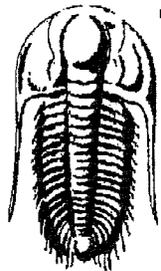


15-185-23373



**TRILOBITE
TESTING, INC.**

T-N-T Engineering

Siefkes-A #11

3 22 12W Stafford KS

DST # 1

Arbuckle

2006.09.27

DRILL STEM TEST REPORT

Prepared For: **T-N-T Engineering**

3711 Maplewood Ave Ste 201
Wichita Falls TX 76308

ATTN: Josh Austin

3 22 12W Stafford KS

Siefkes-A #11

Start Date: 2006.09.27 @ 21:42:25

End Date: 2006.09.28 @ 06:44:25

Job Ticket #: 26222 DST #: 1

15-185-23373

NW SE NE

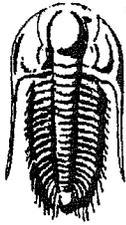
1895 FNL 1025 FEL

**KCC
NOV 17 2006
CONFIDENTIAL**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

T-N-T Engineering

3711 Maplewood Ave Ste 201
Wichita Falls TX 76308

ATTN: Josh Austin

Siefkes-A #11

3 22 12W Stafford KS

Job Ticket: 26222

DST#: 1

Test Start: 2006.09.27 @ 21:42:25

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 01:03:25

Time Test Ended: 06:44:25

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3593.00 ft (KB) To 3602.00 ft (KB) (TVD)**

Total Depth: 3602.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1846.00 ft (KB)

1841.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8289

Inside

Press@RunDepth: 629.19 psig @ 3594.00 ft (KB)

Start Date: 2006.09.27

End Date:

2006.09.28

Capacity: 7000.00 psig

Last Calib.: 2006.09.28

Start Time: 21:42:30

End Time:

06:44:25

Time On Btm: 2006.09.28 @ 01:02:25

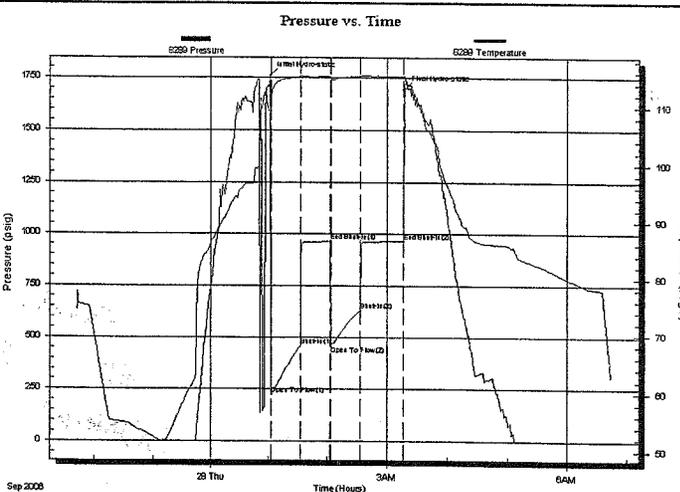
Time Off Btm: 2006.09.28 @ 03:16:54

TEST COMMENT: IFP BOB in 2 min

ISI Weak surface blow back throughout

FFP BOB in approx. 5 min (head w as knocked loose and retightened) Gas to surface in 18 min.

FSI BOB in 7 min



PRESSURE SUMMARY

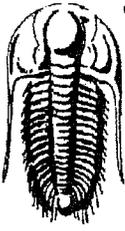
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1758.83	109.10	Initial Hydro-static
1	222.28	111.75	Open To Flow (1)
30	457.74	115.27	Shut-In (1)
61	963.19	115.30	End Shut-In (1)
61	459.36	115.02	Open To Flow (2)
91	629.19	115.31	Shut-In (2)
134	963.58	115.40	End Shut-In (2)
135	1695.06	115.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	GHOCM 10%G 30%O 60%M	0.34
480.00	GWMCO 25%G 10%W 5%M 60%O	5.23
120.00	GOCMV 10%G 30%O 10%M 50%W	1.70
720.00	WATER	10.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

T-N-T Engineering

Siefkes-A #11

3711 Maplewood Ave Ste 201
Wichita Falls TX 76308

3 22 12W Stafford KS

Job Ticket: 26222

DST#: 1

ATTN: Josh Austin

Test Start: 2006.09.27 @ 21:42:25

Tool Information

Drill Pipe:	Length: 3366.00 ft	Diameter: 3.82 inches	Volume: 47.71 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	48.89 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3593.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	30.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3573.00	
Shut In Tool	5.00			3578.00	
Hydraulic tool	5.00			3583.00	
Packer	5.00			3588.00	21.00 Bottom Of Top Packer
Packer	5.00			3593.00	
Stubb	1.00			3594.00	
Recorder	0.00	8289	Inside	3594.00	
Perforations	5.00			3599.00	
Recorder	0.00	3351	Inside	3599.00	
Bullnose	3.00			3602.00	9.00 Bottom Packers & Anchor
Total Tool Length:	30.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

T-N-T Engineering
3711 Maplewood Ave Ste 201
Wichita Falls TX 76308
ATTN: Josh Austin

Siefkes-A #11
3 22 12W Stafford KS
Job Ticket: 26222 DST#: 1
Test Start: 2006.09.27 @ 21:42:25

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: <i>21</i> deg API <i>(258)</i>
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: <i>32000</i> ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 7500.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	GHOCM 10%G 30%O 60%M	0.344
480.00	GWMCO 25%G 10%W 5%M 60%O	5.230
120.00	GOCMW 10%G 30%O 10%M 50%W	1.701
720.00	WATER	10.206

Total Length: 1390.00 ft Total Volume: 17.481 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

