



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

36 21S 16W Pawnee KS

Prosser #1

Start Date: 2006.06.24 @ 21:00:23

End Date: 2006.06.25 @ 05:45:52

Job Ticket #: 24252 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Carmen Schmitt Inc

Prosser #1

36 21S 16W Pawnee KS

DST # 1

Lansing "A,B,C"

2006.06.24



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Prosser #1
36 21S 16W Pawnee KS
Job Ticket: 24252 **DST#: 1**
Test Start: 2006.06.24 @ 21:00:23

GENERAL INFORMATION:

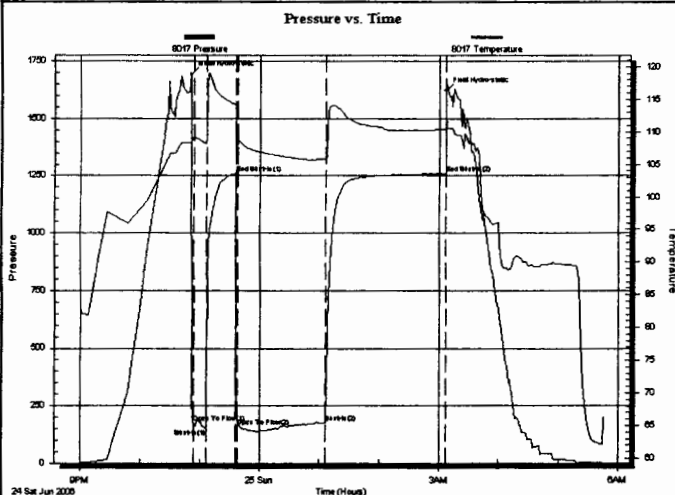
Formation: **Lansing "A,B,C"**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 22:53:07
Time Test Ended: 05:45:52
Interval: **3481.00 ft (KB) To 3550.00 ft (KB) (TVD)**
Total Depth: **3550.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Smith**
Unit No: **18**
Reference Elevations: **1986.00 ft (KB)**
1981.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8017

Inside

Press@RunDepth: **176.23 psig @ 3486.00 ft (KB)**
Start Date: **2006.06.24** End Date: **2006.06.25** Capacity: **7000.00 psig**
Start Time: **21:00:23** End Time: **05:45:52** Last Calib.: **2006.06.25**
Time On Btm: **2006.06.24 @ 22:50:37**
Time Off Btm: **2006.06.25 @ 03:06:37**

TEST COMMENT: **IF BOB @ 19 sec gas to surface @ 10 min**
ISI 6 min bleed no return
FF BOB immediately
FSI 5 1/2 min bleed surface blow after 10 min died @ 50 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1692.91	108.41	Initial Hydro-static
3	173.36	109.18	Open To Flow (1)
16	150.42	108.14	Shut-In (1)
46	1258.90	114.15	End Shut-In (1)
48	195.74	108.58	Open To Flow (2)
136	176.23	105.85	Shut-In (2)
256	1259.93	110.37	End Shut-In (2)
256	1621.71	113.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	GWCM 10%G 40%W 50%M	1.22
124.00	WCM 5%W 95%M	1.72
30.00	100%M	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	54.00	1068.40
Last Gas Rate	0.38	33.00	173.64
Max. Gas Rate	0.38	57.00	261.56



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

Prosser #1

PO Box 47
Great Bend KS 67530

36 21S 16W Pawnee KS

Job Ticket: 24252 DST#: 1

ATTN: Jacob Porter

Test Start: 2006.06.24 @ 21:00:23

Tool Information

Drill Pipe:	Length: 3234.00 ft	Diameter: 3.80 inches	Volume: 45.36 bbl	Tool Weight: 1800.00 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: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 46.59 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3481.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	97.00 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			3454.00	
Shut In Tool	5.00			3459.00	
Hydraulic tool	5.00			3464.00	
Jars	5.00			3469.00	
Safety Joint	3.00			3472.00	
Packer	5.00			3477.00	28.00 Bottom Of Top Packer
Packer	4.00			3481.00	
Stubb	1.00			3482.00	
Perforations	4.00			3486.00	
Recorder	0.00	8017	Inside	3486.00	
Perforations	25.00			3511.00	
Change Over Sub	1.00			3512.00	
Drill Pipe	32.00			3544.00	
Change Over Sub	1.00			3545.00	
Recorder	0.00	13276	Inside	3545.00	
Bullnose	5.00			3550.00	69.00 Bottom Packers & Anchor
Total Tool Length:		97.00			

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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

Prosser #1

PO Box 47
Great Bend KS 67530

36 21S 16W Pawnee KS

Job Ticket: 24252

DST#: 1

ATTN: Jacob Porter

Test Start: 2006.06.24 @ 21:00:23

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:

52000 ppm

Viscosity: 38.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.13 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	GWCM 10%G 40%W 50%M	1.220
124.00	WCM 5%W 95%M	1.721
30.00	100%M	0.421

Total Length: 402.00 ft

Total Volume: 3.362 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW; .156 @ 65 degree F = 52000 chlorides
3082 feet of gas in pipe.



**TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

Prosser #1

36 21S 16W Pawnee KS
Job Ticket: 24252 **DST#: 1**
Test Start: 2006.06.24 @ 21:00:23

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	5	0.75	54.00	1068.40
1	5	0.75	54.00	1068.40
1	10	0.75	37.00	802.86
1	15	0.75	19.00	521.70
2	10	0.75	19.00	521.70
2	20	0.75	15.00	459.22
2	30	0.38	57.00	261.56
2	40	0.38	39.00	195.62
2	50	0.38	36.00	184.63
2	60	0.38	35.00	180.96
2	70	0.38	34.00	177.30
2	80	0.38	33.00	173.64

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Serial #: 8017

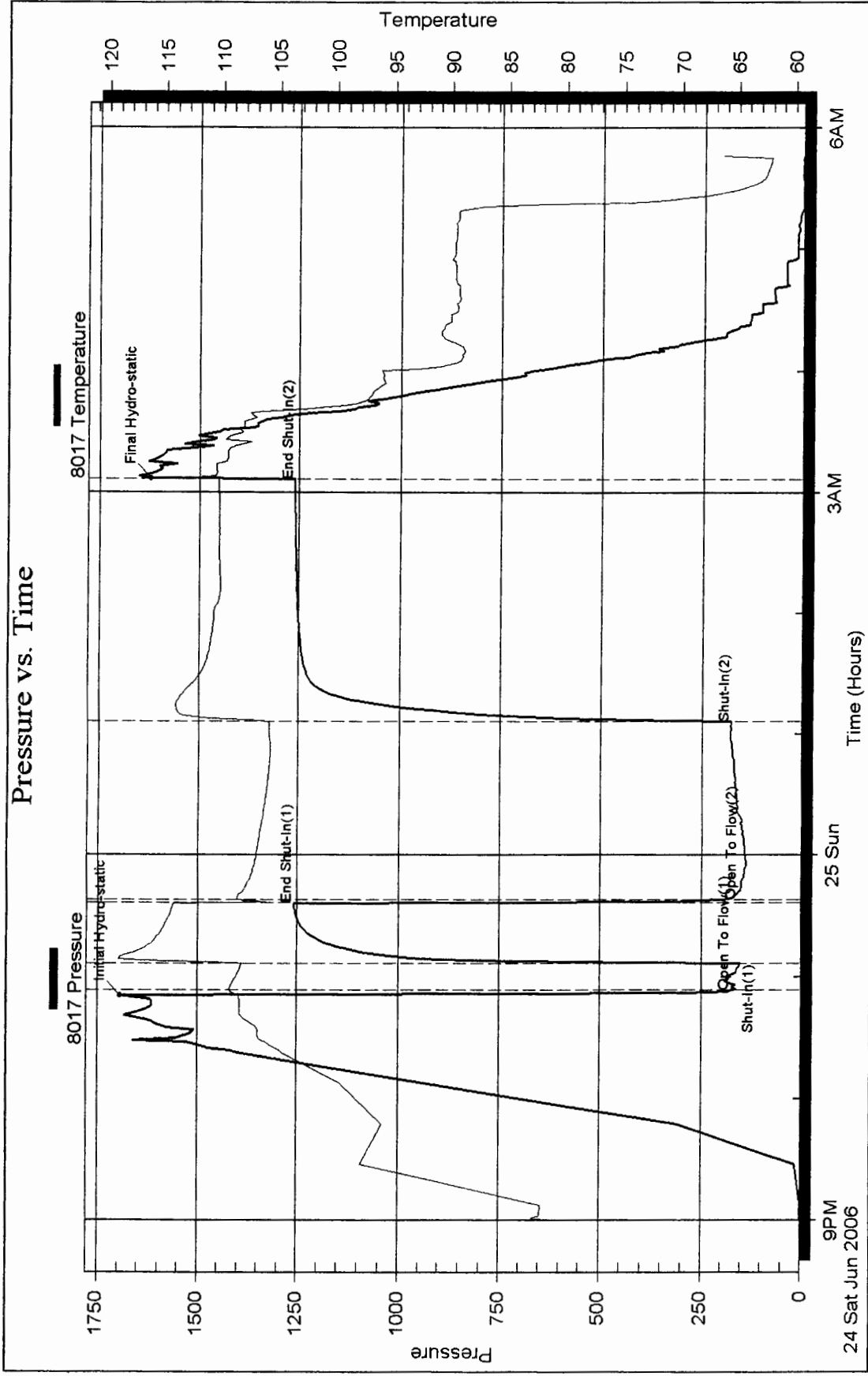
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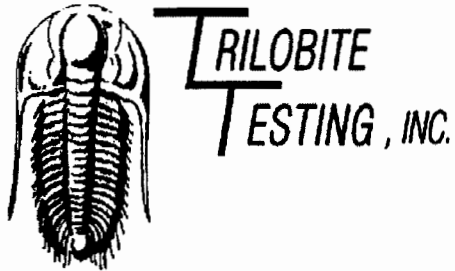
Carmen Schmitt Inc

36 21S 16W Pawnee KS

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

36 21S 16W Pawnee KS

Prosser #1

Start Date: 2006.06.25 @ 12:26:01

End Date: 2006.06.25 @ 23:40:30

Job Ticket #: 24253 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Carmen Schmitt Inc

Prosser #1

36 21S 16W Pawnee KS

DST # 2

Lansing "D.E"

2006.06.25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Prosser #1
36 21S 16W Pawnee KS
Job Ticket: 24253 **DST#: 2**
Test Start: 2006.06.25 @ 12:26:01

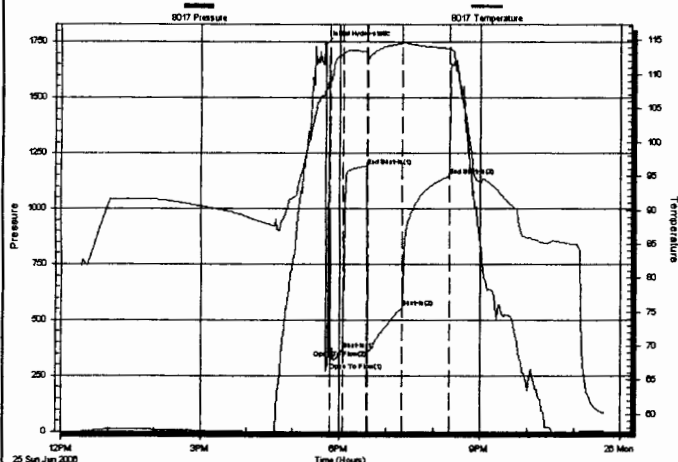
GENERAL INFORMATION:

Formation: **Lansing "D,E"**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 17:47:45
Time Test Ended: 23:40:30
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Smith**
Unit No: **18**
Interval: **3546.00 ft (KB) To 3595.00 ft (KB) (TVD)**
Total Depth: **3595.00 ft (KB) (TVD)**
Reference Elevations: **1986.00 ft (KB)**
1981.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Good**
KB to GR/CF: **5.00 ft**

Serial #: 8017 **Inside**
Press@RunDepth: **557.29 psig @ 3551.00 ft (KB)**
Start Date: **2006.06.25** End Date: **2006.06.25** Capacity: **7000.00 psig**
Start Time: **12:26:01** End Time: **23:40:30** Last Calib.: **2006.06.25**
Time On Btm: **2006.06.25 @ 17:41:45**
Time Off Btm:

TEST COMMENT: **IF Reset packer BOB @ 1 min**
ISI No return
FF BOB @ 4 min
FSI Surface return built to 5 "

Pressure vs. Time



PRESSURE SUMMARY

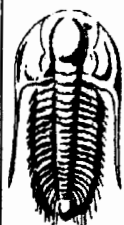
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1738.13	106.98	Initial Hydro-static
6	269.79	109.38	Open To Flow (1)
23	366.52	112.97	Shut-In(1)
54	1190.62	113.34	End Shut-In(1)
54	365.10	112.87	Open To Flow (2)
99	557.29	114.59	Shut-In(2)
159	1145.55	113.83	End Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
496.00	100% W	4.68
496.00	GWOCM 25%G 15%W 30%O 30%M	6.96
310.00	GMCO 25%G 5%M 70%O	4.35
186.00	GWOCM 30%G 20%W 20%O 30%M	2.61

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Prosser #1
36 21S 16W Pawnee KS
Job Ticket: 24253 **DST#: 2**
Test Start: 2006.06.25 @ 12:26:01

Tool Information

Drill Pipe:	Length: 3299.00 ft	Diameter: 3.80 inches	Volume: 46.28 bbl	Tool Weight: 1800.00 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: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 47.51 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3546.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	77.00 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			3519.00	
Shut In Tool	5.00			3524.00	
Hydraulic tool	5.00			3529.00	
Jars	5.00			3534.00	
Safety Joint	3.00			3537.00	
Packer	5.00			3542.00	28.00 Bottom Of Top Packer
Packer	4.00			3546.00	
Stubb	1.00			3547.00	
Perforations	4.00			3551.00	
Recorder	0.00	8017	Inside	3551.00	
Perforations	5.00			3556.00	
Change Over Sub	1.00			3557.00	
Drill Pipe	32.00			3589.00	
Change Over Sub	1.00			3590.00	
Recorder	0.00	13276	Inside	3590.00	
Bullnose	5.00			3595.00	49.00 Bottom Packers & Anchor
Total Tool Length:		77.00			

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**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

Prosser #1

PO Box 47
Great Bend KS 67530

36 21S 16W Pawnee KS

Job Ticket: 24253 **DST#: 2**

ATTN: Jacob Porter

Test Start: 2006.06.25 @ 12:26:01

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: 77000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume: bbl

Water Loss: 12.14 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 4200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
496.00	100% W	4.680
496.00	GWOCM 25%G 15%W 30%O 30%M	6.958
310.00	GMCO 25%G 5%M 70%O	4.348
186.00	GWOCM 30%G 20%W 20%O 30%M	2.609

Total Length: 1488.00 ft Total Volume: 18.595 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .110 @ 67 degree F = 77,000 chlorides.

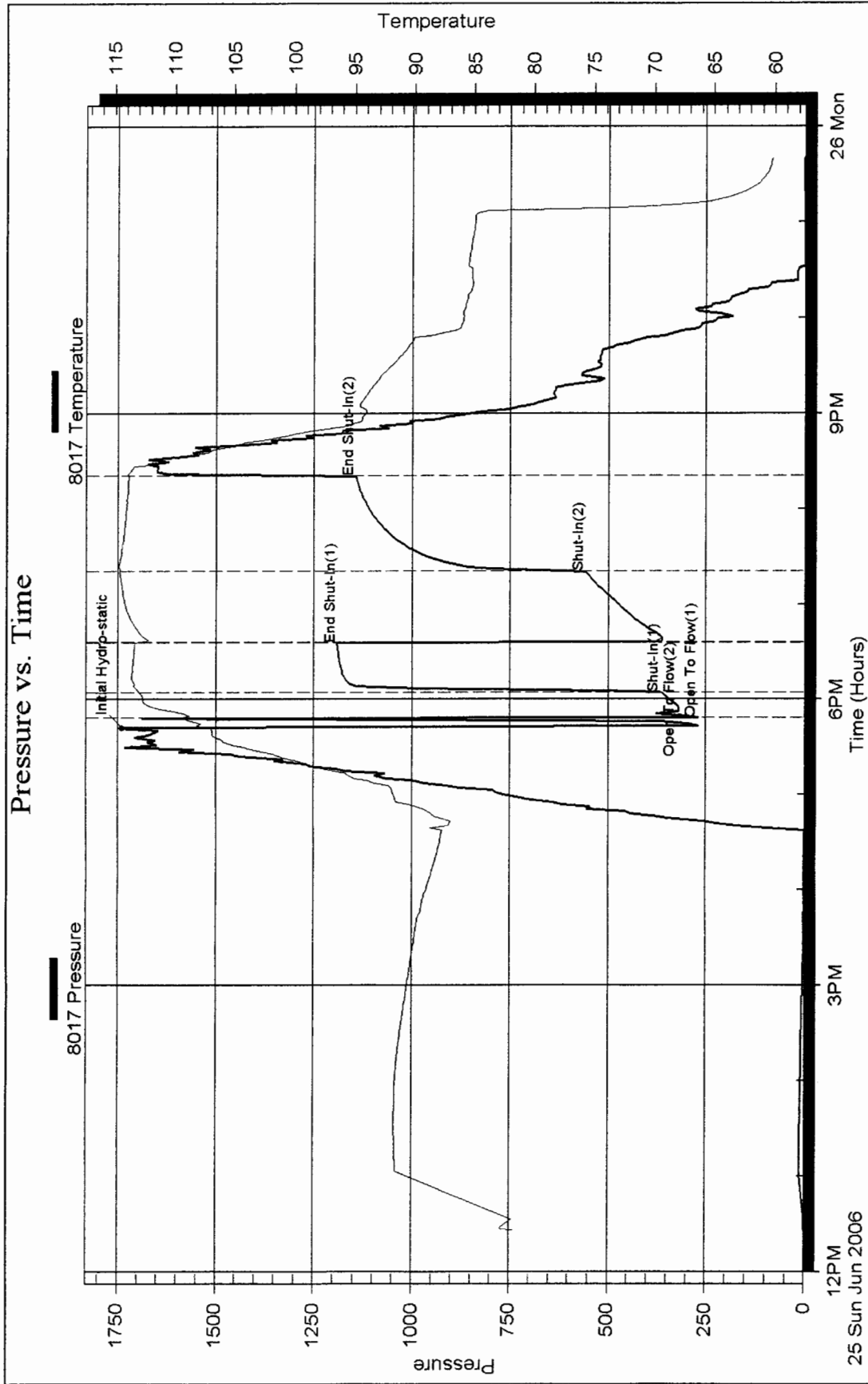
Serial #: 8017

Inside

Carmen Schmitt Inc

36 21S 16W Pawnee KS

DST Test Number: 2



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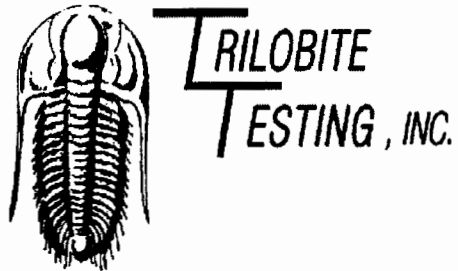
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Truette Testing, Inc

Ref. No: 24253

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DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

36 21S 16W Pawnee KS

Prosser #1

Start Date: 2006.06.26 @ 07:09:01

End Date: 2006.06.26 @ 14:30:00

Job Ticket #: 24254 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Carmen Schmitt Inc

Prosser #1

36 21S 16W Pawnee KS

DST # 3

Lansing "H,I"

2006.06.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Prosser #1
36 21S 16W Pawnee KS
Job Ticket: 24254 **DST#: 3**
Test Start: 2006.06.26 @ 07:09:01

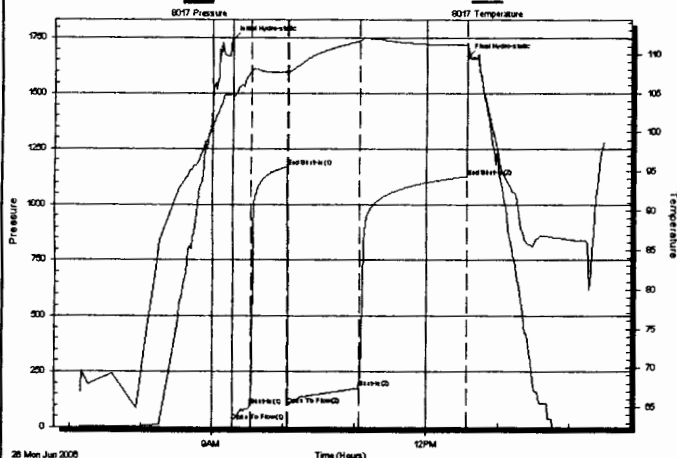
GENERAL INFORMATION:

Formation: **Lansing "H,I"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:17:30
Time Test Ended: 14:30:00
Interval: **3600.00 ft (KB) To 3645.00 ft (KB) (TVD)**
Total Depth: 3645.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches
Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 18
Reference Elevations: 1986.00 ft (KB)
1981.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8017 Inside
Press@RunDepth: 174.52 psig @ 3606.00 ft (KB)
Start Date: 2006.06.26 End Date: 2006.06.26
Start Time: 07:09:01 End Time: 14:30:00
Capacity: 7000.00 psig
Last Calib.: 2006.06.26
Time On Btm: 2006.06.26 @ 09:17:15
Time Off Btm: 2006.06.26 @ 12:34:00

TEST COMMENT: IF Surface blow built to 5 "
ISI No return
FF Surface blow built to 6 "
FSI No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.70	104.96	Initial Hydro-static
1	27.25	104.54	Open To Flow (1)
16	93.24	107.72	Shut-In (1)
46	1169.32	107.77	End Shut-In (1)
47	98.73	107.34	Open To Flow (2)
107	174.52	111.63	Shut-In (2)
197	1125.51	111.15	End Shut-In (2)
197	1666.17	111.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%M	0.02
307.00	MCW 10%M 90%W	2.07
20.00	WCM 10%W 90%M	0.28

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

Prosser #1
36 21S 16W Pawnee KS
Job Ticket: 24254 **DST#: 3**
Test Start: 2006.06.26 @ 07:09:01

Tool Information

Drill Pipe:	Length: 3329.00 ft	Diameter: 3.80 inches	Volume: 46.70 bbl	Tool Weight:	1800.00 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: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose:	65000.00 lb
		Total Volume:	47.93 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3600.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	73.00 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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Change Over Sub	1.00			3573.00	
Shut In Tool	5.00			3578.00	
Hydraulic tool	5.00			3583.00	
Jars	5.00			3588.00	
Safety Joint	3.00			3591.00	
Packer	5.00			3596.00	28.00 Bottom Of Top Packer
Packer	4.00			3600.00	
Stubb	1.00			3601.00	
Perforations	5.00			3606.00	
Recorder	0.00	8017	Inside	3606.00	
Perforations	34.00			3640.00	
Recorder	0.00	13276	Inside	3640.00	
Bullnose	5.00			3645.00	45.00 Bottom Packers & Anchor

Total Tool Length: 73.00

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TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Prosser #1
36 21S 16W Pawnee KS
Job Ticket: 24254 **DST#: 3**
Test Start: 2006.06.26 @ 07:09:01

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 42.00 sec/qt
Water Loss: 12.74 in³
Resistivity: 0.00 ohm.m
Salinity: 6000.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: 0 deg API
Water Salinity: 57000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%M	0.025
307.00	MCW 10%M 90%W	2.075
20.00	WCM 10%W 90%M	0.281

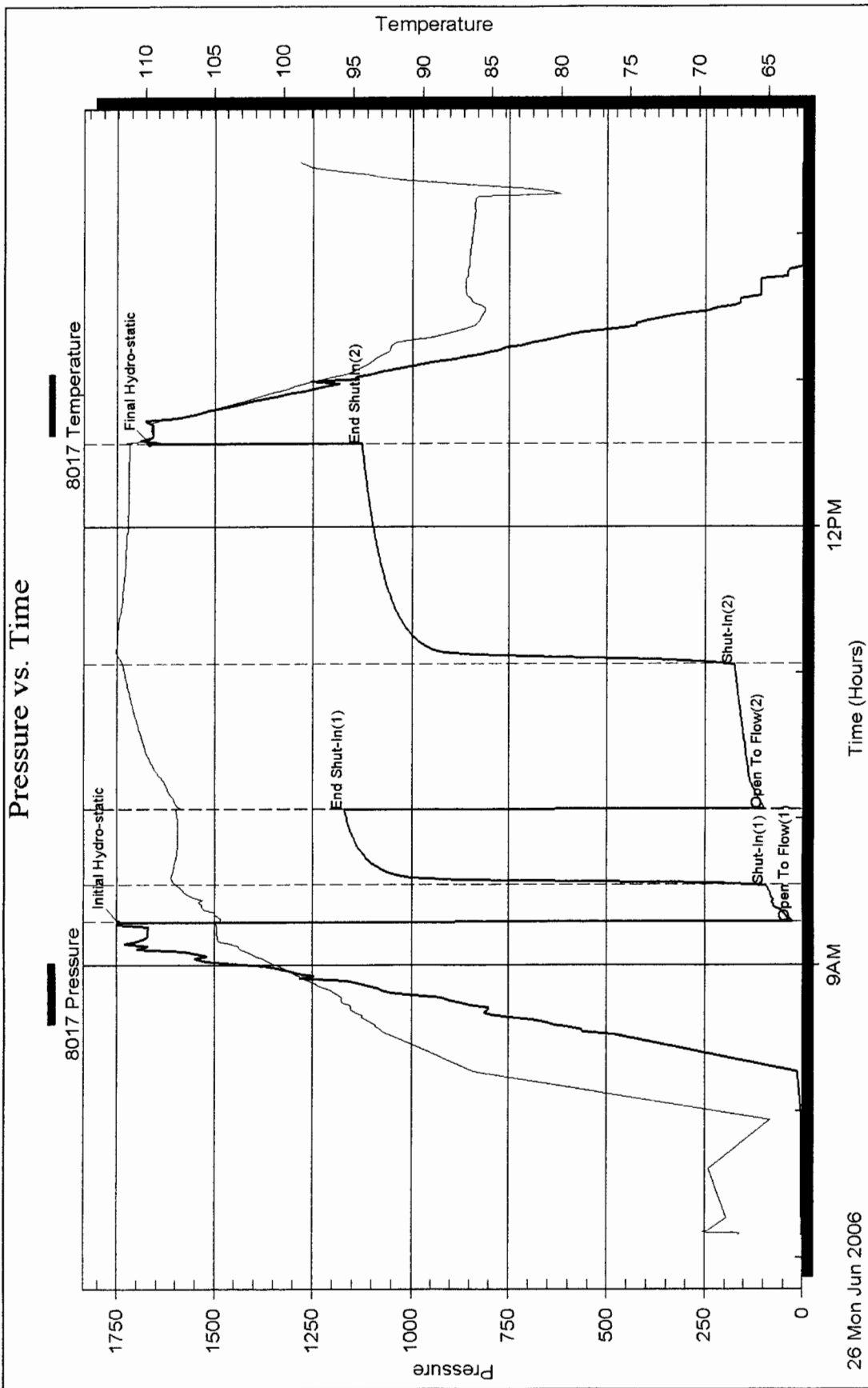
Total Length: 332.00 ft Total Volume: 2.381 bbl

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

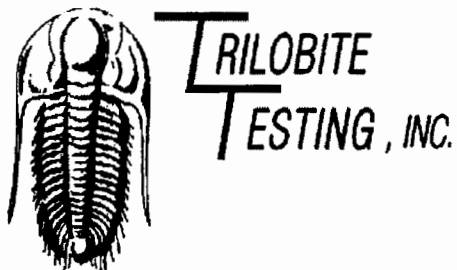
Laboratory Name: Laboratory Location:

Recovery Comments: RW; .103 @ 93 degree F = 57000 chlorides.

Pressure vs. Time



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DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

36 21S 16W Pawnee KS

Prosser #1

Start Date: 2006.06.27 @ 11:18:01

End Date: 2006.06.27 @ 16:52:00

Job Ticket #: 24255 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Carmen Schmitt Inc

Prosser #1

36 21S 16W Pawnee KS

DST # 4

Simpson

2006.06.27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Prosser #1
36 21S 16W Pawnee KS
Job Ticket: 24255 **DST#:4**
Test Start: 2006.06.27 @ 11:18:01

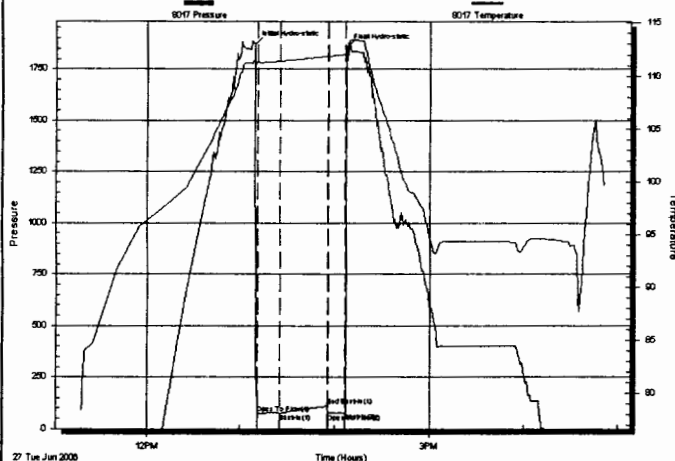
GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:11:00
Time Test Ended: 16:52:00
Interval: **3844.00 ft (KB) To 3880.00 ft (KB) (TVD)**
Total Depth: 3880.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 18
Reference Elevations: 1986.00 ft (KB)
1981.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8017 Inside
Press@RunDepth: 76.24 psig @ 3850.00 ft (KB)
Start Date: 2006.06.27 End Date: 2006.06.27
Start Time: 11:18:01 End Time: 16:52:00
Capacity: 7000.00 psig
Last Calib.: 2006.06.27
Time On Btm: 2006.06.27 @ 13:09:30
Time Off Btm: 2006.06.27 @ 14:07:15

TEST COMMENT: IF Surface blow built to 3" then receded to 2"
ISI No return
FF No blow pulled tool @ 10 min after closing it
FSI

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1868.90	111.55	Initial Hydro-static
2	73.99	111.47	Open To Flow (1)
16	76.24	111.41	Shut-In (1)
46	110.03	111.88	End Shut-In (1)
47	75.99	111.87	Open To Flow (2)
57	77.34	112.04	Shut-In (2)
58	1851.79	112.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	100%M	0.61

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Prosser #1
36 21S 16W Pawnee KS
Job Ticket: 24255 **DST#: 4**
Test Start: 2006.06.27 @ 11:18:01

Tool Information

Drill Pipe:	Length: 3580.00 ft	Diameter: 3.80 inches	Volume: 50.22 bbl	Tool Weight: 1800.00 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: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 51.45 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3844.00 ft			Final 46000.00 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
Change Over Sub	1.00			3817.00	
Shut In Tool	5.00			3822.00	
Hydraulic tool	5.00			3827.00	
Jars	5.00			3832.00	
Safety Joint	3.00			3835.00	
Packer	5.00			3840.00	28.00 Bottom Of Top Packer
Packer	4.00			3844.00	
Stubb	1.00			3845.00	
Perforations	5.00			3850.00	
Recorder	0.00	8017	Inside	3850.00	
Perforations	25.00			3875.00	
Recorder	0.00	13276	Inside	3875.00	
Bullnose	5.00			3880.00	36.00 Bottom Packers & Anchor

Total Tool Length: 64.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Prosser #1
36 21S 16W Pawnee KS
Job Ticket: 24255 **DST#: 4**
Test Start: 2006.06.27 @ 11:18:01

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 42.00 sec/qt
Water Loss: 10.77 in³
Resistivity: 0.00 ohm.m
Salinity: 6300.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	100%M	0.610

Total Length: 124.00 ft Total Volume: 0.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

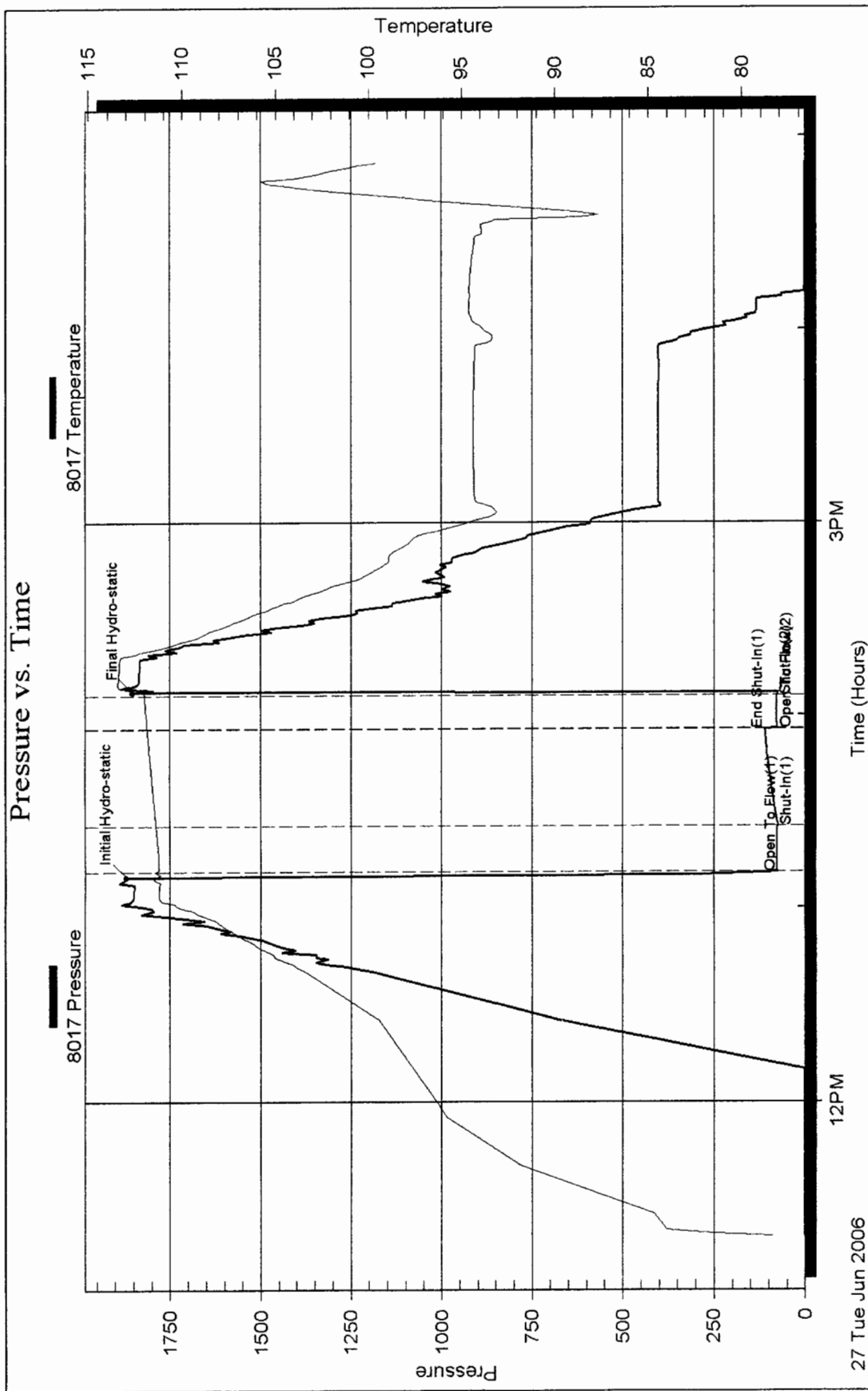
DST Test Number: 4

36 21S 16W Pawnee KS

Carmen Schmitt Inc

Inside

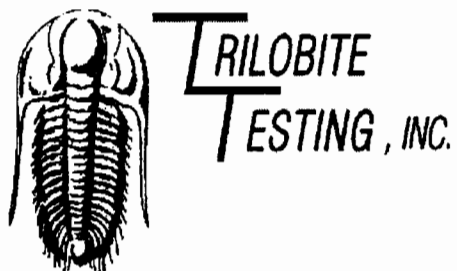
Serial #: 8017



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DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

36 21S 16W Pawnee KS

Prosser #1

Start Date: 2006.06.27 @ 23:46:01

End Date: 2006.06.28 @ 07:03:45

Job Ticket #: 24256 DST #: 5

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

Printed: 2006.07.06 @ 11:18:42 Page 1

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Carmen Schmitt Inc

Prosser #1

36 21S 16W Pawnee KS

DST # 5

Simpson/Arbuckle

2006.06.27



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

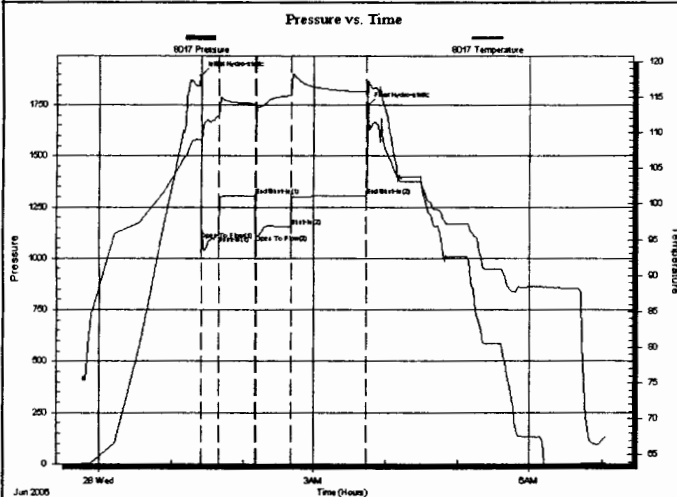
Prosser #1
36 21S 16W Pawnee KS
Job Ticket: 24256 **DST#: 5**
Test Start: 2006.06.27 @ 23:46:01

GENERAL INFORMATION:

Formation: **Simpson/Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:24:45
Time Test Ended: 07:03:45
Interval: **3842.00 ft (KB) To 3905.00 ft (KB) (TVD)**
Total Depth: 3550.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 18
Reference Elevations: 1986.00 ft (KB)
1981.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8017 Inside
Press@RunDepth: 1155.06 psig @ 3847.00 ft (KB)
Start Date: 2006.06.27 End Date: 2006.06.28
Start Time: 23:46:01 End Time: 07:03:45
Capacity: 7000.00 psig
Last Calib.: 2006.06.28
Time On Btm: 2006.06.28 @ 01:24:30
Time Off Btm: 2006.06.28 @ 03:44:30

TEST COMMENT: F BOB @ 30 sec gas to surface @ 2 min
ISI Bled off @ 22 min surface return @ 24 min
FF Immediate BOB with gas to surface
FSI Bled off in 19 min surface return built to 1"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1894.87	109.12	Initial Hydro-static
1	1089.99	108.85	Open To Flow (1)
16	1112.44	112.45	Shut-In(1)
46	1303.85	114.13	End Shut-In(1)
47	1072.24	110.22	Open To Flow (2)
77	1155.06	115.30	Shut-In(2)
140	1303.60	115.76	End Shut-In(2)
140	1747.67	116.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	100%M	0.54

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	240.00	3973.69
Last Gas Rate	0.75	330.00	5379.48
Max. Gas Rate	0.75	330.00	5379.48



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Prosser #1
36 21S 16W Pawnee KS
Job Ticket: 24256 **DST#: 5**
Test Start: 2006.06.27 @ 23:46:01

Tool Information

Drill Pipe:	Length: 3580.00 ft	Diameter: 3.80 inches	Volume: 50.22 bbl	Tool Weight:	1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	28000.00 lb
Drill Collar:	Length: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 51.45 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3842.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	63.00 ft				
Tool Length:	91.00 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			3815.00	
Shut In Tool	5.00			3820.00	
Hydraulic tool	5.00			3825.00	
Jars	5.00			3830.00	
Safety Joint	3.00			3833.00	
Packer	5.00			3838.00	28.00 Bottom Of Top Packer
Packer	4.00			3842.00	
Stubb	1.00			3843.00	
Perforations	4.00			3847.00	
Recorder	0.00	8017	Inside	3847.00	
Perforations	20.00			3867.00	
Change Over Sub	1.00			3868.00	
Drill Pipe	31.00			3899.00	
Change Over Sub	1.00			3900.00	
Recorder	0.00	13276	Inside	3900.00	
Bullnose	5.00			3905.00	63.00 Bottom Packers & Anchor
Total Tool Length:		91.00			

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OCT 23 2006

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Prosser #1
36 21S 16W Pawnee KS
Job Ticket: 24256 **DST#: 5**
Test Start: 2006.06.27 @ 23:46:01

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 42.00 sec/qt
Water Loss: 10.77 in³
Resistivity: 0.00 ohm.m
Salinity: 6300.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	100%M	0.541

Total Length: 110.00 ft Total Volume: 0.541 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3,720 feet of gas in pipe.



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Carmen Schmitt Inc

Prosser #1

PO Box 47
Great Bend KS 67530

36 21S 16W Pawnee KS

Job Ticket: 24256

DST#: 5

ATTN: Jacob Porter

Test Start: 2006.06.27 @ 23:46:01

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 (m³/d)
1	5	0.75	240.00	3973.69
1	5	0.75	240.00	3973.69
1	10	0.75	310.00	5067.08
1	15	0.75	330.00	5379.48
2	5	0.75	290.00	4754.68
2	10	0.75	330.00	5379.48
2	15	0.75	330.00	5379.48
2	20	0.75	330.00	5379.48
2	25	0.75	330.00	5379.48

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OCT 23 2006

KCC WICHITA

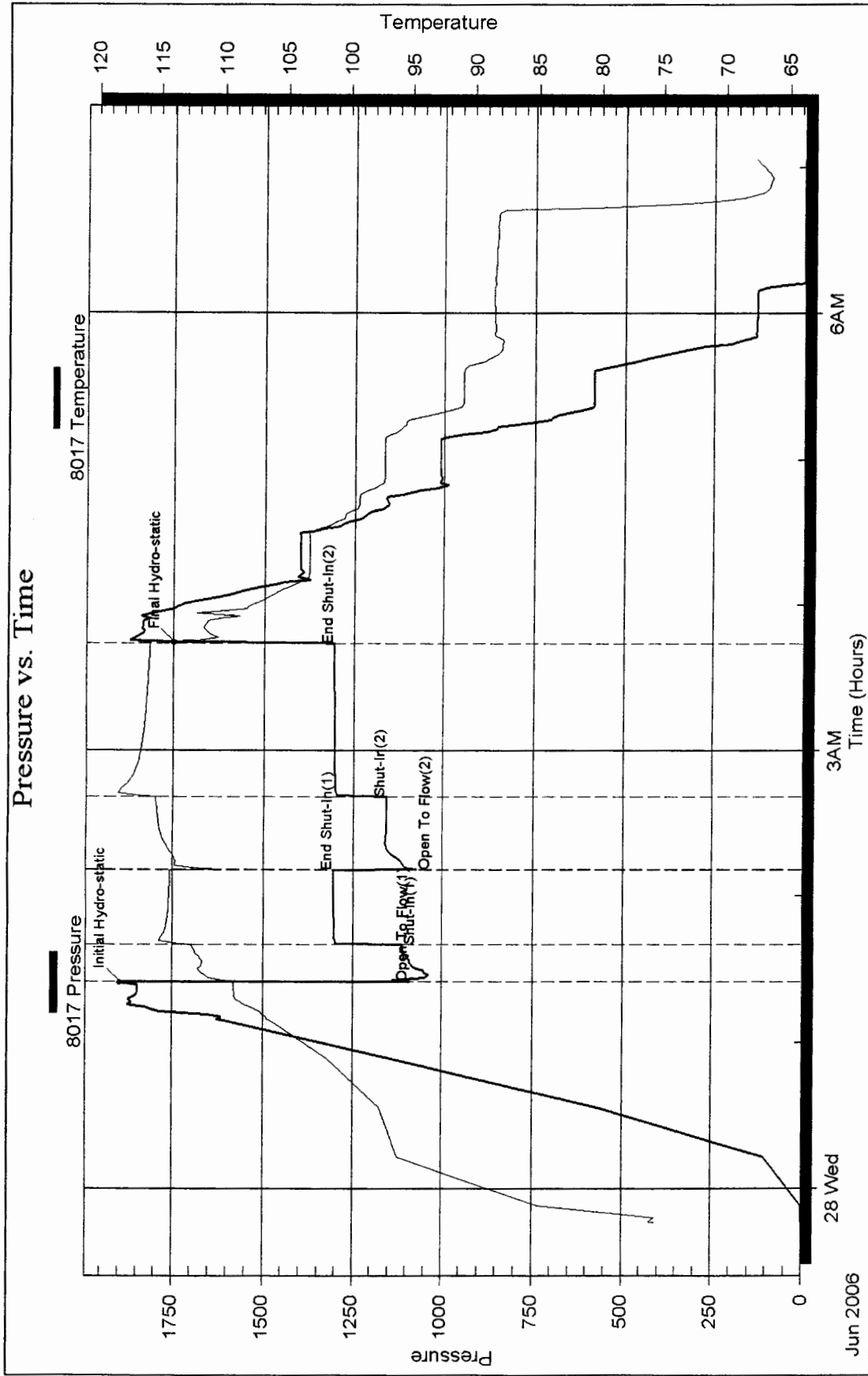
Serial #: 8017

Inside

Carmen Schmitt Inc

36 21'S 16W Pawnee KS

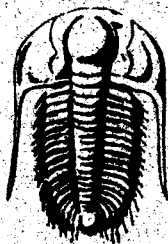
DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 24256

Printed: 2006.07.06 @ 11:18:43 Page 6



TRILOBITE TESTING, INC.

HAYS - SCOTT CITY - HUGOTON - PRATT - CLAY CITY, IL
Since 1986

P.O. BOX 362
HAYS, KANSAS 67601
(800) 728-5369
(785) 625-4778
Fax (785) 625-5620
trilobite@eaglecom.net

Friday, February 02, 2007

Jim Hemmen
Kansas Corporation Commission
130 S Market St Ste 2078
Wichita, KS 67202-3810

Dear Jim,

On 1/31/2007 I was hired by Carmenn Schmitt to perform back pressure tests on 2 Red Eagle wells in Stafford County and an Arbuckle well the Prosser #1 in Pawnee County. The shallow wells tested within the limits of equipment and had no problems, however we encountered several problems with the Prosser. First, the well has very high H₂s concentrations and the operator has 2 'towers' on location to scrub the gas. They have a pressure pop-off set at #125 and that proved to be a limiting factor in selling gas. Also the pipe from the well to the meter is Poly and is only rated at #150.

This is a very strong well and I was unable to get casing pressure past 1140 from a shutin pressure of 1167 and was blowing gas through the pop-off. With the concentrations of H₂s it would be very hard to flow this well through a prover for safety reasons.

I therefore respectfully ask that you assign a slope of .85 on this well for the G2 form.

Thanks in advance.

Sincerely,

Paul Simpson
Trilobite Testing, Inc

**KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST**

FORM G-1
8-7-58

TYPE TEST: ☒ Initial ☐ Annual ☐ Special		TEST DATE: 1/31/07	
COMPANY Carmen Schmitt Inc		LEASE Prosser	
COUNTY Pawnee		WELL NO. 1	
LOCATION SE SE SE	SECTION 36 21S 16W	TWP RNG	ACRES
FIELD Arbuckle		PIPELINE CONNECTION SemGas	
COMPLETION DATE 7/13/06	PLUG BACK DEPTH 3905	PACKER SET AT	
	TOTAL DEPTH 3905		
CASING SIZE 5.500	WT. 14.000	ID 3896	SET AT PERF.
TUBING SIZE 2.380	WT. 4.700	ID 1.995	SET AT PERF.
TYPE COMPLETION (Describe) Open Hole		TYPE FLUID PRODUCTION None	
PRODUCING THRU (Annulus/Tubing) Tubing		RESERVOIR TEMPERATURE F 14.4 psia	
GAS GRAVITY - Gg 0.652	% CARBON DIOXIDE 0.450	% NITROGEN 5.500	API GRAVITY OF LIQUID
VERTICAL DEPTH (H) 2426		TYPE METER CONN. flange	
REMARKS		METER RUN SIZE 2	

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (h _w) (h _t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w) (P _t) (P _c) psia	psig	(P _w) (P _t) (P _c) psia		
SHUT-IN						1167	1181	1158	1172	72.00	
1.	1.000	86.80	50.10	34		1154	1168	1129	1143	24.00	
2.	1.000	99.80	129.00	32		1147	1161	1109	1123	0.80	
3.	1.000	104.80	108.90	32		1140	1154	1104	1118	0.80	
4.											

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _D) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW Q Mcfd	GOR	G _m
1.	5.073	101.2	71.20	1.2384	1.0260	1.0102	463		0.652
2.	5.073	114.2	121.37	1.2384	1.0281	1.0117	793		0.652
3.	5.073	119.2	113.93	1.2384	1.0281	1.0122	744		0.652
4.									

PRESSURE CALCULATION

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² Thousands	(P _w) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² Thousands	Q Mcfd	
1.	1143.4	1181.4	1168.4	1395.7	1365.2	30.5	463.6	98.9
2.	1123.4	1181.4	1161.4	1395.7	1348.9	46.9	793.1	98.3
3.	1118.4	1181.4	1154.4	1395.7	1332.6	63.1	744.8	97.7
4.								

INDICATED WELLHEAD OPEN FLOW

Mcfd @ 14.65 psia "n" = **0.654**

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the _____ day of _____, 20____

Witness (if any)

For Company

For Commission

Checked by

GAS WELL BACK PRESSURE CURVE

WELL TESTER: Trilobite Testing

TEST DATE: 1/31/07

Carmen Schmitt Inc
Prosser
36 21S 16W
Pawnee, KS
Exponent n: 0.6539
AOF (MCF/Day): 5644.

$P_0^2 - P_w^2$ (10³ PSI²)

10

100

1000

Q (MCF/DAY)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev.8/98)

TYPE TEST:

- ☒ Open Flow
☒ Deliverability

TEST DATE: 2/1/07

API No. 145-21544-0000

Company Carmen Schmitt Inc		Lease Prosser		Well Number 1	
County Pawnee	Location SE SE SE	Section 36	TWP 21S	RNG (E/W) 16W	Acres Attributed
Field Arbuckle		Gas Gathering Connection SemGas			
Completion Date 7/13/06		Plug Back Total Depth 3905		Packer Set at	
Casing Size 5.500	Weight 14.000	Internal Diameter	Set at 3896	Perforations	To
Tubing Size 2.380	Weight 4.700	Internal Diameter 1.995	Set at 3882	Perforations	To
Type Completion (Describe) Open Hole		Type Fluid Production None		Pump Unit or Traveling Plunger? no	
Producing Thru (Annulus/Tubing) Tubing		% Carbon Dioxide 0.450		% Nitrogen 5.500	Gas Gravity- Gg 0.652
Vertical Depth (ft) 2426		Pressure Taps flange		Meter Run Size 2	
Pressure Buildup: Shut in		1/27/07		TAKEN	13:30
Well on Line: Started		1/31/07		TAKEN	13:30

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H ₂ O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P _w) (P _t) (P _c)		Tubing WellHead Press. (P _w) (P _t) (P _c)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						1167	1181	1158	1172		
Flow	1.000	121.5	107.40	25		1149	1163	1099	1113	24.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcf/d	GOR	G _m
5.073	135.9	120.81	1.2384	1.0355	1.0146	797		0.652

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(P_c)^2 = 1395.7$ $(P_w)^2 = 1353.5$ $P_d = 10.3$ % $(P_c - 14.4) + 14.4 =$ $(P_a)^2 = 0.207$
 $(P_d)^2 = 14.76$

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$ or $\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2}$	LOG	Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
1395.50	42.21	33.064	1.5194	0.654	0.9937	9.855	7858
1380.94	42.21	32.719	1.5148	0.654	0.9907	9.788	7804

OPEN FLOW 7858 Mcfd @ 14.65 psia DELIVERABILITY 7804 Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the _____ day of _____, 20 _____

Witness (if any)

For Company

For Commission

Checked by

FieldNotes

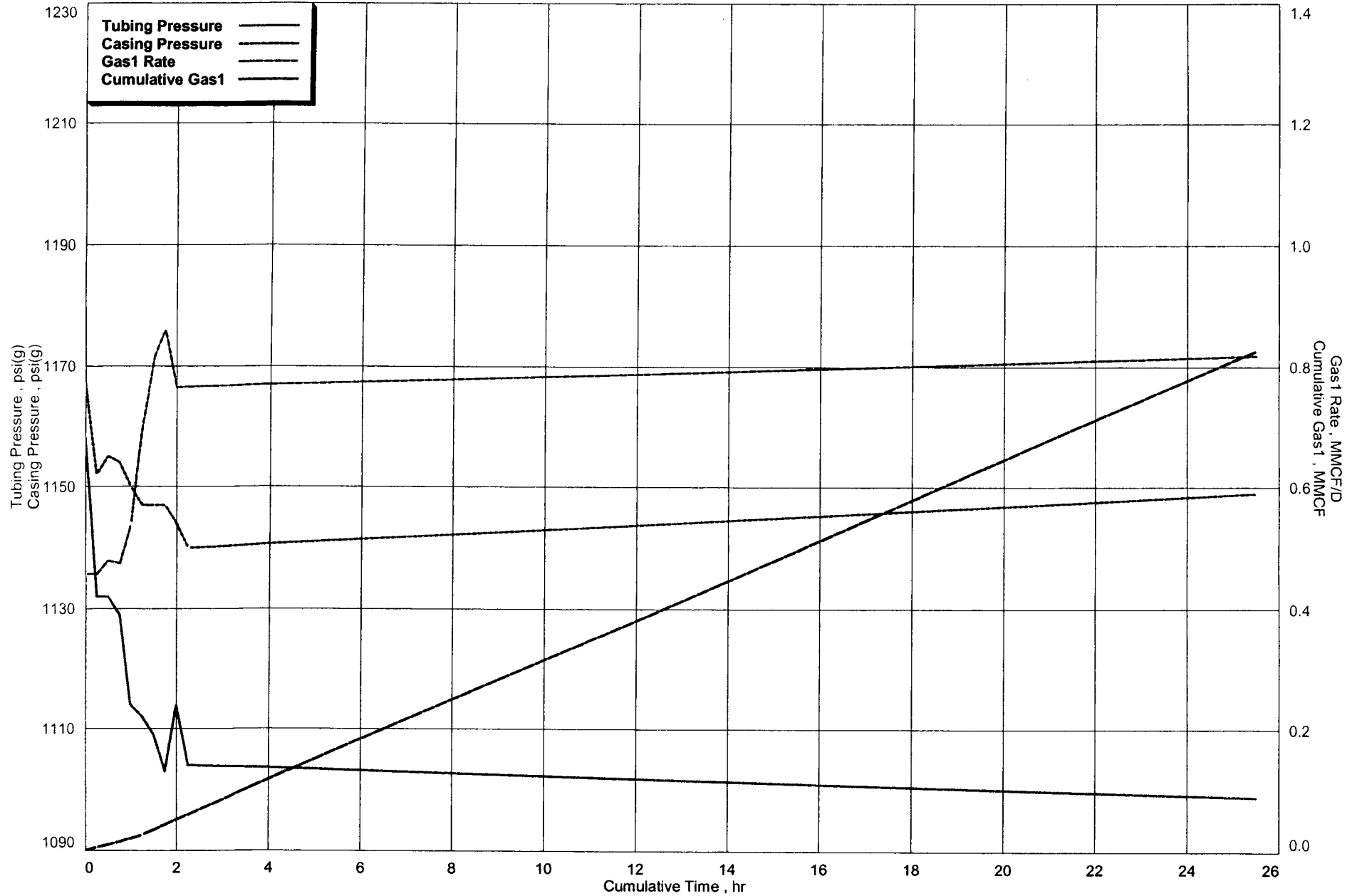
Field Measurements

	Date	Clock Time	Comments	Casing Pres	Tubing Pres	Diff1 Pres	Meter1 Temp	Static1 Pres	Gas1 Rate	Orifice1 in	Cum. Gas1 MMCF
	yyyy/mm/dd	hh:mm:ss		psi(g)	psi(g)	in of H2O	°F	psi(a)	MMCF/D		
1	2007/01/31	13:30:00		1167.00	1158.00					0.000	
2		13:30:00	Shutin								
3		13:45:00		1152.00	1132.00	48.20	34.30	97.60	0.457		0.005
4		14:00:00		1155.00	1132.00	51.80	34.40	99.80	0.480		0.010
5		14:15:00	1st pt								
6		14:15:00		1154.00	1129.00	50.10	34.30	101.20	0.475		0.015
7		14:30:00		1150.00	1114.00	62.10	33.80	105.00	0.539		0.020
8		14:45:00		1147.00	1112.00	99.20	33.00	110.00	0.700		0.026
9		15:00:00	2nd pt								
10		15:00:00		1147.00	1109.00	129.00	32.40	114.20	0.815		0.034
11		15:15:00		1147.00	1103.00	138.10	32.00	118.90	0.862		0.043
12		15:30:00		1144.00	1114.00	109.40	31.90	118.40	0.764		0.051
13		15:45:00	3rd pt								
14		15:45:00		1140.00	1104.00	108.90	31.60	119.20	0.765		0.059
15	2007/02/01	15:00:00	1 pt								
16		15:00:00		1149.00	1099.00	107.40	25.10	135.90	0.818		0.826

2007/01/31 13:30:00 To 2007/02/01 15:00:00

Gas	0.059	Cum.	0.059 MMCF
Oil	0.000	Cum.	0.000 bbl
Water	0.000	Cum.	0.000 bbl
Condensate	0.000	Cum.	0.000 bbl

Plot



NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, Inc.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-624-5389
Fax: 620-626-7108

Lab Number:	20063565	Analyzed:	07/06/06
Sample From:	Prosser 1	Pressure:	
Producer:	Carmen Schmitt	Temperature:	
Date:		Location:	36-21-16
Time:		County:	Pawnee
Sampler:		State:	Kansas
Source:	DST 5 2nd Flow	Formation:	Simpson/ Arbuckle

		Mole %	GPM
Helium	He:	0.696	0.000
Hydrogen	H2:	0.023	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	5.222	0.000
Carbon Dioxide	CO2:	0.000	0.000
Methane	C1:	88.147	0.000
Ethane	C2:	3.374	0.902
Propane	C3:	1.368	0.377
Iso Butane	iC4:	0.214	0.070
Normal Butane	nC4:	0.457	0.144
Iso Pentane	iC5:	0.116	0.042
Normal Pentane	nC5:	0.139	0.050
Hexanes Plus	C6+:	0.244	0.106

TOTAL: 100.000 1.693
Z Fact: 0.9978
SP.GR.: 0.6249
BTU (SAT): 1015.7 @ 14.73 psia
BTU (DRY): 1033.7 @ 14.73 psia
OCTANE RATING: 120.2

COMMENTS:

0.000

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Form G-2
(Rev. 7/03)

Type Test:

- ☐ Open Flow
☐ Deliverability

Test Date:

API No. 15
-145-21544-0000

Company Carmen Schmitt Inc.			Lease Prosser		Well Number 1
County Pawnee	Location se se se	Section 36	TWP 21S	RNG (E/W) 16W	Acres Attributed
Field		Reservoir Arbuckle		Gas Gathering Connection SemGas	
Completion Date 7/13/06		Plug Back Total Depth 3905'		Packer Set at	
Casing Size 5.5"	Weight 14#	Internal Diameter	Set at 3896'	Perforations 2422	To 2430
Tubing Size 2 3/8"	Weight	Internal Diameter	Set at 3882'	Perforations	To
Type Completion (Describe) Open hole		Type Fluid Production None		Pump Unit or Traveling Plunger? Yes / No No	
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide 0.45		% Nitrogen 5.5	Gas Gravity - G _g 0.6516
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	

Pressure Buildup: Shut in _____ 20 _____ at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)

Well on Line: Started _____ 20 _____ at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in _____ Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In											
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_a)² = 0.207 (P_d)² = _____

(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right]$	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow _____ Mcfd @ 14.65 psia Deliverability _____ Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the _____ day of _____, 20 _____.

Witness (if any)

For Company

For Commission

Checked by

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- ☐ Open Flow
☐ Deliverability

(See Instructions on Reverse Side)

Test Date:

API No. 15
-145-21544-0000

Company Carmen Schmitt Inc.		Lease Prosser		Well Number 1	
County Pawnee	Location se se se	Section 36	TWP 21S	RNG (E/W) 16W	Acres Attributed
Field		Reservoir Arbuckle		Gas Gathering Connection SemGas	
Completion Date 7/13/06		Plug Back Total Depth 3905'		Packer Set at	
Casing Size 5.5"	Weight 14#	Internal Diameter	Set at 3896'	Perforations 3896	To 3905
Tubing Size 2 3/8"	Weight	Internal Diameter	Set at 3882'	Perforations	To
Type Completion (Describe) Open hole		Type Fluid Production None		Pump Unit or Traveling Plunger? Yes / No No	
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide 0.45		% Nitrogen 5.5	Gas Gravity - G _g 0.6516
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	

Pressure Buildup: Shut in _____ 20 _____ at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)
Well on Line: Started _____ 20 _____ at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in _____ Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In											
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p) (F _s) Mcf/d	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207

(P_d)² = _____

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ :

(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)

Open Flow _____ Mcfd @ 14.65 psia Deliverability _____ Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the _____ day of _____, 20 _____.

Witness (if any)

For Company

For Commission

Checked by