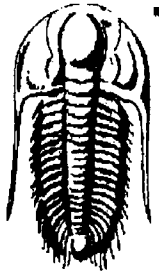


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

P.O. BOX 47
Great Bend KS 67530

ATTN: Rich O'Donnell

30-16-23w

Mast Unit #1

Start Date: 2004.02.05 @ 22:51:09

End Date: 2004.02.06 @ 05:05:39

Job Ticket #: 19801 DST #: 1

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

DRILL STEM TEST REPORT

Carmen Schmitt Inc

P.O. BOX 47
Great Bend KS 67530

ATTN: Rich O'Donnell

Mast Unit #1

30-16-23w

Job Ticket: 19801 **DST#: 1**

Test Start: 2004.02.05 @ 22:51:09

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:22:09
Time Test Ended: 05:05:39

Test Type: Conventional Bottom Hole
Tester: Leroy Black
Unit No: 15

Interval: 4474.00 ft (KB) To 4515.00 ft (KB) (TVD)
Total Depth: 4515.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

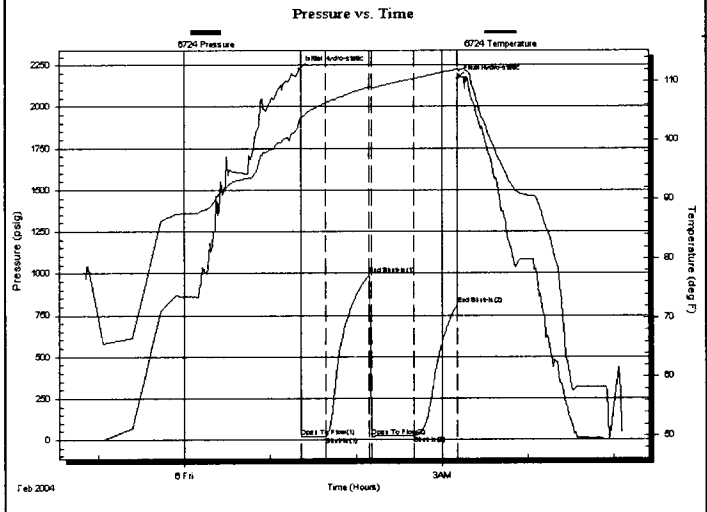
Reference Elevations: 2509.00 ft (KB)
2501.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6724 **Inside**

Press@RunDepth: 22.84 psig @ 4480.00 ft (KB)
Start Date: 2004.02.05 End Date: 2004.02.06
Start Time: 22:51:10 End Time: 05:05:39

Capacity: 7000.00 psig
Last Calib.: 2004.01.06
Time On Btm: 2004.02.06 @ 01:20:39
Time Off Btm: 2004.02.06 @ 03:10:39

TEST COMMENT: IF:Weak blow built to 1.25"
FF:Weak blow built to .5:



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.39	103.22	Initial Hydro-static
2	18.78	103.67	Open To Flow (1)
19	20.61	106.32	Shut-In(1)
49	990.36	108.95	End Shut-In(1)
50	21.08	108.82	Open To Flow (2)
80	22.84	110.40	Shut-In(2)
110	809.46	111.92	End Shut-In(2)
110	2167.37	112.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	0CM 15% O 85% M With free oil in tool	0.14

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

P.O. BOX 47
Great Bend KS 67530

ATTN: Rich O'Donnell

Mast Unit #1

30-16-23w

Job Ticket: 19801 **DST#: 1**

Test Start: 2004.02.05 @ 22:51:09

Tool Information

Drill Pipe:	Length:	4452.00 ft	Diameter:	3.80 inches	Volume:	62.45 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		30000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		65000.00 lb
					Total Volume:	62.45 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		6.00 ft					String Weight:	Initial	55000.00 lb
Depth to Top Packer:		4474.00 ft						Final	55000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		41.00 ft							
Tool Length:		69.00 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			4447.00		
Shut In Tool	5.00			4452.00		
Hydraulic tool	5.00			4457.00		
Jars	5.00			4462.00		
Safety Joint	3.00			4465.00		
Packer	4.00			4469.00	28.00	Bottom Of Top Packer
Packer	5.00		Fluid	4474.00		
Stubb	1.00			4475.00		
Perforations	4.00			4479.00		
Change Over Sub	1.00			4480.00		
Recorder	0.00	6724	Inside	4480.00		
Blank Spacing	31.00			4511.00		
Change Over Sub	1.00			4512.00		
Recorder	0.00	11084	Outside	4512.00		
Blank Spacing	3.00			4515.00	41.00	Bottom Packers & Anchor
Total Tool Length:	**69.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

P.O. BOX 47
Great Bend KS 67530

ATTN: Rich O'Donnell

Mast Unit #1

30-16-23w

Job Ticket: 19801 **DST#: 1**

Test Start: 2004.02.05 @ 22:51:09

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:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.57 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

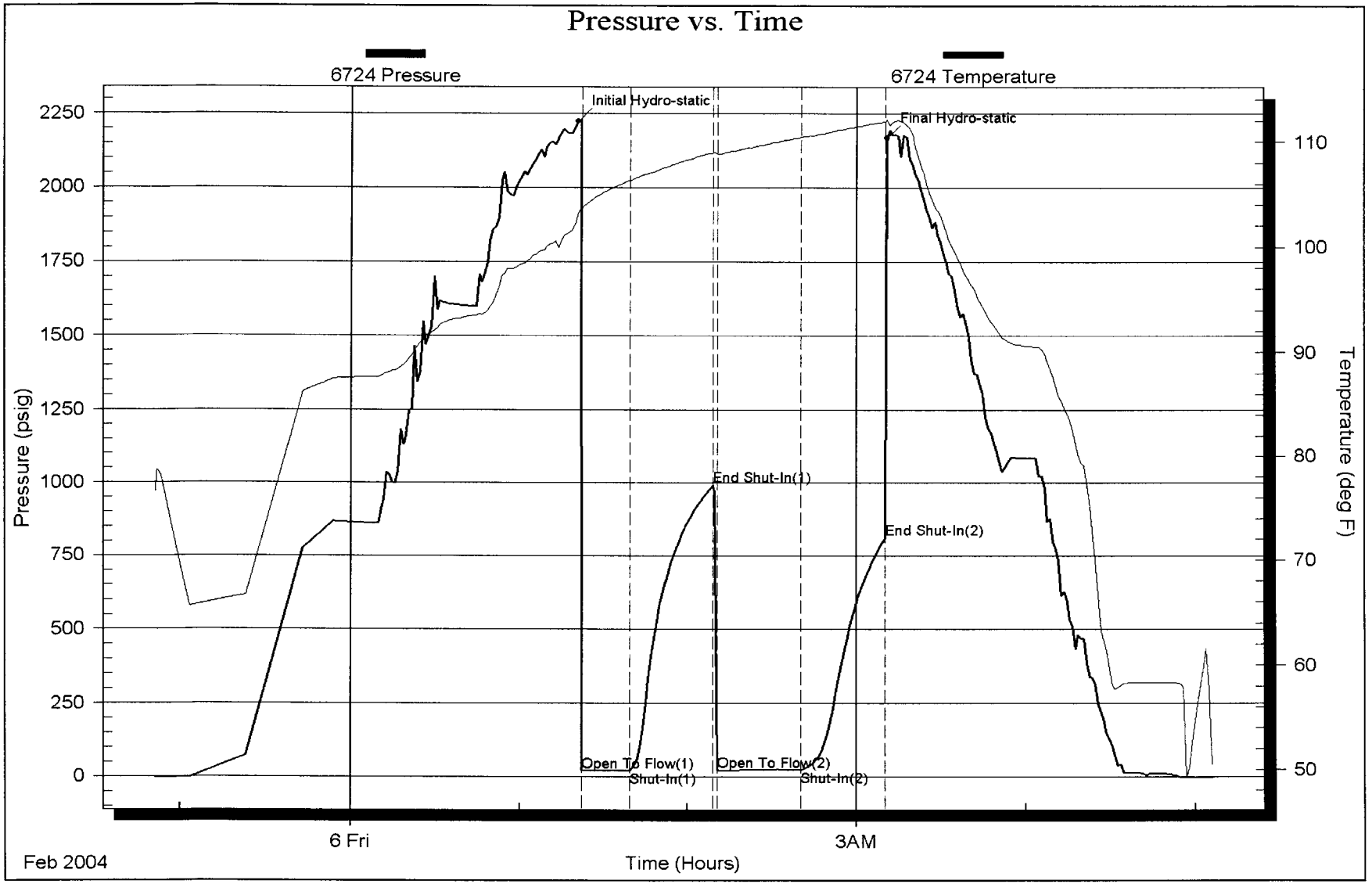
Length ft	Description	Volume bbl
10.00	0CM 15% O 85% M With free oil in tool	0.140

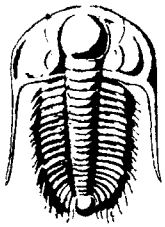
Total Length: 10.00 ft Total Volume: 0.140 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6724 Pressure
6724 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2250
2000
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
6 Fri
3AM
Feb 2004
Time (Hours)



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 0188

05/03

№ 19801

Test Ticket

Well Name & No. Mast Unit #1 Test No. #1 Date 2-5-04

Company Carmen Schmitt Inc. Zone Tested CHEROKEE

Address P.O. Box 47 Great Bend, KS 67530 Elevation 2509 KB 2501 GL

Co. Rep / Geo. Rich O'Donnell Cont. Discovery Rig #1 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 30 Twp. 16 Rge. 23W Co. ~~D. Ness~~ Ness ~~#1~~ State KS

No. of Copies _____ Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4474 to 4515 Initial Str Wt./Lbs. 55000 Unseated Str Wt/Lbs. 55000

Anchor Length 41 Wt. Set Lbs. 30000 Wt. Pulled Loose/Lbs. 65000

Top Packer Depth ~~4494~~ 4469 Tool Weight 2500

Bottom Packer Depth 4474

Total Depth 4515 Hole Size 7 7/8" Rubber Size 6 3/4"

Mud Wt. 9.3 LCM _____ Vis. 48 WL 9.6 Wt. Pipe Run _____ Drill Collar Run 0

Drill Pipe Size 4½ XH Ft. Run _____

Blow Description

IF: Weak Blow Built to 1.25 inches

FF: Weak Blow Built to .5 inches

Recovery - Total Feet 10 Feet GIP _____ Ft. in DC _____ Ft. in DP 10

Rec. 10	Feet of 10 CM	%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
Rec. _____	Feet of _____	%gas	%oil	%water	%mud

BHT 112 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine					
(A) Initital Hydrostatic Mud		2223	PSI	Recorder No.	6724	Test	800
(B) First Initial Flow Pressure		14	PSI	(depth)		Elec. Rec.	X 150
(C) First Final Flow Pressure		20	PSI	Recorder No.	11018	Jars	X 200
(D) Initial Shut-In Pressure		990	PSI	(depth)	4512	Safety Jt.	X 50
(E) Second Initial Flow Pressure		21	PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure		22	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure		809	PSI	**Initial Opening**	20	Straddle	
(Q) Final Hydrostatic Mud		2167	PSI	Initial Shut-In	30	Ext. Packer	
				Final Flow	30	Shale Packer	
				Final Shut-In	30	Mileage	57 @ 96.90
				T-On Location		Sub Total:	1296.90
				T-Started	2251	Std. By	
				T-Open	1:20	Other	
				T-Pulled	3:14	Total:	
				T-Out			

Approved By Rich O'Donnell

Our Representative Leon Black

CHART PAGE

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