

26-11-18W



### DRILL STEM TEST REPORT

Prepared For: **Bill Bowman Oil Company**  
 2640 W.Road  
 Natoma Ks 67651

ATTN: Bill Bowman

**26-11s-18w Ellis**

**Peavey #5**

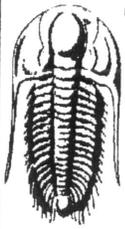
Start Date: 2005.12.06 @ 21:11:48

End Date: 2005.12.07 @ 06:51:47

Job Ticket #: 22739                      DST #: 1

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

Bill Bowman Oil Company  
 Peavey #5  
 26-11s-18w Ellis  
 DST # 1  
 LKC  
 2005.12.06



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Bill Bowman Oil Company

**Peavey #5**

2640 W.Road  
Natoma Ks 67651

**26-11s-18w Ellis**

Job Ticket: 22739

**DST#: 1**

ATTN: Bill Bowman

Test Start: 2005.12.06 @ 21:11:48

## GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 00:06:47

Time Test Ended: 06:51:47

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Interval: **3284.00 ft (KB) To 3417.00 ft (KB) (TVD)**

Total Depth: **3417.00 ft (KB) (TVD)**

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

Reference Elevations: **2071.00 ft (KB)**

**2066.00 ft (CF)**

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

**Serial #: 8167**

**Inside**

Press@RunDepth: **48.78 psig @ 3292.01 ft (KB)**

Start Date: **2005.12.06**

End Date:

**2005.12.07**

Capacity: **7000.00 psig**

Last Calib.: **2005.12.07**

Start Time: **21:11:48**

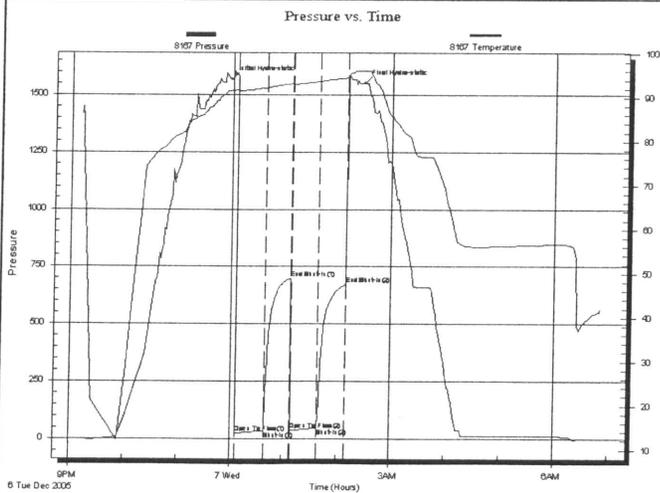
End Time:

**06:51:47**

Time On Btm: **2005.12.06 @ 23:58:17**

Time Off Btm: **2005.12.07 @ 02:28:17**

**TEST COMMENT:** IFP-wk bl thru-out 1/2" to 1" bl  
FFP-surface bl, died in 8min  
Times 30-30-30-30



## PRESSURE SUMMARY

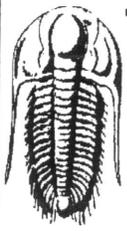
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1566.31	91.54	Initial Hydro-static
9	24.43	91.43	Open To Flow (1)
41	35.94	92.25	Shut-In(1)
70	697.44	93.20	End Shut-In(1)
71	37.05	93.08	Open To Flow (2)
101	48.78	93.71	Shut-In(2)
132	674.43	94.52	End Shut-In(2)
150	1549.73	96.07	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOCM 2% Oil	0.84

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Bill Bowman Oil Company  
2640 W.Road  
Natoma Ks 67651  
ATTN: Bill Bowman

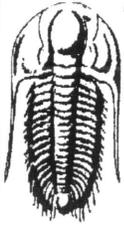
**Peavey #5**  
**26-11s-18w Ellis**  
Job Ticket: 22739      **DST#: 1**  
Test Start: 2005.12.06 @ 21:11:48

**Tool Information**

Drill Pipe:	Length: 3262.00 ft	Diameter: 3.80 inches	Volume: 45.76 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 45.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3284.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	133.02 ft			
Tool Length:	161.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

**Tool Description      Length (ft)    Serial No.    Position    Depth (ft)    Accum. Lengths**

Change Over Sub	1.00			3257.00	
Shut In Tool	5.00			3262.00	
Hydraulic tool	5.00			3267.00	
Jars	5.00			3272.00	
Safety Joint	2.00			3274.00	
Packer	5.00			3279.00	28.00      Bottom Of Top Packer
Packer	5.00			3284.00	
Stubb	1.00			3285.00	
Perforations	7.00			3292.00	
Recorder	0.01	8167	Inside	3292.01	
Blank Spacing	95.00			3387.01	
Perforations	27.00			3414.01	
Recorder	0.01	13534	Outside	3414.02	
Bullhose	3.00			3417.02	133.02      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>161.02</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Bill Bowman Oil Company

**Peavey #5**

2640 W.Road  
Natoma Ks 67651

**26-11s-18w Ellis**

Job Ticket: 22739

**DST#: 1**

ATTN: Bill Bowman

Test Start: 2005.12.06 @ 21:11:48

**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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.36 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
60.00	SOCM 2%Oil	0.842

Total Length: 60.00 ft      Total Volume: 0.842 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

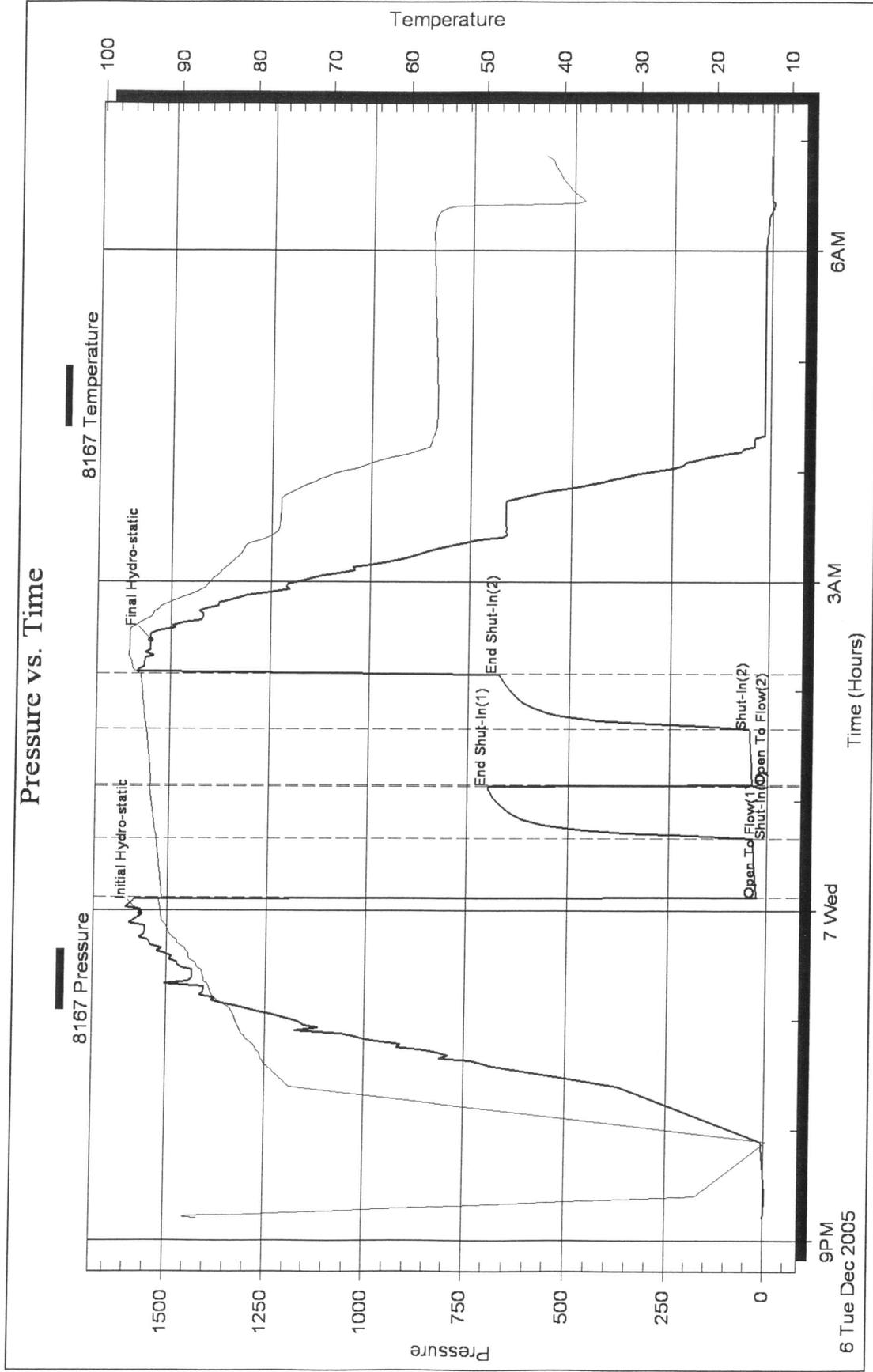
Serial #: 8167

Inside

Bill Bowman Oil Company

26-11s-18w Ellis

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Bill Bowman Oil Company**

2640 W. Road  
Natoma Ks 67651

ATTN: Bill Bowman

**26-11s-18w Ellis**

**Peavey #5**

Start Date: 2005.12.08 @ 06:49:19

End Date: 2005.12.08 @ 16:39:18

Job Ticket #: 22740                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Bill Bowman Oil Company

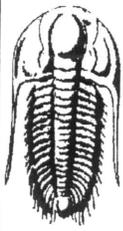
Peavey #5

26-11s-18w Ellis

DST # 2

LKC:Arb

2005.12.08



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Bill Bowman Oil Company

**Peavey #5**

2640 W.Road  
Natoma Ks 67651

**26-11s-18w Ellis**

Job Ticket: 22740

**DST#: 2**

ATTN: Bill Bowman

Test Start: 2005.12.08 @ 06:49:19

### GENERAL INFORMATION:

Formation: **LKC-Arb**

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

Time Tool Opened: 10:44:48

Time Test Ended: 16:39:18

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Interval: **3476.00 ft (KB) To 3657.00 ft (KB) (TVD)**

Reference Elevations: **2071.00 ft (KB)**

Total Depth: **3657.00 ft (KB) (TVD)**

**2066.00 ft (CF)**

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

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

### Serial #: 8167

**Inside**

Press@RunDepth: **764.74 psig @ 3480.01 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.12.08**

End Date:

**2005.12.08**

Last Calib.: **2005.12.08**

Start Time: **06:49:19**

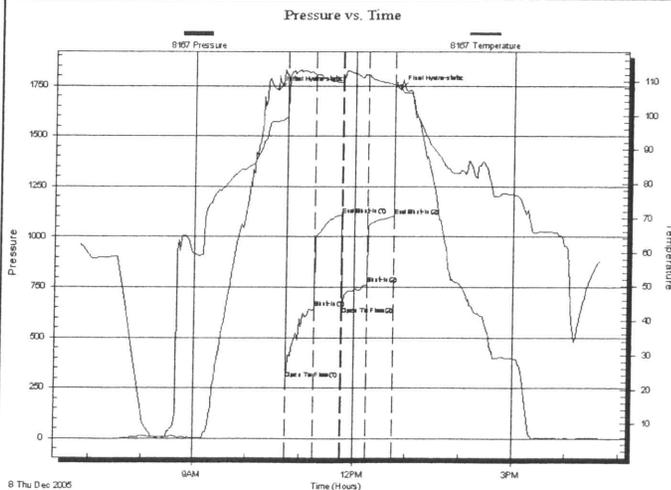
End Time:

**16:39:18**

Time On Btm: **2005.12.08 @ 10:33:48**

Time Off Btm: **2005.12.08 @ 12:51:18**

TEST COMMENT: IFP-strg bl in 2 min  
FFP-strg bl in 4 min  
Times 30-30-30-30



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.53	98.16	Initial Hydro-static
11	294.59	100.13	Open To Flow (1)
42	647.23	111.83	Shut-In(1)
72	1106.50	109.60	End Shut-In(1)
73	653.66	111.07	Open To Flow (2)
101	764.74	111.95	Shut-In(2)
131	1104.03	109.21	End Shut-In(2)
138	1733.15	109.08	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
300.00	WCM 25%W 75%M	4.21
1260.00	Water RW.41@41F	17.67

### Gas Rates

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



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## DRILL STEM TEST REPORT

TOOL DIAGRAM

Bill Bowman Oil Company

Peavey #5

2640 W.Road  
Natoma Ks 67651

26-11s-18w Ellis

Job Ticket: 22740

DST#: 2

ATTN: Bill Bowman

Test Start: 2005.12.08 @ 06:49:19

### Tool Information

Drill Pipe:	Length: 3478.00 ft	Diameter: 3.80 inches	Volume: 48.79 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: 50000.00 lb
			<u>Total Volume: 48.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3476.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	181.02 ft			
Tool Length:	209.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3449.00	
Shut In Tool	5.00			3454.00	
Hydraulic tool	5.00			3459.00	
Jars	5.00			3464.00	
Safety Joint	2.00			3466.00	
Packer	5.00			3471.00	28.00 Bottom Of Top Packer
Packer	5.00			3476.00	
Stubb	1.00			3477.00	
Perforations	3.00			3480.00	
Recorder	0.01	8167	Inside	3480.01	
Blank Spacing	156.00			3636.01	
Perforations	18.00			3654.01	
Recorder	0.01	13534	Outside	3654.02	
Bullnose	3.00			3657.02	181.02 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>209.02</b>				



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**FLUID SUMMARY**

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**26-11s-18w Ellis**

Job Ticket: 22740

**DST#: 2**

ATTN: Bill Bowman

Test Start: 2005.12.08 @ 06:49:19

### 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:	27000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	WCM 25%W75%M	4.208
1260.00	Water RW.41@41F	17.674

Total Length: 1560.00 ft      Total Volume: 21.882 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time

