

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P O Box 352
Russell KS 67665

ATTN: John O Farmer IV

18 17S 24W Ness KS

Potter D-1

Start Date: 2006.08.21 @ 14:54:13

End Date: 2006.08.22 @ 00:41:42

Job Ticket #: 26787 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

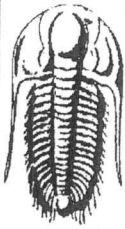
Potter D-1

18 17S 24W Ness KS

DST # 1

Ft.Scott

2006.08.21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

P O Box 352
Russell KS 67665

ATTN: John O Farmer IV

Potter D-1

18 17S 24W Ness KS

Job Ticket: 26787

DST#: 1

Test Start: 2006.08.21 @ 14:54:13

GENERAL INFORMATION:

Formation: **Ft.Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:19:42

Time Test Ended: 00:41:42

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **4262.00 ft (KB) To 4310.00 ft (KB) (TVD)**

Total Depth: 4310.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2431.00 ft (KB)

2423.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: 767.56 psig @ 4269.01 ft (KB)

Start Date: 2006.08.21

End Date:

2006.08.22

Start Time: 14:54:13

End Time:

00:41:42

Capacity: 7000.00 psig

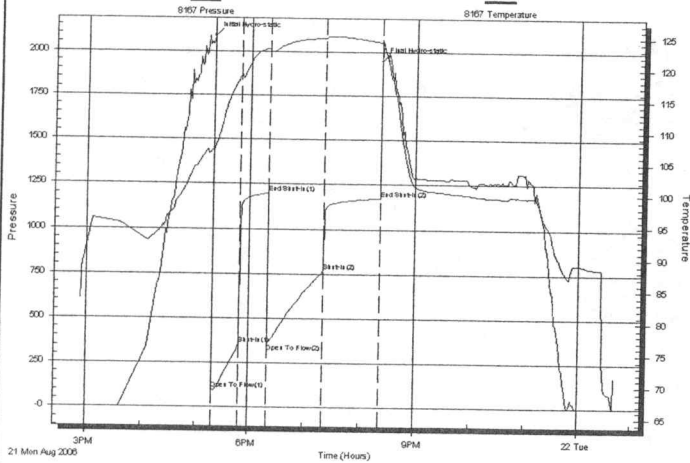
Last Calib.: 2006.08.22

Time On Btm: 2006.08.21 @ 17:19:12

Time Off Btm: 2006.08.21 @ 20:21:42

TEST COMMENT: IFP Strg bl in 1 min
FFP Strg bl thru-out GTS
Times 30 30 60 60
ISP Strg bl bk GTS in 20 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2085.39	107.43	Initial Hydro-static
1	99.53	107.05	Open To Flow (1)
31	353.23	118.92	Shut-In(1)
61	1196.66	123.17	End Shut-In(1)
62	361.34	122.82	Open To Flow (2)
121	767.56	124.84	Shut-In(2)
182	1171.50	124.22	End Shut-In(2)
183	1946.56	124.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MGO 25%G 65%O 10%M	1.41
2550.00	CGO	35.77

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Potter D-1

P O Box 352
Russell KS 67665

18 17S 24W Ness KS

Job Ticket: 26787

DST#: 1

ATTN: John O Farmer IV

Test Start: 2006.08.21 @ 14:54:13

Tool Information

Drill Pipe:	Length: 4229.00 ft	Diameter: 3.80 inches	Volume: 59.32 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	59.47 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4262.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.02 ft			
Tool Length:	69.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4242.00	
Shut In Tool	5.00			4247.00	
Hydraulic tool	5.00			4252.00	
Packer	5.00			4257.00	21.00 Bottom Of Top Packer
Packer	5.00			4262.00	
Stubb	1.00			4263.00	
Perforations	6.00			4269.00	
Recorder	0.01	8167	Inside	4269.01	
Perforations	5.00			4274.01	
Recorder	0.01	13534	Outside	4274.02	
Blank Spacing	33.00			4307.02	
Bullnose	3.00			4310.02	48.02 Bottom Packers & Anchor

Total Tool Length: 69.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Potter D-1

P O Box 352
Russell KS 67665

18 17S 24W Ness KS

Job Ticket: 26787

DST#: 1

ATTN: John O Farmer IV

Test Start: 2006.08.21 @ 14:54:13

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 40 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.73 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MGO 25%G 65%O 10%M	1.410
2550.00	CGO	35.770

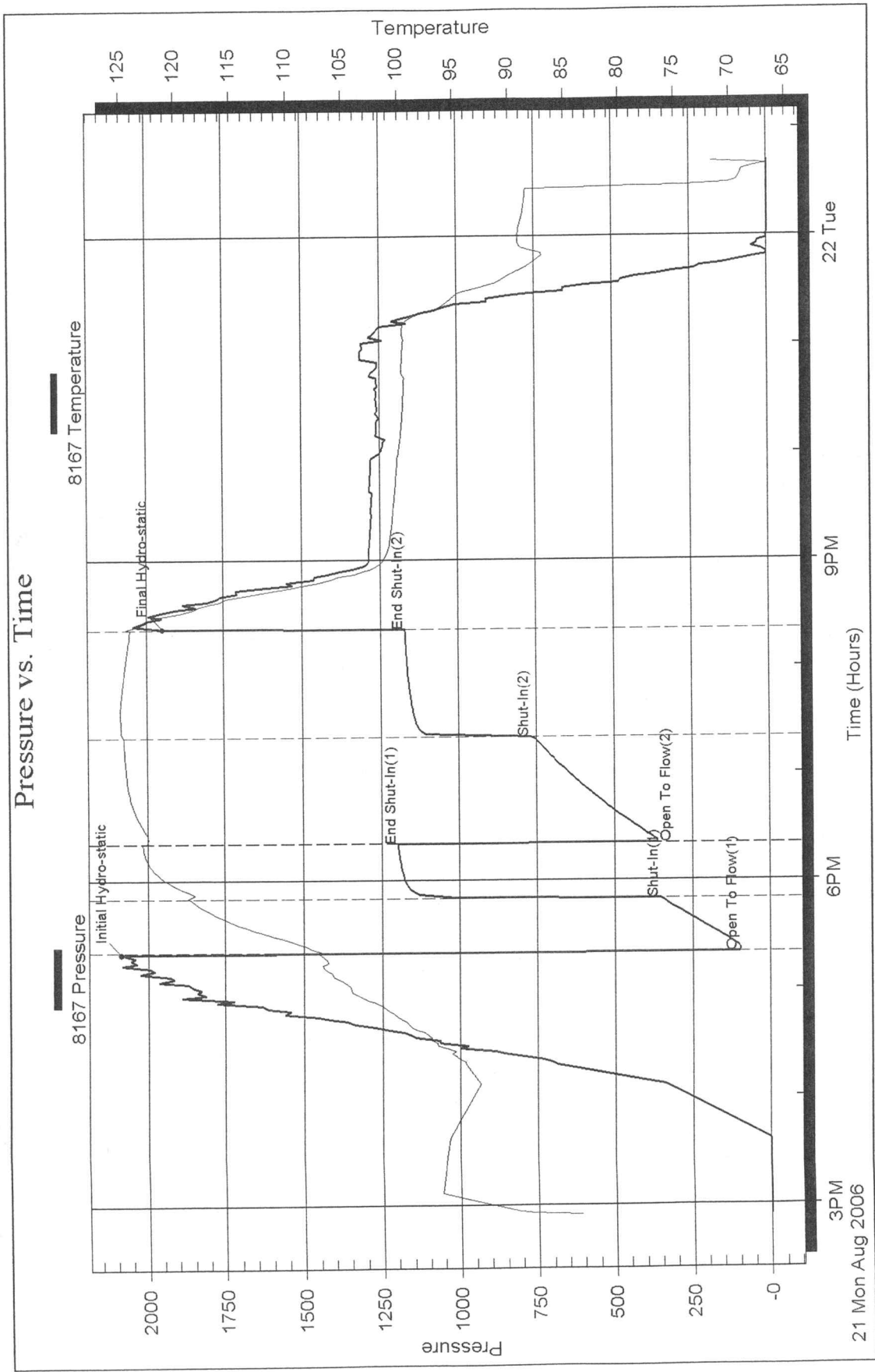
Total Length: 2670.00 ft Total Volume: 37.180 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P O Box 352
Russell KS 67665

ATTN: John O Farmer IV

18 17S 24W Ness KS

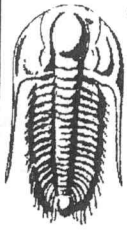
Potter D-1

Start Date: 2006.08.22 @ 09:26:53

End Date: 2006.08.22 @ 17:28:22

Job Ticket #: 26788 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

John O Farmer Inc
 P O Box 352
 Russell KS 67665
 ATTN: John O Farmer IV

Potter D-1
18 17S 24W Ness KS
 Job Ticket: 26788 DST#: 2
 Test Start: 2006.08.22 @ 09:26:53

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:18:52
 Time Test Ended: 17:28:22
 Interval: **4324.00 ft (KB) To 4390.00 ft (KB) (TVD)**
 Total Depth: 4390.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 28
 Reference Elevations: 2431.00 ft (KB)
 2423.00 ft (CF)
 KB to GR/CF: 8.00 ft

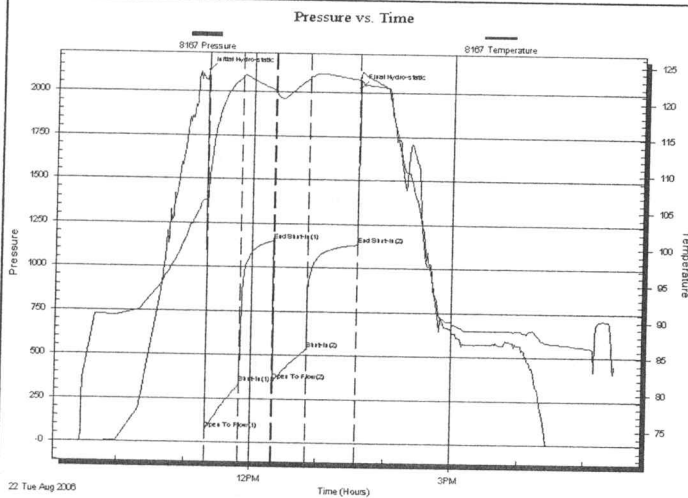
Serial #: 8167

Inside

Press@RunDepth: 537.52 psig @ 4331.01 ft (KB)
 Start Date: 2006.08.22 End Date: 2006.08.22
 Start Time: 09:26:53 End Time: 17:28:22

Capacity: 7000.00 psig
 Last Calib.: 2006.08.22
 Time On Btm: 2006.08.22 @ 11:18:22
 Time Off Btm: 2006.08.22 @ 13:35:22

TEST COMMENT: IFP Strg bl in 3 min
 FFP Strg bl in 2 min
 Times 30 30 30 45
 ISIP 2 3/4 " bl bk



PRESSURE SUMMARY

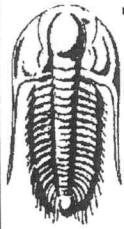
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.31	106.62	Initial Hydro-static
1	75.85	105.73	Open To Flow (1)
32	335.03	123.23	Shut-In(1)
61	1151.25	121.48	End Shut-In(1)
62	353.28	121.19	Open To Flow (2)
92	537.52	123.05	Shut-In(2)
137	1133.29	122.97	End Shut-In(2)
137	2028.58	123.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MGO 30%G 45%O 25%M	1.41
1430.00	CO	20.06

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Potter D-1

P O Box 352
Russell KS 67665

18 17S 24W Ness KS

Job Ticket: 26788

DST#: 2

ATTN: John O Farmer IV

Test Start: 2006.08.22 @ 09:26:53

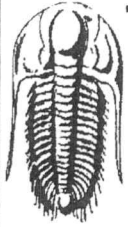
Tool Information

Drill Pipe:	Length: 4291.00 ft	Diameter: 3.80 inches	Volume: 60.19 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 60.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4324.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.02 ft			
Tool Length:	87.02 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			4304.00	
Shut In Tool	5.00			4309.00	
Hydraulic tool	5.00			4314.00	
Packer	5.00			4319.00	21.00 Bottom Of Top Packer
Packer	5.00			4324.00	
Stubb	1.00			4325.00	
Perforations	6.00			4331.00	
Recorder	0.01	8167	Inside	4331.01	
Blank Spacing	32.00			4363.01	
Recorder	0.01	13534	Outside	4363.02	
Perforations	24.00			4387.02	
Bullnose	3.00			4390.02	66.02 Bottom Packers & Anchor

Total Tool Length: 87.02



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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Potter D-1

P O Box 352
Russell KS 67665

18 17S 24W Ness KS

Job Ticket: 26788

DST#: 2

ATTN: John O Farmer IV

Test Start: 2006.08.22 @ 09:26:53

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.70 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	MGO 30%G 45%O 25%M	1.410
1430.00	CO	20.059

Total Length: 1550.00 ft

Total Volume: 21.469 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

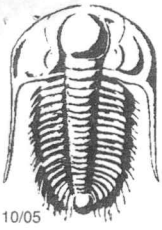


22 Tue Aug 2006

3PM

12PM

Time (Hours)



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9184

26787

Test Ticket

Well Name & No. POTTER D-1 Test No. 1 Date 8-21-06
 Company John D. Farmer Inc Zone Tested FT. SCOTT
 Address P.O. Box 352 Russell, Ks 67665 Elevation 2431 KB 2423 GL
 Co. Rep / Geo. Randy Killian Rig Discovery rig 3
 Location: Sec. 18 Twp. 17^s Rge. 24^w Co. Ness State Ks
 Comment: _____ Release date / time: _____

Interval Tested 4262-4310 Initial Str Wt./Lbs. 42000 Unseated Str Wt./Lbs. 47000
 Anchor Length 48 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 60000
 Top Packer Depth 4257 Tool Weight 2200
 Bottom Packer Depth 4262 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 4310 Wt. Pipe Run - Drill Collar Run 30
 Mud Wt. 9 LCM - Vis. 50 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 4229
 Blow Description TFP - STRONG Blow, w 1 min
FFP - STRONG Blow Thruout GTS
ISIP - STRONG Blow BACK GTS, w 20 min
FSIP - GTS

Recovery - Total Feet 2670 GIP GTS Ft. in DC 30 Ft. in DP 2640
 Rec. 2550 Feet of CGO %gas %oil %water %mud
 Rec. 120 Feet of GMO 25 %gas 65 %oil %water 10 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 124 °F Gravity 40 °API D @ 60 °F Corrected Gravity 40 °API
 RW - @ - °F Chlorides - ppm Recovery - Chlorides 4000 ppm System

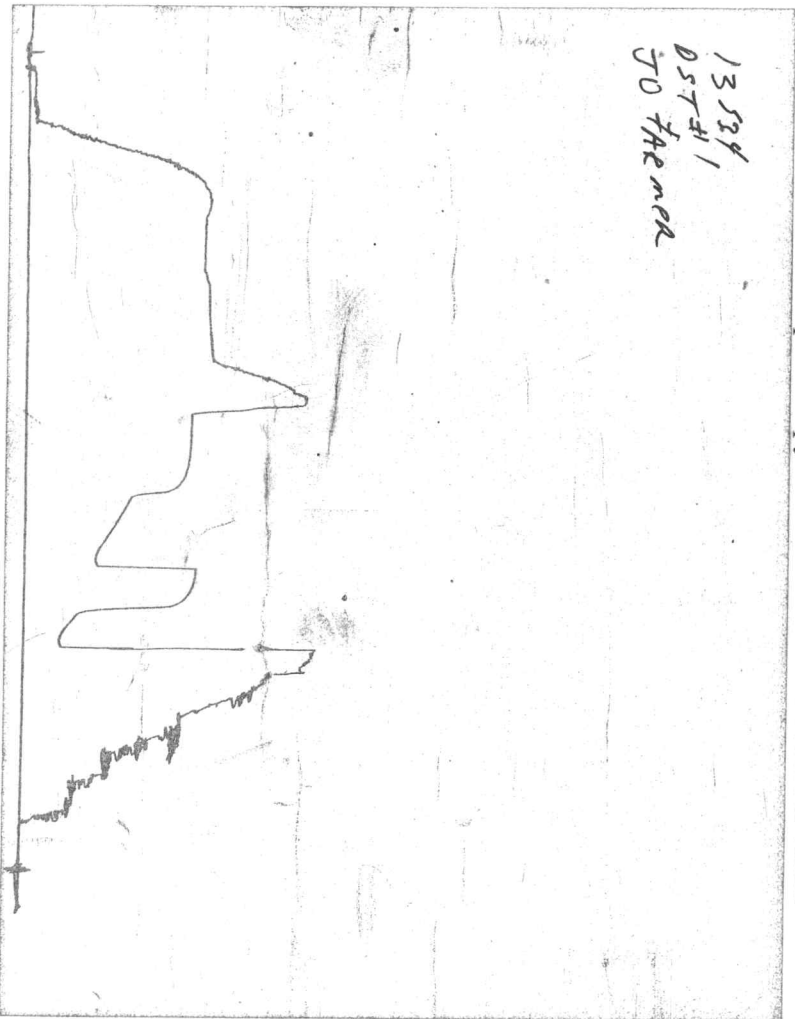
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2041</u> PSI	<u>8167</u>	<input checked="" type="checkbox"/> <u>1200</u>
(B) First Initial Flow Pressure		<u>99</u> PSI	(depth) <u>4269</u>	Jars _____
(C) First Final Flow Pressure		<u>353</u> PSI	Recorder No. <u>13534</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>1196</u> PSI	(depth) <u>4274</u>	Circ Sub <input checked="" type="checkbox"/> <u>50</u>
(E) Second Initial Flow Pressure		<u>361</u> PSI	Recorder No. <u>-</u>	Sampler _____
(F) Second Final Flow Pressure		<u>767</u> PSI	(depth) <u>-</u>	Straddle _____
(G) Final Shut-In Pressure		<u>1171</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1994</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____
			Final Flow <u>60</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>124 RT 155</u>
			T-On Location <u>1400</u>	Sub Total: <u>1405</u>
			T-Started <u>1454</u>	Std. By <u>1.75 175</u>
			T-Open <u>1720</u>	Acc. Chg: _____
			T-Pulled <u>2020</u>	Other: _____
			T-Out <u>0041</u>	Total: <u>\$1580</u>

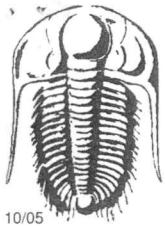
Approved By _____
 Our Representative Ray Schwager Thank not

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.

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

CHART PAGE





TRILOBITE TESTING INC.

26788

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. POTTER 0-1 Test No. 2 Date 8-22-06
 Company John O. Farmer Inc Zone Tested Miss
 Address P.O. Box 352 Russell, Ko 67665 Elevation 2431 KB 2423 GL
 Co. Rep / Geo. Randy Killian Rig Discovery rig 3
 Location: Sec. 18 Twp. 17^s Rge. 24^w Co. Ness State Ko
 Comment: _____ Release date / time: _____

Interval Tested 4324 - 4390 Initial Str Wt./Lbs. 42000 Unseated Str Wt/Lbs. 47000
 Anchor Length 66 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 60000
 Top Packer Depth 4319 Tool Weight 2200
 Bottom Packer Depth 4324 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 4390 Wt. Pipe Run - Drill Collar Run 30
 Mud Wt. 9.2 LCM TR Vis. 53 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 4291
 Blow Description IFP - STRONG BLOW IN 3 MIN
FFP - STRONG BLOW IN 2 MIN
ISIP - 2 3/4" BLOW BACK
FSIP - SURFACE BLOW BACK

Recovery - Total Feet 1550 GIP 360 Ft. in DC 30 Ft. in DP 1520
 Rec. 120 Feet of GMO 30 %gas 45 %oil %water 25 %mud
 Rec. 1430 Feet of CO %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 123 °F Gravity 41 °API D @ 60 °F Corrected Gravity 41 °API
 RW - @ - °F Chlorides - ppm Recovery - Chlorides 4000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2062</u>	PSI	Recorder No.	<u>8167</u>	Test <input checked="" type="checkbox"/> <u>1200</u>
(B) First Initial Flow Pressure	<u>75</u>	PSI	(depth)	<u>4331</u>	Jars _____
(C) First Final Flow Pressure	<u>335</u>	PSI	Recorder No.	<u>13534</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1151</u>	PSI	(depth)	<u>4363</u>	Circ Sub <input checked="" type="checkbox"/> <u>50</u>
(E) Second Initial Flow Pressure	<u>353</u>	PSI	Recorder No.	<u>-</u>	Sampler _____
(F) Second Final Flow Pressure	<u>537</u>	PSI	(depth)	<u>-</u>	Straddle _____
(G) Final Shut-In Pressure	<u>1133</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2037</u>	PSI	Initial Shut-In	<u>30</u>	Shale Packer _____
			Final Flow	<u>30</u>	Ruined Packer _____
			Final Shut-In	<u>45</u>	Mileage <input checked="" type="checkbox"/> <u>52RT 65</u>
			T-On Location	<u>0900</u>	Sub Total: <u>1315</u>
			T-Started	<u>0926</u>	Std. By _____
			T-Open	<u>1120</u>	Acc. Chg: _____
			T-Pulled	<u>1335</u>	Other: _____
			T-Out	<u>1728</u>	Total: _____

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Approved By _____

Our Representative RAY SCHWAGER Thank you

CHART PAGE

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

13534
OST #2
JD Farmer

