

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **H&M Petro.**

13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80821

ATTN: Randy Say

7-12s-30w Gove KS

Bonita Springs #1

Start Date: 2008.12.16 @ 02:53:05

End Date: 2008.12.16 @ 10:41:59

Job Ticket #: 34172 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

H&M Petro.

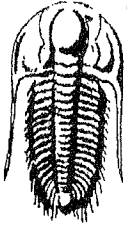
Bonita Springs #1

7-12s-30w Gove KS

DST # 1

Lans C

2008.12.16



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DRILL STEM TEST REPORT

H&M Petro.
13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80821
ATTN: Randy Say

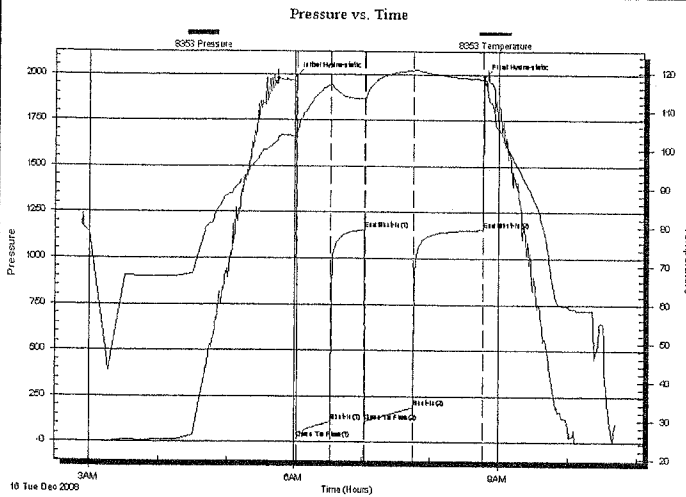
Bonita Springs #1
7-12s-30w Gove KS
Job Ticket: 34172 DST#: 1
Test Start: 2008.12.16 @ 02:53:05

GENERAL INFORMATION:

Formation: **Lans C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:02:15
 Time Test Ended: 10:41:59
 Test Type: Conventional Bottom Hole
 Tester: Brandon Domsch
 Unit No: 25
 Interval: **3999.00 ft (KB) To 4023.00 ft (KB) (TVD)**
 Total Depth: 4000.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 Reference Elevations: 2915.00 ft (KB)
 2910.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8353 Inside
 Press@RunDepth: 187.82 psig @ 4000.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.12.16 End Date: 2008.12.16 Last Calib.: 2008.12.16
 Start Time: 02:53:05 End Time: 10:41:59 Time On Btm: 2008.12.16 @ 06:01:30
 Time Off Btm: 2008.12.16 @ 08:46:59

TEST COMMENT: IF: BOB in 21 mins.
 IS: No return.
 FF: BOB in 30 mins.
 FS: No return.



PRESSURE SUMMARY

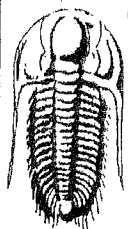
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1989.27	104.38	Initial Hydro-static
1	15.76	104.01	Open To Flow (1)
30	110.54	116.87	Shut-In(1)
61	1155.01	113.14	End Shut-In(1)
61	113.15	112.85	Open To Flow(2)
104	187.82	120.66	Shut-In(2)
165	1155.87	118.33	End Shut-In(2)
166	1984.70	117.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	SMCW 95%w 5% m	2.36
124.00	M&W w/ an O scum 50%w 50% m	1.74
0.00	GIP 0	0.00
0.00	RW= .089@54F= 125000	0.00

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

H&M Petro.
13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80821
ATTN: Randy Say

Bonita Springs #1
7-12s-30w Gove KS
Job Ticket: 34172 **DST#: 1**
Test Start: 2008.12.16 @ 02:53:05

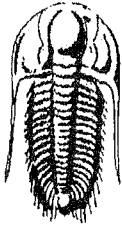
Tool Information

Drill Pipe:	Length: 3873.00 ft	Diameter: 3.80 inches	Volume: 54.33 bbl	Tool Weight: 1500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 54.93 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3999.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	47.00 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			3977.00	
Shut In Tool	5.00			3982.00	
Hydraulic tool	5.00			3987.00	
Safety Joint	3.00			3990.00	
Packer	5.00			3995.00	23.00 Bottom Of Top Packer
Packer	4.00			3999.00	
Stubb	1.00			4000.00	
Recorder	0.00	8353	Inside	4000.00	
Recorder	0.00	6741	Inside	4000.00	
Perforations	18.00			4018.00	
Bullnose	5.00			4023.00	24.00 Bottom Packers & Anchor

Total Tool Length: 47.00



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FLUID SUMMARY

H&M Petro.
13570 Meadowgrass Dr.
Ste 101
Colorado Springs, CO 80821
ATTN: Randy Say

Bonita Springs #1
7-12s-30w Gove KS
Job Ticket: 34172 **DST#: 1**
Test Start: 2008.12.16 @ 02:53:05

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:	125000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.78 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	SMCW 95%w 5%m	2.358
124.00	M&W w/ an O scum 50%w 50%m	1.739
0.00	GIP 0	0.000
0.00	RW= .089@54F= 125000	0.000

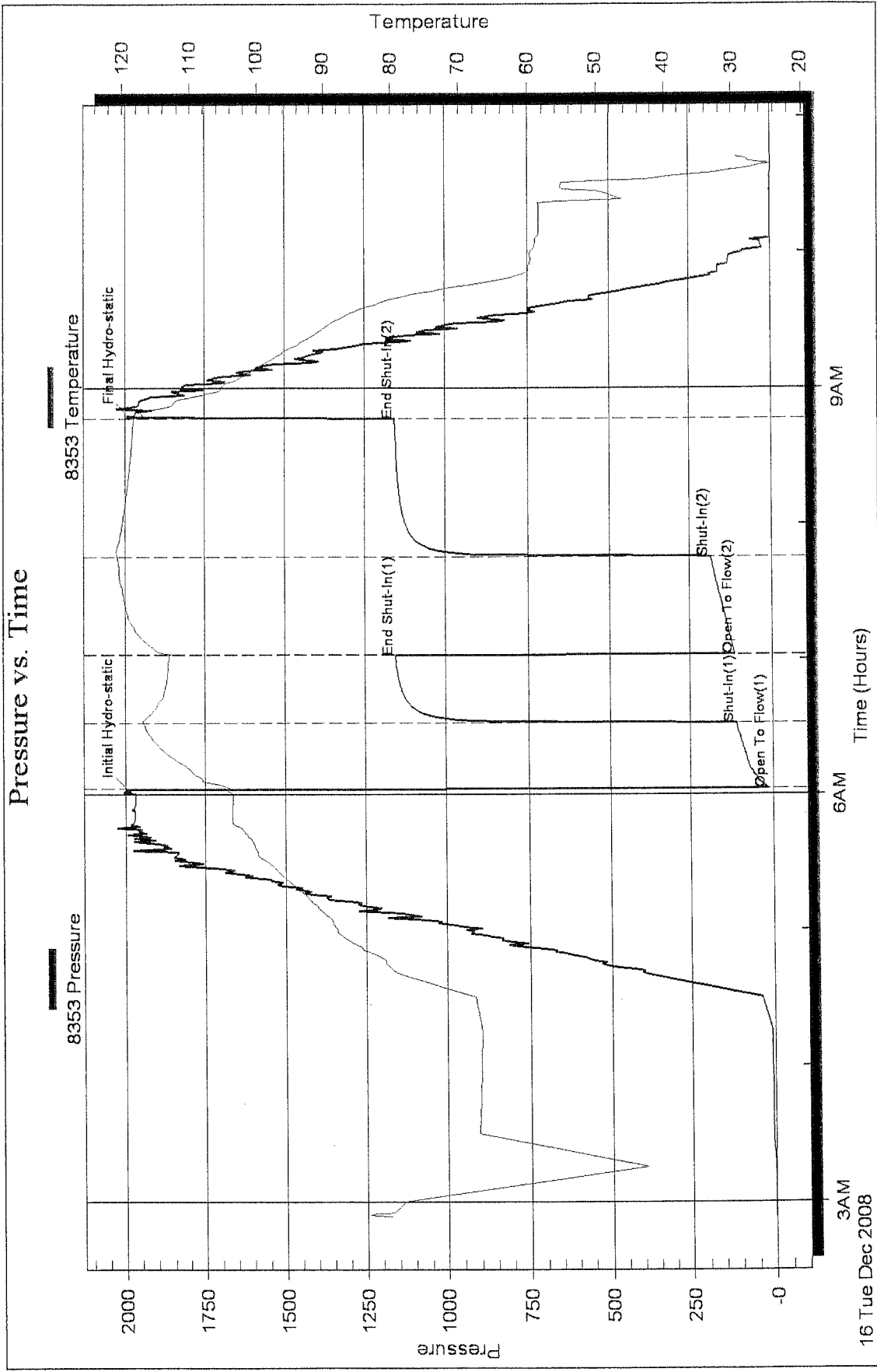
Total Length: 372.00 ft Total Volume: 4.097 bbl

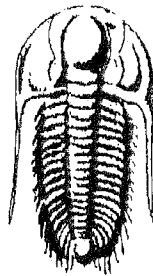
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





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Prepared For: **H&M Petro.**

13570 Meadowgrass Dr.
Ste 101
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ATTN: Randy Say

7-12s-30w Gove KS

Bonita Springs #1

Start Date: 2008.12.16 @ 19:14:05

End Date: 2008.12.17 @ 03:08:29

Job Ticket #: 34173 DST #: 2

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H&M Petro.

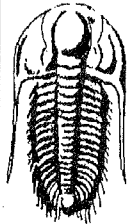
Bonita Springs #1

7-12s-30w Gove KS

DST # 2

Lans E

2008.12.16



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DRILL STEM TEST REPORT

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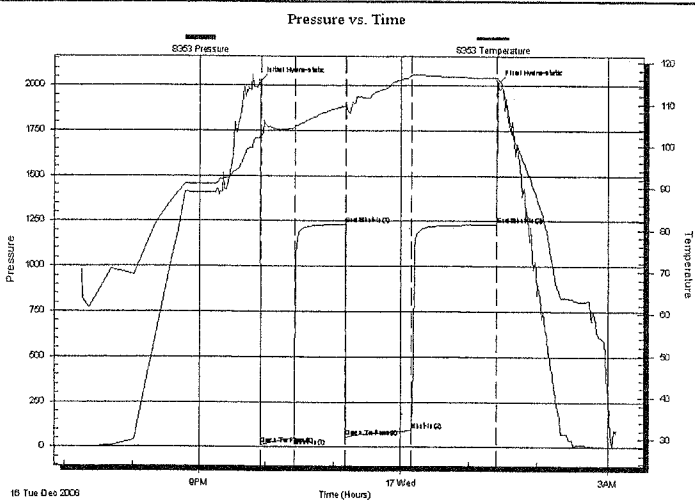
Bonita Springs #1
7-12s-30w Gove KS
Job Ticket: 34173 DST#: 2
Test Start: 2008.12.16 @ 19:14:05

GENERAL INFORMATION:

Formation: **Lans E**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:55:45
Time Test Ended: 03:08:29
Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 25
Interval: **4051.00 ft (KB) To 4064.00 ft (KB) (TVD)**
Reference Elevations: 2915.00 ft (KB)
Total Depth: 4051.00 ft (KB) (TVD) 2910.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8353 Inside
Press@RunDepth: 92.45 psig @ 4052.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.12.16 End Date: 2008.12.17 Last Calib.: 2008.12.17
Start Time: 19:14:05 End Time: 03:08:29 Time On Btm: 2008.12.16 @ 21:54:15
Time Off Btm: 2008.12.17 @ 01:25:44

TEST COMMENT: IF: Built to 3 1/2 inches.
IS: No return.
FF: Built to 4 1/2 inches.
FS: Surface blow for 12 mins.



PRESSURE SUMMARY

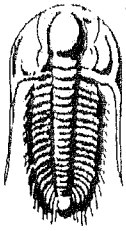
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2023.34	102.88	Initial Hydro-static
2	11.83	102.15	Open To Flow (1)
31	51.16	104.45	Shut-In(1)
76	1231.19	109.59	End Shut-In(1)
77	53.69	109.37	Open To Flow (2)
136	92.45	116.87	Shut-In(2)
211	1230.27	116.35	End Shut-In(2)
212	2011.80	116.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	M 100% m	0.10
115.00	WCM 40% w 60% m	0.67
0.00	GIP 0	0.00
0.00	RW = N/A	0.00

Gas Rates

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



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Job Ticket: 34173 DST#: 2
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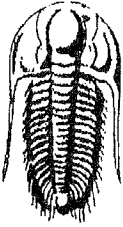
Tool Information

Drill Pipe:	Length: 3930.00 ft	Diameter: 3.80 inches	Volume: 55.13 bbl	Tool Weight: 1500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 55.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4051.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	36.00 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			4029.00	
Shut In Tool	5.00			4034.00	
Hydraulic tool	5.00			4039.00	
Safety Joint	3.00			4042.00	
Packer	5.00			4047.00	23.00 Bottom Of Top Packer
Packer	4.00			4051.00	
Stubb	1.00			4052.00	
Recorder	0.00	8353	Inside	4052.00	
Recorder	0.00	6741	Inside	4052.00	
Perforations	7.00			4059.00	
Bullnose	5.00			4064.00	13.00 Bottom Packers & Anchor

Total Tool Length: 36.00



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Job Ticket: 34173 DST#: 2
Test Start: 2008.12.16 @ 19:14:05

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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	M 100% _m	0.098
115.00	WCM 40% _w 60% _m	0.675
0.00	GIP 0	0.000
0.00	RW = N/A	0.000

Total Length: 135.00 ft Total Volume: 0.773 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

