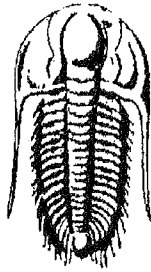


15-009-24857

14-16s-11w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Sam Gary**

1670 Broadway Blvd Ste #3300
Denver, Co. 80202

ATTN:

14-16s-11w

Weber-Zajic # 1-14

Start Date: 2005.08.15 @ 16:59:36

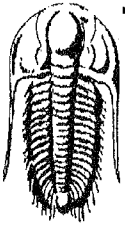
End Date: 2005.08.16 @ 00:43:50

Job Ticket #: 22133 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

Sami Gary
1670 Brodway Blvd Ste #3300
Denver, Co. 80202

Weber-Zajic # 1-14
14-16s-11w
Job Ticket: 22133 **DST#: 1**
Test Start: 2005.08.15 @ 16:59:36

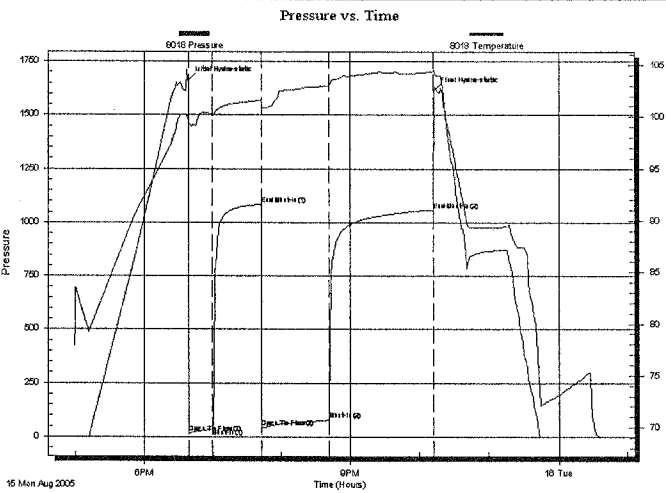
ATTN:

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 18:38:35
Time Test Ended: 00:43:50
Test Type: **Conventional Bottom Hole**
Tester: **John Schmidt**
Unit No: **31**
Interval: **3343.00 ft (KB) To 3370.00 ft (KB) (TVD)**
Reference Elevations: **1879.00 ft (KB)**
Total Depth: **3370.00 ft (KB) (TVD)**
1873.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
KB to GR/CF: **6.00 ft**

Serial #: 8018 Inside
Press@RunDepth: **80.21 psig @ 3344.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.08.15** End Date: **2005.08.16** Last Calib.: **2005.08.16**
Start Time: **16:59:36** End Time: **00:43:50** Time On Btm: **2005.08.15 @ 18:38:20**
Time Off Btm: **2005.08.15 @ 22:13:05**

TEST COMMENT: IF-Weak built to 2" in. ISI-Dead
FF-Weak built to 6" in. FSI-Very weak surface blow back dead in 15 min.



PRESSURE SUMMARY

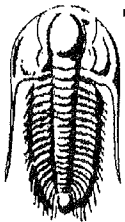
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1663.14	99.71	Initial Hydro-static
1	16.75	99.16	Open To Flow (1)
21	38.32	100.15	Shut-In(1)
64	1084.55	101.61	End Shut-In(1)
65	42.36	101.20	Open To Flow (2)
124	80.21	103.00	Shut-In(2)
214	1058.50	104.35	End Shut-In(2)
215	1613.13	104.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCM-15%oil85%mud	0.62
30.00	Clean oil	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary

Weber-Zajic # 1-14

1670 Broadway Blvd Ste #3300
Denver, Co. 80202

14-16s-11w

Job Ticket: 22133

DST#: 1

ATTN:

Test Start: 2005.08.15 @ 16:59:36

Tool Information

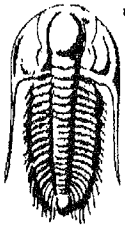
Drill Pipe:	Length: 3226.00 ft	Diameter: 3.80 inches	Volume: 45.25 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	45.83 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3343.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3316.00	
Shut In Tool	5.00			3321.00	
Hydraulic tool	5.00			3326.00	
Jars	5.00			3331.00	
Safety Joint	3.00			3334.00	
Packer	4.00			3338.00	28.00 Bottom Of Top Packer
Packer	5.00			3343.00	
Stubb	1.00			3344.00	
Recorder	0.00	8018	Inside	3344.00	
Perforations	23.00			3367.00	
Recorder	0.00	13308	Outside	3367.00	
Bullnose	3.00			3370.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary
1670 Broadway Blvd Ste #3300
Denver, Co. 80202

Weber-Zajic # 1-14
14-16s-11w
Job Ticket: 22133 **DST#: 1**
Test Start: 2005.08.15 @ 16:59:36

ATTN:

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OCM-15%oil85%mud	0.617
30.00	Clean oil	0.421

Total Length: 150.00 ft Total Volume: 1.038 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8018

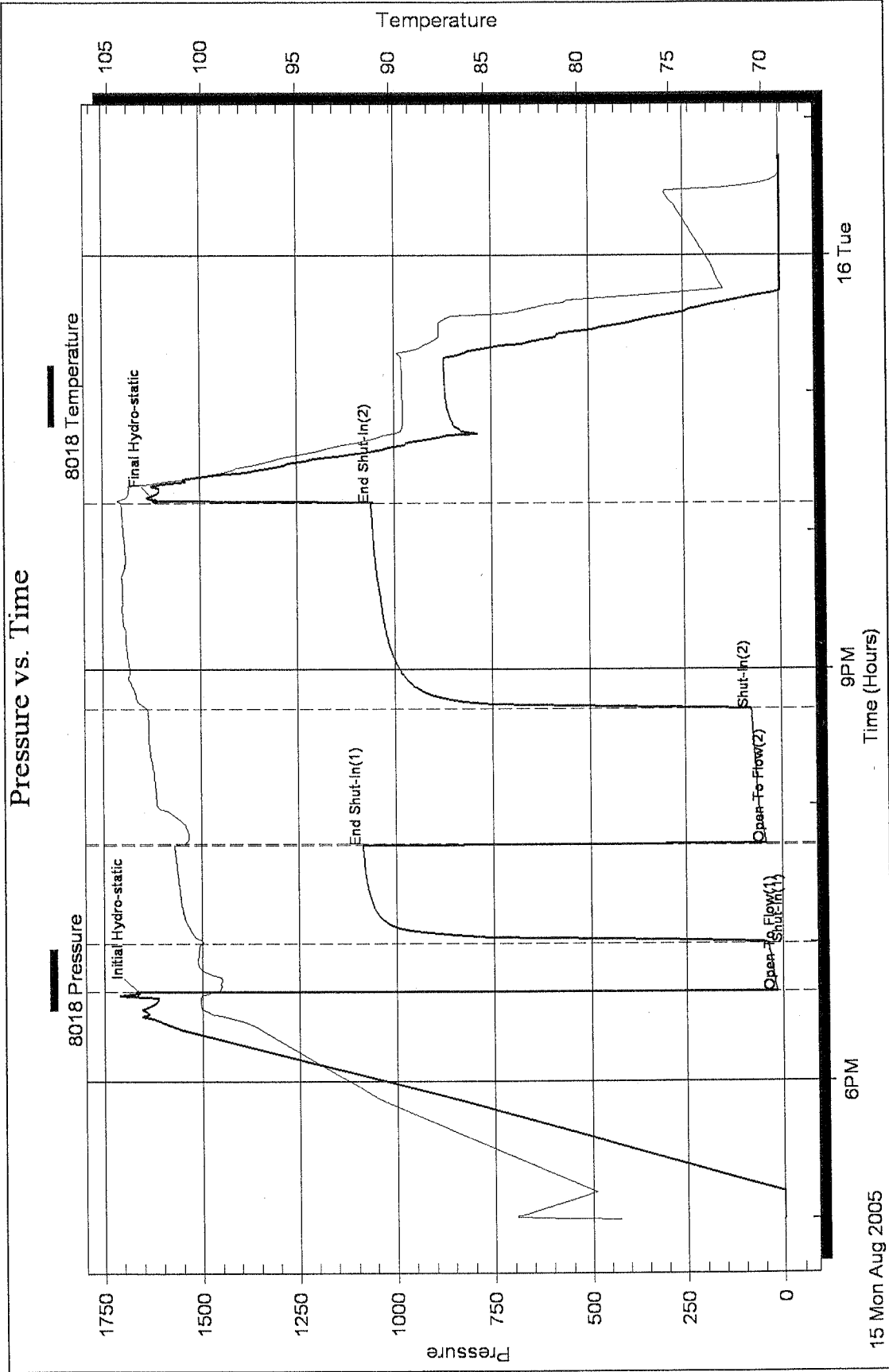
Inside

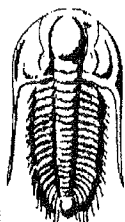
Sam Gary

14-16s-11w

DST Test Number: 1

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Sam Gary
1670 Broadway Blvd Ste #3300
Denver, Co. 80202
ATTN:

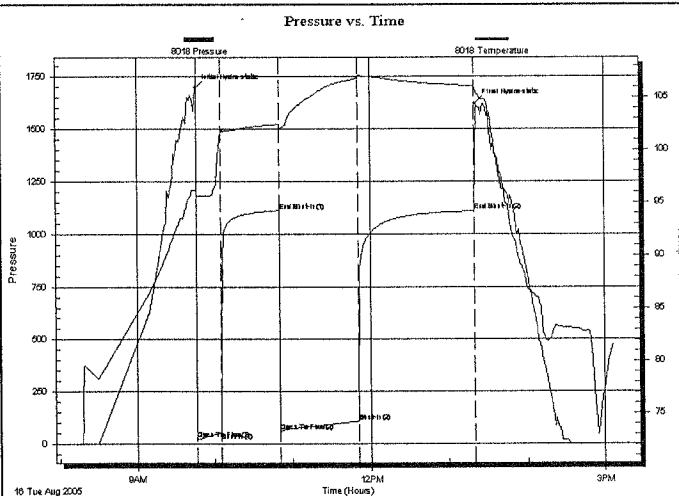
Weber-Zajic # 1-14
14-16s-11w
Job Ticket: 22134 **DST#: 2**
Test Start: 2005.08.16 @ 08:17:36

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 09:46:36
Time Test Ended: 15:06:51
Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 31
Interval: **3369.00 ft (KB) To 3380.00 ft (KB) (TVD)**
Reference Elevations: 1879.00 ft (KB)
Total Depth: 3380.00 ft (KB) (TVD) 1873.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: 107.63 psig @ 3372.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2005.08.16 End Date: 2005.08.16 Last Calib.: 2005.08.16
Start Time: 08:17:37 End Time: 15:06:51 Time On Btm: 2005.08.16 @ 09:46:06
Time Off Btm: 2005.08.16 @ 13:21:21

TEST COMMENT: IF-Fair built to 4" in. ISI-Dead
FF-Good built to 9" in. FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1697.14	96.17	Initial Hydro-static
1	20.82	95.71	Open To Flow (1)
20	55.99	101.62	Shut-In(1)
65	1111.16	102.45	End Shut-In(1)
65	58.50	101.80	Open To Flow (2)
125	107.63	106.85	Shut-In(2)
214	1107.89	106.10	End Shut-In(2)
216	1622.20	105.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	M.S. Water 80%W--20%M	1.88

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary
1670 Broadway Blvd Ste #3300
Denver, Co.80202

Weber-Zajic # 1-14
14-16s-11w
Job Ticket: 22134 **DST#: 2**
Test Start: 2005.08.16 @ 08:17:36

ATTN:

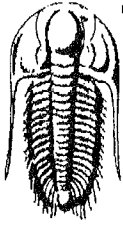
Tool Information

Drill Pipe:	Length: 3254.00 ft	Diameter: 3.80 inches	Volume: 45.65 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: 46.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3369.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 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			3342.00	
Shut In Tool	5.00			3347.00	
Hydraulic tool	5.00			3352.00	
Jars	5.00			3357.00	
Safety Joint	3.00			3360.00	
Packer	4.00			3364.00	28.00 Bottom Of Top Packer
Packer	5.00			3369.00	
Stubb	1.00			3370.00	
Perforations	2.00			3372.00	
Recorder	0.00	8018	Inside	3372.00	
Perforations	5.00			3377.00	
Recorder	0.00	13308	Outside	3377.00	
Bullnose	3.00			3380.00	11.00 Bottom Packers & Anchor

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary
1670 Broadway Blvd Ste #3300
Denver, Co.80202

Weber-Zajic # 1-14
14-16s-11w
Job Ticket: 22134 DST#: 2
Test Start: 2005.08.16 @ 08:17:36

ATTN:

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 7000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 13000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	M.S.Water 80%W-20%M	1.880

Total Length: 210.00 ft Total Volume: 1.880 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

