

DRILL STEM TEST REPORT

Prepared For: **Jo-Allyn Oil Co**

PO Box 446
Laveme OK 73848

ATTN: Rocky Milford

20 17S 14W Barton Co

Frederick Dirren #1-20

Start Date: 2006.10.07 @ 11:34:37

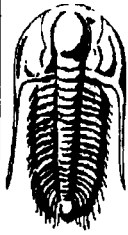
End Date: 2006.10.07 @ 16:07:07

Job Ticket #: 25446 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

Jo-Allyn Oil Co
PO Box 446
Laverne OK 73848
ATTN: Rocky Milford

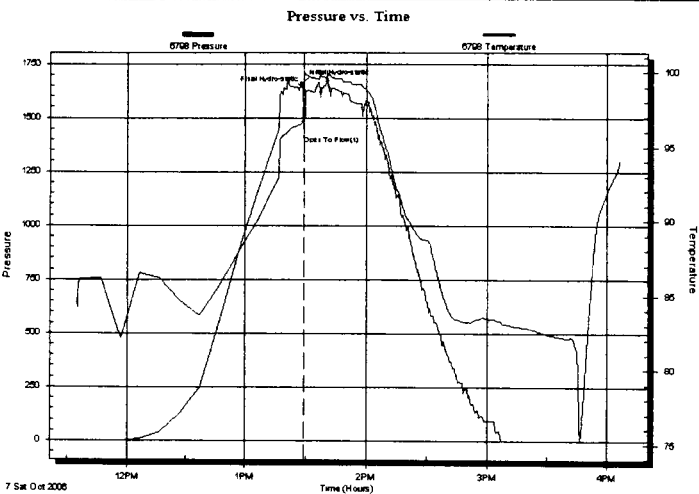
Frederick Dirren #1-20
20 17S 14W Barton Co
Job Ticket: 25446 DST#: 1
Test Start: 2006.10.07 @ 11:34:37

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:29:07
Time Test Ended: 16:07:07
Interval: **3335.00 ft (KB) To 3378.00 ft (KB) (TVD)**
Total Depth: 3378.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Gerald Adams
Unit No: 36
Reference Elevations: 1882.00 ft (KB)
1876.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 6798 Inside
Press@RunDepth: psig @ 3336.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.10.07 End Date: 2006.10.07 Last Calib.: 2006.10.07
Start Time: 11:34:42 End Time: 16:07:06 Time On Btm: 2006.10.07 @ 13:28:07
Time Off Btm: 2006.10.07 @ 13:29:37

TEST COMMENT: IFTool opened mud didn't hold Pulled loose and reset two more times mud didn't hold Packer failure- misrun



PRESSURE SUMMARY

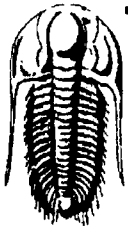
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1659.62	96.58	Initial Hydro-static
1	1376.56	100.08	Open To Flow (1)
2	1625.87	99.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	Drilling Mud	6.06
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jo-Allyn Oil Co

Frederick Dirren #1-20

PO Box 446
Laverne OK 73848

20 17S 14W Barton Co

Job Ticket: 25446

DST#: 1

ATTN: Rocky Milford

Test Start: 2006.10.07 @ 11:34:37

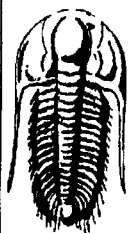
Tool Information

Drill Pipe:	Length: 3072.00 ft	Diameter: 3.80 inches	Volume: 43.09 bbl	Tool Weight: 2300.00 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: 259.00 ft	Diameter: 2.25 inches	Volume: 1.27 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: 44.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3335.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3312.00	
Hydraulic tool	5.00			3317.00	
Jars	5.00			3322.00	
Safety Joint	3.00			3325.00	
Packer	5.00			3330.00	28.00 Bottom Of Top Packer
Packer	5.00			3335.00	
Stubb	1.00			3336.00	
Recorder	0.00	6798	Inside	3336.00	
Perforations	1.00			3337.00	
Change Over Sub	1.00			3338.00	
Blank Spacing	31.00			3369.00	
Change Over Sub	1.00			3370.00	
Perforations	5.00			3375.00	
Recorder	0.00	13249	Outside	3375.00	
Bullnose	3.00			3378.00	43.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Jo-Allyn Oil Co

Frederick Dirren #1-20

PO Box 446
Laverne OK 73848

20 17S 14W Barton Co

Job Ticket: 25446 **DST#: 1**

ATTN: Rocky Miford

Test Start: 2006.10.07 @ 11:34:37

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: 39.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
600.00	Drilling Mud	6.057
0.00		0.000

Total Length: 600.00 ft Total Volume: 6.057 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

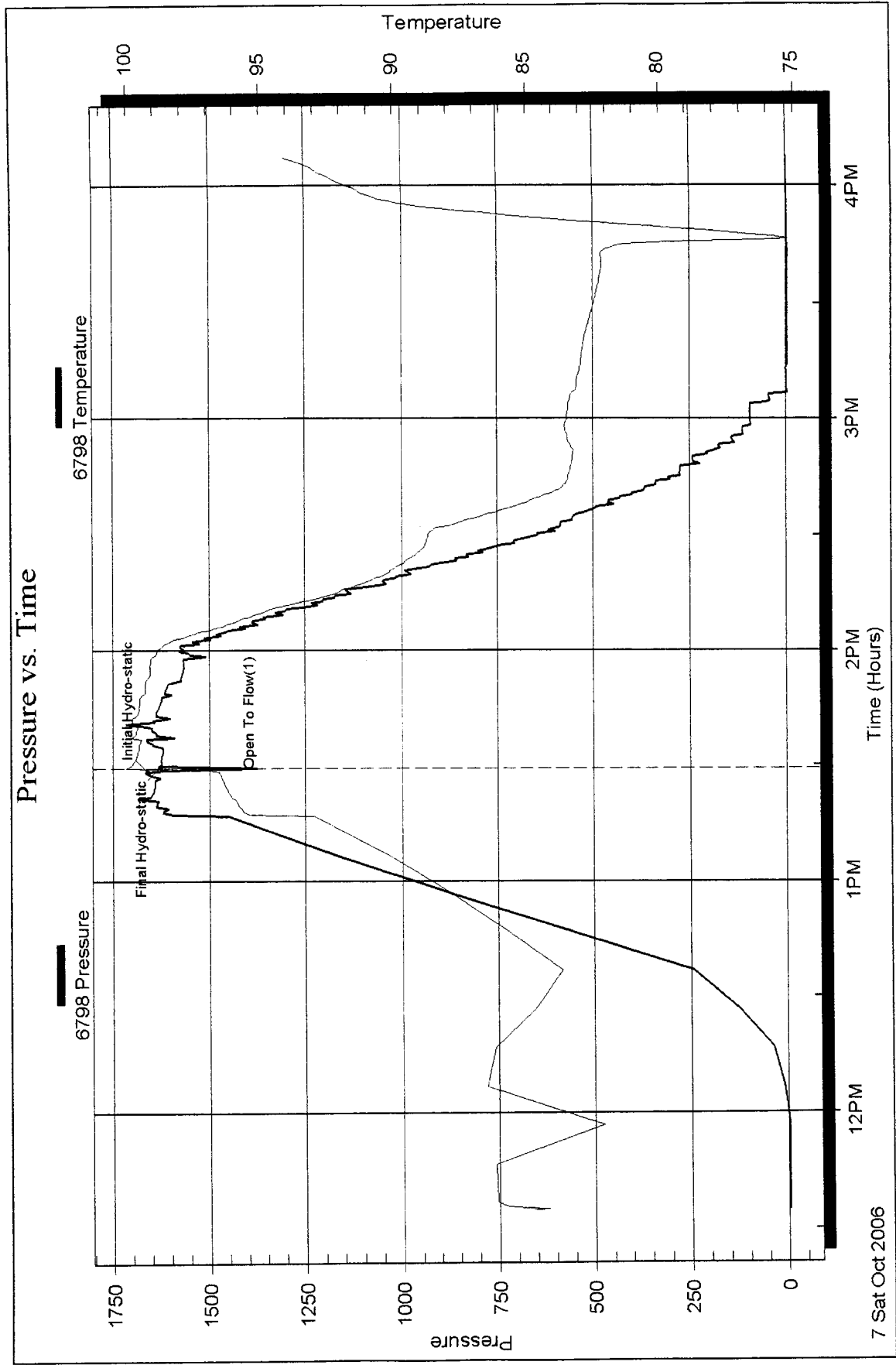
Serial #: 6798

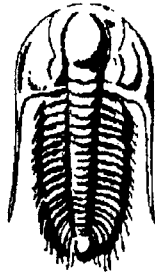
Inside

Jo-Allyn Oil Co

20 17S 14W Barton Co

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Jo-Allyn Oil Co**

PO Box 446
Laverne OK 73848

ATTN: Rocky Milford

20 17S 14W Barton Co

Frederick Dirren #1-20

Start Date: 2006.10.07 @ 16:18:52

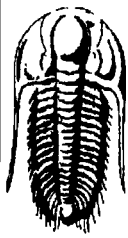
End Date: 2006.10.08 @ 01:16:22

Job Ticket #: 25447 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

Jo-Allyn Oil Co
PO Box 446
Laverne OK 73848
ATTN: Rocky Milford

Frederick Dirren #1-20
20 17S 14W Barton Co
Job Ticket: 25447 **DST#: 2**
Test Start: 2006.10.07 @ 16:18:52

GENERAL INFORMATION:

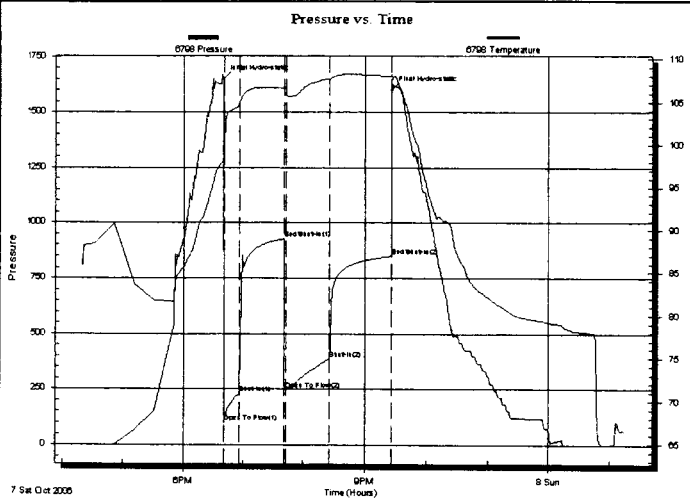
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:40:52
Time Test Ended: 01:16:22
Test Type: Conventional Bottom Hole
Tester: Gerald Adams
Unit No: 36
Interval: **3306.00 ft (KB) To 3378.00 ft (KB) (TVD)**
Reference Elevations: 1882.00 ft (KB)
Total Depth: 3378.00 ft (KB) (TVD) 1876.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 6798

Inside

Press@RunDepth: 387.06 psig @ 3307.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.10.07 End Date: 2006.10.08 Last Calib.: 2006.10.08
Start Time: 16:18:57 End Time: 01:16:22 Time On Btm: 2006.10.07 @ 18:40:22
Time Off Btm: 2006.10.07 @ 21:26:21

TEST COMMENT: IF Strong blow BOB in 2 mins.
ISI No blow
FF Strong blow BOB in 6 mins.
FSI Fair blow BOB in 17 mins.



PRESSURE SUMMARY

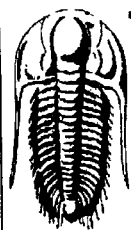
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1646.75	98.12	Initial Hydro-static
1	101.03	100.01	Open To Flow (1)
16	227.91	104.91	Shut-In(1)
60	926.69	106.65	End Shut-In(1)
62	246.20	105.81	Open To Flow (2)
105	387.06	107.67	Shut-In(2)
166	849.90	107.98	End Shut-In(2)
166	1600.01	108.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
290.00	SMCO 95%O 5%M	1.71
620.00	SMCG&O 25%G 55%O 20%M	8.70
30.00	SOCM 4%O 96%M	0.42
0.00	Gravity= 40 API @ 65 deg. 39.5 API Co 0.00	0.00
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jo-Allyn Oil Co

Frederick Dirren #1-20

PO Box 446
Laverne OK 73848

20 17S 14W Barton Co

Job Ticket: 25447

DST#: 2

ATTN: Rocky Milford

Test Start: 2006.10.07 @ 16:18:52

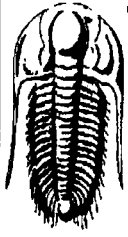
Tool Information

Drill Pipe:	Length: 3041.00 ft	Diameter: 3.80 inches	Volume: 42.66 bbl	Tool Weight: 2300.00 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: 259.00 ft	Diameter: 2.25 inches	Volume: 1.27 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: 43.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3306.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	100.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:
Lost about 10' mud on tool opening.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3283.00	
Hydraulic tool	5.00			3288.00	
Jars	5.00			3293.00	
Safety Joint	3.00			3296.00	
Packer	5.00			3301.00	28.00 Bottom Of Top Packer
Packer	5.00			3306.00	
Stubb	1.00			3307.00	
Recorder	0.00	6798	Inside	3307.00	
Change Over Sub	1.00			3308.00	
Blank Spacing	31.00			3339.00	
Change Over Sub	1.00			3340.00	
Perforations	35.00			3375.00	
Recorder	0.00	13249	Outside	3375.00	
Bullnose	3.00			3378.00	72.00 Bottom Packers & Anchor

Total Tool Length: 100.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Jo-Allyn Oil Co

Frederick Dirren #1-20

PO Box 446
Laverne OK 73848

20 17S 14W Barton Co

Job Ticket: 25447 **DST#: 2**

ATTN: Rocky Milford

Test Start: 2006.10.07 @ 16:18:52

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: 39.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
290.00	SMCO 95%O 5%M	1.709
620.00	SMCG&O 25%G 55%O 20%M	8.697
30.00	SOCM 4%O 96%M	0.421
0.00	Gravity= 40 API @ 65 deg. 39.5 API Co	0.000
0.00		0.000

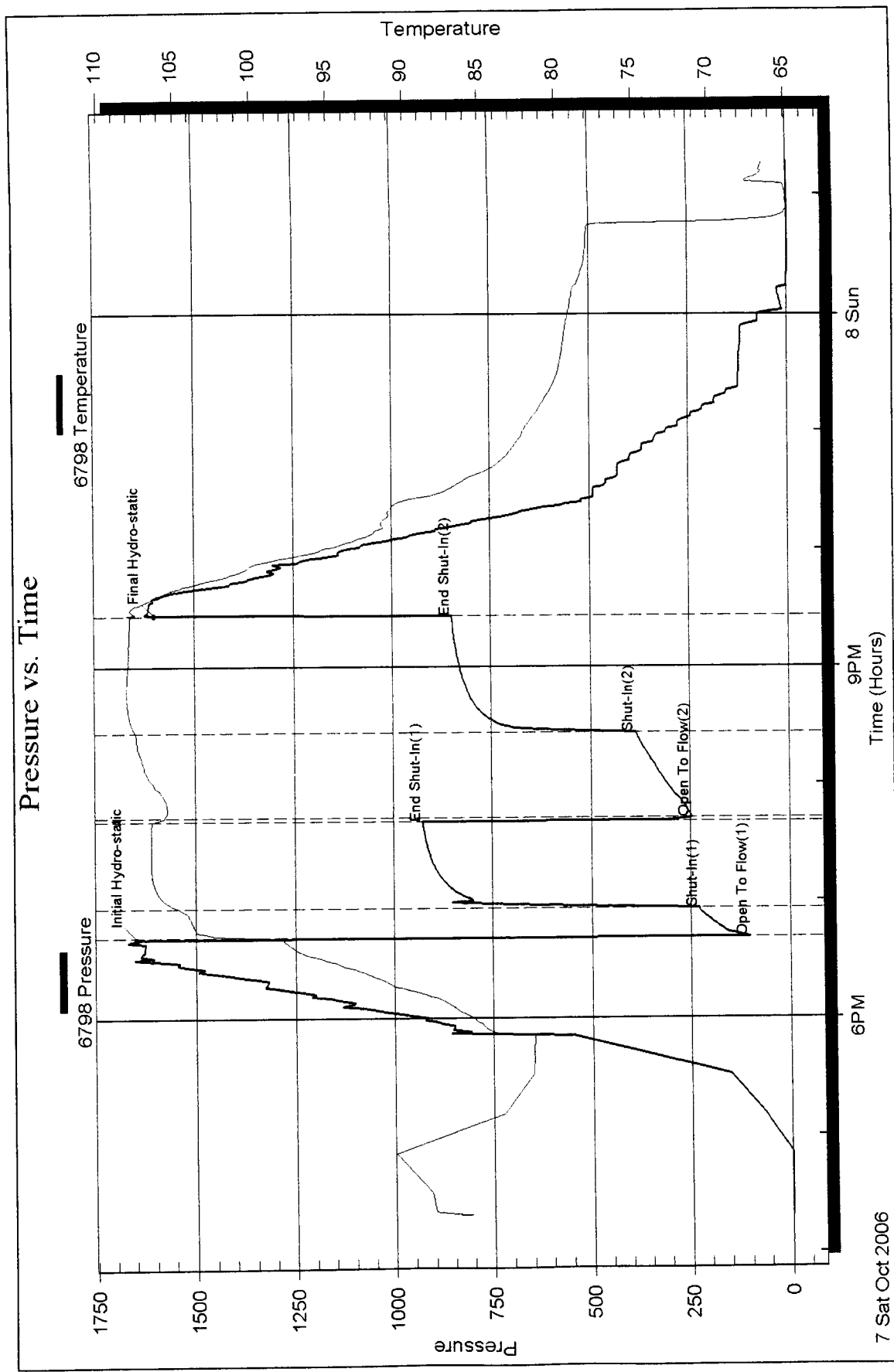
Total Length: 940.00 ft Total Volume: 10.827 bbl

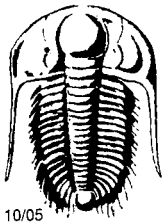
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9311

25446

Test Ticket

Well Name & No. Frederick Dirren # 1-20 Test No. 1 Date 10-7-06
 Company Jo-Allyn Oil Co. Zone Tested Arbuckle
 Address P.O. Box 446 Laverne, Oklahoma 73848 Elevation 1882 KB 1876 GL
 Co. Rep / Geo. Rocky Milford Rig Landmark
 Location: Sec. 20 Twp. 17s Rge. 14w Co. Barton State Ks.
 Comment: _____ Release date / time: _____

Interval Tested 3335-3378 Initial Str Wt./Lbs. 30,000 Unseated Str Wt./Lbs. 34,000
 Anchor Length 43 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 35,000
 Top Packer Depth 3330 Tool Weight 2,300
 Bottom Packer Depth 3335 Hole Size 7 7/8" V Rubber Size 6 3/4" V
 Total Depth 3378 Wt. Pipe Run 0 Drill Collar Run 259 H-90
 Mud Wt. 9.1 LCM TR Vis. 39 WL 11.0 Drill Pipe Size 4 1/2" x H Ft. Run 3072
 Blow Description IF: Tool open, mud didn't hold. Pulled loose and reset two more times, mud didn't hold. Packer failure - misrun.

Recovery - Total Feet 600 GIP 0 Ft. in DC 259 Ft. in DP 341
 Rec. 600 Feet of Drilling 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 N/C °F Gravity N/C °API D @ _____ °F Corrected Gravity _____ °API
 RW N/C @ _____ °F Chlorides 8,000 ppm Recovery _____ Chlorides 8,000 ppm System

	AK-1	Alpine	Recorder No.	Test	
(A) Initial Hydrostatic Mud	<u>1660</u>	PSI	<u>6798</u>	<u>✓</u>	<u>900</u>
(B) First Initial Flow Pressure	<u>1377</u>	PSI	(depth) <u>3336</u>	Jars <u>✓</u>	<u>250</u>
(C) First Final Flow Pressure	<u>1627</u>	PSI	Recorder No. <u>13249</u>	Safety Jt. <u>✓</u>	<u>75</u>
(D) Initial Shut-In Pressure		PSI	(depth) <u>3375</u>	Circ Sub <u>✓</u>	<u>50</u>
(E) Second Initial Flow Pressure		PSI	Recorder No. _____	Sampler _____	
(F) Second Final Flow Pressure		PSI	(depth) _____	Straddle _____	
(G) Final Shut-In Pressure		PSI	Initial Opening <u>2</u>	Ext. Packer _____	
(Q) Final Hydrostatic Mud		PSI	Initial Shut-In <u>0</u>	Shale Packer _____	

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Approved By Alley Bailey
 Our Representative Herald Adams

Thank You.

Final Flow 0
 Final Shut-In 0
 T-On Location 1045
 T-Started 1134
 T-Open 1329
 T-Pulled 1334
 T-Out 1607

Ruined Packer 18125
 Mileage ✓ 145 R.T. 9/10
 Sub Total: _____
 Std. By: _____
 Acc. Chg: _____
 Other: \$ 1456.25
 Total: _____

CHART PAGE

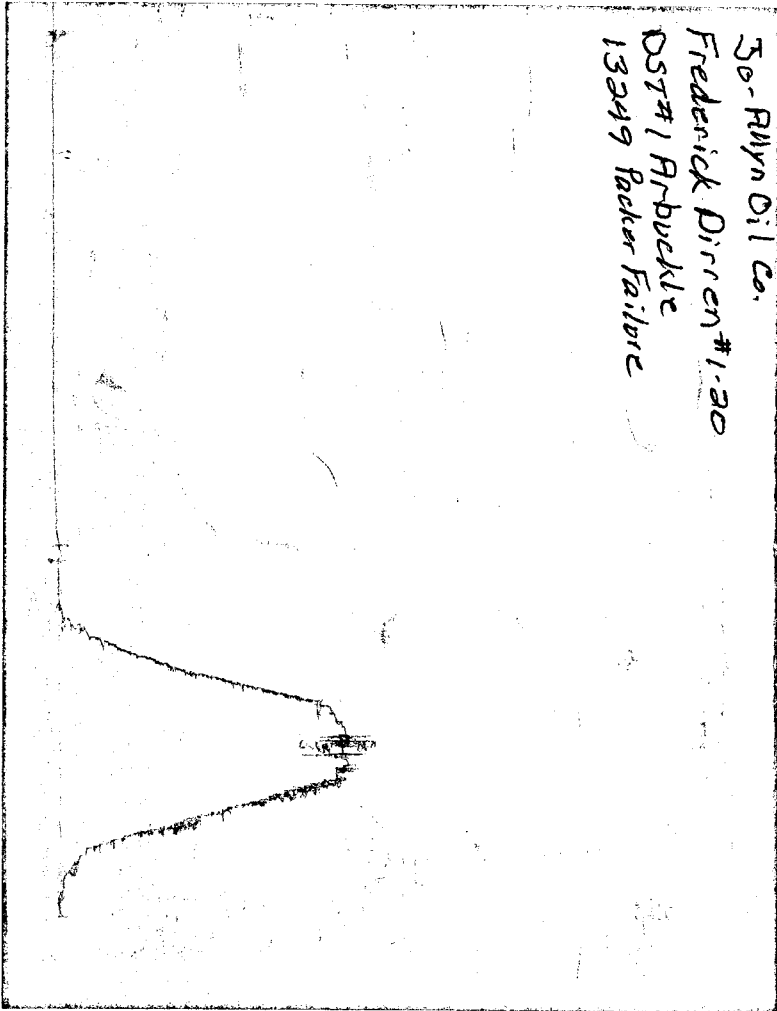
This is a photocopy of the actual AK-1 recorder chart.

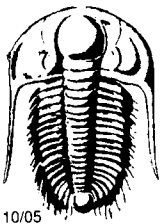
50- Allyn Oil Co.

Frederick Dirren #1-20

DST #1 Arbuckle

13249 Baker Failure





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25447

Test Ticket

Well Name & No. Frederick Dirsen #1-20 Test No. 2 Date 10-7-06
 Company Jo-Allyn Oil Co. Zone Tested Arbuckle
 Address P.O. Box 446 Laverne, Oklahoma 73848 Elevation 1882 KB 1876 GL
 Co. Rep / Geo. Rodney Milford Rig Landmark
 Location: Sec. 20 Twp. 17s Rge. 14w Co. Barton State Ks.
 Comment: _____ Release date / time: _____

Interval Tested 3306-3378 Initial Str Wt./Lbs. 30,000 Unseated Str Wt./Lbs. 34,000
 Anchor Length 72 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 35,000
 Top Packer Depth 3301 Tool Weight 2,300
 Bottom Packer Depth 3306 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3378 Wt. Pipe Run 0 Drill Collar Run 259 H-90
 Mud Wt. 9.1 LCM TR Vis. 39 WL 11.0 Drill Pipe Size 4 1/2" xH Ft. Run 3041
 Blow Description IF: Strong blow. B.O.B. in 2 mins. (Lost about 10' mud on tool opening.)
ISI: No blow.
FF: Strong blow. B.O.B. in 6 mins.
FSI: Fair blow. B.O.B. in 17 mins.

Recovery - Total Feet 940 GIP --- Ft. in DC 259 Ft. in DP 681
 Rec. 30 Feet of 50CM %gas 4 %oil _____ %water 96 %mud _____
 Rec. 620 Feet of 5MCG+O %gas 25 %oil 55 %water 20 %mud _____
 Rec. 290 Feet of 5MCO %gas 95 %oil _____ %water 5 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 108 °F Gravity 40 °API D @ 65 °F Corrected Gravity 39.5 °API
 RW NIC @ _____ °F Chlorides 8,000 ppm Recovery --- Chlorides 8,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1670</u>	PSI	<u>6798</u>	<u>✓ 1100</u>
(B) First Initial Flow Pressure	<u>101</u>	PSI	(depth) <u>3307</u>	Jars <u>✓ 250</u>
(C) First Final Flow Pressure	<u>228</u>	PSI	Recorder No. <u>13249</u>	Safety Jt. <u>✓ 75</u>
(D) Initial Shut-In Pressure	<u>927</u>	PSI	(depth) <u>3375</u>	Circ Sub <u>✓ 50</u>
(E) Second Initial Flow Pressure	<u>246</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>387</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>850</u>	PSI	Initial Opening <u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1626</u>	PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>45</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>---</u>
			T-On Location <u>40451607</u>	Sub Total: _____
			T-Started <u>1618</u>	Std. By <u>1.25 125</u>
			T-Open <u>1840</u>	Acc. Chg: _____
			T-Pulled <u>2125</u>	Other: _____
			T-Out <u>0116</u>	Total: <u>\$1600</u>

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Approved By Allen Barber
 Our Representative Herold Adams

Thank You.

CHART PAGE

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

So-Allyn Oil Co.
Frederick Dirren #1-20
D57 #2 Arbuckle
18249

