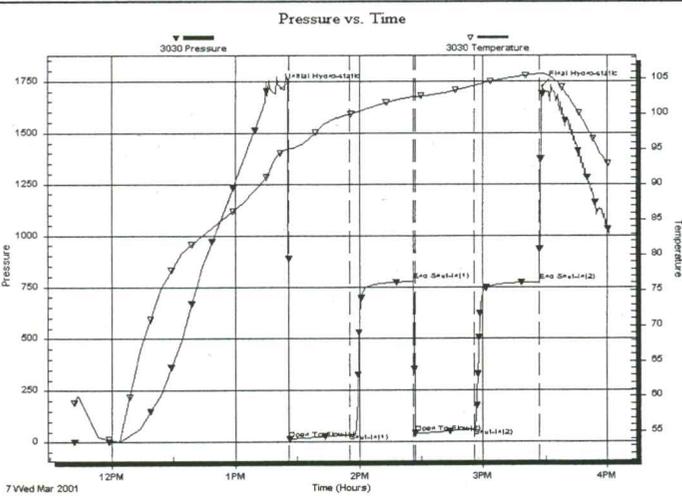
Zeigler#1
4-11s-21w Trego KS
 Job Ticket: 14312 **DST#: 2**
 Test Start: 2001.03.07 @ 11:41:00

GENERAL INFORMATION:

Formation: **LKC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:25:55
 Time Test Ended: 15:24:00
 Interval: **3528.00 ft (KB) To 3550.00 ft (KB) (TVD)**
 Total Depth: 3530.00 ft (KB)
 Hole Diameter: 7.78 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 16
 Reference Elevations: 2159.00 ft (KB)
 2154.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 3030 Inside
 Press@RunDepth: 61.16 psig @ 3529.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2001.03.07 End Date: 2001.03.07 Last Calib.: 2001.03.07
 Start Time: 11:41:57 End Time: 16:00:55 Time On Btm: 2001.03.07 @ 13:22:25
 Time Off Btm: 2001.03.07 @ 15:28:25

TEST COMMENT: times 30-30-30-30 IFP-w k bl surface to 1/2" bl
 FFP-w k bl 1/4" bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
101	1715.29	94.71	Initial Hydro-static
104	11.91	95.13	Open To Flow (1)
133	36.23	100.02	Shut-In(1)
164	775.75	102.50	End Shut-In(1)
165	40.13	102.53	Open To Flow (2)
194	61.16	104.07	Shut-In(2)
225	773.19	105.72	End Shut-In(2)
227	1724.64	105.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	MW 20%mud 80%water w/show of oil	0.39
0.00	RW .21@41F	0.00

Gas Rates

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

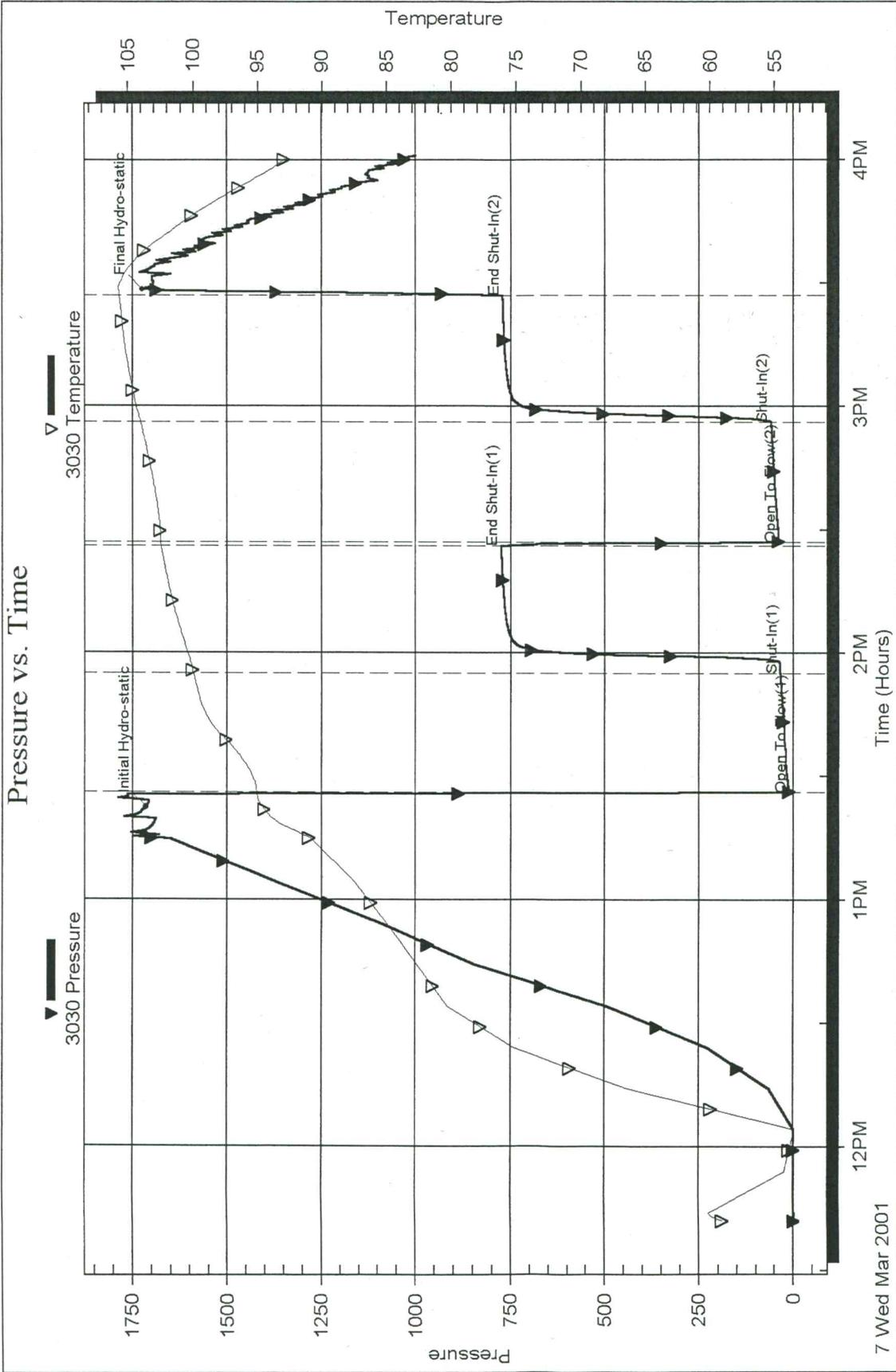
Serial #: 3030

Inside

Great Eastern Energy

4-11s-21w Trego KS

Pressure vs. Time



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DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy**

PO Box 2436
Midland, TX 79702

ATTN: Mike Davignon

4-11s-21w Trego KS

Zeigler#1

Start Date: 2001.03.08 @ 17:01:00

End Date: 2001.03.08 @ 21:09:00

Job Ticket #: 14313 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		TOOL DIAGRAM
	Great Eastern Energy	Zeigler#1	
	PO Box 2436 Midland, TX 79702	4-11s-21w Trego KS	
ATTN: Mike Davignon	Job Ticket: 14313	DST#: 3	
	Test Start: 2001.03.08 @ 17:01:00		

Tool Information

Drill Pipe:	Length: 3566.00 ft	Diameter: 3.80 inches	Volume: 50.02 bbl	Tool Weight: 2200.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight set on Packer: 25000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 59000.00 lb
Drill Pipe Above KB:	30.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	3732.00 ft			String Weight: Initial 45000.00 lb
Depth to Bottom Packer:	ft			Final 55000.00 lb
Interval between Packers:	ft			
Tool Length:	51.02 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			3717.00	
S.I. Tool	5.00			3722.00	
HYD S.I. Tool	5.00			3727.00	
Packer	5.00			3732.00	16.00 Bottom Of Top Packer
Packer	5.00			3737.00	
Stubb	1.00			3738.00	
Recorder	0.01	3024	Inside	3738.01	
Perforations	26.00			3764.01	
Recorder	0.01	11085	Outside	3764.02	
Bullnose	3.00			3767.02	35.02 Bottom Packers & Anchor
Total Tool Length:	51.02				

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Great Eastern Energy

Zeigler#1

PO Box 2436
Midland, TX 79702

4-11s-21w Trego KS

Job Ticket: 14313

DST#: 3

ATTN: Mike Davignon

Test Start: 2001.03.08 @ 17:01:00

GENERAL INFORMATION:

Formation: **arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:55:49

Time Test Ended: 21:09:00

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: **3737.00 ft (KB) To 3767.00 ft (KB) (TVD)**

Reference Elevations: 2159.00 ft (KB)

Total Depth: 3530.00 ft (KB)

2154.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 3024 Inside

Press@RunDepth: 1149.23 psig @ 3738.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2001.03.08

End Date: 2001.03.09

Last Calib.: 2001.03.09

Start Time: 17:02:50

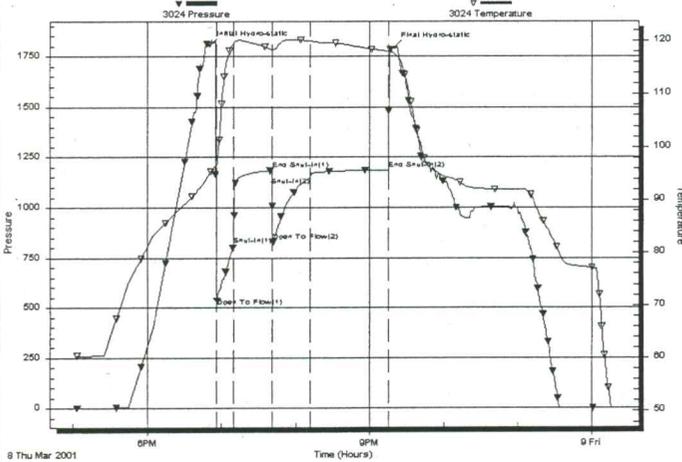
End Time: 00:15:49

Time On Btm: 2001.03.08 @ 18:50:49

Time Off Btm: 2001.03.08 @ 21:19:49

TEST COMMENT: times 15-30-30-60 no bl on shut-in IFP-strong blow in 1 min
FFP-strong blow in 1 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
108	1802.56	95.24	Initial Hydro-static
113	503.07	96.49	Open To Flow (1)
127	811.91	119.57	Shut-In(1)
158	1183.83	118.36	End Shut-In(1)
159	830.29	118.32	Open To Flow (2)
189	1149.23	119.95	Shut-In(2)
252	1185.90	117.98	End Shut-In(2)
257	1793.94	117.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	HOCWM 18%oil 32% water 50% mud	0.20
400.00	SOCMW 2%oil 68%water 30% mud	4.34
2460.00	Water RW .33@50F	34.51

Gas Rates

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

20643c

Serial #: 3024 Inside Great Eastern Energy 4-11s-21w Trego KS

