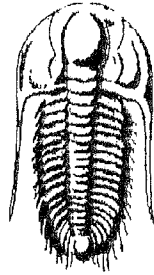


30-19S-10W



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr & Associates Inc**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

30 19S 10W Rice KS

Thomas #2-30

Start Date: 2006.11.16 @ 03:56:27

End Date: 2006.11.16 @ 20:21:22

Job Ticket #: 25915 DST #: 1

KCC
MAR 01 2007
CONFIDENTIAL

15-159-22518

NW SE NW

1760 FNL 1520 FNL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr & Associates Inc

Thomas #2-30

1670 Broadway Ste 3300
Denver CO 80202

30 19S 10W Rice KS

Job Ticket: 25915

DST#: 1

ATTN: Tom Fertal

Test Start: 2006.11.16 @ 03:56:27

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	MGO 7%G 20%M 73%O	0.915
82.00	MGO 5%G 30%M 65%O	0.403
93.00	CO	0.584
0.00	260 ' GIP	0.000

Total Length: 361.00 ft

Total Volume: 1.902 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

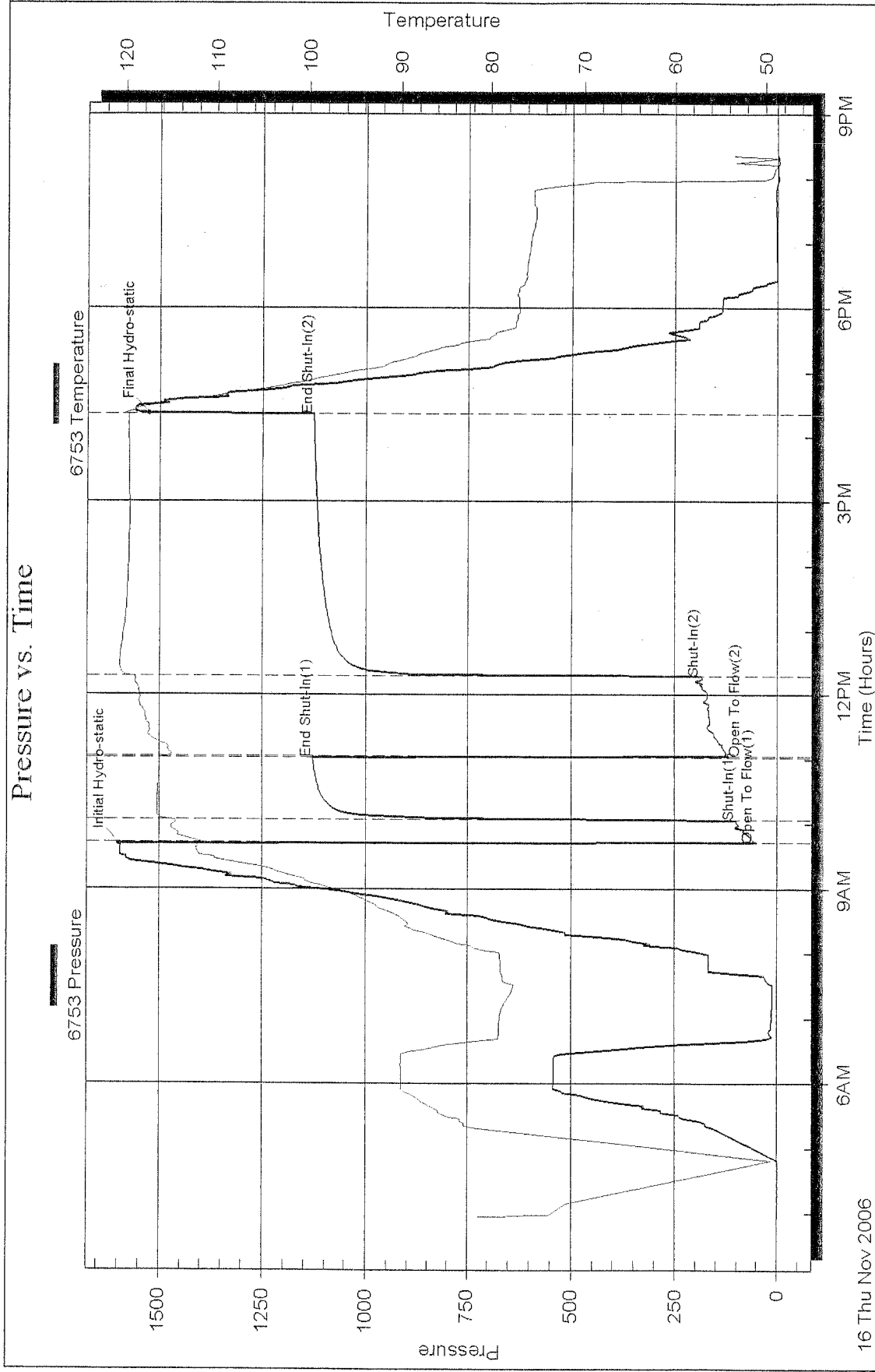
Serial #: 6753

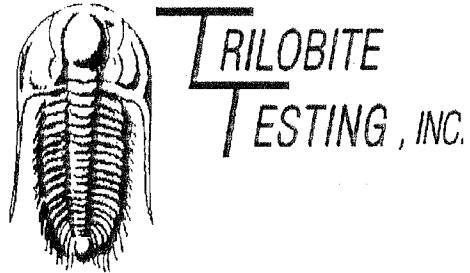
Inside

Sam Gary Jr & Associates Inc

30 19S 10W Rice KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr & Associates Inc**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

30 19S 10W Rice KS

Thomas #2-30

Start Date: 2006.11.17 @ 03:21:23

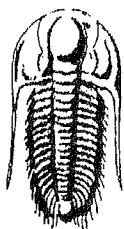
End Date: 2006.11.17 @ 14:19:48

Job Ticket #: 25916 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

Sam Gary Jr & Associates Inc

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

Thomas #2-30

30 19S 10W Rice KS

Job Ticket: 25916

DST#: 2

Test Start: 2006.11.17 @ 03:21:23

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:37:48

Time Test Ended: 14:19:48

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3335.00 ft (KB) To 3345.00 ft (KB) (TVD)**

Total Depth: 3345.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1776.00 ft (KB)

1766.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6753

Inside

Press@RunDepth: 99.30 psig @ 3337.01 ft (KB)

Start Date: 2006.11.17

End Date:

2006.11.17

Start Time: 03:21:23

End Time:

14:19:48

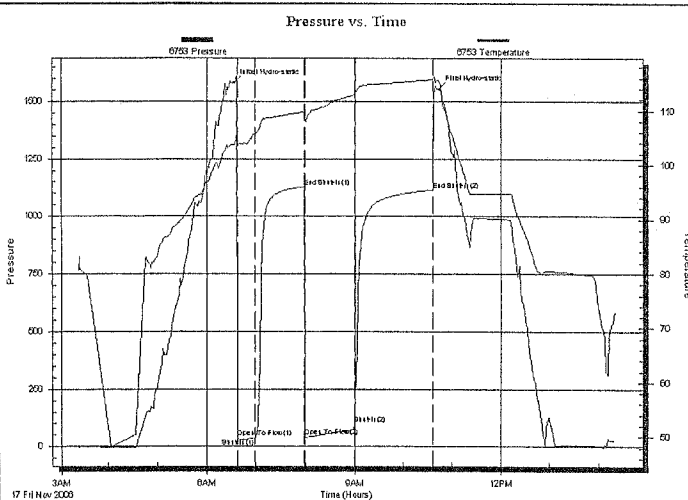
Capacity: 7000.00 psig

Last Calib.: 2006.11.17

Time On Btm: 2006.11.17 @ 06:32:48

Time Off Btm: 2006.11.17 @ 10:43:47

TEST COMMENT: IFP Wk bl thru-out 1/4 " to 2 " bl
FFP Wk bl thru-out surface to 1 3/4 " bl
Times 20 60 60 90
No bl on shut-ins



PRESSURE SUMMARY

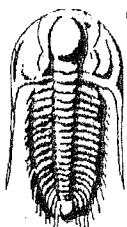
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1579.18	103.70	Initial Hydro-static
5	37.45	103.57	Open To Flow (1)
26	35.37	105.84	Shut-In (1)
85	1128.31	109.84	End Shut-In (1)
86	43.75	108.13	Open To Flow (2)
146	99.30	112.96	Shut-In (2)
245	1116.01	115.76	End Shut-In (2)
251	1551.83	115.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCMV 6%O 15%M 79%W	0.10
41.00	MGO 10% 5%M 85%O	0.20
72.00	CO	0.35
0.00	300' GIP	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Associates Inc

Thomas #2-30

1670 Broadway Ste 3300
Denver CO 80202

30 19S 10W Rice KS

Job Ticket: 25916

DST#: 2

ATTN: Tom Fertal

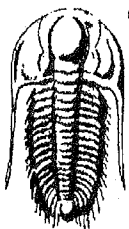
Test Start: 2006.11.17 @ 03:21:23

Tool Information

Drill Pipe:	Length: 3007.00 ft	Diameter: 2.76 inches	Volume: 22.25 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: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	23.77 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	41000.00 lb
Depth to Top Packer:	3335.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.02 ft				
Tool Length:	38.02 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			3308.00	
Shut In Tool	5.00			3313.00	
Hydraulic tool	5.00			3318.00	
Jars	5.00			3323.00	
Safety Joint	2.00			3325.00	
Packer	5.00			3330.00	28.00 Bottom Of Top Packer
Packer	5.00			3335.00	
Stubb	1.00			3336.00	
Perforations	1.00			3337.00	
Recorder	0.01	6753	Inside	3337.01	
Perforations	5.00			3342.01	
Recorder	0.01	13534	Outside	3342.02	
Bullnose	3.00			3345.02	10.02 Bottom Packers & Anchor

Total Tool Length: 38.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr & Associates Inc

Thomas #2-30

1670 Broadway Ste 3300
Denver CO 80202

30 19S 10W Rice KS

Job Ticket: 25916

DST#: 2

ATTN: Tom Fertal

Test Start: 2006.11.17 @ 03:21:23

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:

25000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OCMW 6%O 15%M 79%W	0.098
41.00	MGO 10% 5%M 85%O	0.202
72.00	CO	0.354
0.00	300' GIP	0.000

Total Length: 133.00 ft

Total Volume: 0.654 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .41 @ 53F

Pressure vs. Time

