

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

P.O. Box 47
Great Bend, Ks

ATTN: Rich O Donnell

24-16s-28w Lane

Bentley-Ewing Unit 1

Start Date: 2005.03.24 @ 20:30:54

End Date: 2005.03.25 @ 01:57:59

Job Ticket #: 20524 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

Carmen Schmitt Inc

Bentley-Ewing Unit 1

P.O. Box 47
Great Bend, Ks

24-16s-28w Lane

Job Ticket: 20524

DST#: 1

ATTN: Rich O Donnell

Test Start: 2005.03.24 @ 20:30:54

GENERAL INFORMATION:

Formation: **Lansing G-H-I-J**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 22:58:14
 Time Test Ended: 01:57:59

Test Type: **Conventional Bottom Hole**
 Tester: **Brandon Turley**
 Unit No: **18**

Interval: **4082.00 ft (KB) To 4176.00 ft (KB) (TVD)**
 Total Depth: **4176.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2689.00 ft (KB)**
2684.00 ft (CF)
 KB to GR/CF: **5.00 ft**

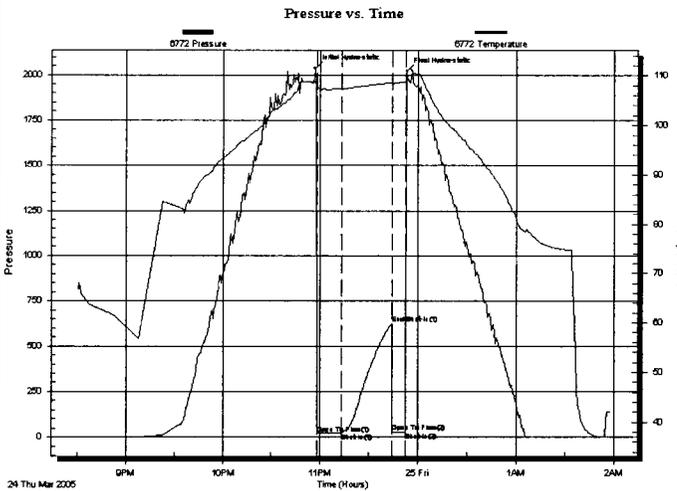
Serial #: 6772

Inside

Press@RunDepth: **23.32 psig @ 4177.00 ft (KB)**
 Start Date: **2005.03.24** End Date: **2005.03.25**
 Start Time: **20:30:54** End Time: **01:57:59**

Capacity: **7000.00 psig**
 Last Calib.: **1899.12.30**
 Time On Btrr: **2005.03.24 @ 22:56:44**
 Time Off Btrr: **2005.03.24 @ 23:52:59**

TEST COMMENT: IF: Surface blow built to 1/4 died in 10 min.
 IS: No return.
 FF: No blow pulled tool after 10 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2035.64	108.96	Initial Hydro-static
2	19.62	107.75	Open To Flow (1)
17	23.32	107.32	Shut-In(1)
48	625.08	108.57	End Shut-In(1)
48	25.39	108.43	Open To Flow (2)
56	26.68	108.83	Shut-In(2)
57	2020.60	110.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud some oil spots 100% m	0.02

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

Bentley-Ewing Unit 1

P.O. Box 47
Great Bend, Ks

24-16s-28w Lane

Job Ticket: 20524

DST#: 1

ATTN: Rich O'Donnell

Test Start: 2005.03.24 @ 20:30:54

Tool Information

Drill Pipe:	Length: 4036.00 ft	Diameter: 3.80 inches	Volume: 56.61 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 57.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4176.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	94.00 ft			
Tool Length:	122.00 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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Stubb	1.00			4149.00	
Shut In Tool	5.00			4154.00	
Hydraulic tool	5.00			4159.00	
Jars	5.00			4164.00	
Safety Joint	3.00			4167.00	
Packer	5.00		Fluid	4172.00	28.00 Bottom Of Top Packer
Packer	4.00			4176.00	
Stubb	1.00			4177.00	
Recorder	0.00	6772	Inside	4177.00	
Perforations	23.00			4200.00	
Change Over Sub	1.00			4201.00	
Drill Pipe	63.00			4264.00	
Change Over Sub	1.00			4265.00	
Recorder	0.00	10248	Inside	4265.00	
Bullnose	5.00			4270.00	94.00 Bottom Packers & Anchor

Total Tool Length: 122.00



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FLUID SUMMARY

Carmen Schmitt Inc

Bentley-Ewing Unit 1

P.O. Box 47
Great Bend, Ks

24-16s-28w Lane

Job Ticket: 20524

DST#: 1

ATTN: Rich O Donnell

Test Start: 2005.03.24 @ 20:30:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud some oil spots 100% _m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

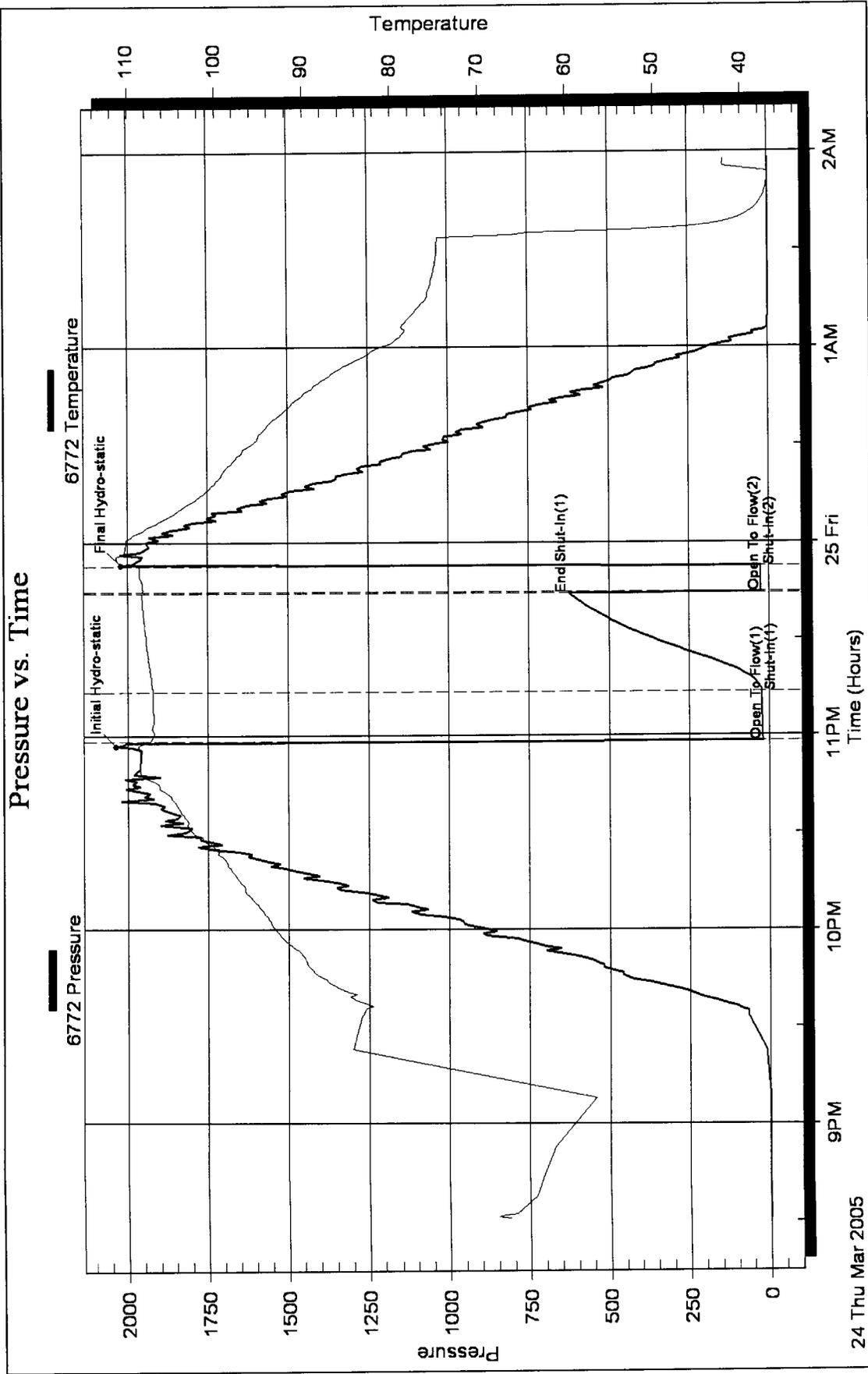
Recovery Comments:

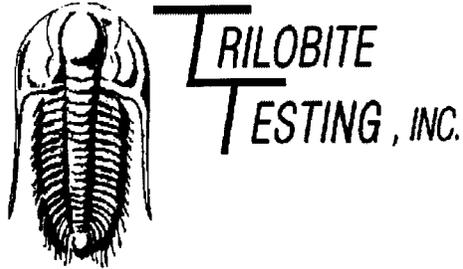
Serial #: 6772

Inside Carmen Schmitt Inc

24-16s-28w Lane

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

P.O. Box 47
Great Bend, Ks

ATTN: Rich O Donnell

24-16s-28w Lane

Bentley-Ewing Unit 1

Start Date: 2005.03.24 @ 10:00:13

End Date: 2005.03.24 @ 15:03:43

Job Ticket #: 20524 DST #: 2

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Bentley-Ewing Unit 1

P.O. Box 47
Great Bend, Ks

24-16s-28w Lane

ATTN: Rich O'Donnell

Job Ticket: 20524

DST#: 2

Test Start: 2005.03.24 @ 10:00:13

GENERAL INFORMATION:

Formation: **Lansing K**

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

Time Tool Opened: 12:02:58

Time Test Ended: 15:03:43

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **18**

Interval: **4176.00 ft (KB) To 4212.00 ft (KB) (TVD)**

Total Depth: **4212.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2689.00 ft (KB)**

2684.00 ft (CF)

KB to GRVCF: **5.00 ft**

Serial #: 6772

Inside

Press@RunDepth: **19.13 psig @ 4213.00 ft (KB)**

Start Date: **2005.03.24**

End Date:

2005.03.24

Start Time: **10:00:23**

End Time:

15:03:43

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2005.03.24 @ 12:01:13**

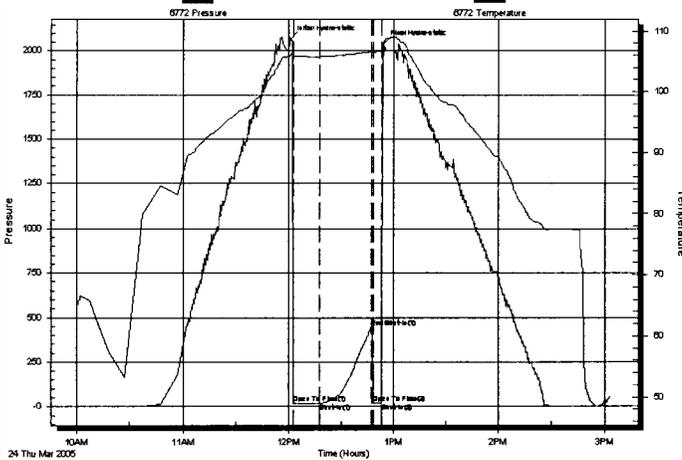
Time Off Btm: **2005.03.24 @ 12:54:13**

TEST COMMENT: IF: Suraface blow built to 1/4 died in 13 min.

IS: No return.

FF: No blow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2069.30	106.01	Initial Hydro-static
2	17.39	105.87	Open To Flow (1)
17	19.13	105.76	Shut-In(1)
47	442.83	106.61	End Shut-In(1)
47	19.76	106.54	Open To Flow (2)
52	20.28	106.68	Shut-In(2)
53	2039.35	107.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

Gas Rates

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



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TOOL DIAGRAM

Carmen Schmitt Inc

Bentley-Ewing Unit 1

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Job Ticket: 20524

DST#: 2

ATTN: Rich O'Donnell

Test Start: 2005.03.24 @ 10:00:13

Tool Information

Drill Pipe:	Length: 4098.00 ft	Diameter: 3.80 inches	Volume: 57.48 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 58.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4212.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4185.00	
Shut In Tool	5.00			4190.00	
Hydraulic tool	5.00			4195.00	
Jars	5.00			4200.00	
Safety Joint	3.00			4203.00	
Packer	5.00		Fluid	4208.00	28.00 Bottom Of Top Packer
Packer	4.00			4212.00	
Stubb	1.00			4213.00	
Recorder	0.00	6772	Inside	4213.00	
Perforations	30.00			4243.00	
Recorder	0.00	10248	Inside	4243.00	
Bullnose	5.00			4248.00	36.00 Bottom Packers & Anchor

Total Tool Length: 64.00



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Job Ticket: 20524

DST#: 2

ATTN: Rich O Donnell

Test Start: 2005.03.24 @ 10:00:13

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

