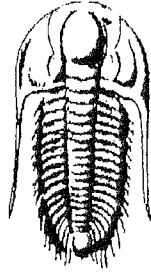


33-31s-13w



TRILOBITE  
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Roberts Resources, Inc.**

520 S. Holland  
Ste. 207  
Wichita, KS 67202

ORIGINAL

ATTN: Kent Roberts

**33-31s-13w**

**Suhler #1-33**

Start Date: 2005.04.30 @ 03:44:08  
End Date: 2005.04.30 @ 12:10:23  
Job Ticket #: 21415                      DST #: 1

RECEIVED

AUG 02 2005

KCC WICHITA

15-007-22893-00-00

NE

2085 FUL 1320 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Roberts Resources, Inc.

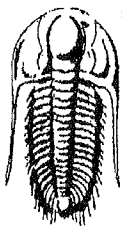
Suhler #1-33

33-31s-13w

DST # 1

Indian Cave

2005.04.30



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Roberts Resources, Inc.

**Suhler #1-33**

520 S. Holland  
Ste. 207  
Wichita, KS 67202  
ATTN: Kent Roberts

**33-31s-13w**

Job Ticket: 21415      DST#: 1  
Test Start: 2005.04.30 @ 03:44:08

## GENERAL INFORMATION:

Formation: **Indian Cave**

Deviated: No      Whipstock:      ft (KB)

Time Tool Opened: 06:14:38

Time Test Ended: 12:10:23

Test Type: Conventional Bottom Hole

Tester: Davy Cline

Unit No: 24

Interval: **2590.00 ft (KB) To 2625.00 ft (KB) (TVD)**

Total Depth: 2655.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1572.00 ft (KB)

1561.00 ft (CF)

KB to GR/CF: 11.00 ft

## Serial #: 6753

Press@RunDepth: 354.20 psig @      ft (KB)

Start Date: 2005.04.30

End Date: 2005.04.30

Start Time: 03:44:09

End Time: 12:10:23

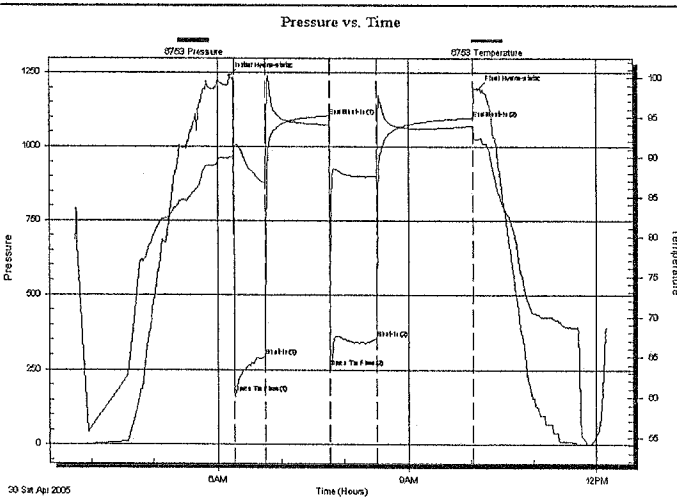
Capacity: 7000.00 psig

Last Calib.: 2005.04.30

Time On Btm: 2005.04.30 @ 06:10:53

Time Off Btm: 2005.04.30 @ 10:06:53

**TEST COMMENT:** IF: Strong blow . BOB 15 sec. GTS 2 min 30 sec. See gas flow rates.  
IS: Bled off for 15min. Weak 1 inch blow ..  
FF: Strong blow . BOB Immediately. See gas flow rates.  
FSI: Bled off for 15 min. Weak



## PRESSURE SUMMARY

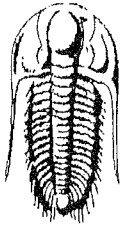
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1237.91	90.05	Initial Hydro-static
4	171.46	91.01	Open To Flow (1)
34	294.78	86.77	Shut-In(1)
95	1104.18	94.04	End Shut-In(1)
96	259.17	71.80	Open To Flow (2)
140	354.20	87.64	Shut-In(2)
231	1096.98	93.95	End Shut-In(2)
236	1195.31	92.30	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	G&WCM 55%w 45% m	0.72
60.00	MCW 80%w 20% m	0.62
120.00	MCW 95%w 5% m	1.23

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	34.00	756.00
Last Gas Rate	0.75	54.00	1068.40
Max. Gas Rate	0.75	64.00	1224.60



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Roberts Resources, Inc.

**Suhler #1-33**

520 S. Holland  
Ste. 207  
Wichita, KS 67202  
ATTN: Kent Roberts

**33-31s-13w**

Job Ticket: 21415      **DST#: 1**

Test Start: 2005.04.30 @ 03:44:08

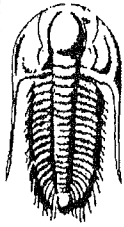
**Tool Information**

Drill Pipe:	Length: 2590.00 ft	Diameter: 3.25 inches	Volume: 26.58 bbl	Tool Weight: 2100.00 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: 0.00 ft	Diameter: 2.88 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
		<u>Total Volume:</u>	<u>26.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	2590.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 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			2563.00	
Shut In Tool	5.00			2568.00	
Hydraulic tool	5.00			2573.00	
Jars	5.00			2578.00	
Safety Joint	2.00			2580.00	
Packer	5.00			2585.00	28.00      Bottom Of Top Packer
Packer	5.00			2590.00	
Stubb	1.00			2591.00	
Recorder	0.00	5753	Inside	2591.00	
Perforations	31.00			2622.00	
Recorder	0.00	13400	Outside	2622.00	
Bullnose	3.00			2625.00	35.00      Bottom Packers & Anchor

**Total Tool Length: 63.00**



**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

FLUID SUMMARY

Roberts Resources, Inc.

Suhler #1-33

520 S. Holland  
Ste. 207  
Wichita, KS 67202  
ATTN: Kent Roberts

33-31s-13w  
Job Ticket: 21415      DST#: 1  
Test Start: 2005.04.30 @ 03:44:08

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity: 68000 ppm	
Viscosity: 27.00 sec/qt	Cushion Volume: bbl		
Water Loss: in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.12 ohm.m	Gas Cushion Pressure: psig		
Salinity: 107000.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

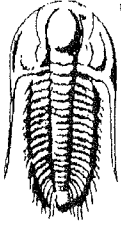
Length ft	Description	Volume bbl
70.00	G&WCM 55%w 45%m	0.718
60.00	MCW 80%w 20%m	0.616
120.00	MCW 95%w 5%m	1.231

Total Length: 250.00 ft      Total Volume: 2.565 bbl

Num Fluid Samples: 1      Num Gas Bombs: 0      Serial #: DC

Laboratory Name: Caraway      Laboratory Location: Liberal, KS

Recovery Comments: Water Recovery- .12 ohms 61 deg.



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

GAS RATES

Roberts Resources, Inc.

Suhler #1-33

520 S. Holland

33-31s-13w

Ste. 207

Job Ticket: 21415

DST#: 1

Wichita, KS 67202

ATTN: Kent Roberts

Test Start: 2005.04.30 @ 03:44:08

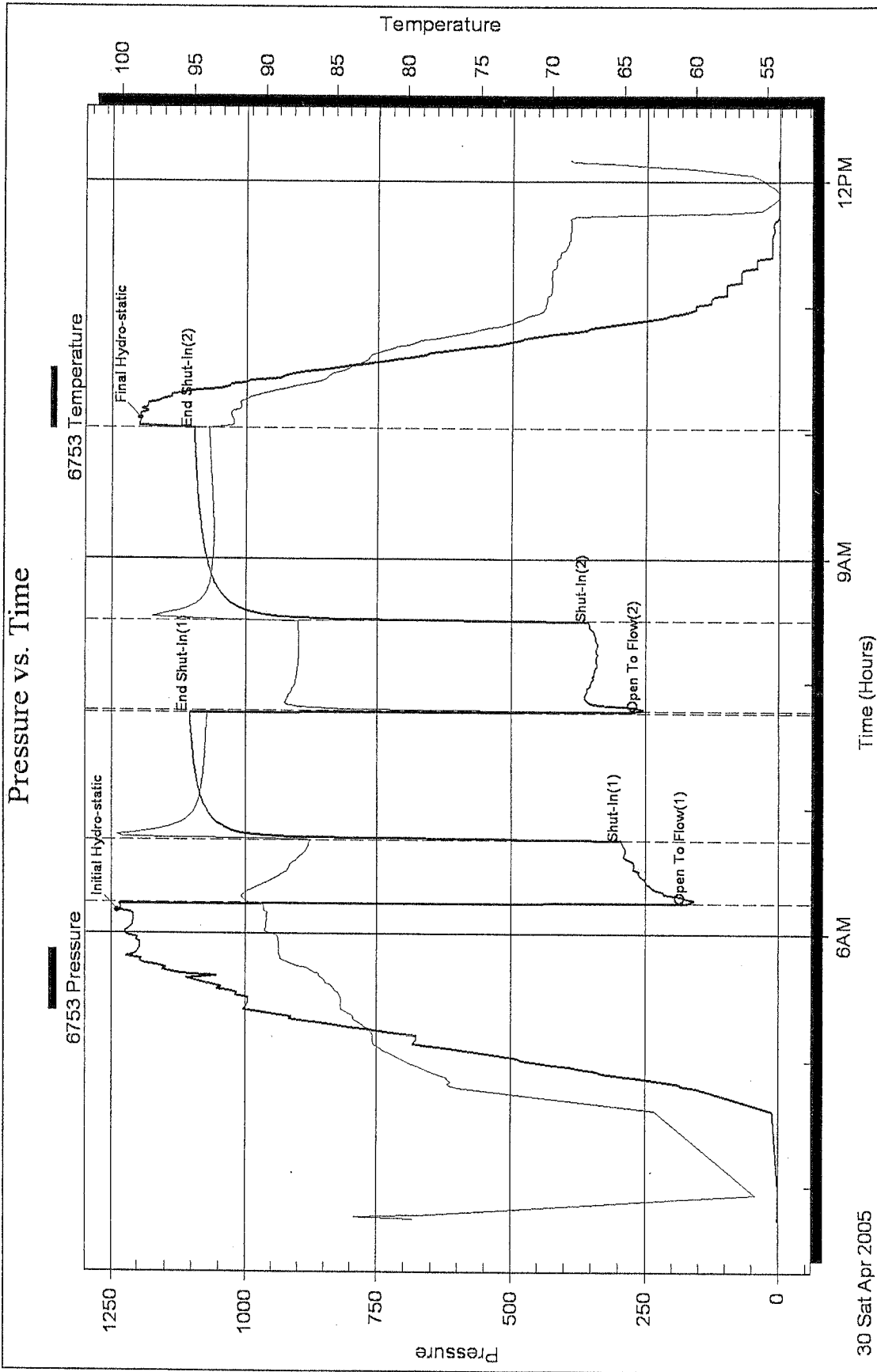
## Gas Rates Information

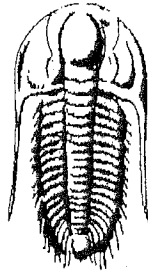
Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
1	5	0.75	34.00	756.00
1	5	0.75	34.00	756.00
1	10	0.75	38.00	818.48
1	15	0.75	43.00	896.58
1	20	0.75	46.00	943.44
1	25	0.75	47.00	959.06
1	30	0.75	49.00	990.30
2	10	0.75	64.00	1224.60
2	15	0.75	63.00	1208.98
2	20	0.75	60.00	1162.12
2	25	0.75	58.00	1130.88
2	30	0.75	56.00	1099.64
2	35	0.75	52.00	1037.16
2	40	0.75	52.00	1037.16
2	45	0.75	54.00	1068.40

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Roberts Resources, Inc.**

520 S. Holland  
Ste. 207  
Wichita. KS 67202

ATTN: Kent Roberts

**33-31s-13w**

**Suhler #1-33**

Start Date: 2005.05.02 @ 02:13:42

End Date: 2005.05.02 @ 08:58:57

Job Ticket #: 21416                      DST #: 2

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

Roberts Resources, Inc.

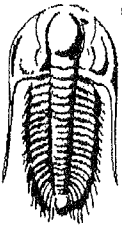
Suhler #1-33

33-31s-13w

DST # 2

Deer Creek

2005.05.02



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Roberts Resources, Inc.

520 S. Holland  
Ste. 207  
Wichita, KS 67202  
ATTN: Kent Roberts

**Suhler #1-33**

**33-31s-13w**

Job Ticket: 21416

DST#: 2

Test Start: 2005.05.02 @ 02:13:42

## GENERAL INFORMATION:

Formation: **Deer Creek**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:13:42

Time Test Ended: 08:58:57

Test Type: Conventional Bottom Hole

Tester: Davy Cline

Unit No: 24

Interval: **3368.00 ft (KB) To 3410.00 ft (KB) (TVD)**

Total Depth: 2655.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1572.00 ft (KB)

1561.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 6753**

**Inside**

Press@RunDepth: 68.23 psig @ 3369.00 ft (KB)

Start Date: 2005.05.02

End Date: 2005.05.02

Start Time: 02:13:43

End Time: 08:58:57

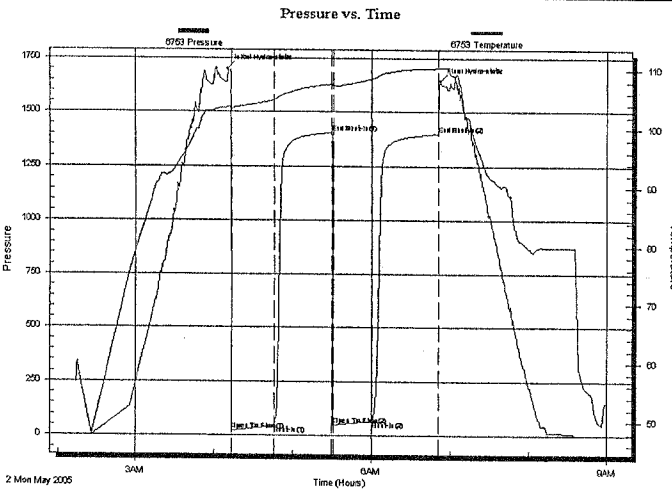
Capacity: 7000.00 psig

Last Calib.: 2005.05.02

Time On Btm: 2005.05.02 @ 04:10:42

Time Off Btm: 2005.05.02 @ 06:51:57

**TEST COMMENT:** IF: Weak blow . 7 in. Blow in bucket of w ater.  
IS: Bled off. No blow back.  
FF: Weak blow . 4 in. blow in bucket of w ater.  
FSI: Bled off. No blow back.



## PRESSURE SUMMARY

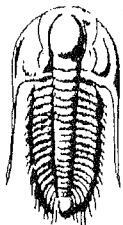
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1700.27	103.75	Initial Hydro-static
3	24.50	103.41	Open To Flow (1)
35	45.07	104.92	Shut-In(1)
79	1405.33	107.60	End Shut-In(1)
80	49.75	107.31	Open To Flow (2)
110	68.23	108.50	Shut-In(2)
160	1400.38	110.33	End Shut-In(2)
162	1643.90	110.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	WCM 70%w 30%g	0.15
60.00	WCM w/oil specs 90%w 10%g	0.62

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources, Inc.

Suhler #1-33

520 S. Holland  
Ste. 207  
Wichita, KS 67202  
ATTN: Kent Roberts

33-31s-13w

Job Ticket: 21416

DST#: 2

Test Start: 2005.05.02 @ 02:13:42

## Tool Information

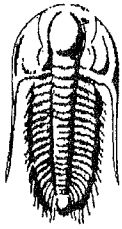
Drill Pipe:	Length: 3371.00 ft	Diameter: 3.25 inches	Volume: 34.59 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.88 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 34.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3368.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	70.00 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			3341.00	
Shut In Tool	5.00			3346.00	
Hydraulic tool	5.00			3351.00	
Jars	5.00			3356.00	
Safety Joint	2.00			3358.00	
Packer	5.00			3363.00	28.00 Bottom Of Top Packer
Packer	5.00			3368.00	
Stubb	1.00			3369.00	
Recorder	0.00	6753	Inside	3369.00	
Perforations	38.00			3407.00	
Recorder	0.00	13400	Outside	3407.00	
Bullnose	3.00			3410.00	42.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Roberts Resources, Inc.

**Suhler #1-33**

520 S. Holland  
Ste. 207  
Wichita. KS 67202  
ATTN: Kent Roberts

**33-31s-13w**

Job Ticket: 21416

**DST#: 2**

Test Start: 2005.05.02 @ 02:13:42

**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:	42000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.38 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.22 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: 0.20 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
15.00	WCM 70%w 30%m	0.154
60.00	WCM w/oil specs 90%w 10%w	0.616

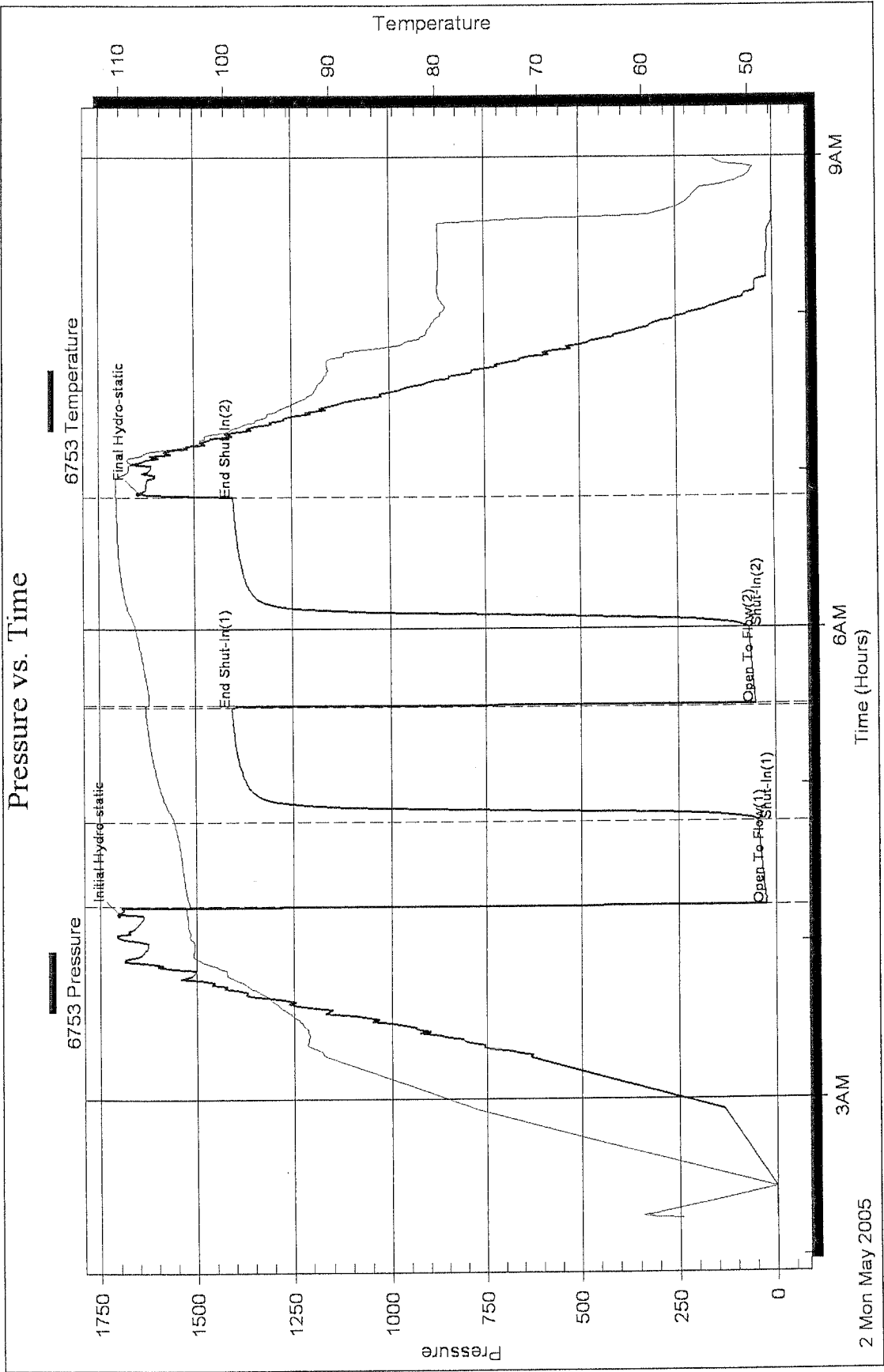
Total Length: 75.00 ft      Total Volume: 0.770 bbl

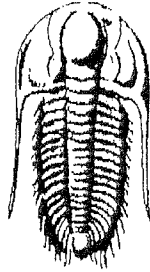
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Water Recovery- .22ohms @ 50 deg.

### Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Roberts Resources, Inc.**

520 S. Holland  
Ste. 207  
Wichita. KS 67202

ATTN: Kent Roberts

**33-31s-13w**

**Suhler #1-33**

Start Date: 2005.05.03 @ 02:47:44

End Date: 2005.05.03 @ 10:34:12

Job Ticket #: 21797                      DST #: 3

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

Roberts Resources, Inc.

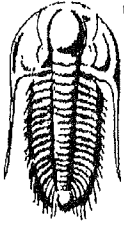
Suhler #1-33

33-31s-13w

DST # 3

Douglas Sand

2005.05.03



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Roberts Resources, Inc.

520 S. Holland  
Ste. 207  
Wichita, KS 67202  
ATTN: Kent Roberts

**Suhler #1-33**

**33-31s-13w**

Job Ticket: 21797

**DST#: 3**

Test Start: 2005.05.03 @ 02:47:44

## GENERAL INFORMATION:

Formation: **Douglas Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:51:27

Time Test Ended: 10:34:12

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 17

Interval: **3596.00 ft (KB) To 3634.00 ft (KB) (TVD)**

Total Depth: 3634.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1572.00 ft (KB)

1561.00 ft (CF)

KB to GRVCF: 11.00 ft

**Serial #: 6770**

**Inside**

Press@RunDepth: 285.46 psig @ 3598.00 ft (KB)

Start Date: 2005.05.03

End Date: 2005.05.03

Start Time: 02:47:44

End Time: 10:34:12

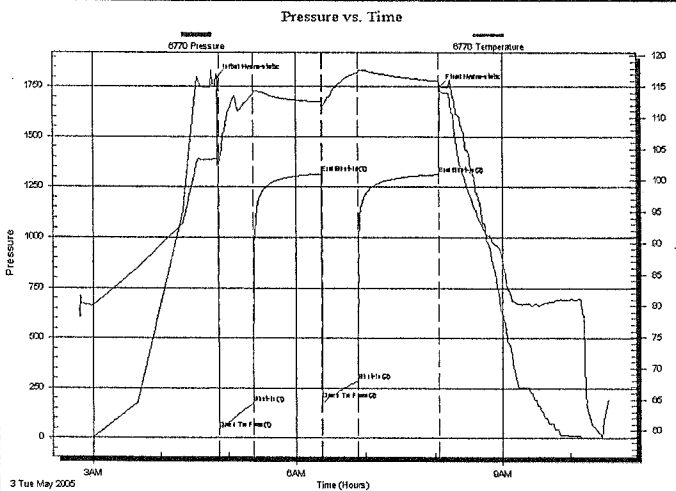
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btmr 2005.05.03 @ 04:50:27

Time Off Btmr 2005.05.03 @ 08:04:27

**TEST COMMENT:** IF-Strong Building blow . Built to BOB in 7 min.  
IS-No Blow back.  
FF-Fair building blow . BOB in 18 min.  
FSI-No blow back.



## PRESSURE SUMMARY

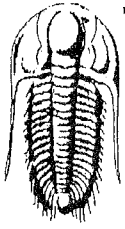
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1796.52	103.39	Initial Hydro-static
1	45.81	102.48	Open To Flow (1)
32	174.05	113.80	Shut-In(1)
92	1316.76	112.51	End Shut-In(1)
93	190.87	111.81	Open To Flow (2)
123	285.46	117.21	Shut-In(2)
193	1313.15	115.86	End Shut-In(2)
194	1748.20	115.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
250.00	30% Mud 70% Water	3.51
250.00	10% Mud 90% Water	3.51

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Roberts Resources, Inc.

**Suhler #1-33**

520 S. Holland  
Ste. 207  
Wichita, KS 67202  
ATTN: Kent Roberts

**33-31s-13w**  
Job Ticket: 21797      DST#: 3  
Test Start: 2005.05.03 @ 02:47:44

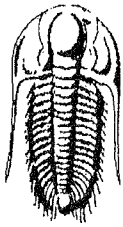
**Tool Information**

Drill Pipe:	Length: 3582.00 ft	Diameter: 3.80 inches	Volume: 50.25 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 5000.00 lb
			<b>Total Volume: 50.25 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3596.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	65.00 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			3570.00	
Shut In Tool	5.00			3575.00	
Hydraulic tool	5.00			3580.00	
Jars	5.00			3585.00	
Safety Joint	2.00			3587.00	
Packer	5.00			3592.00	27.00 Bottom Of Top Packer
Packer	4.00			3596.00	
Stubb	1.00			3597.00	
Perforations	1.00			3598.00	
Recorder	0.00	6770	Inside	3598.00	
Perforations	33.00			3631.00	
Recorder	0.00	10993	Inside	3631.00	
Bullnose	3.00			3634.00	38.00 Bottom Packers & Anchor

**Total Tool Length: 65.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Roberts Resources, Inc.

**Suhler #1-33**

520 S. Holland

**33-31s-13w**

Ste. 207

Job Ticket: 21797

**DST#: 3**

Wichita. KS 67202

ATTN: Kent Roberts

Test Start: 2005.05.03 @ 02:47:44

**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:	55000 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.14 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
250.00	30% Mud 70% Water	3.507
250.00	10% Mud 90% Water	3.507

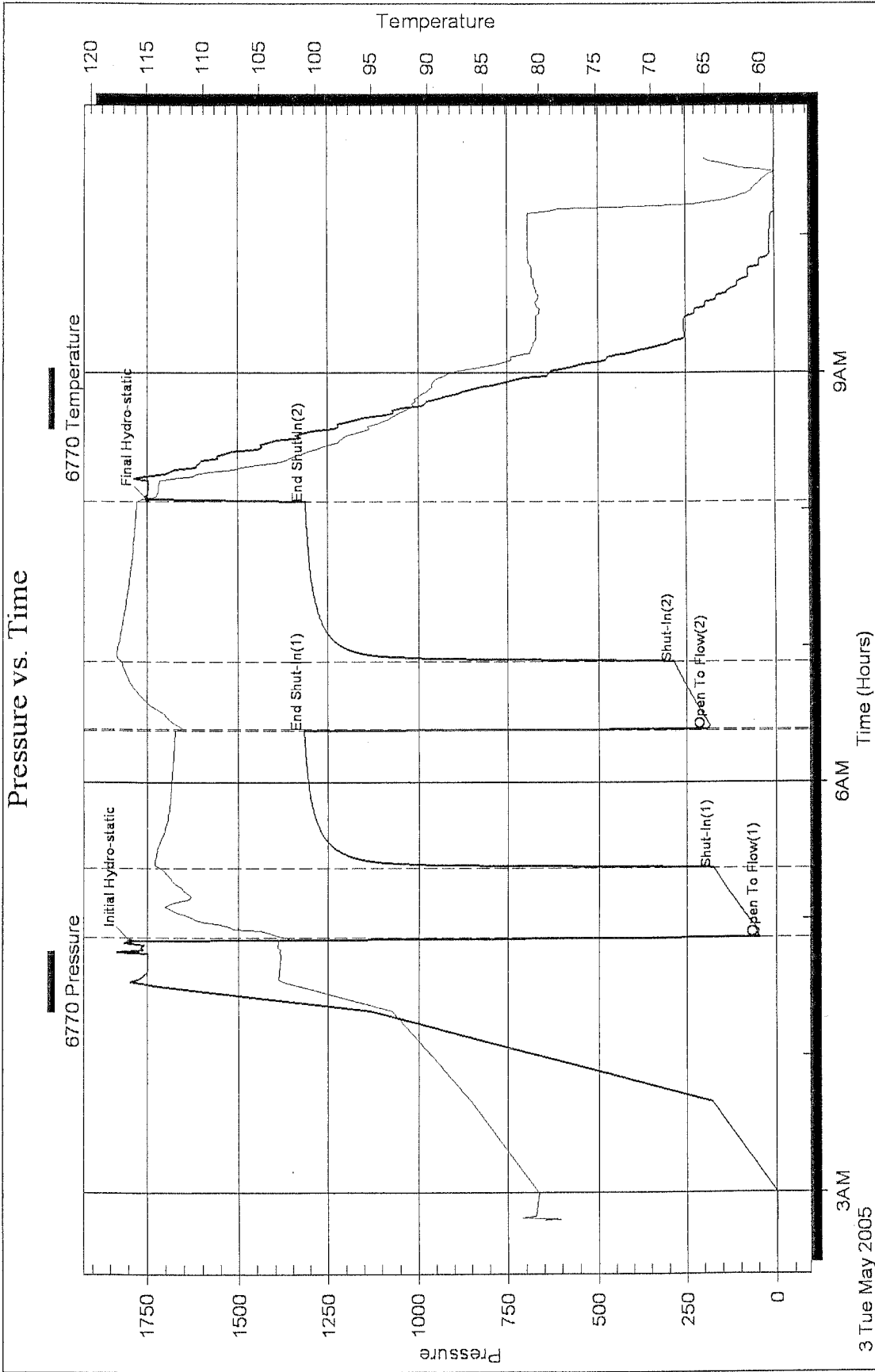
Total Length: 500.00 ft      Total Volume: 7.014 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

# Pressure vs. Time

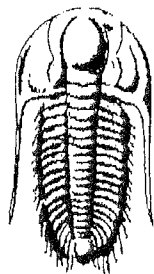


3 Tue May 2005

9AM

6AM

Time (Hours)



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Roberts Resources, Inc.**

520 S. Holland  
Ste. 207  
Wichita, KS 67202

ATTN: Kent Roberts

**33-31s-13w**

**Suhler #1-33**

Start Date: 2005.05.05 @ 03:21:39

End Date: 2005.05.05 @ 11:51:07

Job Ticket #: 21798

DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Roberts Resources, Inc.

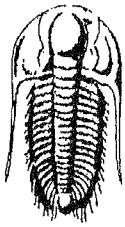
Suhler #1-33

33-31s-13w

DST # 4

Massey

2005.05.05



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Roberts Resources, Inc.

520 S. Holland  
Ste. 207  
Wichita, KS 67202  
ATTN: Kent Roberts

**Suhler #1-33**

**33-31s-13w**

Job Ticket: 21798      **DST#: 4**  
Test Start: 2005.05.05 @ 03:21:39

## GENERAL INFORMATION:

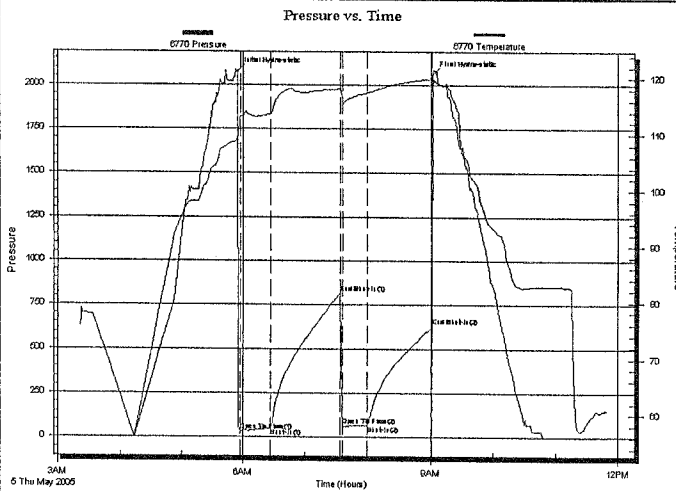
Formation: **Massey**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 05:57:22  
Time Test Ended: 11:51:07  
Test Type: Conventional Bottom Hole  
Tester: Dustin Rash  
Unit No: 17  
Interval: **4195.00 ft (KB) To 4249.00 ft (KB) (TVD)**  
Reference Elevations: 1572.00 ft (KB)  
Total Depth: 4249.00 ft (KB) (TVD) 1561.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

## Serial #: 6770

Inside

Press@RunDepth: 68.70 psig @ 4199.00 ft (KB) Capacity: 7000.00 psig  
Start Date: 2005.05.05 End Date: 2005.05.05 Last Calib.: 1899.12.30  
Start Time: 03:21:39 End Time: 11:51:07 Time On Btm: 2005.05.05 @ 05:54:22  
Time Off Btm: 2005.05.05 @ 09:02:22

TEST COMMENT: IF- BOB in 30 sec. GTS in 15 min. - Flammable.  
IS- No blow back.  
FF- BOB ASAO. GTS ASAO. To small to measure.  
FSI- No blow back.



## PRESSURE SUMMARY

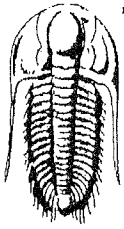
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.98	109.30	Initial Hydro-static
3	34.60	113.33	Open To Flow (1)
33	49.76	113.72	Shut-In(1)
100	816.42	118.17	End Shut-In(1)
102	64.43	115.69	Open To Flow (2)
127	68.70	117.45	Shut-In(2)
188	627.98	120.04	End Shut-In(2)
189	2060.45	120.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% Mud	0.42
60.00	10% Oil 90% Mud 0% Gas	0.84
60.00	25% Oil 20% Mud 55% Gas	0.84

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources, Inc.

Suhler #1-33

520 S. Holland  
Ste. 207  
Wichita, KS 67202  
ATTN: Kent Roberts

33-31s-13w

Job Ticket: 21798

DST#: 4

Test Start: 2005.05.05 @ 03:21:39

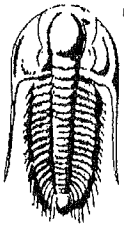
## Tool Information

Drill Pipe:	Length: 4196.00 ft	Diameter: 3.80 inches	Volume: 58.86 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 10000.00 lb
			<u>Total Volume: 58.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4195.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	74.00 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			4176.00	
Shut In Tool	5.00			4181.00	
Hydraulic tool	5.00			4186.00	
Packer	5.00			4191.00	20.00 Bottom Of Top Packer
Packer	4.00			4195.00	
Stubb	1.00			4196.00	
Perforations	2.00			4198.00	
Change Over Sub	1.00			4199.00	
Recorder	0.00	6770	Inside	4199.00	
Drill Pipe	31.00			4230.00	
Change Over Sub	1.00			4231.00	
Perforations	15.00			4246.00	
Recorder	0.00	10993	Inside	4246.00	
Bullnose	3.00			4249.00	54.00 Bottom Packers & Anchor

**Total Tool Length: 74.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Roberts Resources, Inc.

**Suhler #1-33**

520 S. Holland  
Ste. 207  
Wichita. KS 67202  
ATTN: Kent Roberts

**33-31s-13w**  
Job Ticket: 21798      DST#: 4  
Test Start: 2005.05.05 @ 03:21:39

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API: 20 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 5000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.58 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 1.06 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5800.00 ppm		
Filter Cake: inches		

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
30.00	100% Mud	0.421
60.00	10% Oil 90% Mud 0% Gas	0.842
60.00	25% Oil 20% Mud 55% Gas	0.842

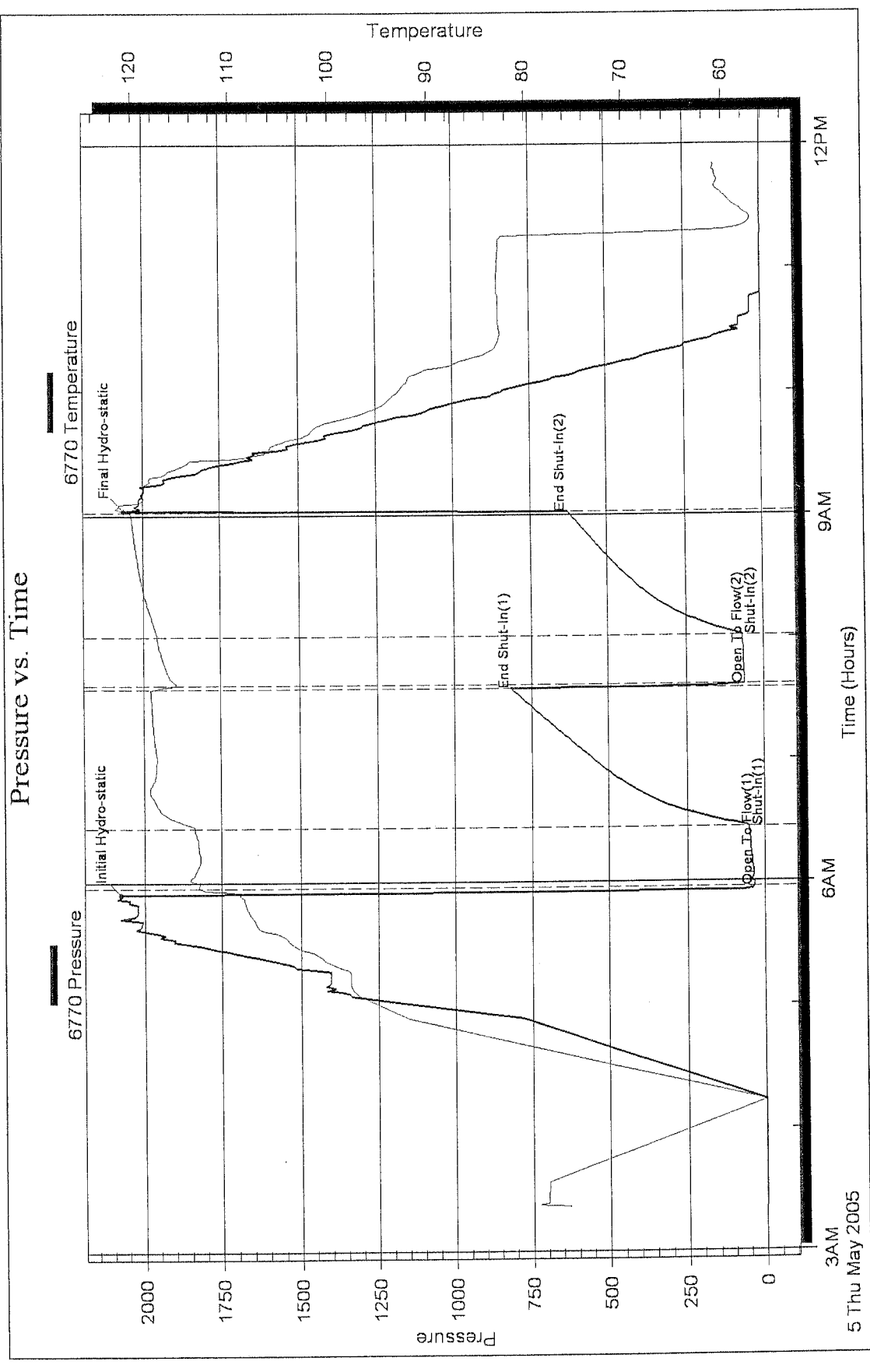
Total Length: 150.00 ft      Total Volume: 2.105 bbl

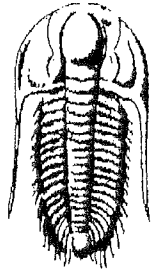
Num Fluid Samples: 1      Num Gas Bombs: 1      Serial #:

Laboratory Name: Caraway      Laboratory Location: Liberal, KS

Recovery Comments: Gas was Flammable.

### Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Roberts Resources, Inc.**

520 S. Holland  
Ste. 207  
Wichita. KS 67202

ATTN: Kent Roberts

**33-31s-13w**

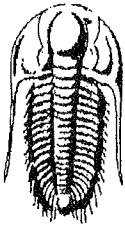
**Suhler #1-33**

Start Date: 2005.05.05 @ 23:10:19

End Date: 2005.05.06 @ 08:25:32

Job Ticket #: 21799                      DST #: 5

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Roberts Resources, Inc.

520 S. Holland  
Ste. 207  
Wichita, KS 67202  
ATTN: Kent Roberts

**Suhler #1-33**

**33-31s-13w**

Job Ticket: 21799

**DST#: 5**

Test Start: 2005.05.05 @ 23:10:19

## GENERAL INFORMATION:

Formation: **Lower Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:17:02

Time Test Ended: 08:25:32

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 17

Interval: **4313.00 ft (KB) To 4343.00 ft (KB) (TVD)**

Total Depth: 4343.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1572.00 ft (KB)

1561.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 6770**

Inside

Press@RunDepth: 16.28 psig @ 4316.00 ft (KB)

Start Date: 2005.05.05

End Date: 2005.05.06

Start Time: 23:10:19

End Time: 08:25:32

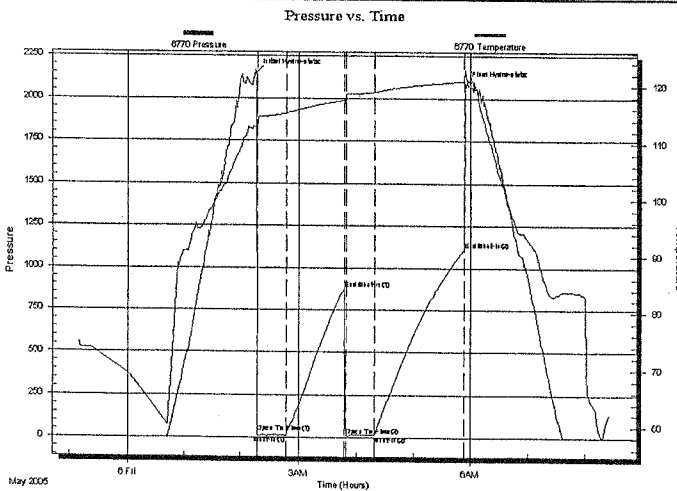
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2005.05.06 @ 02:16:02

Time Off Btm: 2005.05.06 @ 05:54:02

**TEST COMMENT:** IF-BOB in 22 min. Building blow.  
IS-No blow back.  
FF-BOB ASAO.  
FSI-No blow back.



## PRESSURE SUMMARY

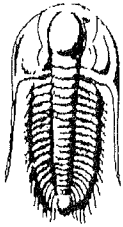
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2148.89	112.69	Initial Hydro-static
1	31.04	112.07	Open To Flow (1)
32	15.27	115.27	Shut-In(1)
92	876.53	117.52	End Shut-In(1)
94	14.83	118.42	Open To Flow (2)
123	16.28	118.97	Shut-In(2)
218	1108.65	120.96	End Shut-In(2)
219	2082.42	122.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% Mud	0.21

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources, Inc.

Suhler #1-33

520 S. Holland  
Ste. 207  
Wichita, KS 67202  
ATTN: Kent Roberts

33-31s-13w

Job Ticket: 21799

DST#: 5

Test Start: 2005.05.05 @ 23:10:19

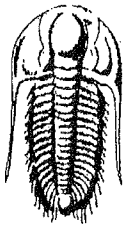
## Tool Information

Drill Pipe:	Length: 4309.00 ft	Diameter: 3.80 inches	Volume: 60.44 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 60.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4313.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 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			4294.00	
Shut In Tool	5.00			4299.00	
Hydraulic tool	5.00			4304.00	
Packer	5.00			4309.00	20.00 Bottom Of Top Packer
Packer	4.00			4313.00	
Stubb	1.00			4314.00	
Perforations	2.00			4316.00	
Recorder	0.00	6770	Inside	4316.00	
Perforations	24.00			4340.00	
Recorder	0.00	10993	Inside	4340.00	
Bullnose	3.00			4343.00	30.00 Bottom Packers & Anchor

**Total Tool Length: 50.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Roberts Resources, Inc.

**Suhler #1-33**

520 S. Holland  
Ste. 207

**33-31s-13w**

Wichita, KS 67202

Job Ticket: 21799

**DST#: 5**

ATTN: Kent Roberts

Test Start: 2005.05.05 @ 23:10:19

## 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:	6250 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 1.06 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100% Mud	0.210

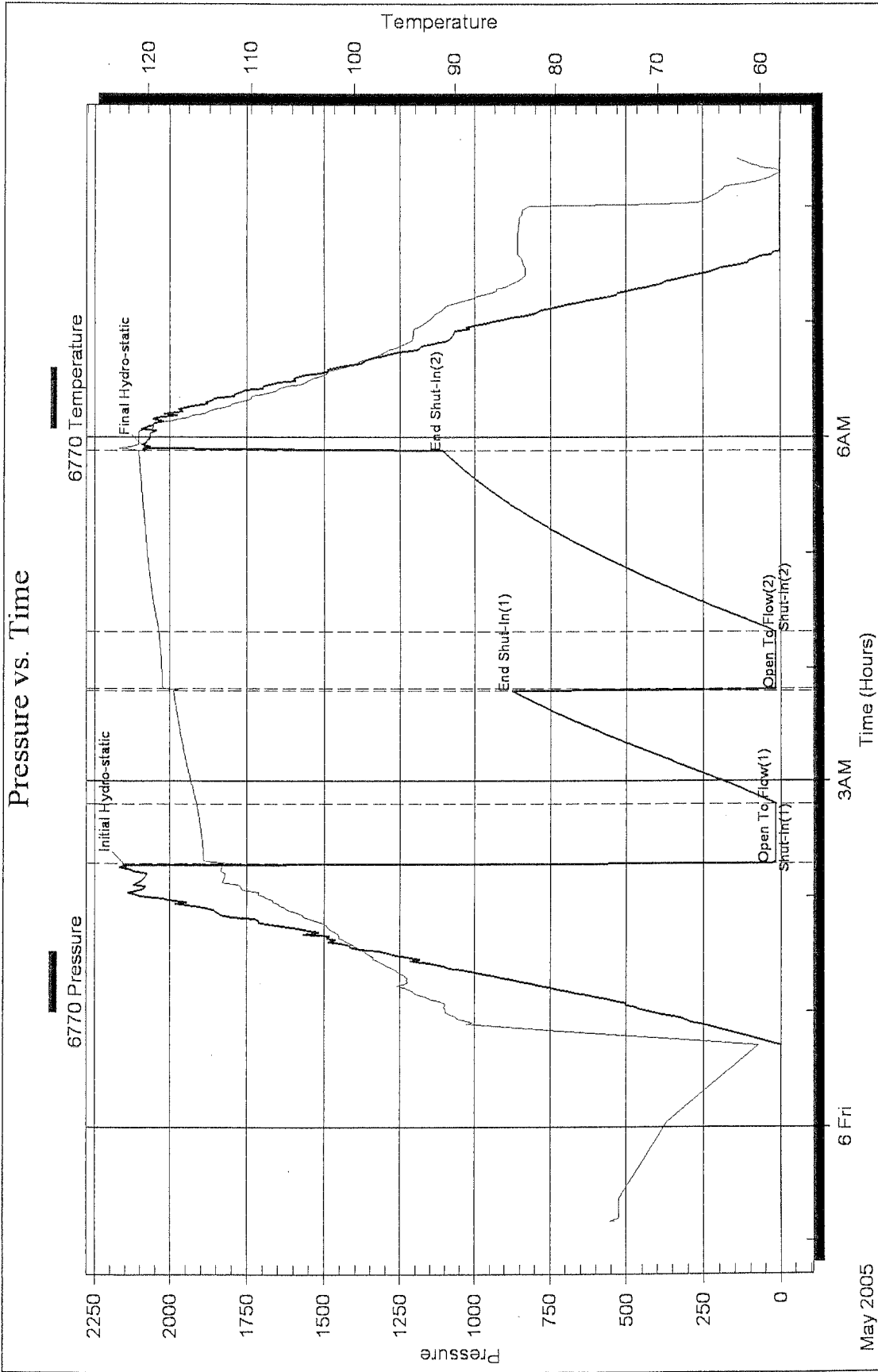
Total Length: 15.00 ft      Total Volume: 0.210 bbl

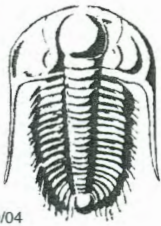
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

# Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 7457

No 21415

9/04

## Test Ticket

Well Name & No. Suhler #1-33 Test No. 1 Date 4-30-05  
 Company Roberts Resources Zone Tested Indian Cave  
 Address 520 S. Holland Stc. 207 Wichita, KS 67202 Elevation 1572 KB 1561 GL  
 Co. Rep / Geo. Kent Roberts Cont. Duke Prlg. #1 Est. Ft. of Pay — Por. — %  
 Location: Sec. 33 Twp. 31s Rge. 13 w Co. Barber State KS  
 No. of Copies 5 Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested ~~2590-2625~~ 2590-2625 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 48,000  
 Anchor Length 35' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 50,000  
 Top Packer Depth ~~2585~~ 2585 Tool Weight 2100  
 Bottom Packer Depth ~~2590~~ 2590 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 2655 Wt. Pipe Run — Drill Collar Run 0  
 Mud Wt. 4.5 LCM — Vis. 27 WL No ✓ Drill Pipe Size 4 1/2" XH Ft. Run —  
 Blow Description IF: Strong blow. BOB 15sec. GTS 2min 30sec Gauged gas.  
ISF: bled off for 15 min. Weak 1 inch blow.  
FF: Strong blow. BOB Immediately. Gauged gas.  
FSF: bled off for 5 min. Weak 1 inch blow.  
 Recovery - Total Feet 250 GIP yes Ft. in DC 0 Ft. in DP 250  
 Rec. 70 Feet of G & WCM %gas — %oil 55 %water 45 %mud —  
 Rec. 60 Feet of MCW %gas — %oil 80 %water 20 %mud —  
 Rec. 120 Feet of MCW %gas — %oil 95 %water 5 %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 .12 @ 61 °F Chlorides 68,000 ppm Recovery — Chlorides 107,000 ppm System

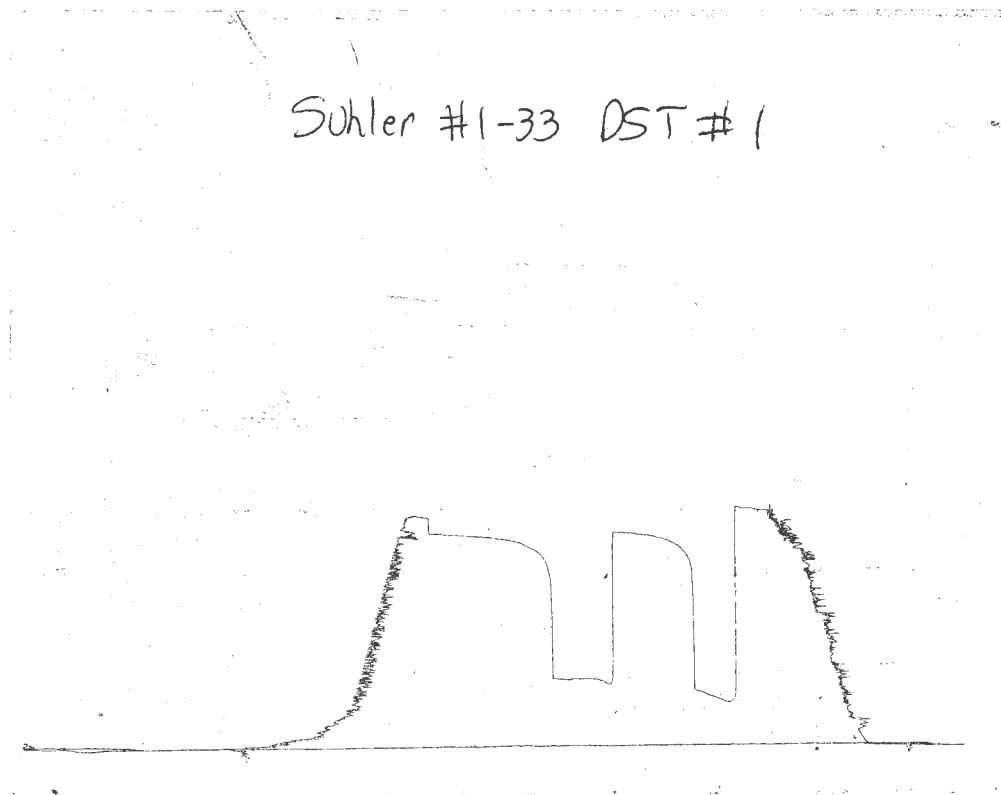
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		1238 PSI	6753	✓ 950
(B) First Initial Flow Pressure		171 PSI	(depth) 2621	Jars ✓ 200
(C) First Final Flow Pressure		295 PSI	Recorder No. 13400	Safety Jt. ✓ 50
(D) Initial Shut-In Pressure		1104 PSI	(depth) 2652	Circ Sub ✓ NC
(E) Second Initial Flow Pressure		259 PSI	Recorder No. —	Sampler —
(F) Second Final Flow Pressure		354 PSI	(depth) —	Straddle —
(G) Final Shut-In Pressure		1097 PSI	Initial Opening 30	Ext. Packer —
(Q) Final Hydrostatic Mud		1195 PSI	Initial Shut-In 60	Shale Packer —
			Final Flow 45	Ruined Packer —
			Final Shut-In 90	Mileage <u>42</u> <del>111</del> 84
			T-On Location 01:10	Sub Total: <u>0hr</u> 1284
			T-Started 03:44	Std. By <u>1hr</u> 30
			T-Open 06:14	Other —
			T-Pulled 10:30	Total: <u>9</u> 1314
			T-Out 12:10	

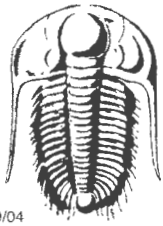
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By Kent Roberts  
 Our Representative Danny Cline

**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 21416

9/04

## Test Ticket

Well Name & No. Sohler #1-33 Test No. 2 Date 5-2-05  
 Company Roberts Resources Zone Tested Deer Creek  
 Address 520 S. Holland Ste. 207 Wichita, KS 67202 Elevation 1572 KB 1561 GL  
 Co. Rep / Geo. Kent Roberts Cont. Duke Drly. #1 Est. Ft. of Pay — Por. — %  
 Location: Sec. 33 Twp. 31s Rge. 13w Co. Barber State KS  
 No. of Copies 5 Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 3368 - 3410 Initial Str Wt./Lbs. 58000 Unseated Str Wt./Lbs. 58,000  
 Anchor Length 42' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65,000  
 Top Packer Depth 3363 Tool Weight 2100  
 Bottom Packer Depth 3368 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 3410 Wt. Pipe Run — Drill Collar Run —  
 Mud Wt. 9.4 LCM — Vis. 48 WL 12.4 Drill Pipe Size 4 1/2" X H Ft. Run 3371

Blow Description IF: Weak blow. 7 in blow in bucket of water.  
ISI: Bled off. No blowback.  
FF: Weak blow. 4 in blow in bucket of water.  
FSI: Bled off. No blowback.

Recovery - Total Feet 75 GIP no Ft. in DC — Ft. in DP 75  
 Rec. 15 Feet of MCW %gas %oil 70 %water 30 %mud  
 Rec. 60 Feet of MCW - w/oil specs %gas %oil 90 %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 110 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 22 ohms @ 50 °F Chlorides 42000 ppm Recovery \_\_\_\_\_ Chlorides 7000 ppm System

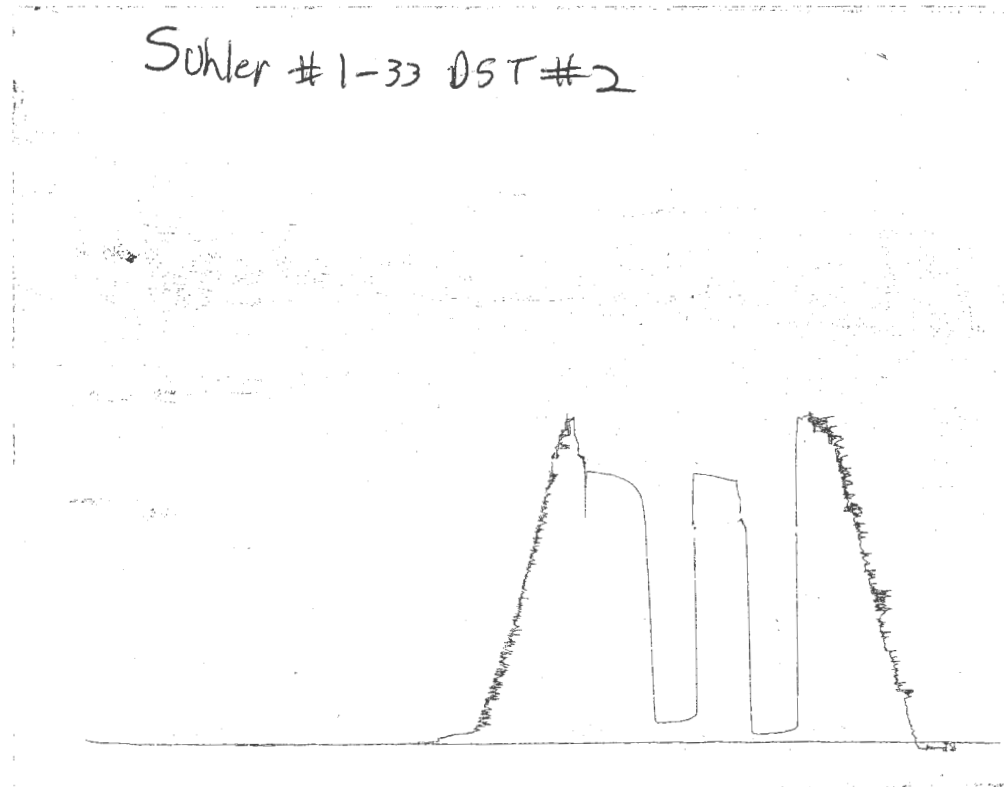
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1700</u> PSI	<u>6753</u>	✓ <u>900</u>
(B) First Initial Flow Pressure		<u>25</u> PSI	(depth) <u>3369</u>	Jars ✓ <u>200</u>
(C) First Final Flow Pressure		<u>45</u> PSI	Recorder No. <u>13400</u>	Safety Jt. ✓ <u>50</u>
(D) Initial Shut-In Pressure		<u>1405</u> PSI	(depth) <u>3407</u>	Circ Sub ✓ <u>NC</u>
(E) Second Initial Flow Pressure		<u>50</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>68</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>1400</u> PSI	<b>Initial Opening</b> <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1644</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer <u>84 21</u>
			Final Shut-In <u>45</u>	Mileage ✓ <u>total 128</u>
			<b>T-On Location</b> <u>02:00</u>	Sub Total: _____
			T-Started <u>02:13</u>	Std. By _____
			T-Open <u>04:13</u>	Other _____
			T-Pulled <u>06:50</u>	Total: _____
			T-Out <u>08:58</u>	

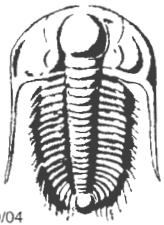
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Approved By Kent Roberts  
 Our Representative Danny Cline

**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21797

9/04

## Test Ticket

Well Name & No. Sully 1-33 Test No. 3 Date 5-3-05  
 Company Roberts Resources Zone Tested Douglas Sand  
 Address 520 S. Holland St #207 Wichita, KS Elevation 1572 KB 1561 GL  
 Co. Rep / Geo. Kent Roberts Cont. 67209 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 33 Twp. 31 Rge. 13 W Co. Barber State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3596 - 3634 Initial Str Wt./Lbs. 60K Unseated Str Wt./Lbs. 62K  
 Anchor Length 38' Wt. Set Lbs. 24K Wt. Pulled Loose/Lbs. 5K  
 Top Packer Depth 3591 Tool Weight 2K  
 Bottom Packer Depth 3596 Hole Size 7 7/8"  Rubber Size 6 3/4"   
 Total Depth 3634 Wt. Pipe Run N/A Drill Collar Run 0  
 Mud Wt. 9.3 LCM 0 Vis. 44 WL 96 Drill Pipe Size 4.5 X 4 Ft. Run 3582  
 Blow Description IF - Strong building blow, Built to BOB in 7 min.  
ISI - No blowback  
FF - Fair building blow, BOB in 18 min.  
FSI - No blowback

Recovery - Total Feet 500 GIP 248 Ft. in DC 0 Ft. in DP 500  
 Rec. 250 Feet of Muddy Water %gas \_\_\_\_\_ %oil 70 %water 30 %mud \_\_\_\_\_  
 Rec. 250 Feet of Muddy Water %gas \_\_\_\_\_ %oil 90 %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 116 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .140 @ 70 °F Chlorides 55,000 ppm Recovery \_\_\_\_\_ Chlorides 5000 ppm System

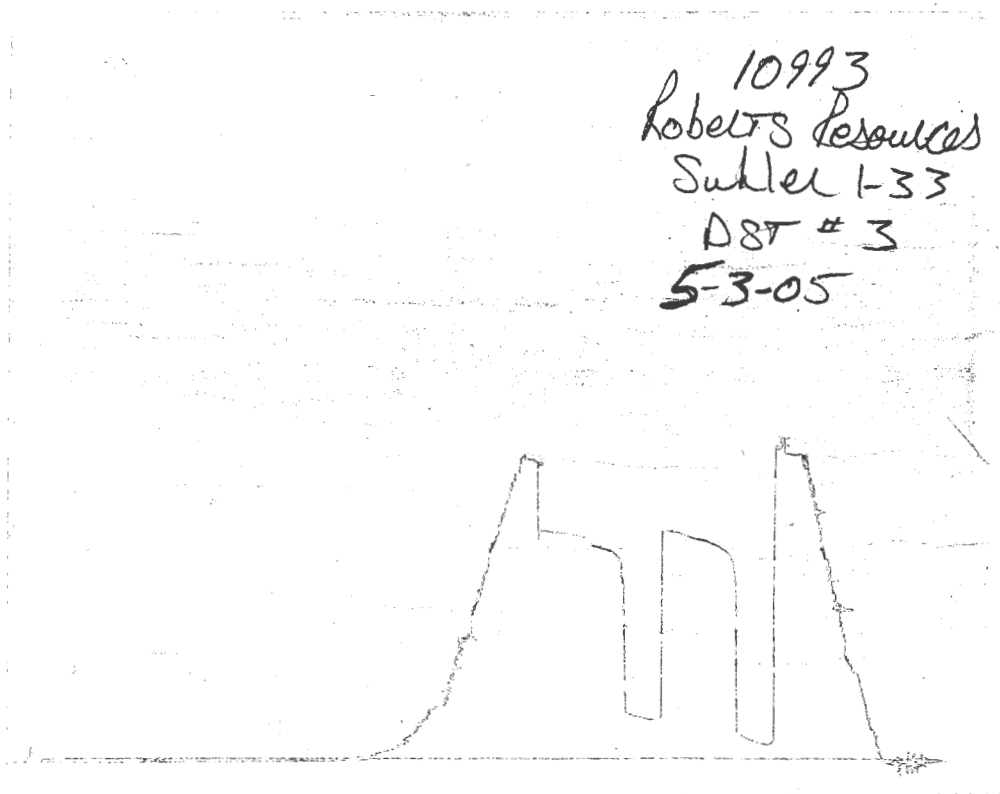
	AK-1	Alpine	Recorder No.	<u>6770 (0245)</u>	Test	<u>Conventional</u>	<u>950</u>
(A) Initial Hydrostatic Mud	<u>1797</u>	PSI	(depth)	<u>3598</u>	Jars	<input checked="" type="checkbox"/>	<u>200</u>
(B) First Initial Flow Pressure	<u>46</u>	PSI	Recorder No.	<u>10993</u>	Safety Jt.	<input checked="" type="checkbox"/>	<u>50</u>
(C) First Final Flow Pressure	<u>174</u>	PSI	(depth)	<u>3631</u>	Circ Sub	<input checked="" type="checkbox"/>	<u>N/C</u>
(D) Initial Shut-In Pressure	<u>1317</u>	PSI	Recorder No.	_____	Sampler	_____	_____
(E) Second Initial Flow Pressure	<u>191</u>	PSI	(depth)	_____	Straddle	_____	_____
(F) Second Final Flow Pressure	<u>285</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer	_____	_____
(G) Final Shut-In Pressure	<u>1313</u>	PSI	Initial Shut-In	<u>60</u>	Shale Packer	_____	_____
(Q) Final Hydrostatic Mud	<u>1748</u>	PSI	Final Flow	<u>30</u>	Ruined Packer	_____	<u>84</u>

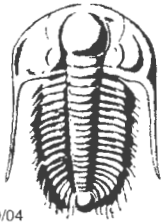
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Approved By \_\_\_\_\_  
 Our Representative Dustin Lash  
 T-Started 0300  
 T-Open 0450  
 T-Pulled 0750  
 T-Out 1030  
 Mileage X 80  
 Sub Total: \$1280.00 1284  
 Std. By X 3  
 Total: \$1370.00 1374

**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21798

9/04

## Test Ticket

Well Name & No. Suhler 1-33 Test No. 4 Date 5-5-05  
 Company Roberts Resources Zone Tested Massey  
 Address 520 S. Holland St. #207 Wichita, KS Elevation 1572 KB 1561 GL  
 Co. Rep / Geo. Kent Roberts Cont. 67207 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 33 Twp. 31 Rge. 13W Co. Barber State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4195-4249 Initial Str Wt./Lbs. 69K Unseated Str Wt./Lbs. 70K  
 Anchor Length 54' Wt. Set Lbs. 24K Wt. Pulled Loose/Lbs. 10K  
 Top Packer Depth 4190 Tool Weight 2K  
 Bottom Packer Depth 4195 Hole Size 7 7/8"  Rubber Size 6 3/4"   
 Total Depth 4249 Wt. Pipe Run N/A Drill Collar Run 0  
 Mud Wt. 9.4 LCM  Vis. 48 WL 9.6 Drill Pipe Size 4.5XH Ft. Run 4196  
 Blow Description IF- BOB in 30 sec, GTS in 15 min. - Flammable,  
ISE- No blowback.  
FF- BOB ASAO, GTS ASAO. Too small to measure.  
FSE- No blowback.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>150</u>	<u>2418</u>	<input checked="" type="checkbox"/>	<u>150</u>
Rec. <u>30</u>	Feet of <u>Mud</u>	%gas _____ %oil _____	%water <u>100</u> %mud _____
Rec. <u>60</u>	Feet of <u>Oil/Mud/Gas</u>	%gas <u>10</u> %oil _____	%water <u>90</u> %mud _____
Rec. <u>60</u>	Feet of <u>Oil/Mud/Gas</u>	%gas <u>55</u> %oil <u>25</u>	%water <u>20</u> %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>120</u>	°F Gravity <u>20</u>	°API D @ <u>60</u>	°F Corrected Gravity <input checked="" type="checkbox"/> °API _____
RW <u>1.06</u>	@ <u>69</u> °F	Chlorides <u>5800</u> ppm	Recovery _____ Chlorides <u>5000</u> ppm System

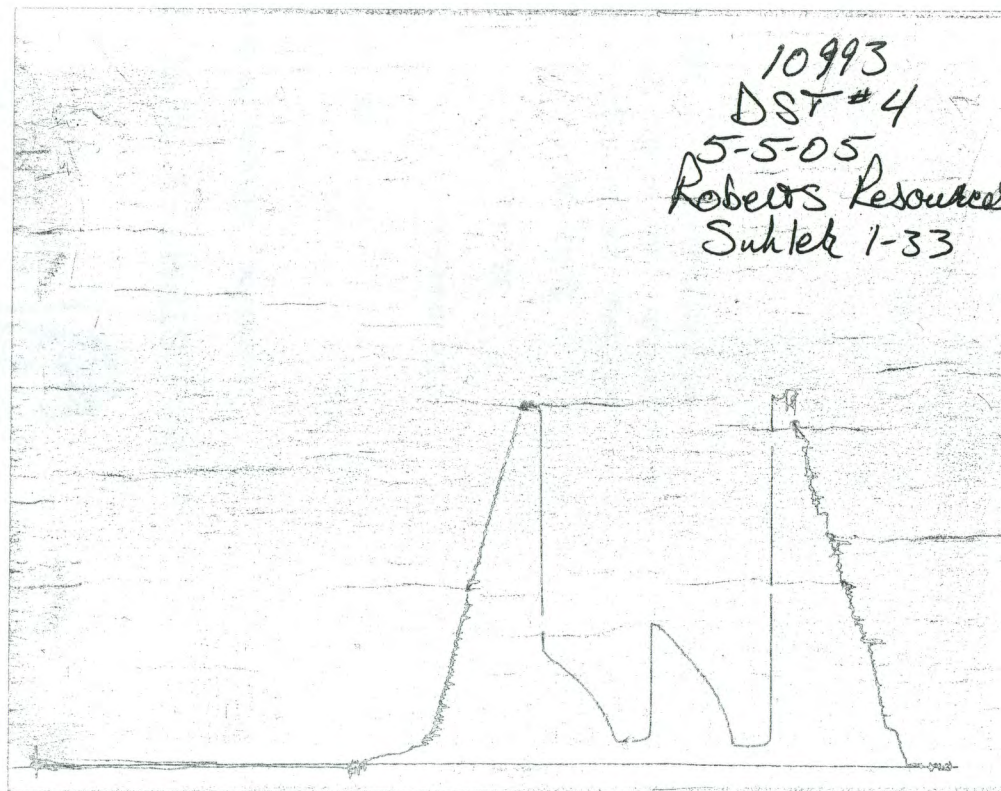
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2076</u>	PSI	<u>6770 (3:20)</u>	<u>Con.</u> <u>1050</u>
(B) First Initial Flow Pressure	<u>35</u>	PSI	(depth) <u>4199</u>	Jars _____
(C) First Final Flow Pressure	<u>50</u>	PSI	Recorder No. <u>10993</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>816</u>	PSI	(depth) <u>4246</u>	Circ Sub <input checked="" type="checkbox"/> <u>NIC</u>
(E) Second Initial Flow Pressure	<u>64</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>69</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>678</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2060</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>X 80</u> <u>84</u>
			T-On Location <u>0200</u>	Sub Total: <u>\$1130.00</u> <u>1139</u>
			T-Started <u>0330</u>	Std. By _____
			T-Open <u>0555</u>	Other _____
			T-Pulled <u>0900</u>	Total: <u>\$1130.00</u> <u>XX</u>
			T-Out <u>1130</u>	

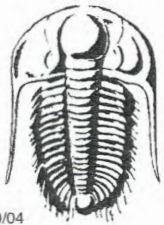
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Approved By Kent Roberts  
 Our Representative Dustin Lach

**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21799

## Test Ticket

Well Name & No. Suhler 1-33 Test No. 5 Date 5-5-05  
 Company Roberts Resources Zone Tested Lower M.SS.  
 Address 520 S. Holland St #207 Wichita, KS Elevation 1572 KB 1561 GL  
 Co. Rep / Geo. Kent Roberts Cont. 6720 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 33 Twp. 31 Rge. 13W Co. Barber State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4313-4343 Initial Str Wt./Lbs. 66K Unseated Str Wt./Lbs. 66K  
 Anchor Length 30' Wt. Set Lbs. 24K Wt. Pulled Loose/Lbs. 5K  
 Top Packer Depth 4308 Tool Weight 2K  
 Bottom Packer Depth 4313 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 4343 Wt. Pipe Run N/A Drill Collar Run 0  
 Mud Wt. 9.3 LCM 0 Vis. 44 WL 10.4 Drill Pipe Size 4.5 XH Ft. Run 4309

Blow Description FF- BOB in 22 min, Building Blow,  
FSI- No blowback,  
FF- BOB ASAO,  
FSI- No blowback,

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>15</u>	<u>0</u>	<u>0</u>	<u>15</u>
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 _____		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		

BHT 121 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 1.06 @ 63 °F Chlorides 6250 ppm Recovery \_\_\_\_\_ Chlorides 4000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2149</u> PSI	<u>6770 (23:10)</u>	Test <u>Conv.</u>	
(B) First Initial Flow Pressure	<u>31</u> PSI	(depth) <u>4316</u>	Jars _____	
(C) First Final Flow Pressure	<u>15</u> PSI	Recorder No. <u>10993</u>	Safety Jt. _____	
(D) Initial Shut-In Pressure	<u>877</u> PSI	(depth) <u>4340</u>	Circ Sub <u>✓ NIC</u>	
(E) Second Initial Flow Pressure	<u>15</u> PSI	Recorder No. _____	Sampler _____	
(F) Second Final Flow Pressure	<u>16</u> PSI	(depth) _____	Straddle _____	
(G) Final Shut-In Pressure	<u>1109</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____	
(Q) Final Hydrostatic Mud	<u>2082</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____	
		Final Flow <u>30</u>	Ruined Packer _____	
		Final Shut-In <u>90</u>	Mileage <u>X 80</u>	
		T-On Location <u>7230</u>	Sub Total: <u>\$1130.00</u>	
		T-Started <u>0030</u>	Std. By _____	
		T-Open <u>0216</u>	Other _____	
		T-Pulled <u>0550</u>	Total: <u>\$1130.00</u>	
		T-Out <u>0815</u>		

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Approved By Kent Roberts  
 Our Representative Dustin [Signature]

**CHART PAGE**

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