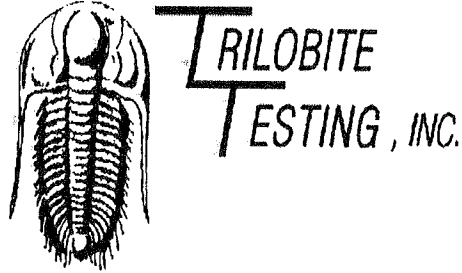


15-145-21541

24-20s-16w

KCC
JUL 21 2006
CONFIDENTIAL



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt**

PO Box 47
Great Bend KS 67530

RECEIVED
JUL 24 2006
KCC WICHITA

ATTN: Jacob Porter

24 20 16W Pawnee KS

Sims #1

Start Date: 2006.05.27 @ 18:40:06

End Date: 2006.05.28 @ 03:38:06

Job Ticket #: 24067 DST #: 1

15-145-21541
NE SW NE SE
1800 FSL 820 FEL

Carmen Schmitt

Sims #1

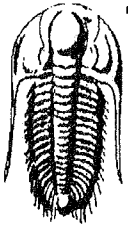
24 20 16W Pawnee KS

DST # 1

Arbuckle

2006.05.27

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
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

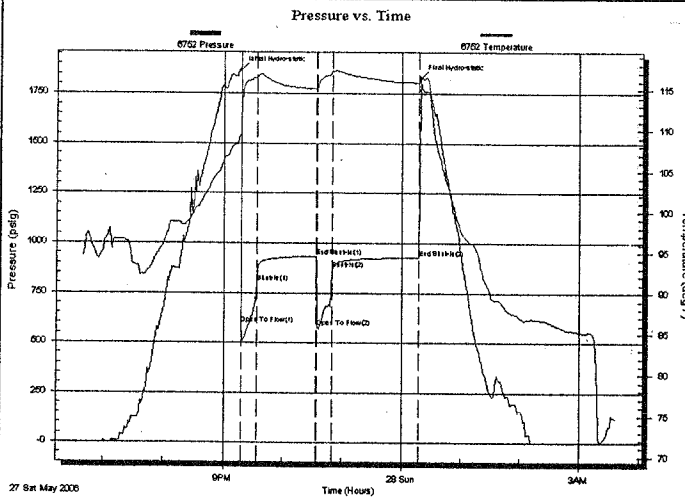
Simms #1
24 20 16W Pawnee KS
Job Ticket: 24067 DST#: 1
Test Start: 2006.05.27 @ 18:40:06

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 21:18:21
Time Test Ended: 03:38:06
Interval: **3751.00 ft (KB) To 3773.00 ft (KB) (TVD)**
Total Depth: **3773.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Les Adams
Unit No: 19
Reference Elevations: 2048.00 ft (KB)
2043.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6752 Inside
Press@RunDepth: 869.78 psig @ 3752.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.05.27 End Date: 2006.05.28 Last Calib.: 2006.05.28
Start Time: 18:40:08 End Time: 03:38:06 Time On Btm: 2006.05.27 @ 21:17:51
Time Off Btm: 2006.05.28 @ 00:19:06

TEST COMMENT: IF Strong blow BOB in 20 secs GTS in 4 mins (See gas flow report)
ISI Strong blow w/fluid to surface
FF Strong blow BOB w/fluid to surface
FSI Strong blow w/fluid to surface



PRESSURE SUMMARY

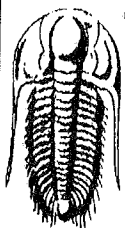
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1868.99	109.54	Initial Hydro-static
1	594.13	111.26	Open To Flow (1)
17	798.96	116.45	Shut-In(1)
76	932.10	115.12	End Shut-In(1)
78	576.11	115.02	Open To Flow (2)
93	869.78	117.30	Shut-In(2)
180	928.56	115.89	End Shut-In(2)
182	1829.51	116.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
490.00	SOCW 1%O 99%W	2.70
30.00	OCW 95%O 5%W	0.18
130.00	Oil 100%	0.79

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	120.00	906.62
Last Gas Rate	0.50	80.00	636.79
Max. Gas Rate	0.50	200.00	1446.28



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DRILL STEM TEST REPORT

TOOL DIAGRAM

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

Simms #1
24 20 16W Pawnee KS
Job Ticket: 24067 DST#: 1
Test Start: 2006.05.27 @ 18:40:06

Tool Information

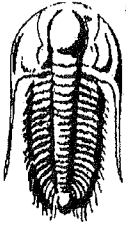
Drill Pipe:	Length: 3490.00 ft	Diameter: 2.50 inches	Volume: 21.19 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 22.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3751.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3728.00	
Hydraulic tool	5.00			3733.00	
Jars	5.00			3738.00	
Safety Joint	3.00			3741.00	
Packer	5.00			3746.00	28.00 Bottom Of Top Packer
Packer	5.00			3751.00	
Stubb	1.00			3752.00	
Recorder	0.00	6752	Inside	3752.00	
Perforations	18.00			3770.00	
Recorder	0.00	13255	Outside	3770.00	
Bullnose	3.00			3773.00	22.00 Bottom Packers & Anchor

Total Tool Length: 50.00



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TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Simms #1
24 20 16W Pawnee KS
Job Ticket: 24067 **DST#: 1**
Test Start: 2006.05.27 @ 18:40:06

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:	50.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	9.78 in ³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5800.00 ppm				
Filter Cake:	0.20 inches				

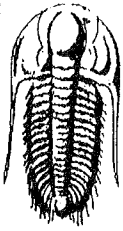
Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
490.00	SOCW 1%O 99%W	2.698
30.00	OCW 95%O 5%W	0.182
130.00	Oil 100%	0.789

Total Length: 650.00 ft Total Volume: 3.669 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: L.A.-2
Laboratory Name: Caraway Laboratory Location: Liberal, KS
Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Carmen Schmitt
PO Box 47
Great Bend KS 67530

Simms #1
24 20 16W Pawnee KS
Job Ticket: 24067 DST#: 1
Test Start: 2006.05.27 @ 18:40:06

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	12	0.50	120.00	906.62
1	15	0.50	200.00	1446.28
2	5	0.50	10.00	164.59
2	8	0.50	80.00	636.79

233122

Serial #: 6752 Inside Carmen Schmitt 24 20 16W Pawnee KS DST Test Number: 1

