

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Band, Ks 67530

ATTN: Rich O Donnell

28-16-28 Lane

Fullmer 1

Start Date: 2004.12.14 @ 12:36:39

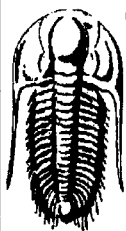
End Date: 2004.12.14 @ 19:27:44

Job Ticket #: 19346 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

PO Box 47
Great Band, Ks 67530

ATTN: Rich O Donnell

Fullmer 1

28-16-28 Lane

Job Ticket: 19346

DST#: 1

Test Start: 2004.12.14 @ 12:36:39

GENERAL INFORMATION:

Formation: **Lansing J**

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

Time Tool Opened: 14:38:29

Time Test Ended: 19:27:44

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **18**

Interval: **4200.00 ft (KB) To 4254.00 ft (KB) (TVD)**

Total Depth: **4254.00 ft (KB) (TVD)**

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

Reference Elevations: **2766.00 ft (KB)**

2761.00 ft (CF)

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

Serial #: 6772 **Inside**

Press@RunDepth: **213.71 psig @ 4255.00 ft (KB)**

Start Date: **2004.12.14**

End Date:

2004.12.14

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **12:36:39**

End Time:

19:27:44

Time On Btm: **2004.12.14 @ 14:37:59**

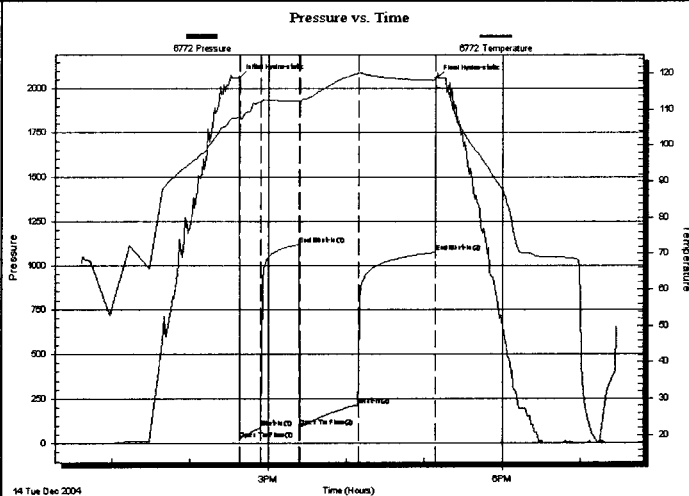
Time Off Btm: **2004.12.14 @ 17:08:59**

TEST COMMENT: **IF: 1/4 blow built to 2 1/2 in 15 min.**

IS: No return.

FF: 1/4 blow built to 2 in 30 min.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2063.49	107.98	Initial Hydro-static
1	22.12	107.54	Open To Flow (1)
17	89.43	112.26	Shut-In(1)
46	1118.05	112.39	End Shut-In(1)
47	93.47	112.25	Open To Flow (2)
91	213.71	119.95	Shut-In(2)
151	1074.13	118.05	End Shut-In(2)
151	2057.73	117.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	mcw 70%w 30%rm	0.93
220.00	m 100%rm	1.08

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

Fullmer 1

PO Box 47
Great Band, Ks 67530

28-16-28 Lane

Job Ticket: 19346

DST#: 1

ATTN: Rich O'Donnell

Test Start: 2004.12.14 @ 12:36:39

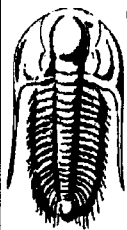
Tool Information

Drill Pipe:	Length: 3606.00 ft	Diameter: 3.80 inches	Volume: 50.58 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 649.00 ft	Diameter: 2.25 inches	Volume: 3.19 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: 78000.00 lb
			Total Volume: 53.77 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4254.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	82.00 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			4227.00	
Shut In Tool	5.00			4232.00	
Hydraulic tool	5.00			4237.00	
Jars	5.00			4242.00	
Safety Joint	3.00			4245.00	
Packer	5.00		Fluid	4250.00	28.00 Bottom Of Top Packer
Packer	4.00			4254.00	
Stubb	1.00			4255.00	
Recorder	0.00	6772	Inside	4255.00	
Perforations	17.00			4272.00	
Drill Pipe	31.00			4303.00	
Recorder	0.00	10248	Inside	4303.00	
Bullnose	5.00			4308.00	54.00 Bottom Packers & Anchor

Total Tool Length: 82.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

Fullmer 1

PO Box 47
Great Band, Ks 67530

28-16-28 Lane

Job Ticket: 19346

DST#: 1

ATTN: Rich O'Donnell

Test Start: 2004.12.14 @ 12:36:39

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: 22000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	mcw 70%w 30%m	0.934
220.00	m 100%m	1.082

Total Length: 410.00 ft

Total Volume: 2.016 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

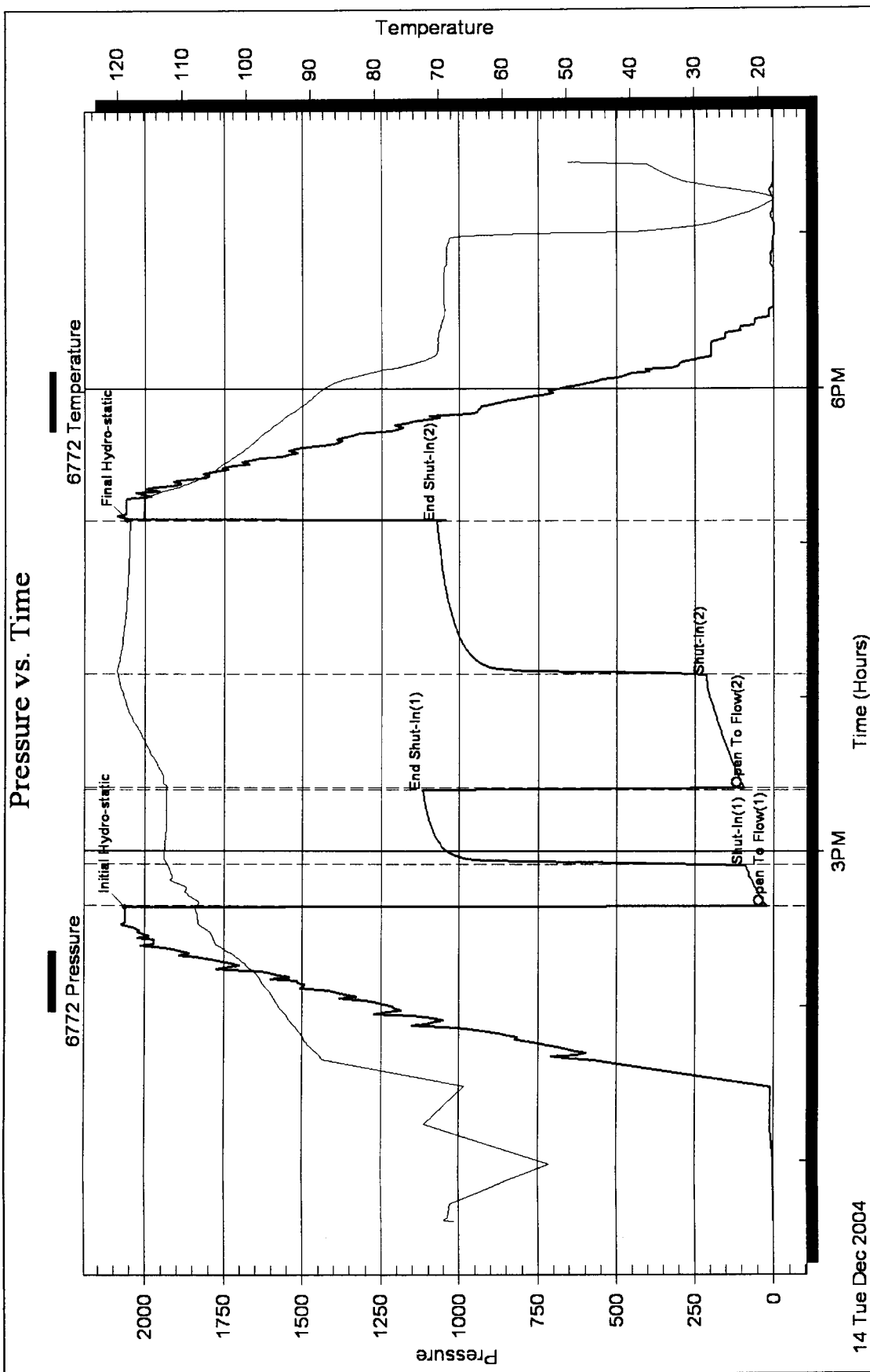
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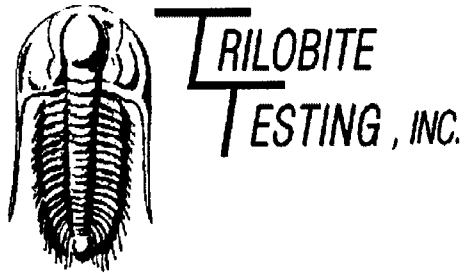
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Band, Ks 67530

ATTN: Rich O Donnell

28-16-28 Lane

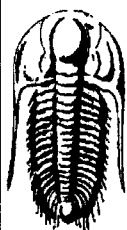
Fullmer 1

Start Date: 2004.12.15 @ 07:30:18

End Date: 2004.12.15 @ 12:16:38

Job Ticket #: 19347 DST #: 2

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

PO Box 47
Great Band, Ks 67530

ATTN: Rich O Donnell

Fullmer 1

28-16-28 Lane

Job Ticket: 19347

DST#: 2

Test Start: 2004.12.15 @ 07:30:18

GENERAL INFORMATION:

Formation: **Marmaton**

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

Time Tool Opened: 09:32:38

Time Test Ended: 12:16:38

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **18**

Interval: **4375.00 ft (KB) To 4448.00 ft (KB) (TVD)**

Total Depth: **4448.00 ft (KB) (TVD)**

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

Reference Elevations: **2766.00 ft (KB)**

2761.00 ft (CF)

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

Serial #: 6772 **Inside**

Press@RunDepth: **33.81 psig @ 4449.00 ft (KB)**

Start Date: **2004.12.15** End Date: **2004.12.15**

Start Time: **07:30:18** End Time: **12:16:38**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2004.12.15 @ 09:32:08**

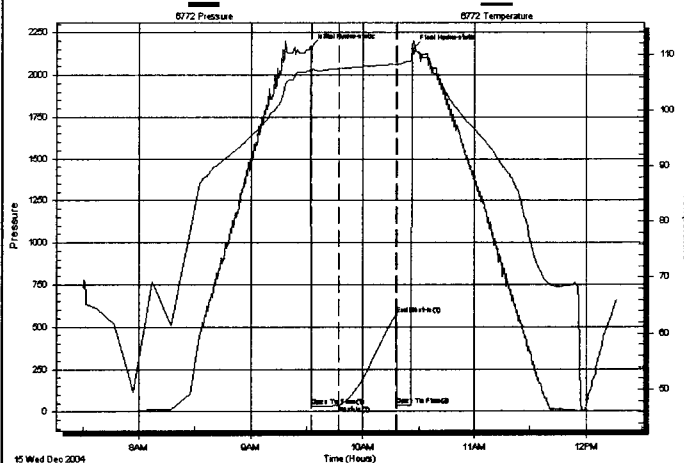
Time Off Btm: **2004.12.15 @ 10:26:23**

TEST COMMENT: IF: Weak surface blow for 15 min.

IS: No return.

FF: No blow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2163.24	107.29	Initial Hydro-static
1	29.71	107.34	Open To Flow (1)
16	33.81	107.45	Shut-In(1)
46	571.23	108.23	End Shut-In(1)
46	36.68	108.17	Open To Flow (2)
55	2152.73	112.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100 %m	0.07

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

Fullmer 1

PO Box 47
Great Band, Ks 67530

28-16-28 Lane

Job Ticket: 19347

DST#: 2

ATTN: Rich O'Donnell

Test Start: 2004.12.15 @ 07:30:18

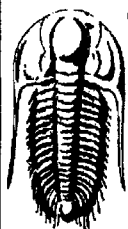
Tool Information

Drill Pipe:	Length: 3780.00 ft	Diameter: 3.80 inches	Volume: 53.02 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 649.00 ft	Diameter: 2.25 inches	Volume: 3.19 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: 80000.00 lb
			Total Volume: 56.21 bbl	Tool Chased 3.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4448.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	101.00 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			4421.00	
Shut In Tool	5.00			4426.00	
Hydraulic tool	5.00			4431.00	
Jars	5.00			4436.00	
Safety Joint	3.00			4439.00	
Packer	5.00		Fluid	4444.00	28.00 Bottom Of Top Packer
Packer	4.00			4448.00	
Stubb	1.00			4449.00	
Recorder	0.00	6772	Inside	4449.00	
Perforations	7.00			4456.00	
Drill Pipe	60.00			4516.00	
Recorder	0.00	10248	Inside	4516.00	
Bullnose	5.00			4521.00	73.00 Bottom Packers & Anchor

Total Tool Length: 101.00



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TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

Fullmer 1

PO Box 47
Great Band, Ks 67530

28-16-28 Lane

Job Ticket: 19347

DST#: 2

ATTN: Rich O Donnell

Test Start: 2004.12.15 @ 07:30:18

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

3000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100 %m	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

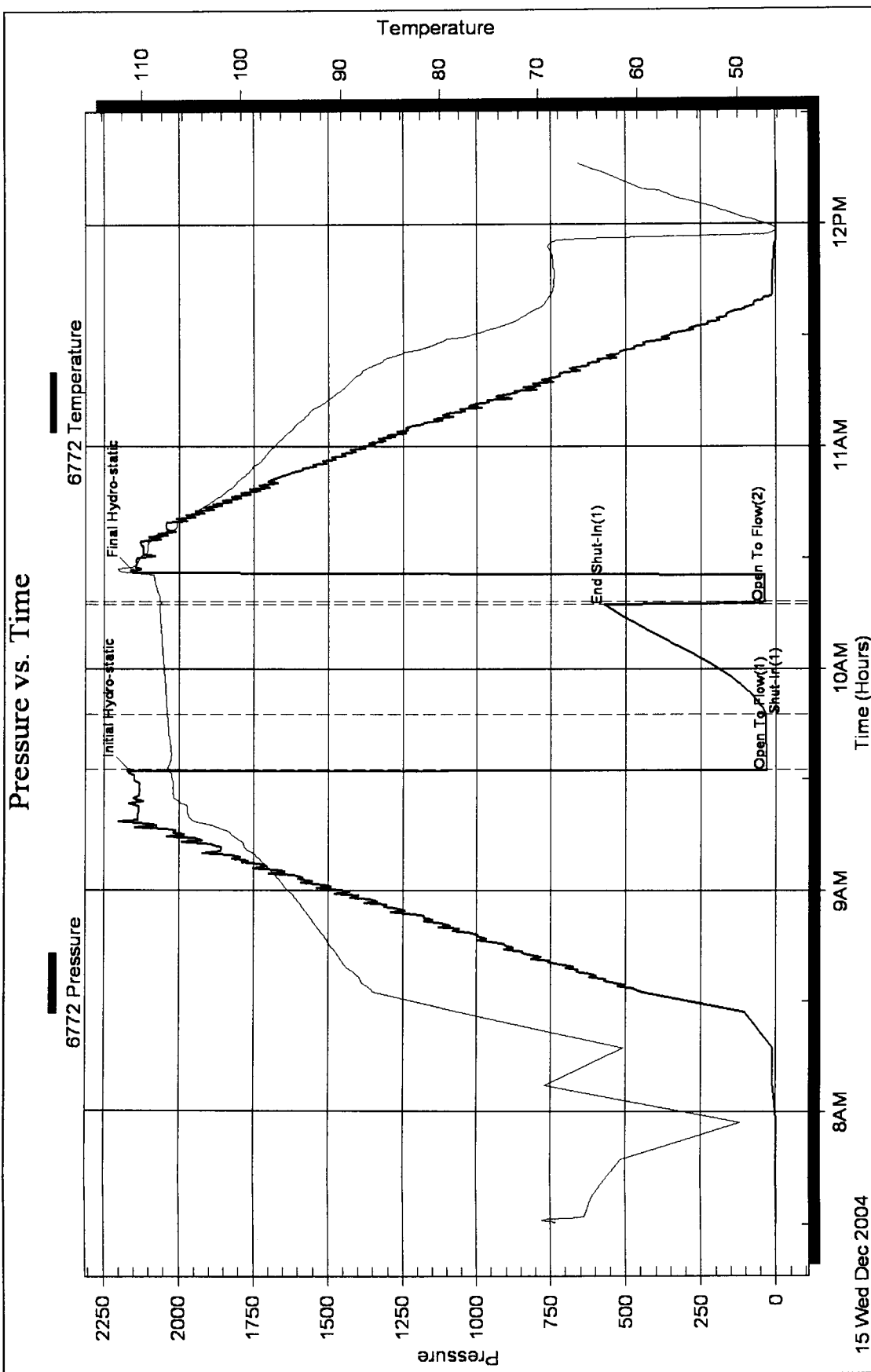
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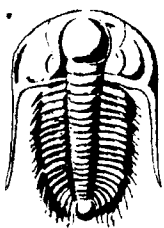
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19346

05/03

Test Ticket

Well Name & No. Fyllmer #1 Test No. 1 Date 12-14-04
 Company Carmen Schmitt Inc. Zone Tested L4asing J
 Address P.O. Box 47 Great Bend, KS 67530 Elevation 2766 KB 2761 GL
 Co. Rep / Geo. Rich O Donnell Cont. shields Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 28 Twp. 16 Rge. 28 Co. Lane State KS
 No. of Copies Norm. Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4200 4254 Initial Str Wt./Lbs. 58000 Unseated Str Wt./Lbs. 59000
 Anchor Length _____ 54 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 78000
 Top Packer Depth _____ 4195 Tool Weight 1500
 Bottom Packer Depth _____ 4200 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 4254 Wt. Pipe Run 649 Drill Collar Run _____
 Mud Wt. 9.3 LCM 1 Vis. 46 WL 9.2 Drill Pipe Size F-H Ft. Run 3606
 Blow Description IF: 1/4 blow built to 2 1/2 in 15 min.
IS: No return.
FF: 1/4 blow built to 2 in 45 min.
FS: No return.

Recovery - Total Feet 649490 GIP _____ Ft. in DC _____ Ft. in DP 649490
 Rec. 220 Feet of M %gas _____ %oil _____ %water 100 %mud
 Rec. 429190 Feet of MCW %gas _____ %oil 70 %water 30 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 119 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .47 @ 45 °F Chlorides 22000 ppm Recovery 22000 Chlorides 3200 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2063	PSI	Recorder No.	6772	Test X	1000.00
(B) First Initial Flow Pressure			22	PSI	(depth)	4201	Elec. Rec. X	
(C) First Final Flow Pressure			89	PSI	Recorder No.	10248	Jars X	200.00
(D) Initial Shut-In Pressure			1118	PSI	(depth)	4253	Safety Jt. X	50.00
(E) Second Initial Flow Pressure			93	PSI	Recorder No.		Circ Sub X	N/L
(F) Second Final Flow Pressure			213	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure			1074	PSI	Initial Opening	15	Straddle	
(Q) Final Hydrostatic Mud			2057	PSI	Initial Shut-In	30	Ext. Packer	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Rich O Donnell
 Our Representative Bob [Signature]

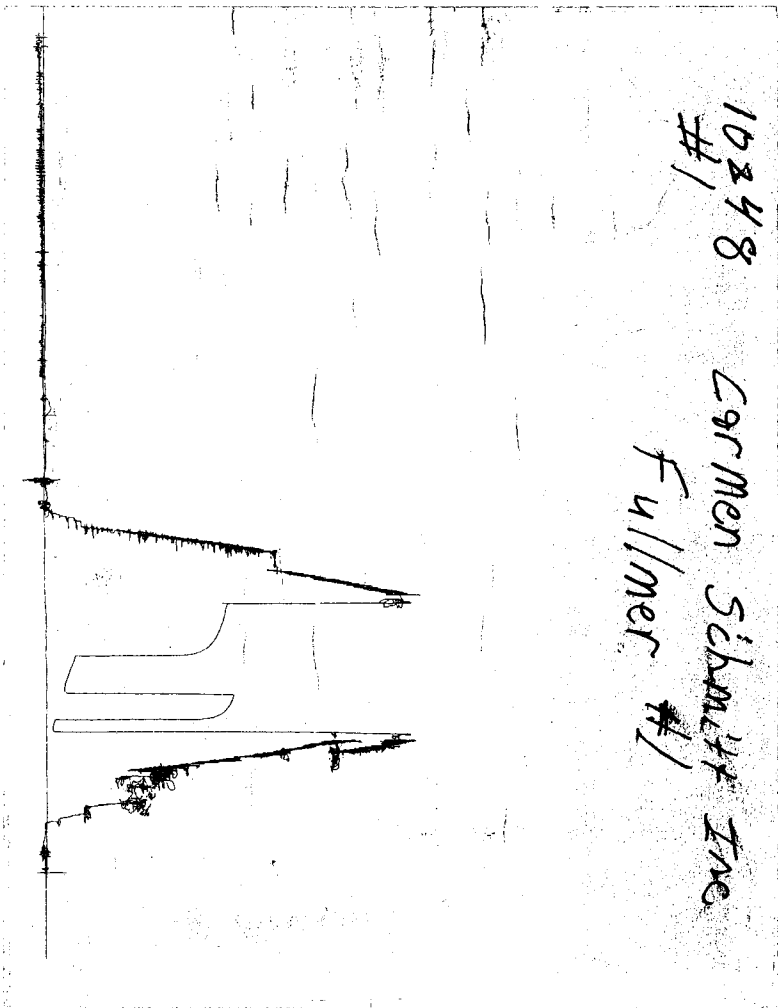
Final Flow 45
 Final Shut-In 60
 T-On Location 23:20
 T-Started 12:36
 T-Open 02:38
 T-Pulled 05:08
 T-Out 07:28
 Shale Packer _____
 Mileage 74.8 74.00
 Sub Total: 1329
 Std. By _____
 Other _____
 Total: _____

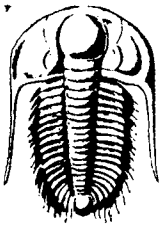
CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

10248
#1

Carmen Schmitt Inc
Fullmer #1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19347

05/03

Test Ticket

Well Name & No.	Fullmer 1		Test No.	Z		Date	12-15-09	
Company	Carmen Schmitt, Inc		Zone Tested	Marmaton				
Address	P.O. Box 47 Great Bend, KS 67530		Elevation	2766	KB	2761	GL	
Co. Rep / Geo.	Rich O Donnell		Cont.	Shields		Est. Ft. of Pay	Por. %	
Location: Sec.	28	Twp.	16	Rge.	28	Co.	L9ne State KS	
No. of Copies	norm		Disbtribution Sheet (Y, N)			Turnkey (Y, N)	Evaluation (Y, N)	

Interval Tested	4375	4448	Initial Str Wt./Lbs.	60000	Unseated Str Wt./Lbs.	60000
Anchor Length	73		Wt. Set Lbs.	25000	Wt. Pulled Loose/Lbs.	80000
Top Packer Depth	4370		Tool Weight	1500		
Bottom Packer Depth	4375		Hole Size 7 7/8"	✓	Rubber Size 6 3/4"	✓
Total Depth	4448		Wt. Pipe Run	649	Drill Collar Run	—
Mud Wt. 9.6 LCM 2 Vis. 53 WL 8			Drill Pipe Size	Full H	Ft. Run	3780
Blow Description	IF: Weak surface blow for 15 min. IS: No return. FF: No blow.					

Recovery - Total Feet	15	GIP	—	Ft. in DC	—	Ft. in DP	15
Rec.	15	Feet of	Mud	%gas	%oil	%water	100% mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	112	°F Gravity	—	°API D @	—	°F Corrected Gravity	— °API
RW	—	@	— °F	Chlorides	3000 ppm	Recovery	3000 Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2163	PSI	Recorder No.	6772	Test	X 1000.00
(B) First Initial Flow Pressure			29	PSI	(depth)	4376	Elec. Rec.	X
(C) First Final Flow Pressure			33	PSI	Recorder No.	10248	Jars	X 200.00
(D) Initial Shut-In Pressure			571	PSI	(depth)	4447	Safety Jt.	X 50.00
(E) Second Initial Flow Pressure			36	PSI	Recorder No.		Circ Sub	X N/C
(F) Second Final Flow Pressure			—	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure			—	PSI	Initial Opening	15	Straddle	
(Q) Final Hydrostatic Mud			2152	PSI	Initial Shut-In	5	Ext. Packer	
					Final Flow	30	Shale Packer	
					Final Shut-In		Mileage	74 \$74.00
					T-On Location	0630	Sub Total:	1324
					T-Started	0730	Std. By	
					T-Open	0931	Other	
					T-Pulled	1028	Total:	
					T-Out	1212		

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Approved By Rich O Donnell

Our Representative [Signature]

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

10748
#2
CARMED Schmidt
Fullmer #1

