TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O. Farmer**

Po Box 352
Russell,Ks 67665

ATTN: Matt Dreiling

5-13s-17w-Ellis

Schmeidler E #1

Start Date: 2004.12.05 @ 18:34:16

End Date: 2004.12.05 @ 23:55:46

Job Ticket #: 20232 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O. Farmer Schmeidler E #1 5-13s-17w-Ellis DST # 1 LKC A-F 2004.12.05

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

John O. Farmer	**Schmeidler E #1**
Po Box 352 Russell,Ks 67665	**5-13s-17w-Ellis**
	Job Ticket: 20232 **DST#: 1**
ATTN: Matt Dreiling	Test Start: 2004.12.05 @ 18:34:16

GENERAL INFORMATION:

Formation: **LKC A-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:14:16
Time Test Ended: 23:55:46

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 24

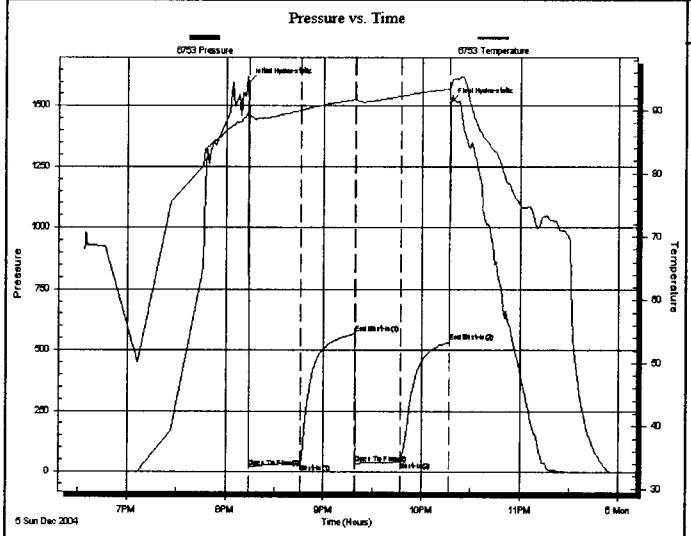
Interval: 3280.00 ft (KB) To 3414.00 ft (KB) (TVD)
Total Depth: 3414.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2039.00 ft (KB)
2029.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6753 **Inside**

Press@RunDepth:	40.17 psig @	3285.00 ft (KB)		Capacity:	7000.00 psig
Start Date:	2004.12.05	End Date:	2004.12.05	Last Calib.:	1899.12.30
Start Time:	18:34:21	End Time:	23:55:45	Time On Btm:	2004.12.05 @ 20:13:46
				Time Off Btm:	2004.12.05 @ 22:17:16

TEST COMMENT: IFP-Weak Blow, Built to 4"
ISI-Dead
FFP-Weak Blow, Built to 3/4"
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.91	89.82	Initial Hydro-static
1	17.00	89.30	Open To Flow (1)
32	33.41	90.03	Shut-In(1)
65	567.34	91.77	End Shut-In(1)
66	34.45	91.73	Open To Flow (2)
93	40.17	92.29	Shut-In(2)
123	532.31	93.51	End Shut-In(2)
124	1514.02	93.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud W/Oil Specks in Tool	0.42

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

John O. Farmer

Po Box 352
Russell,Ks 67665

ATTN: Matt Dreiling

Schmeidler E #1

5-13s-17w-Ellis

Job Ticket: 20232 **DST#: 1**

Test Start: 2004.12.05 @ 18:34:16

Tool Information

Drill Pipe:	Length:	3238.00 ft	Diameter:	3.80 inches	Volume:	45.42 bbl	Tool Weight:		3200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		55000.00 lb
					Total Volume:	45.57 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		10.00 ft					String Weight:	Initial	48000.00 lb
Depth to Top Packer:		3280.00 ft						Final	48000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		134.00 ft							
Tool Length:		155.00 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			3260.00		
Shut In Tool	5.00			3265.00		
Hydraulic tool	5.00			3270.00		
Packer	5.00			3275.00	21.00	Bottom Of Top Packer
Packer	5.00			3280.00		
Stubb	1.00			3281.00		
Perforations	3.00			3284.00		
Change Over Sub	1.00			3285.00		
Recorder	0.00	6753	Inside	3285.00		
Blank Spacing	93.00			3378.00		
Change Over Sub	1.00			3379.00		
Perforations	32.00			3411.00		
Recorder	0.00	13252	Outside	3411.00		
Bullnose	3.00			3414.00	134.00	Bottom Packers & Anchor
Total Tool Length:	**155.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

John O. Farmer	**Schmeidler E #1**
Po Box 352 Russell,Ks 67665	**5-13s-17w-Ellis**
	Job Ticket: 20232 **DST#: 1**
ATTN: Matt Dreiling	Test Start: 2004.12.05 @ 18:34:16

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:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

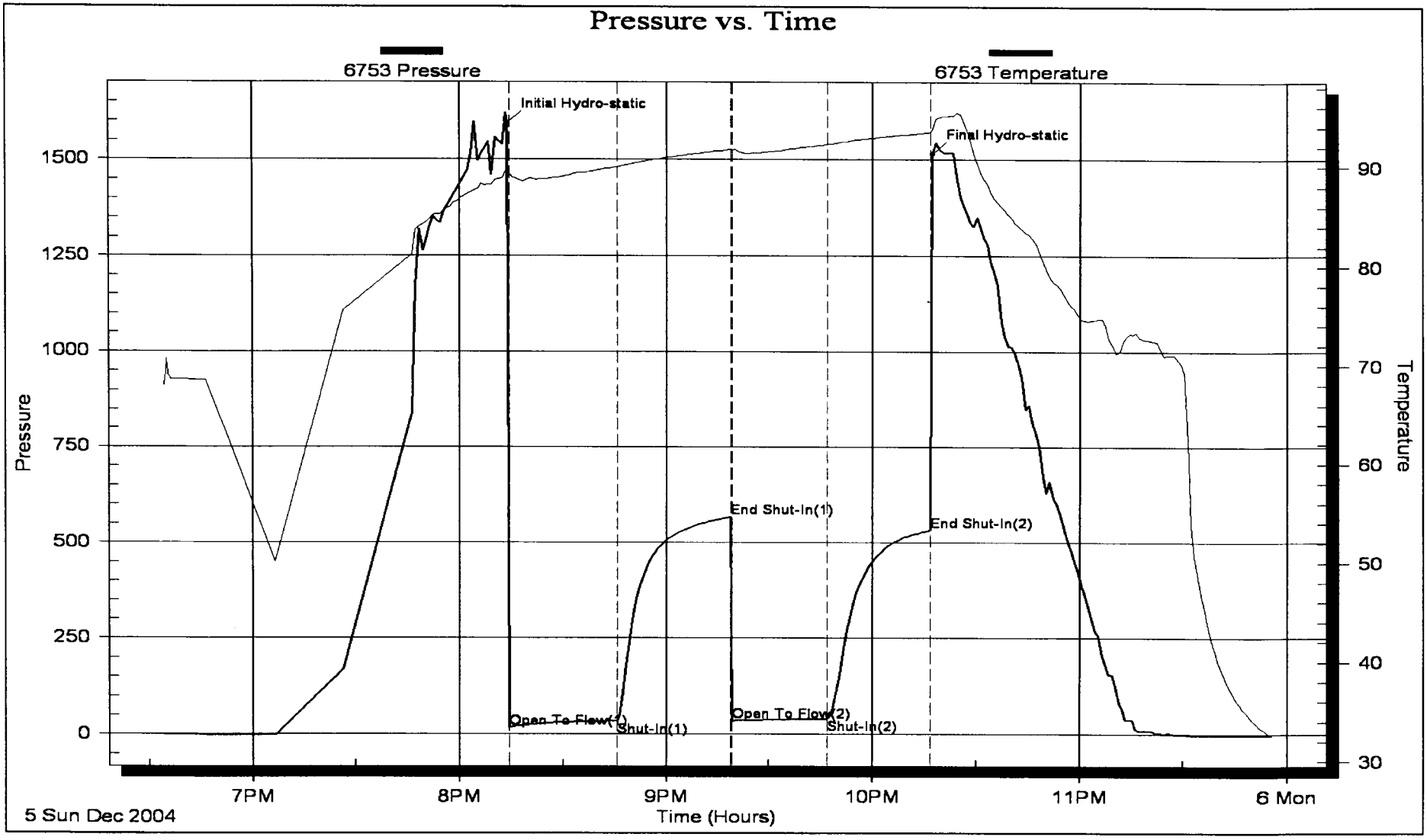
Length ft	Description	Volume bbl
50.00	Mud W/Oil Specks in Tool	0.419

Total Length: 50.00 ft Total Volume: 0.419 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6753 Pressure
6753 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
Temperature
1500
1250
1000
750
500
250
0
90
80
70
60
50
40
30
7PM
8PM
9PM
10PM
11PM
6 Mon
5 Sun Dec 2004
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O. Farmer**

Po Box 352
Russell, Ks 67665

ATTN: Matt Dreiling

5-13s-17w-Ellis

Schmeidler E #1

Start Date: 2004.12.06 @ 17:13:53

End Date: 2004.12.06 @ 23:19:23

Job Ticket #: 20233 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O. Farmer Schmeidler E #1 5-13s-17w-Ellis DST # 2 Arbuckle 2004.12.06

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

John O. Farmer	**Schmeidler E #1**
Po Box 352 Russell,Ks 67665	**5-13s-17w-Ellis**
	Job Ticket: 20233 **DST#: 2**
ATTN: Matt Dreiling	Test Start: 2004.12.06 @ 17:13:53

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:29:23
Time Test Ended: 23:19:23

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 24

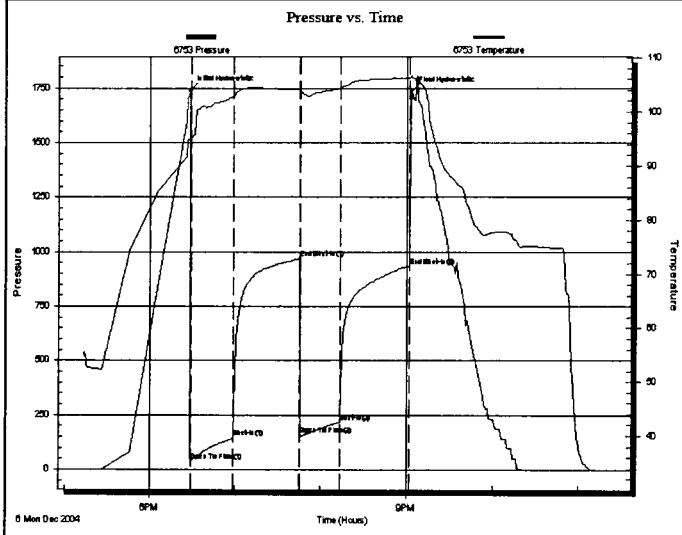
Interval: 3542.00 ft (KB) To 3606.00 ft (KB) (TVD)
Total Depth: 3606.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2039.00 ft (KB)
2029.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6753 **Inside**

Press@RunDepth:	217.37 psig @	3546.00 ft (KB)		Capacity:	7000.00 psig
Start Date:	2004.12.06	End Date:	2004.12.06	Last Calib.:	1899.12.30
Start Time:	17:13:58	End Time:	23:19:22	Time On Btm:	2004.12.06 @ 18:28:23
				Time Off Btm:	2004.12.06 @ 21:03:23

TEST COMMENT: IFP-Strong Blow ,BOB in 5 Min.
ISI-Blow back Built to 1-3/4"
FFP-Good Blow , BOB in 10 Min.
FSI-Blow back Built to 1"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1738.23	94.93	Initial Hydro-static
1	38.82	95.07	Open To Flow (1)
31	143.17	102.94	Shut-In(1)
77	968.74	104.18	End Shut-In(1)
78	159.36	103.76	Open To Flow (2)
106	217.37	104.37	Shut-In(2)
154	934.12	106.27	End Shut-In(2)
155	1735.17	106.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Muddy Oil -10%G-80%O-10%M	1.40
370.00	Free Oil-10%G-90%O	5.19
0.00	In Tool-70%O-30%M	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

John O. Farmer

Po Box 352
Russell,Ks 67665

ATTN: Matt Dreiling

Schmeidler E #1

5-13s-17w-Ellis

Job Ticket: 20233 **DST#: 2**

Test Start: 2004.12.06 @ 17:13:53

Tool Information

Drill Pipe:	Length:	3517.00 ft	Diameter:	3.80 inches	Volume:	49.33 bbl	Tool Weight:		2800.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		55000.00 lb
					Total Volume:	49.48 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		27.00 ft					String Weight:	Initial	47000.00 lb
Depth to Top Packer:		3542.00 ft						Final	49000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		64.00 ft							
Tool Length:		85.00 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			3522.00		
Shut In Tool	5.00			3527.00		
Hydraulic tool	5.00			3532.00		
Packer	5.00			3537.00	21.00	Bottom Of Top Packer
Packer	5.00			3542.00		
Stubb	1.00			3543.00		
Perforations	2.00			3545.00		
Change Over Sub	1.00			3546.00		
Recorder	0.00	6753	Inside	3546.00		
Blank Spacing	31.00			3577.00		
Change Over Sub	1.00			3578.00		
Perforations	25.00			3603.00		
Recorder	0.00	13252	Outside	3603.00		
Bullnose	3.00			3606.00	64.00	Bottom Packers & Anchor
Total Tool Length:	**85.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

John O. Farmer

Po Box 352
Russell,Ks 67665

ATTN: Matt Dreiling

Schmeidler E #1

5-13s-17w-Ellis

Job Ticket: 20233 **DST#: 2**

Test Start: 2004.12.06 @ 17:13:53

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	19 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

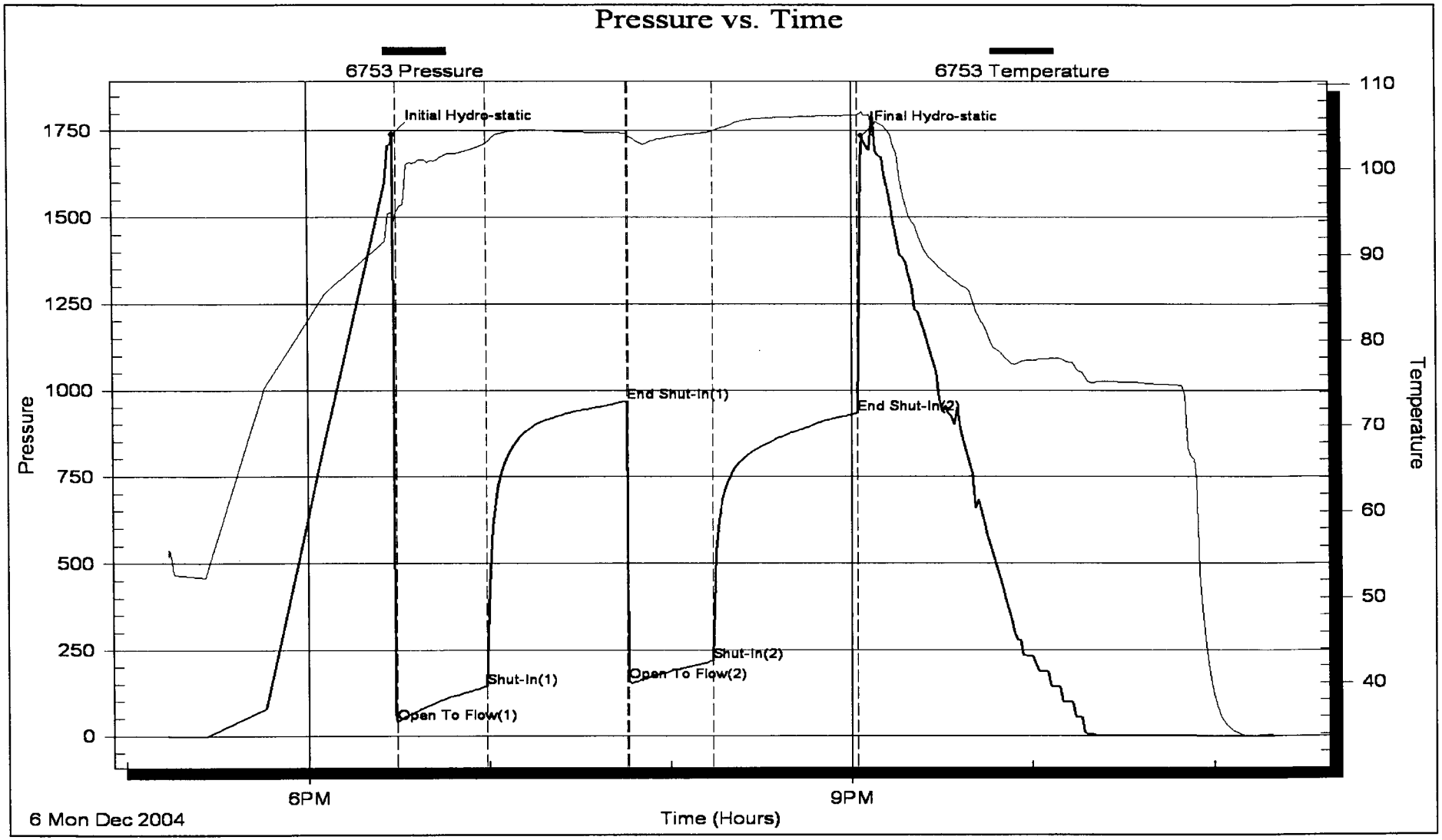
Length ft	Description	Volume bbl
120.00	Muddy Oil -10%G-80%O-10%M	1.401
370.00	Free Oil-10%G-90%O	5.190
0.00	In Tool-70%O-30%M	0.000

Total Length: 490.00 ft Total Volume: 6.591 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6753 Pressure
6753 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
40
6PM
9PM
6 Mon Dec 2004
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O. Farmer**

Po Box 352
Russell,Ks 67665

ATTN: Matt Dreiling

5-13s-17w-Ellis

Schmeidler E #1

Start Date: 2004.12.07 @ 04:11:39

End Date: 2004.12.07 @ 10:02:39

Job Ticket #: 20234 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O. Farmer Schmeidler E #1 5-13s-17w-Ellis DST # 3 Arbuckle 2004.12.07

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

John O. Farmer
Po Box 352
Russell,Ks 67665

ATTN: Matt Dreiling

Schmeidler E #1

5-13s-17w-Ellis

Job Ticket: 20234 **DST#: 3**

Test Start: 2004.12.07 @ 04:11:39

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:09:39
Time Test Ended: 10:02:39

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 24

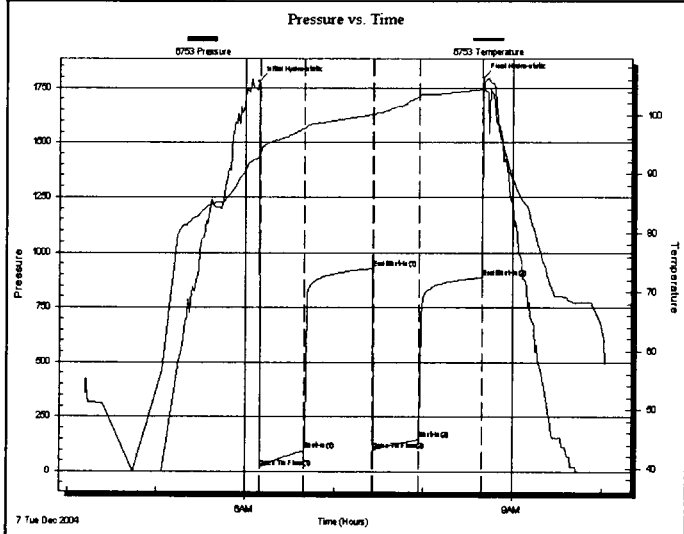
Interval: 3605.00 ft (KB) To 3615.00 ft (KB) (TVD)
Total Depth: 3615.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2039.00 ft (KB)
2029.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6753 **Inside**

Press@RunDepth:	148.23 psig @	3607.00 ft (KB)		Capacity:	7000.00 psig
Start Date:	2004.12.07	End Date:	2004.12.07	Last Calib.:	1899.12.30
Start Time:	04:11:44	End Time:	10:02:38	Time On Btm:	2004.12.07 @ 06:09:09
				Time Off Btm:	2004.12.07 @ 08:40:09

TEST COMMENT: IFP-Good Blow, BOB in 14 Min.
ISI-Dead
FFP-Weak Blow, Built to 1" in 20 Min.,Then Died
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1780.45	92.85	Initial Hydro-static
1	19.11	93.47	Open To Flow (1)
31	96.00	97.76	Shut-In(1)
76	927.69	100.09	End Shut-In(1)
77	99.16	99.95	Open To Flow (2)
108	148.23	103.29	Shut-In(2)
151	887.30	104.41	End Shut-In(2)
151	1796.16	105.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	Water	3.08
100.00	Free Oil	1.40

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

John O. Farmer

Po Box 352
Russell,Ks 67665

ATTN: Matt Dreiling

Schmeidler E #1

5-13s-17w-Ellis

Job Ticket: 20234 **DST#: 3**

Test Start: 2004.12.07 @ 04:11:39

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:	2.25 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		55000.00 lb
					Total Volume:	50.37 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		27.00 ft					String Weight:	Initial	48000.00 lb
Depth to Top Packer:		3605.00 ft						Final	48000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		10.00 ft							
Tool Length:		31.00 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			3585.00		
Shut In Tool	5.00			3590.00		
Hydraulic tool	5.00			3595.00		
Packer	5.00			3600.00	21.00	Bottom Of Top Packer
Packer	5.00			3605.00		
Stubb	1.00			3606.00		
Perforations	1.00			3607.00		
Recorder	0.00	6753	Inside	3607.00		
Perforations	5.00			3612.00		
Recorder	0.00	13252	Outside	3612.00		
Bullnose	3.00			3615.00	10.00	Bottom Packers & Anchor
Total Tool Length:	**31.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

John O. Farmer	**Schmeidler E #1**
Po Box 352 Russell,Ks 67665	**5-13s-17w-Ellis**
	Job Ticket: 20234 **DST#: 3**
ATTN: Matt Dreiling	Test Start: 2004.12.07 @ 04:11:39

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	25 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	31000 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

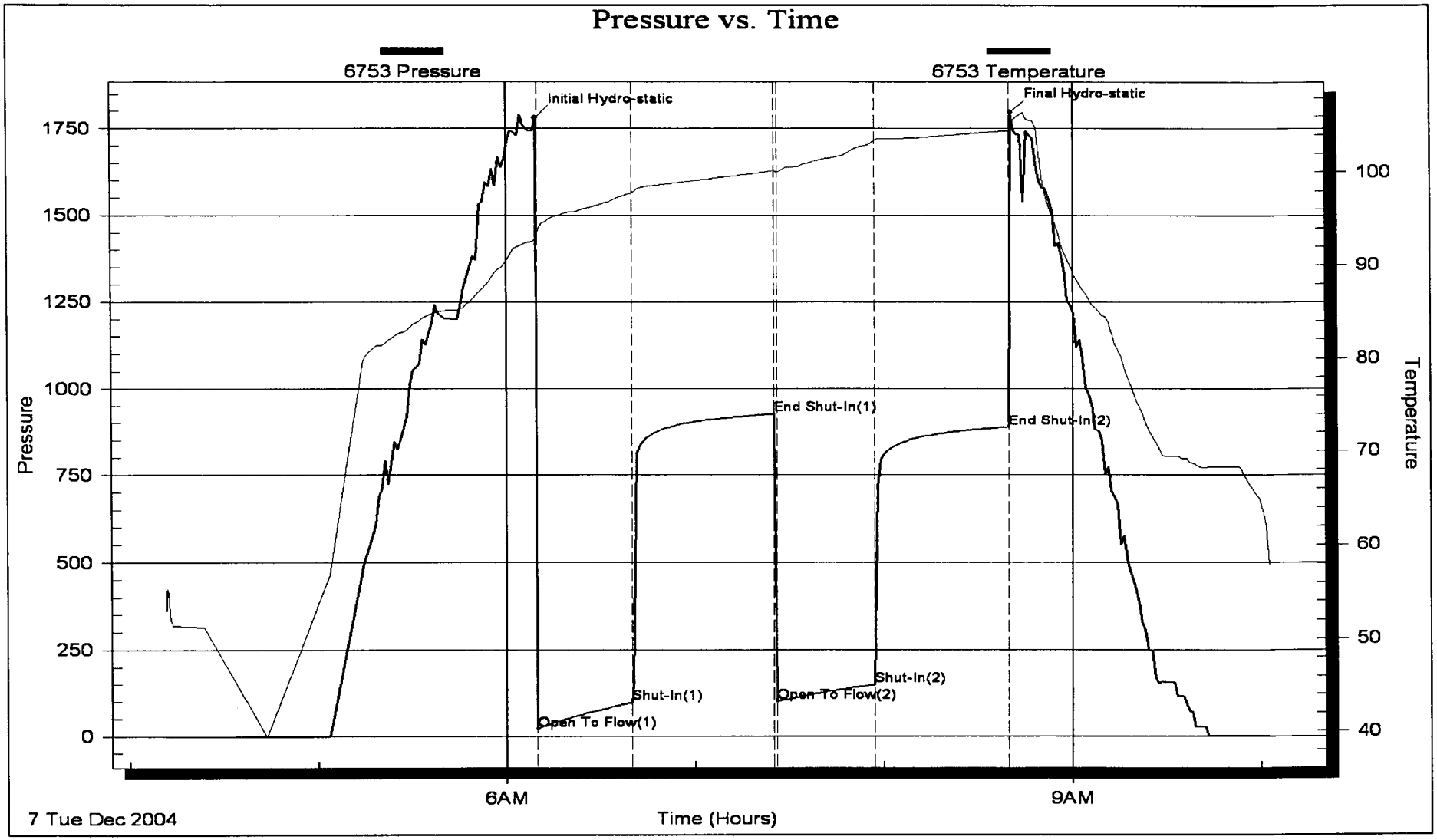
Length ft	Description	Volume bbl
240.00	Water	3.084
100.00	Free Oil	1.403

Total Length: 340.00 ft Total Volume: 4.487 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6753 Pressure
6753 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
100
90
80
70
60
50
40
6AM
9AM
Time (Hours)
7 Tue Dec 2004

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 7020

№ 20232

05/03

Test Ticket

Well Name & No. Schmeidler E #1 Test No. 1 Date 12-5-04

Company John O Farmer Zone Tested LKC A-F

Address Po Box 352, Russell, Ks 67665 Elevation 2039 KB 2029 GL

Co. Rep / Geo. Matt Dreiling Cont. Discovery #1 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 5 Twp. 13s Rge. 17w Co. Ellis State Ks

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

Interval Tested 3280 - 3414 Initial Str Wt./Lbs. 48,000 Unseated Str Wt/Lbs. 48,000

Anchor Length 134' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000

Top Packer Depth 3275 Tool Weight 320

Bottom Packer Depth 3280 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3414 Wt. Pipe Run 0 Drill Collar Run 31

Mud Wt. 9.0 LCM Tr Vis. 47 WL 9.4 Drill Pipe Size 4½XH Ft. Run 3238

Blow Description IFP-Weak Blow, Built to 4"
ISI- Dead
FFP- Weak Blow, Built to 3/4"
FSI- Dead

Recovery - Total Feet 50 GIP _____ Ft. in DC _____ Ft. in DP _____

Rec. 50	Feet of (Mud w/ oil specks in Tool)	%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 94 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5,000 ppm System

	AK-1	Alpine				
(A)Initital Hydrostatic Mud		1593 PSI	Recorder No.	6753	Test	✓ 900
(B) First Initial Flow Pressure		17 PSI	(depth)	3285	Elec. Rec.	✓
(C) First Final Flow Pressure		33 PSI	Recorder No.	13252	Jars	
(D) Initial Shut-In Pressure		567 PSI	(depth)	3411	Safety Jt.	
(E) Second Initial Flow Pressure		34 PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure		40 PSI	(depth)		Sampler	
(G) Final Shut-In Pressure		532 PSI	**Initial Opening**	30	Straddle	
(Q) Final Hydrostatic Mud		1514 PSI	Initial Shut-In	30	Ext. Packer	
			Final Flow	30	Shale Packer	
			Final Shut-In	30	Mileage 20	20
			T-On Location	17:00	Sub Total:	920
			T-Started	18:34	Std. By	
			T-Open	20:14	Other	
			T-Pulled	22:14	Total:	
			T-Out	23:50		

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 _____

Our Representative Jason McLemore

Thank you

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

05/03

№ 20233

Test Ticket

Well Name & No. Schmeidler E #1 Test No. 2 Date 12-6-04

Company John O Farmer Zone Tested Arbuckle

Address Po Box 352, Russell, Ks 67665 Elevation 2039 KB 2029 GL

Co. Rep / Geo. Matt Dreiling Cont. Discovery #1 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 5 Twp. 13s Rge. 17w Co. Ellis State Ks

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

Interval Tested 3542-3606 Initial Str Wt./Lbs. 47,000 Unseated Str Wt/Lbs. 49,000

Anchor Length 64' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000

Top Packer Depth ~~3542~~ 3537 Tool Weight 2800

Bottom Packer Depth 3542 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3606 Wt. Pipe Run 0 Drill Collar Run 31

Mud Wt. 9.1 LCM 1/4 Vis. 48 WL 8.8 Drill Pipe Size 4½XH Ft. Run 3517

Blow Description IFP- Strong Blow, BOB in 5 Min.
ISI- Blowback Built to 1 3/4"
FFP- Good Blow, BOB in 10 min
FSI- Blowback Built to 1"

Recovery - Total Feet 490 GIP 50 Ft. in DC _____ Ft. in DP _____

Rec. 370	Feet of Free Oil	10 %gas	90 %oil	%water		%mud
Rec. 120	Feet of Muddy Oil	10 %gas	80 %oil	%water	10	%mud
Rec.	Feet of	%gas	%oil	%water		%mud
Rec. In Tool	Feet of 70% oil 30% Mud	%gas	%oil	%water		%mud
Rec.	Feet of	%gas	%oil	%water		%mud

BHT 106 °F Gravity 16 °API D @ 30 °F Corrected Gravity 19 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5,000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud		1738 PSI	Recorder No.	6753	Test	✓
(B) First Initial Flow Pressure		39 PSI	(depth)	3546	Elec. Rec.	✓
(C) First Final Flow Pressure		143 PSI	Recorder No.	13253	Jars	
(D) Initial Shut-In Pressure		969 PSI	(depth)	3603	Safety Jt.	
(E) Second Initial Flow Pressure		159 PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure		217 PSI	(depth)		Sampler	
(G) Final Shut-In Pressure		934 PSI	**Initial Opening**	30	Straddle	
(Q) Final Hydrostatic Mud		1735 PSI	Initial Shut-In	45	Ext. Packer	
			Final Flow	30	Shale Packer	
			Final Shut-In	45	Mileage	10 1 way
			T-On Location	16:15	Sub Total:	920
			T-Started	17:13	Std. By	
			T-Open	18:28	Other	
			T-Pulled	20:58	Total:	
			T-Out	23:10		

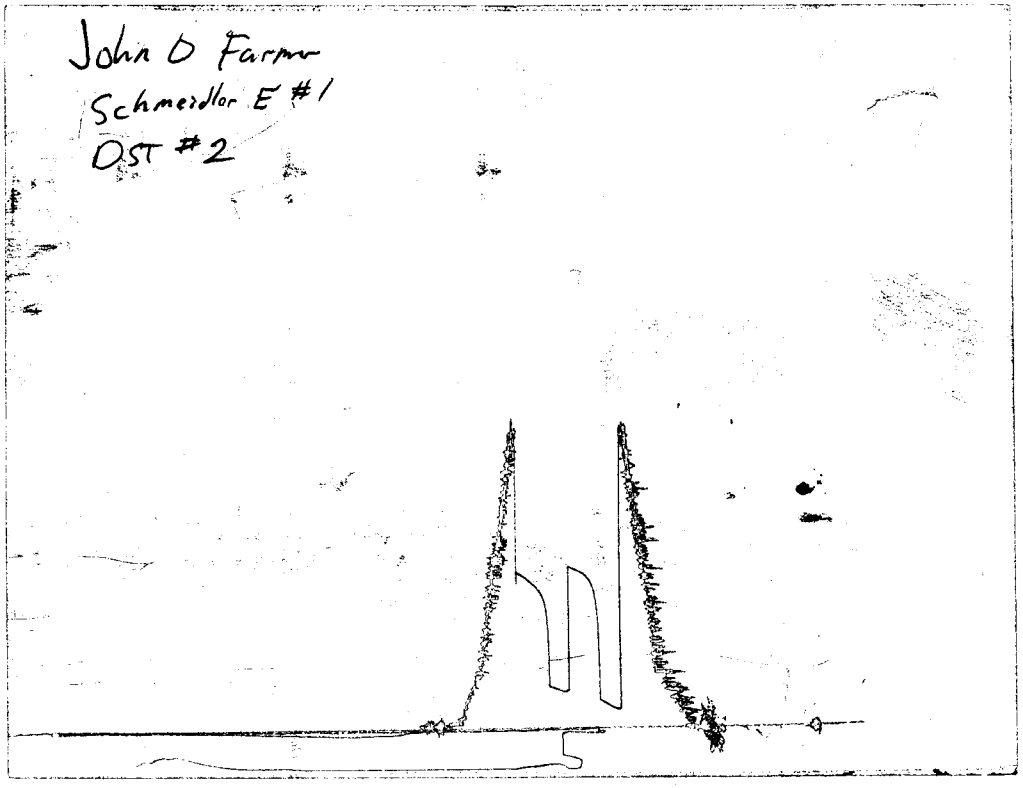
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By _____

Our Representative Jason McJonson

CHART PAGE

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



TRILOBITE TESTING INC.

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05/03

№ 20234

Test Ticket

Well Name & No. Schmeidler E #1 Test No. 3 Date 12-7-04

Company John O. Farmer Zone Tested Arbuckle

Address PO Box 352, Russell, Ks. 67665 Elevation 2039 KB 2029 GL

Co. Rep / Geo. Matt Dreiling Cont. Discovery #1 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 5 Twp. 13s Rge. 17w Co. Ellis State Ks

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

Interval Tested 3605 - 3615 Initial Str Wt./Lbs. 48,000 Unseated Str Wt/Lbs. 48,000

Anchor Length 10' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000

Top Packer Depth 3600 Tool Weight 1800

Bottom Packer Depth 3605 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3615 Wt. Pipe Run 0 Drill Collar Run 31

Mud Wt. 9.1 LCM 4# Vis. 48 WL 8.8 Drill Pipe Size 4½XH Ft. Run 3580

Blow Description IFP - Good Blow, BOB in 14 Min.
ISI - Dead
FFP - Weak Blow, Built to 1" in 20 min, Then died
FSI Dead

Recovery - Total Feet 340 GIP _____ Ft. in DC _____ Ft. in DP _____

Rec. 100	Feet of Free Oil	%gas	%oil	%water	%mud
Rec. 240	Feet of Water	%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 104 °F Gravity 24 °API D @ 50 °F Corrected Gravity 25 °API

RW .330 @ 42° °F Chlorides 31,000 ppm Recovery _____ Chlorides 5,000 ppm System

	AK-1	Alpine				
(A)Initital Hydrostatic Mud		1780 PSI	Recorder No.	6753	Test	✓
(B) First Initial Flow Pressure		19 PSI	(depth)	3607	Elec. Rec.	✓
(C) First Final Flow Pressure		96 PSI	Recorder No.		Jars	
(D) Initial Shut-In Pressure		928 PSI	(depth)		Safety Jt.	
(E) Second Initial Flow Pressure		99 PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure		148 PSI	(depth)		Sampler	
(G) Final Shut-In Pressure		887 PSI	**Initial Opening**	30	Straddle	
(Q) Final Hydrostatic Mud		1796 PSI	Initial Shut-In	45	Ext. Packer	
			Final Flow	30	Shale Packer	
			Final Shut-In	45	Mileage	
			T-On Location	3:40	Sub Total:	920
			T-Started	4:11	Std. By	
			T-Open	6:08	Other	
			T-Pulled	8:38	Total:	
			T-Out	10:00		

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Approved By _____

Our Representative Jason McLemore

Thank You