

DRILL STEM TEST REPORT

Prepared For: **Woolsey Oper. Co. LLC**

125 N. Market, Ste. 1000
Wichita, KS 67202

ATTN: Wes Hansen

32-32s-12w Barber KS

Sherry # 1

Start Date: 2004.12.19 @ 20:47:22

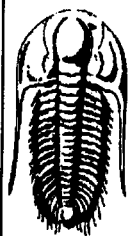
End Date: 2004.12.20 @ 05:31:37

Job Ticket #: 10010 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

Woolsey Oper. Co. LLC

125 N. Market, Ste. 1000
Wichita, KS 67202

ATTN: Wes Hansen

Sherry # 1

32-32s-12w Barber KS

Job Ticket: 10010

DST#: 1

Test Start: 2004.12.19 @ 20:47:22

GENERAL INFORMATION:

Formation: **Douglas Sand**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 22:35:22

Time Test Ended: 05:31:37

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **3960.00 ft (KB) To 4010.00 ft (KB) (TVD)**

Total Depth: **4010.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Reference Elevations: **1824.00 ft (KB)**

1813.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 6755

Inside

Press@RunDepth: **189.88 psig @ 3961.00 ft (KB)**

Start Date: **2004.12.19**

End Date:

2004.12.20

Start Time: **20:47:27**

End Time:

05:31:37

Capacity: **7000.00 psig**

Last Calib.: **2004.12.20**

Time On Btm: **2004.12.19 @ 22:30:07**

Time Off Btm: **2004.12.20 @ 03:15:37**

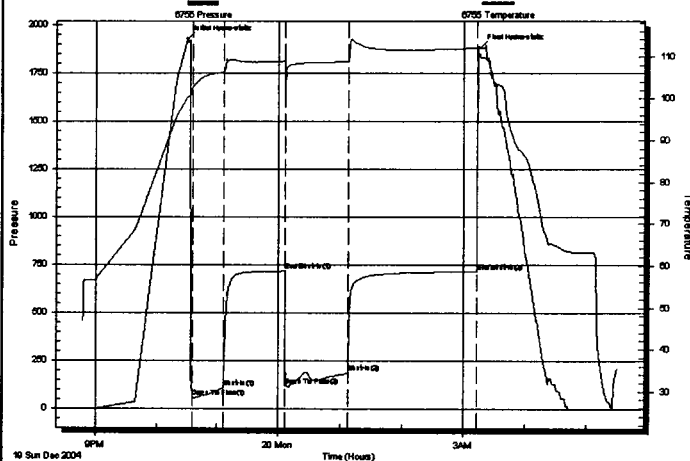
TEST COMMENT: IF: Strong blow . B.O.B. in 15 secs. GTS in 15 mins. (see gas flow report)

IS: No blow .

FF: Strong blow . (see gas flow report)

FS: No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1924.68	100.33	Initial Hydro-static
6	62.81	102.91	Open To Flow (1)
37	112.87	106.41	Shut-In(1)
96	717.88	109.00	End Shut-In(1)
97	120.43	102.27	Open To Flow (2)
157	189.88	108.90	Shut-In(2)
283	715.34	112.02	End Shut-In(2)
286	1881.15	110.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	GCM 15%g 85%w	1.54
190.00	MW 24%w 76%w Rw .14ohms @ 35 de	2.67

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.00	29.19
Last Gas Rate	0.50	23.00	252.29
Max. Gas Rate	0.38	47.00	224.92



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Oper. Co. LLC

Sherry # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

32-32s-12w Barber KS

Job Ticket: 10010

DST#: 1

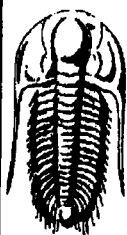
ATTN: Wes Hansen

Test Start: 2004.12.19 @ 20:47:22

Tool Information

Drill Pipe:	Length: 3950.00 ft	Diameter: 3.80 inches	Volume: 55.41 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	66000.00 lb
			Total Volume: 55.41 bbl	Tool Chased	10.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3960.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	77.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					
Slid tool 10ft to bottom					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3934.00	
Shut In Tool	5.00			3939.00	
Hydraulic tool	5.00			3944.00	
Jars	5.00			3949.00	
Safety Joint	2.00			3951.00	
Packer	4.00			3955.00	27.00 Bottom Of Top Packer
Packer	5.00			3960.00	
Stubb	1.00			3961.00	
Recorder	0.00	6755	Inside	3961.00	
Perforations	5.00			3966.00	
Change Over Sub	1.00			3967.00	
Blank Spacing	32.00			3999.00	
Change Over Sub	1.00			4000.00	
Perforations	5.00			4005.00	
Recorder	0.00	13222	Outside	4005.00	
Bullnose	5.00			4010.00	50.00 Bottom Packers & Anchor
Total Tool Length:		77.00			



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DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Oper. Co. LLC

Sherry # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

32-32s-12w Barber KS

Job Ticket: 10010

DST#: 1

ATTN: Wes Hansen

Test Start: 2004.12.19 @ 20:47:22

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:

124000 ppm

Viscosity: 38.00 sec/qt

Cushion Volume:

bbl

Water Loss: 19.16 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	GCM 15%g 85%m	1.543
190.00	MMV 24%m 76%w Rw .14ohms @ 35 deg.	2.665

Total Length: 300.00 ft

Total Volume: 4.208 bbl

Num Fluid Samples: 0

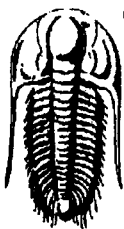
Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

Woolsey Oper. Co. LLC

Sherry # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

32-32s-12w Barber KS

Job Ticket: 10010

DST#: 1

ATTN: Wes Hansen

Test Start: 2004.12.19 @ 20:47:22

Gas Rates Information

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

Gas Rates Table

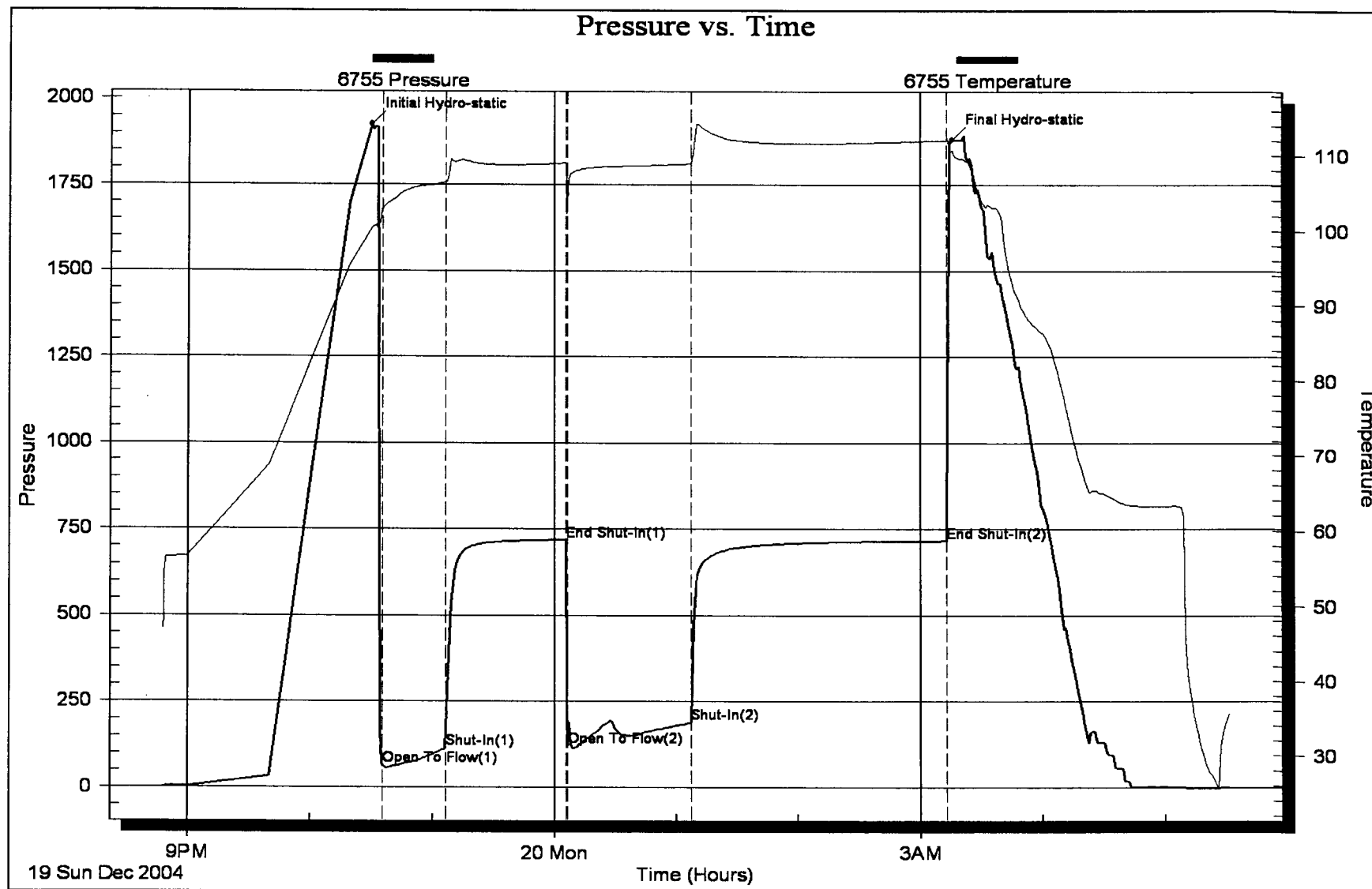
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	20	0.25	4.00	29.19
1	25	0.25	9.00	37.12
1	30	0.25	18.00	51.40
2	10	0.38	47.00	224.92
2	20	0.50	31.00	306.25
2	30	0.75	3.00	271.79
2	40	0.50	19.00	225.31
2	50	0.50	21.00	238.80
2	60	0.50	23.00	252.29

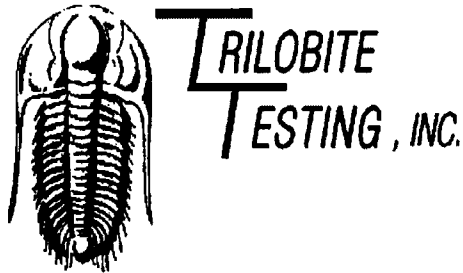
Serial #: 6755

Inside Woolsey Oper. Co. LLC

32-32s-12w Barber KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Woolsey Oper. Co. LLC**

125 N. Market, Ste. 1000
Wichita, KS 67202

ATTN: Wes Hansen

32-32s-12w Barber KS

Sherry # 1

Start Date: 2004.12.21 @ 06:18:41

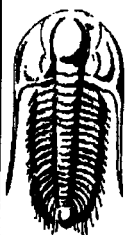
End Date: 2004.12.21 @ 16:55:11

Job Ticket #: 19911 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

Woolsey Oper. Co. LLC

125 N. Market, Ste. 1000
Wichita, KS 67202

ATTN: Wes Hansen

Sherry # 1

32-32s-12w Barber KS

Job Ticket: 19911

DST#: 2

Test Start: 2004.12.21 @ 06:18:41

GENERAL INFORMATION:

Formation: **Lansing " G "**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 08:49:26

Time Test Ended: 16:55:11

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **4346.00 ft (KB) To 4378.00 ft (KB) (TVD)**

Total Depth: **4010.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Reference Elevations: **1824.00 ft (KB)**

1813.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: **6755**

Inside

Press@RunDepth: **1564.43 psig @ 4347.00 ft (KB)**

Start Date: **2004.12.21**

End Date:

2004.12.21

Start Time: **06:18:46**

End Time:

16:55:11

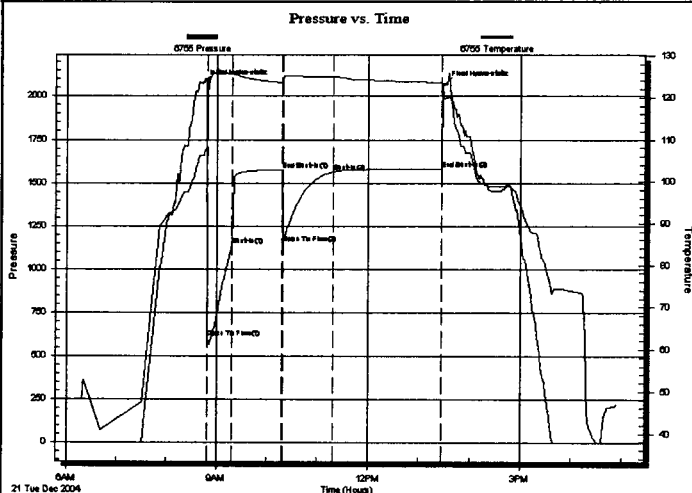
Capacity: **7000.00 psig**

Last Calib.: **2004.12.21**

Time On Btm: **2004.12.21 @ 08:43:56**

Time Off Btm: **2004.12.21 @ 13:30:26**

TEST COMMENT: IF: Strong blow . BOB 15 secs.
IS: Strong blow . BOB.
FF: Strong blow . BOB in 45 secs. GTS in 33 mins. TSTM
FSI: Weak blow . 2" -- 4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2074.67	106.14	Initial Hydro-static
6	607.70	121.07	Open To Flow (1)
35	1137.90	125.65	Shut-In(1)
95	1577.81	123.60	End Shut-In(1)
95	1147.43	123.42	Open To Flow (2)
155	1564.43	124.94	Shut-In(2)
283	1581.10	123.66	End Shut-In(2)
287	2067.04	119.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	MW 30% m 70% w	1.26
3220.00	SW Rw .15 ohms @ 49 deg.	45.17

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Oper. Co. LLC

Sherry # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

32-32s-12w Barber KS

Job Ticket: 19911

DST#: 2

ATTN: Wes Hansen

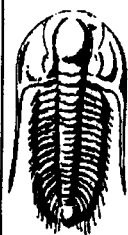
Test Start: 2004.12.21 @ 06:18:41

Tool Information

Drill Pipe:	Length: 4327.00 ft	Diameter: 3.80 inches	Volume: 60.70 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 66000.00 lb
		Total Volume: 60.70 bbl		Tool Chased 4.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4346.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				
Slid tool 4 ft. to btm.				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4320.00	
Shut In Tool	5.00			4325.00	
Hydraulic tool	5.00			4330.00	
Jars	5.00			4335.00	
Safety Joint	2.00			4337.00	
Packer	4.00			4341.00	27.00 Bottom Of Top Packer
Packer	5.00			4346.00	
Stubb	1.00			4347.00	
Recorder	0.00	6755	Inside	4347.00	
Perforations	26.00			4373.00	
Recorder	0.00	13222	Outside	4373.00	
Bullnose	5.00			4378.00	32.00 Bottom Packers & Anchor

Total Tool Length: 59.00



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FLUID SUMMARY

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Sherry # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

32-32s-12w Barber KS

Job Ticket: 19911

DST#: 2

ATTN: Wes Hansen

Test Start: 2004.12.21 @ 06:18:41

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:

75000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.09 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	MW 30% m 70% w	1.262
3220.00	SW Rw .15 ohms @ 49 deg.	45.168

Total Length: 3310.00 ft

Total Volume: 46.430 bbl

Num Fluid Samples: 0

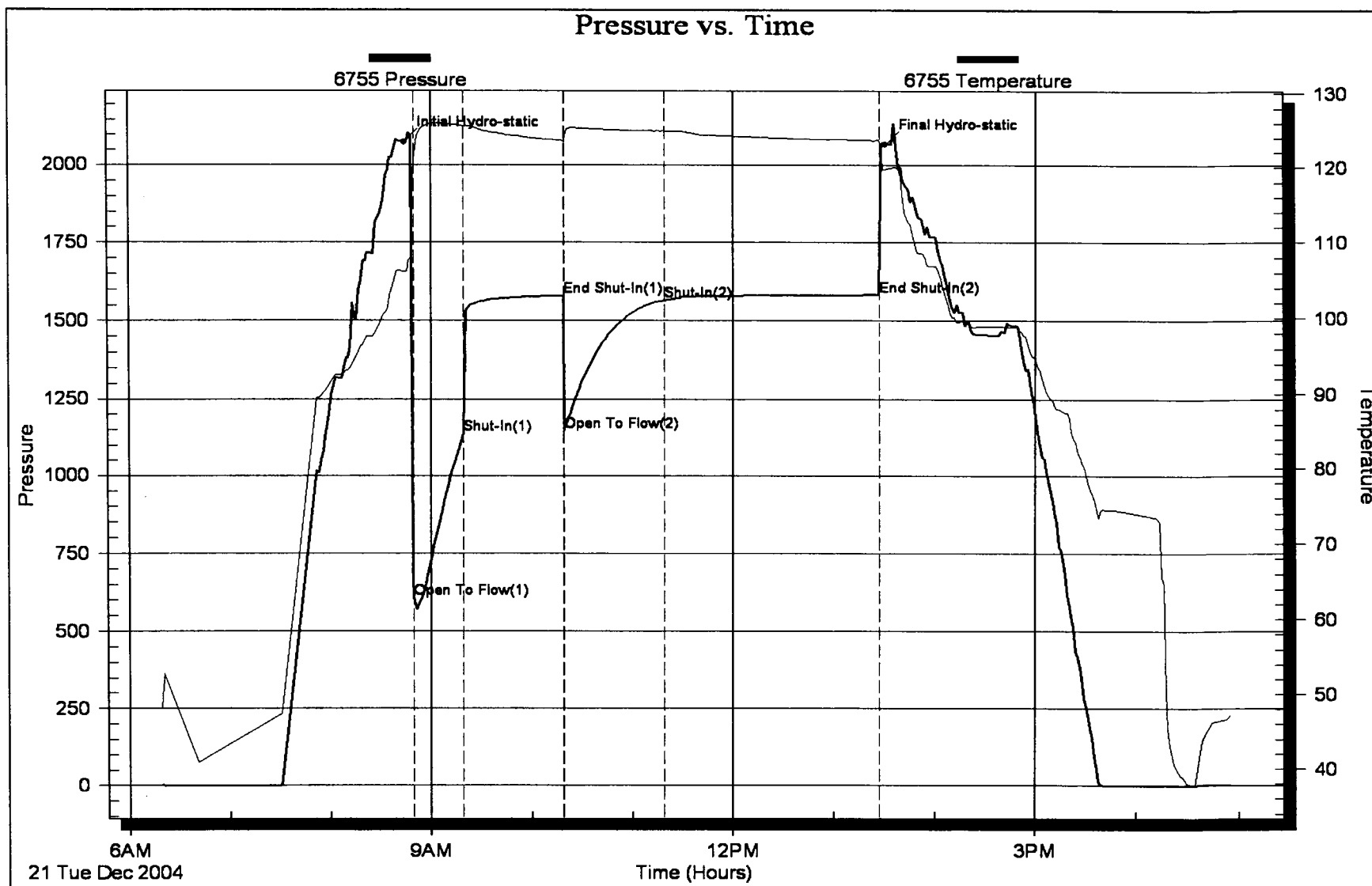
Num Gas Bombs: 0

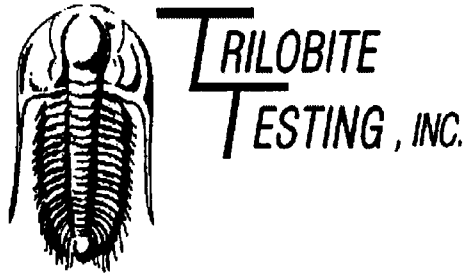
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Woolsey Oper. Co. LLC**

125 N. Market, Ste. 1000
Wichita, KS 67202

ATTN: Wes Hansen

32-32s-12w Barber KS

Sherry # 1

Start Date: 2004.12.27 @ 23:34:44

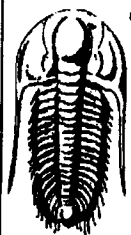
End Date: 2004.12.28 @ 09:41:59

Job Ticket #: 19912 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
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DRILL STEM TEST REPORT

Woolsey Oper. Co. LLC

125 N. Market, Ste. 1000
Wichita, KS 67202

ATTN: Wes Hansen

Sherry # 1

32-32s-12w Barber KS

Job Ticket: 19912

DST#: 3

Test Start: 2004.12.27 @ 23:34:44

GENERAL INFORMATION:

Formation: **Miss**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 01:52:29

Time Test Ended: 09:41:59

Test Type: Conventional Bottom Hole

Tester: Davy/Paul

Unit No: 23

Interval: **4654.00 ft (KB) To 4710.00 ft (KB) (TVD)**

Total Depth: **4710.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1824.00 ft (KB)**

1813.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 6755 **Inside**

Press@RunDepth: **440.89 psig @ 4658.00 ft (KB)**

Start Date: **2004.12.27**

End Date:

2004.12.28

Start Time: **23:34:49**

End Time:

09:41:59

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2004.12.28 @ 01:48:44**

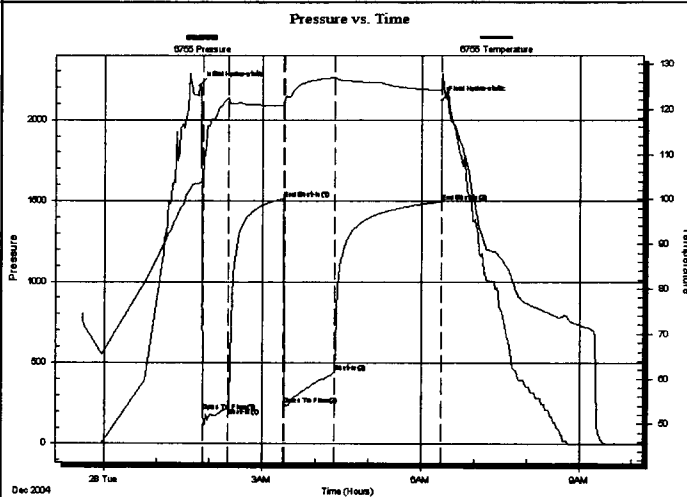
Time Off Btm: **2004.12.28 @ 06:23:14**

TEST COMMENT: IF- Strong blow bottom of bucket in 45 seconds

IS- Strong --GTS 4 min

FF- Strong gauging gas

FSI- Strong



PRESSURE SUMMARY

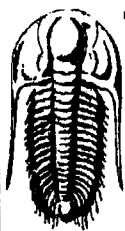
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2208.77	103.64	Initial Hydro-static
4	195.92	103.66	Open To Flow (1)
34	223.17	122.49	Shut-In(1)
96	1513.26	120.70	End Shut-In(1)
97	241.57	121.89	Open To Flow (2)
154	440.89	127.00	Shut-In(2)
275	1496.09	124.12	End Shut-In(2)
275	2121.70	124.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
434.00	SW	6.09
186.00	GSY O & MCW 15%g 15%o 55%w 15%	2.61
124.00	GSY O & MCW 15%g 25%o 40%w 20%	1.74
62.00	GSY O & SLOCM 20%g 10%o 70%w	0.87
62.00	GSY HO & WCM 10%g 30%o 10%w 50%	0.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	7.00	8.01
Last Gas Rate	0.13	19.00	12.50
Max. Gas Rate	0.13	19.00	12.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Oper. Co. LLC

Sherry # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

32-32s-12w Barber KS

Job Ticket: 19912

DST#: 3

ATTN: Wes Hansen

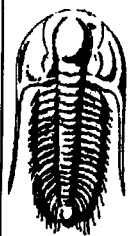
Test Start: 2004.12.27 @ 23:34:44

Tool Information

Drill Pipe:	Length: 4643.00 ft	Diameter: 3.80 inches	Volume: 65.13 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
		Total Volume: 65.13 bbl		Tool Chased ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4654.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	83.00 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			4628.00	
Shut In Tool	5.00			4633.00	
Hydraulic tool	5.00			4638.00	
Jars	5.00			4643.00	
Safety Joint	2.00			4645.00	
Packer	4.00			4649.00	27.00 Bottom Of Top Packer
Packer	5.00			4654.00	
Stubb	1.00			4655.00	
Perforations	2.00			4657.00	
Change Over Sub	1.00			4658.00	
Recorder	0.00	6755	Inside	4658.00	
Blank Spacing	31.00			4689.00	
Change Over Sub	1.00			4690.00	
Perforations	15.00			4705.00	
Recorder	0.00	13222	Outside	4705.00	
Bullnose	5.00			4710.00	56.00 Bottom Packers & Anchor
Total Tool Length:		83.00			



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DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Oper. Co. LLC

Sherry # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

32-32s-12w Barber KS

Job Ticket: 19912

DST#: 3

ATTN: Wes Hansen

Test Start: 2004.12.27 @ 23:34:44

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:

140000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
434.00	SW	6.088
186.00	GSY O & MCW 15%g 15%o 55%w 15%m	2.609
124.00	GSY O & MCW 15%g 25%o 40%w 20%m	1.739
62.00	GSY O & SLOCM 20%g 10%o 70%m	0.870
62.00	GSY HO & WCM 10%g 30%o 10%w 50%m	0.870

Total Length: 868.00 ft

Total Volume: 12.176 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .071 @ 60



TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

Woolsey Oper. Co. LLC

Sherry # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

32-32s-12w Barber KS

Job Ticket: 19912

DST#: 3

ATTN: Wes Hansen

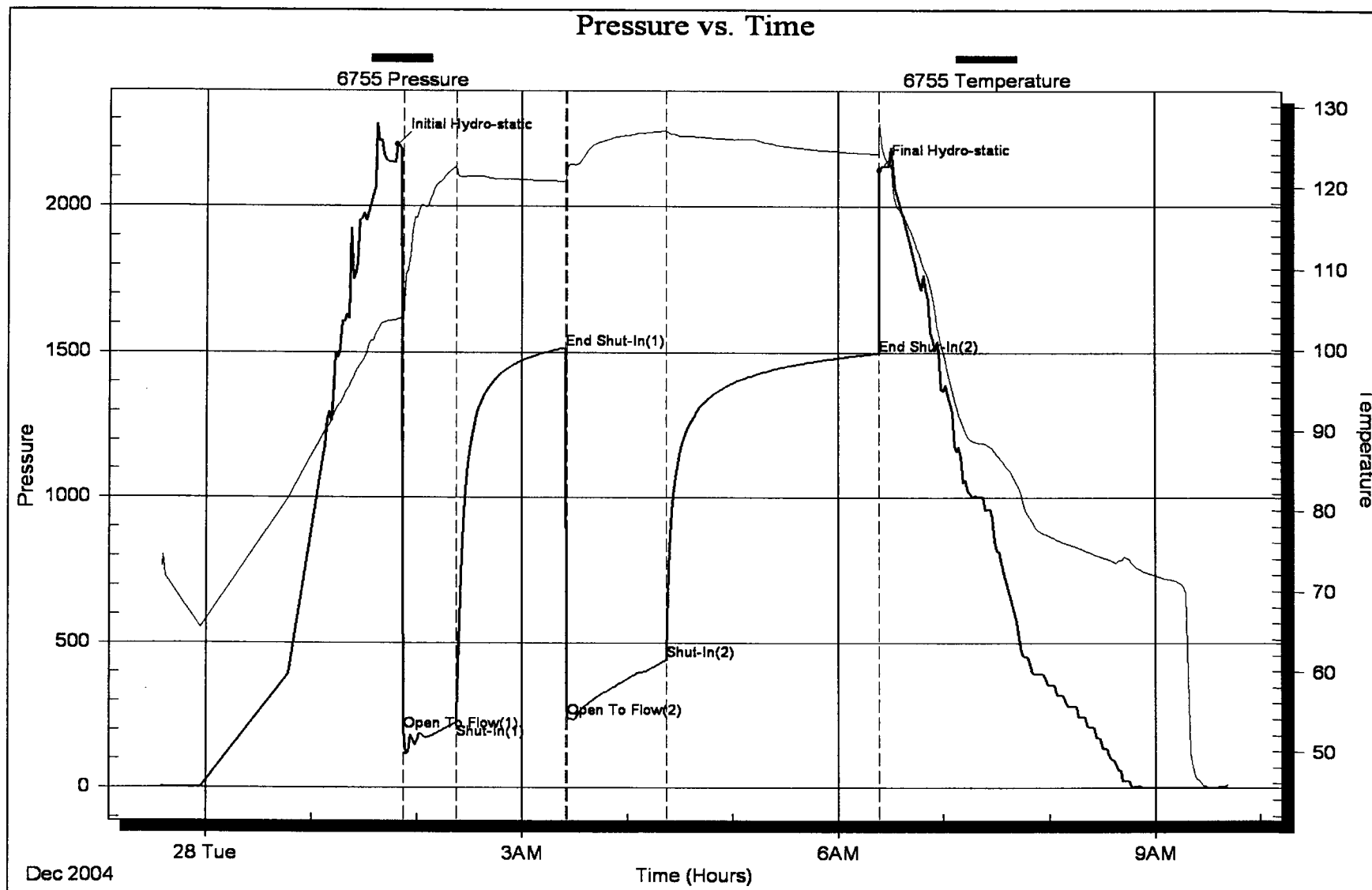
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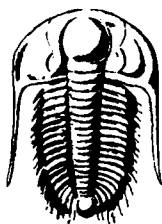
Gas Rates Information

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 ³ /d)
2	10	0.13	7.00	8.01
2	20	0.13	9.00	8.76
2	30	0.13	10.00	9.13
2	40	0.13	11.00	9.51
2	50	0.13	14.00	10.63
2	60	0.13	19.00	12.50





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV
7075

No 19910

05/03

Test Ticket

Well Name & No. <u>SHERIDAN II 1</u>	Test No. <u>1</u>	Date <u>12-19-04</u>
Company <u>WOOLSEY OPER. CO. LLC</u>	Zone Tested <u>DOUGLAS SP.</u>	
Address <u>125 N. MARKET, STE. 1,000, WICHITA KS. 67202</u>	Elevation <u>1824</u> KB <u>1813</u> GL	
Co. Rep / Geo. <u>WES HANSEN</u>	Cont. <u>DUKE DRUG. #5</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>32</u> Twp. <u>32 S</u> Rge. <u>12 W</u>	Co. <u>BARBER</u>	State <u>KS</u>
No. of Copies <u>5</u>	Disbtribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>-</u> Evaluation (Y, N) <u>-</u>

Interval Tested <u>3960 - 4010'</u>	Initial Str Wt./Lbs. <u>43,000</u>	Unseated Str Wt./Lbs. <u>46,000</u>
Anchor Length <u>50'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>66,000</u>
Top Packer Depth <u>3955'</u>	Tool Weight <u>2100 #</u>	
Bottom Packer Depth <u>3960'</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>4010'</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>None</u>
Mud Wt. <u>9.2</u> LCM <u>~</u> Vis. <u>38</u> WL <u>19.2 cc</u>	Drill Pipe Size <u>4 1/2"</u>	Ft. Run _____
Blow Description <u>FF: Strong blow. 13.0.3. in 15 sec. GTS in 15 mins. (see gas flow report) ISI: No blow.</u>		
<u>FF: Strong blow. (see gas flow report) FSI: No blow.</u>		
<u>Comment: Did tool 10' to bit.</u>		

Recovery - Total Feet <u>300</u>	GIP <u>yes</u>	Ft. in DC <u>0</u>	Ft. in DP <u>300</u>
Rec. <u>110</u> Feet of <u>GCM</u>	<u>15%</u> gas	<u>0%</u> oil	<u>85%</u> water <u>85%</u> mud
Rec. <u>190</u> Feet of <u>MW</u>	<u>0%</u> gas	<u>0%</u> oil	<u>76%</u> water <u>24%</u> mud
Rec. _____ Feet of _____	<u>0%</u> gas	<u>0%</u> oil	<u>0%</u> water <u>0%</u> mud
Rec. _____ Feet of _____	<u>0%</u> gas	<u>0%</u> oil	<u>0%</u> water <u>0%</u> mud
Rec. _____ Feet of _____	<u>0%</u> gas	<u>0%</u> oil	<u>0%</u> water <u>0%</u> mud
BHT <u>112</u> °F Gravity _____	°API D @ _____	°F Corrected Gravity _____	°API _____
RW <u>.14</u> @ <u>35</u> °F	Chlorides <u>124,000</u> ppm Recovery _____	Chlorides <u>10,000</u> ppm System	

AK-1	Alpine	Recorder No.	6755	Test	✓ 1000
(A) Initial Hydrostatic Mud	1925 PSI	(depth)	3961'	Elec. Rec.	✓ ~
(B) First Initial Flow Pressure	63 PSI	Recorder No.	13222	Jars	✓ 200
(C) First Final Flow Pressure	113 PSI	(depth)	4005'	Safety Jt.	✓ 50
(D) Initial Shut-In Pressure	718 PSI	Recorder No.	~	Circ Sub	_____
(E) Second Initial Flow Pressure	120 PSI	(depth)	~	Sampler	_____
(F) Second Final Flow Pressure	140 PSI	Initial Opening	30	Straddle	_____
(G) Final Shut-In Pressure	715 PSI	Initial Shut-In	60	Ext. Packer	_____
(Q) Final Hydrostatic Mud	1881 PSI	Final Flow	60	Shale Packer	_____
		Final Shut-In	120	Mileage	✓ 85
		T-On Location	2000	Sub Total:	1335
		T-Started	2047	Std. By	_____
		T-Open	2235	Other	_____
		T-Pulled	0309	Total:	1335.0
		T-Out	0531		

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Approved By Wesley Hansen
Our Representative Cam Pritchard



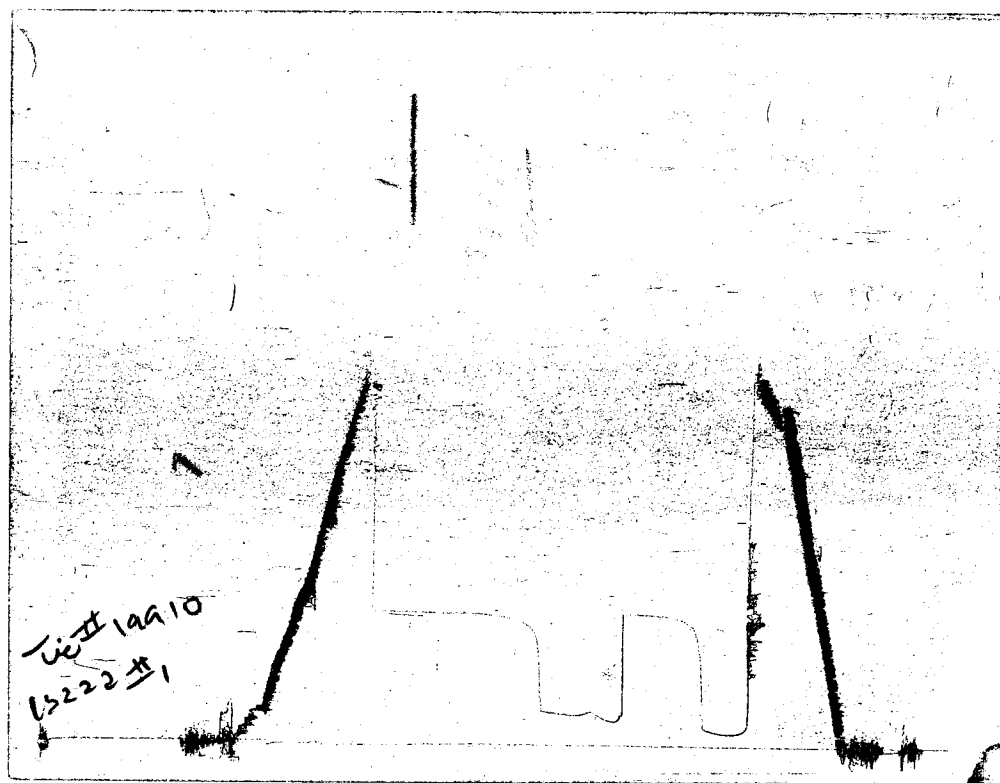
GAS VOLUME REPORT

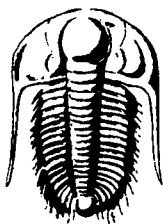
DST NO.

Remarks:

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19911

05/03

Test Ticket

Well Name & No. Woolsey Operating Co. LLC Test No. 2 Date 12-21-04
 Company Sherry #1 Zone Tested Lansing G
 Address 125 N. Market Stc. 1000, Wichita, KS 67202 Elevation 1824 KB 1813 GL
 Co. Rep / Geo. Wes Hansen Cont. Duke Drly. #5 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 32 Twp. 32s Rge. 12w Co. Barber State KS
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4346 - 4378' Initial Str Wt./Lbs. 46000 Unseated Str Wt/Lbs. 61,000
 Anchor Length 32' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 66000
 Top Packer Depth ~~3000~~ 4341' Tool Weight 2100
 Bottom Packer Depth 4346' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4378 Wt. Pipe Run None Drill Collar Run None
 Mud Wt. 9.1 LCM 4# Vis. 40 WL 10.0 Drill Pipe Size 4 1/2" Ft. Run 4327

Blow Description IF: Strong blow. BOB 15 secs.
ISI: Strong blow. BOB
FF: Strong blow. BOB 45 secs. GTS in 33 mins. TSTM
FSI: Weak blow. 2"-4"

Recovery - Total Feet 3310 GIP yes Ft. in DC 0 Ft. in DP 3310
 Rec. 90 Feet of MW %gas _____ %oil 70 %water 30 %mud _____
 Rec. 3220 Feet of SW %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 124 °F Gravity N/A °API D @ _____ °F Corrected Gravity _____ °API
 RW .15 @ 49 °F Chlorides 75000 ppm Recovery _____ Chlorides 8,000 ppm System

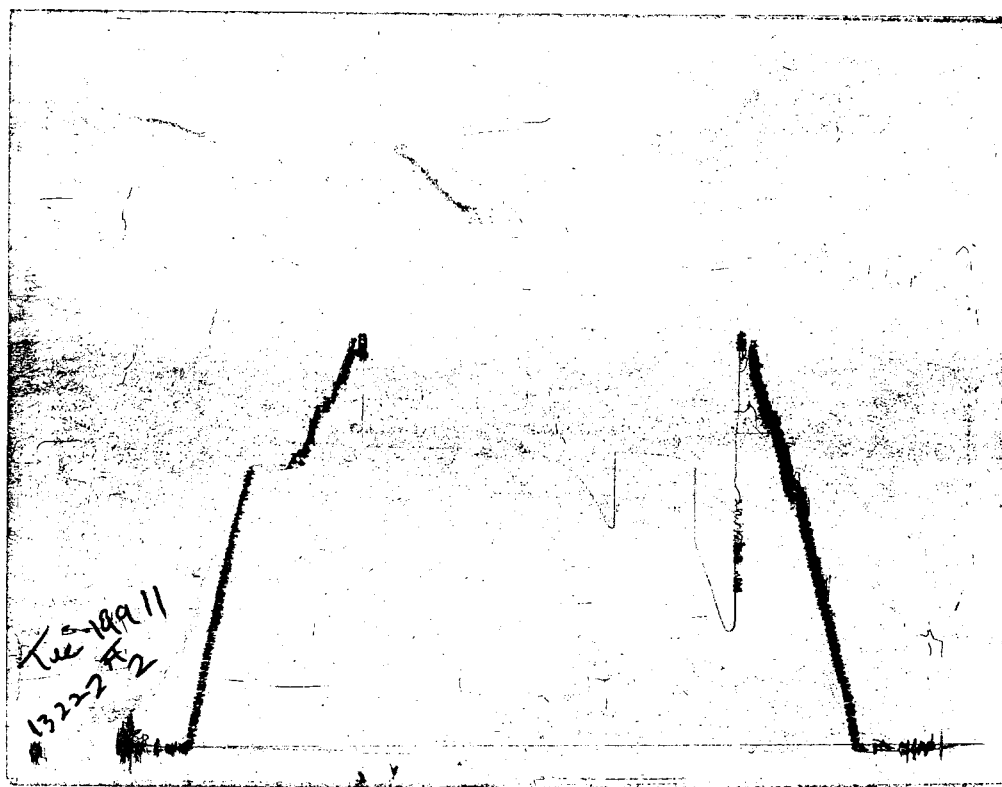
AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2074</u> PSI	<u>6755</u>	✓ <u>1000</u>
(B) First Initial Flow Pressure	<u>608</u> PSI	(depth) <u>4347</u>	Elec. Rec. ✓ <u>—</u>
(C) First Final Flow Pressure	<u>1138</u> PSI	Recorder No. <u>13222</u>	Jars ✓ <u>200</u>
(D) Initial Shut-In Pressure	<u>1578</u> PSI	(depth) <u>4373</u>	Safety Jt. ✓ <u>50</u>
(E) Second Initial Flow Pressure	<u>1147</u> PSI	Recorder No. <u>—</u>	Circ Sub _____
(F) Second Final Flow Pressure	<u>1564</u> PSI	(depth) <u>—</u>	Sampler _____
(G) Final Shut-In Pressure	<u>1581</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2067</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
		Final Flow <u>60</u>	Shale Packer _____
		Final Shut-In <u>120</u>	Mileage ✓ <u>85</u>
		T-On Location <u>06:00</u>	Sub Total: <u>1335</u>
		T-Started <u>06:18</u>	Std. By ✓ <u>60</u>
		T-Open <u>08:49</u>	Other _____
		T-Pulled <u>13:31</u>	Total: ✓ <u>1395</u>
		T-Out <u>16:55</u>	

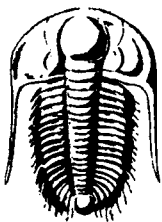
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Approved By Wesley Hansen
 Our Representative Craig J. Moten

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19912

05/03

Test Ticket

Well Name & No. Woolsey Operating Co. LLC Test No. 3 Date 12-28-04
Company Sherry #1 Zone Tested Miss.
Address 125 N. Market Ste 1000, Wichita, KS 67202 Elevation 1824 KB 1813 GL
Co. Rep / Geo. Wes Hansen Cont. _____ Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 32 Twp. 32s Rge. 12w Co. Barber State KS
No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4654 - 4710 Initial Str Wt./Lbs. 50000 Unseated Str Wt./Lbs. 54000
Anchor Length 56 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 54000
Top Packer Depth 4649 Tool Weight 2100
Bottom Packer Depth 4654 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 4710 Wt. Pipe Run None Drill Collar Run None
Mud Wt. 8.4 LCM 3# Vis. 58 WL 8.8 Drill Pipe Size 4 1/2" Ft. Run 4643

Blow Description IF: Strong blow. BOB in 45 secs.

ISI: Strong blow. GTS 4mins.

FE: Strong gaging gas.

FSI: Strong blow.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>434</u>	Feet of <u>SW</u>	%gas _____ %oil _____ %water _____ %mud _____	
Rec. <u>186</u>	Feet of <u>GSY 0% MCW 15</u>	%gas <u>15</u> %oil <u>55</u> %water <u>15</u> %mud _____	
Rec. <u>124</u>	Feet of <u>GSY 0% MCW 15</u>	%gas <u>25</u> %oil <u>40</u> %water <u>20</u> %mud _____	
Rec. <u>62</u>	Feet of <u>GSY SL OCM 20</u>	%gas <u>10</u> %oil <u>70</u> %water <u>70</u> %mud _____	
Rec. <u>62</u>	Feet of <u>GSY HO E WCM 10</u>	%gas <u>30</u> %oil <u>10</u> %water <u>50</u> %mud _____	
BHT <u>124</u>	°F Gravity _____ API D @ _____	°F Corrected Gravity _____	°API _____
RW <u>.071</u> @ <u>60</u> °F	Chlorides _____ ppm Recovery <u>140000</u>	Chlorides <u>6000</u> ppm System	

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2204</u> PSI	<u>6755</u>	<u>✓</u>
(B) First Initial Flow Pressure	<u>196</u> PSI	<u>4658</u>	<u>✓</u>
(C) First Final Flow Pressure	<u>223</u> PSI	<u>13222</u>	<u>✓</u>
(D) Initial Shut-In Pressure	<u>1513</u> PSI	<u>4707</u>	<u>✓</u>
(E) Second Initial Flow Pressure	<u>242</u> PSI		
(F) Second Final Flow Pressure	<u>441</u> PSI		
(G) Final Shut-In Pressure	<u>1496</u> PSI	Initial Opening <u>30</u>	
(Q) Final Hydrostatic Mud	<u>2122</u> PSI	Initial Shut-In <u>60</u>	

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Approved By Wesley Hansen

Our Representative Danny

Recorder No.	<u>6755</u>	Test	<u>✓</u>
(depth)	<u>4658</u>	Elec. Rec.	<u>✓</u>
Recorder No.	<u>13222</u>	Jars	<u>✓</u>
(depth)	<u>4707</u>	Safety Jt.	<u>✓</u>
Recorder No.		Circ Sub	
(depth)		Sampler	
Initial Opening	<u>30</u>	Straddle	
Initial Shut-In	<u>60</u>	Ext. Packer	
Final Flow	<u>60</u>	Shale Packer	
Final Shut-In	<u>120</u>	Mileage	<u>✓</u>
T-On Location	<u>22:00</u>	Sub Total:	
T-Started	<u>23:21</u>	Std. By <u>2 hrs</u>	
T-Open	<u>01:38</u>	Other	
T-Pulled	<u>0608</u>	Total:	
T-Out	<u>0941</u>		



CHART PAGE

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