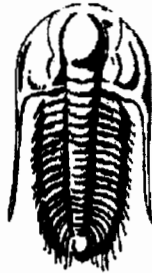


15-151-22289

EGS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc**

200 W Douglas Ste 520
Wichita KS 67202

ATTN: Steve Kirk

25 26S 11W Pratt KS

Riffey # V1-25

Start Date: 2008.04.02 @ 13:29:20

End Date: 2008.04.02 @ 22:32:15

Job Ticket #: 30929 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Val Energy Inc

Riffey # V1-25

25 26S 11W Pratt KS

DST # 1

Mississippi

2008.04.02

CONFIDENTIAL
APR 3 2008
KCC



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Val Energy Inc
200 W Douglas Ste 520
Wichita KS 67202
ATTN: Steve VanBuskirk

Riffey # V1-25
25 26S 11W Pratt KS
Job Ticket: 30929 **DST#: 1**
Test Start: 2008.04.02 @ 13:29:20

GENERAL INFORMATION:

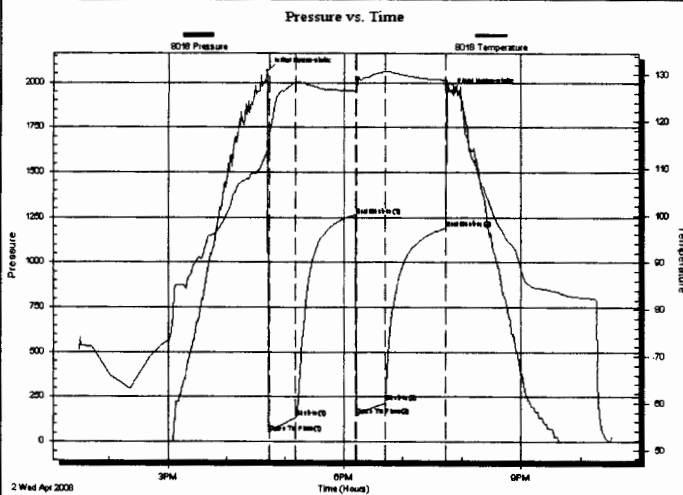
Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:43:15
Time Test Ended: 22:32:15
Interval: **4050.00 ft (KB) To 4094.00 ft (KB) (TVD)**
Total Depth: 4094.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches
Hole Condition:
Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41
Reference Elevations: 1805.00 ft (KB)
1795.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press@RunDepth: 220.04 psig @ 4053.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.04.02 End Date: 2008.04.02 Last Calib.: 2008.04.02
Start Time: 13:29:20 End Time: 22:32:15 Time On Btm: 2008.04.02 @ 16:41:15
Time Off Btm: 2008.04.02 @ 19:48:44

TEST COMMENT: IFF BOB 2 1/2 min.
ISI Sur blow back died 36 min.
FFP BOB 8 min.
FSI Sur blow back throughout



PRESSURE SUMMARY

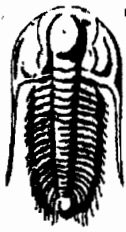
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2063.44	113.24	Initial Hydro-static
2	48.41	116.01	Open To Flow (1)
30	133.02	128.34	Shut-In(1)
91	1260.25	126.42	End Shut-In(1)
92	142.99	126.36	Open To Flow (2)
122	220.04	130.67	Shut-In(2)
183	1190.96	128.85	End Shut-In(2)
188	1950.71	128.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	MW 85%W 15%M	2.67
120.00	WM 30%W 70%M	1.68
90.00	VSOCWM 5%O 15%W 80%M	1.26
0.00	805' GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Val Energy Inc

Riffey # V1-25

200 W Douglas Ste 520
Wichita KS 67202

25 26S 11W Pratt KS

Job Ticket: 30929

DST#: 1

ATTN: Steve VanBuskirk

Test Start: 2008.04.02 @ 13:29:20

Tool Information

Drill Pipe:	Length: 4042.00 ft	Diameter: 3.80 inches	Volume: 56.70 bbl	Tool Weight: 2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 56.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4050.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4028.00	
Hydraulic tool	5.00			4033.00	
Jars	5.00			4038.00	
Safety Joint	2.00			4040.00	
Packer	5.00			4045.00	27.00 Bottom Of Top Packer
Packer	5.00			4050.00	
Stubb	1.00			4051.00	
Perforations	1.00			4052.00	
Change Over Sub	1.00			4053.00	
Recorder	0.00	8018	Inside	4053.00	
Recorder	0.00	6755	Outside	4053.00	
Blank Spacing	32.00			4085.00	
Change Over Sub	1.00			4086.00	
Perforations	5.00			4091.00	
Bullnose	3.00			4094.00	44.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc

Riffey # V1-25

200 W Douglas Ste 520
Wichita KS 67202

25 26S 11W Pratt KS

Job Ticket: 30929

DST#: 1

ATTN: Steve VanBuskirk

Test Start: 2008.04.02 @ 13:29:20

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	MW 85%W 15%M	2.665
120.00	WM 30%W 70%M	1.683
90.00	VSOCWM 5%O 15%W 80%M	1.262
0.00	805' GIP	0.000

Total Length: 400.00 ft

Total Volume: 5.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

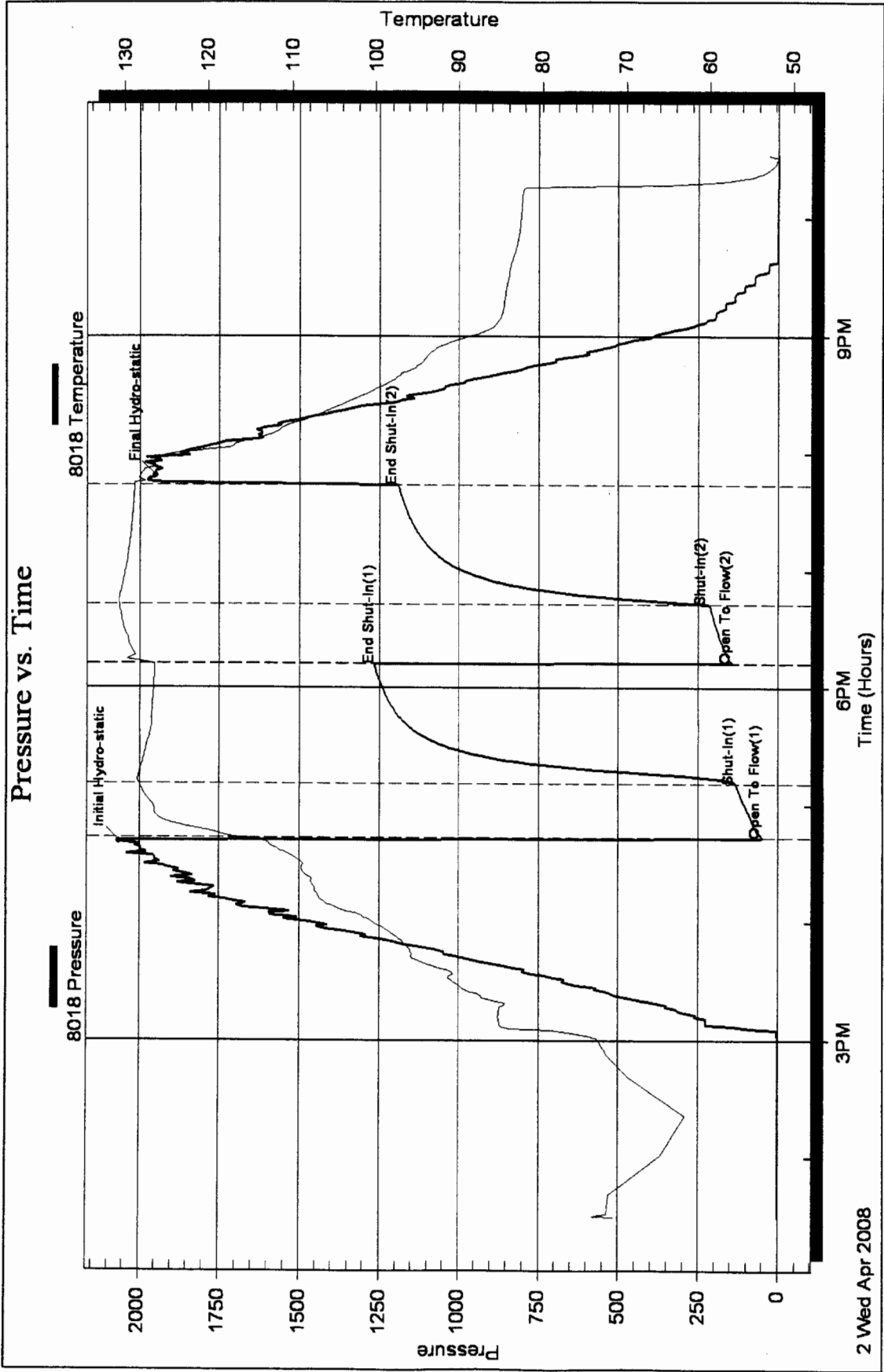
Serial #:

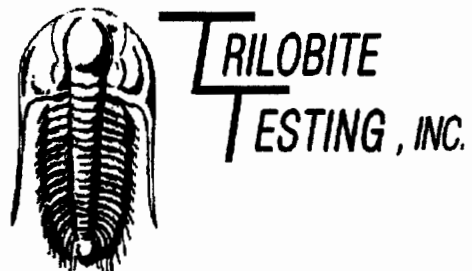
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Val Energy Inc**

200 W Douglas Ste 520
Wichita KS 67202

ATTN: Steve VanBuskirk

25 26S 11W Pratt KS

Riffey # V1-25

Start Date: 2008.04.03 @ 23:26:47

End Date: 2008.04.04 @ 09:09:17

Job Ticket #: 30141 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Val Energy Inc

Riffey # V1-25

25 26S 11W Pratt KS

DST # 2

Vilola

2008.04.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Val Energy Inc
200 W Douglas Ste 520
Wichita KS 67202
ATTN: Steve VanBuskirk

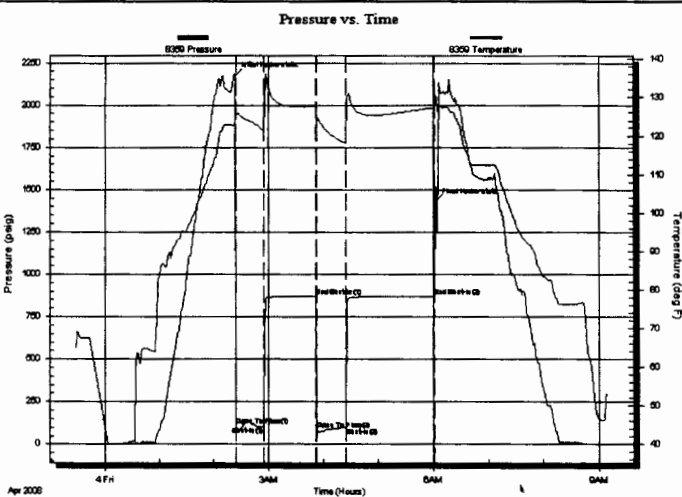
Riffey # V1-25
25 26S 11W Pratt KS
Job Ticket: 30141 **DST#: 2**
Test Start: 2008.04.03 @ 23:26:47

GENERAL INFORMATION:

Formation: **Vilola**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 02:24:47
Time Test Ended: 09:09:17
Interval: **4270.00 ft (KB) To 4295.00 ft (KB) (TVD)**
Total Depth: **4094.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Kevin Taylor**
Unit No: **30**
Reference Elevations: **1805.00 ft (KB)**
1795.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 8359 **Inside**
Press@RunDepth: **97.77 psig @ 4271.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2008.04.03** End Date: **2008.04.04** Last Calib.: **2008.04.04**
Start Time: **23:26:52** End Time: **09:09:17** Time On Btm: **2008.04.04 @ 02:23:47**
Time Off Btm: **2008.04.04 @ 06:02:02**

TEST COMMENT: IF Strong blow BOB 15 sec GTS 15 min See Gas flow report
ISI Bleed off for 15 min. BOB in 90 sec. died in 60 min
FF BOB Immediately
FSI Bleed off for 20 min. BOB in 70 sec died in 65 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.34	123.08	Initial Hydro-static
1	111.82	125.11	Open To Flow (1)
32	103.94	121.49	Shut-in(1)
89	869.96	127.63	End Shut-in(1)
89	85.44	123.24	Open To Flow (2)
122	97.77	118.10	Shut-in(2)
218	869.92	127.27	End Shut-in(2)
219	1428.24	128.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	19.00	225.31
Last Gas Rate	0.50	25.00	265.78
Max. Gas Rate	0.50	25.00	265.78



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Val Energy Inc

Riffey # V1-25

200 W Douglas Ste 520
Wichita KS 67202

25 26S 11W Pratt KS

Job Ticket: 30141

DST#: 2

ATTN: Steve VanBuskirk

Test Start: 2008.04.03 @ 23:26:47

Tool Information

Drill Pipe:	Length: 4260.00 ft	Diameter: 3.80 inches	Volume: 59.76 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 120000.0 lb
			Total Volume: 59.76 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4270.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4247.00	
Hydraulic tool	5.00			4252.00	
Jars	5.00			4257.00	
Safety Joint	3.00			4260.00	
Packer	5.00			4265.00	28.00 Bottom Of Top Packer
Packer	5.00			4270.00	
Stubb	1.00			4271.00	
Recorder	0.00	8359	Inside	4271.00	
Recorder	0.00	6668	Inside	4271.00	
Perforations	21.00			4292.00	
Bullnose	3.00			4295.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Val Energy Inc

Riffey # V1-25

200 W Douglas Ste 520
Wichita KS 67202

25 26S 11W Pratt KS

Job Ticket: 30141

DST#: 2

ATTN: Steve VanBuskirk

Test Start: 2008.04.03 @ 23:26:47

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #: KT1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Val Energy Inc
200 W Douglas Ste 520
Wichita KS 67202

ATTN: Steve VanBuskirk

Riffey # V1-25

25 26S 11W Pratt KS

Job Ticket: 30141

DST#: 2

Test Start: 2008.04.03 @ 23:26:47

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	20	0.50	19.00	225.31
1	30	0.50	15.00	198.32
2	10	0.50	17.00	211.82
2	20	0.50	22.00	245.54
2	30	0.50	25.00	265.78

DST Test Number: 2

25 26S 11W Pratt KS

Val Energy Inc

Inside

Serial #: 8359

Pressure vs. Time

