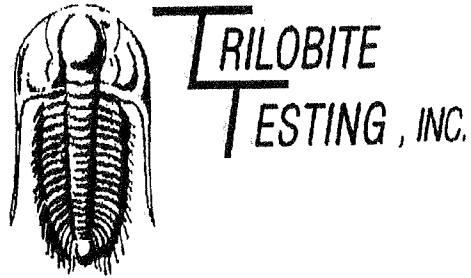


32-11s-19w

32-11s-19w
SW NE SE



DRILL STEM TEST REPORT

Prepared For: **IA Operating Inc**

900 N Tyler Rd Ste 14
Wichita KS 67212

ATTN: Hal Porter

32 11S 19W Ellis KS

Solomon Unit 32-2

Start Date: 2007.03.13 @ 18:13:53

End Date: 2007.03.14 @ 00:49:23

Job Ticket #: 27545 DST #: 1

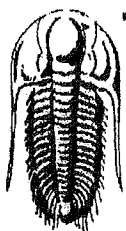
15-051-25608

2240 FNL 1170 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

IA Operating Inc
900 N Tyler Rd Ste 14
Wichita KS 67212
ATTN: Hal Porter

Solomon Unit 32-2
32 11S 19W Ellis KS
Job Ticket: 27545 DST#: 1
Test Start: 2007.03.13 @ 18:13:53

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:50:53
Time Test Ended: 00:49:23

Test Type: Conventional Straddle
Tester: John Schmidt
Unit No: 31

Interval: **3569.00 ft (KB) To 3600.00 ft (KB) (TVD)**
Total Depth: 3650.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

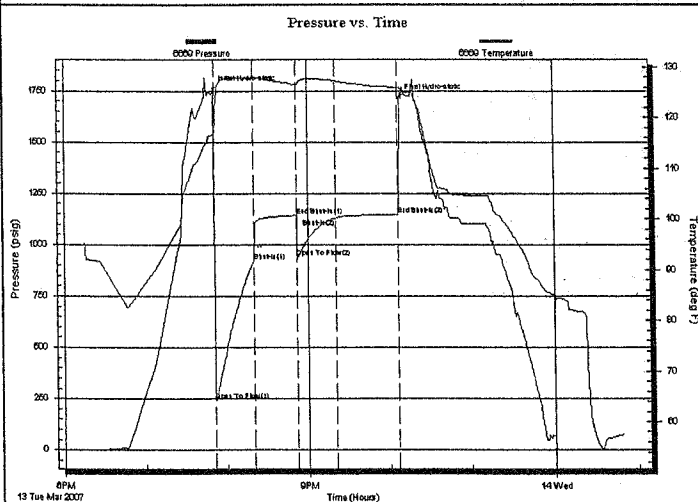
Reference Elevations: 2037.00 ft (KB)
2032.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6669 Inside

Press@RunDepth: 1128.51 psig @ 3580.00 ft (KB)
Start Date: 2007.03.13 End Date: 2007.03.14
Start Time: 18:13:58 End Time: 00:49:22

Capacity: 7000.00 psig
Last Calib.: 2007.03.14
Time On Btm: 2007.03.13 @ 19:50:23
Time Off Btm: 2007.03.13 @ 22:07:23

TEST COMMENT: IF Strong BOB in 1 min.
ISI Dead
FF Strong BOB in 1 min.
FSI Dead



PRESSURE SUMMARY

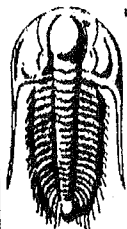
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1757.78	116.97	Initial Hydro-static
1	239.53	114.71	Open To Flow (1)
30	918.92	127.76	Shut-In (1)
61	1142.82	126.56	End Shut-In (1)
62	938.93	126.34	Open To Flow (2)
90	1128.51	127.21	Shut-In (2)
136	1146.78	125.87	End Shut-In (2)
137	1713.18	125.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2495.00	S. Water	33.60

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

IA Operating Inc

900 N Tyler Rd Ste 14
Wichita KS 67212

ATTN: Hal Porter

Solomon Unit 32-2

32 11S 19W Ellis KS

Job Ticket: 27545

DST#: 1

Test Start: 2007.03.13 @ 18:13:53

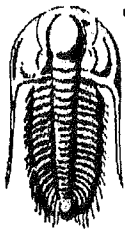
Tool Information

Drill Pipe:	Length: 3414.00 ft	Diameter: 3.80 inches	Volume: 47.89 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:	20000.00 lb
Drill Collar:	Length: 153.00 ft	Diameter: 2.25 inches	Volume: 0.75 bbl	Weight to Pull Loose:	10000.00 lb
		Total Volume:	48.64 bbl	Tool Chased	15.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	3569.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	3600.00 ft				
Interval between Packers:	31.00 ft				
Tool Length:	101.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3550.00	
Shut In Tool	5.00			3555.00	
Hydraulic tool	5.00			3560.00	
Packer	4.00			3564.00	20.00 Bottom Of Top Packer
Packer	5.00			3569.00	
Stubb	1.00			3570.00	
Perforations	10.00			3580.00	
Recorder	0.00	6669	Inside	3580.00	
Perforations	19.00			3599.00	
Recorder	0.00	13308	Outside	3599.00	
Blank Off Sub	1.00			3600.00	31.00 Tool Interval
Packer	0.00			3600.00	
Stubb	1.00			3601.00	
Perforations	8.00			3609.00	
Change Over Sub	1.00			3610.00	
Recorder	0.00	11084		3610.00	
Blank Spacing	31.00			3641.00	
Change Over Sub	1.00			3642.00	
Perforations	5.00			3647.00	
Bullnose	3.00			3650.00	50.00 Bottom Packers & Anchor

Total Tool Length: 101.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating Inc

900 N Tyler Rd Ste 14
Wichita KS 67212

ATTN: Hal Porter

Solomon Unit 32-2

32 11S 19W Ellis KS

Job Ticket: 27545

DST#: 1

Test Start: 2007.03.13 @ 18:13:53

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

22000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2495.00	S.Water	33.605

Total Length: 2495.00 ft Total Volume: 33.605 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

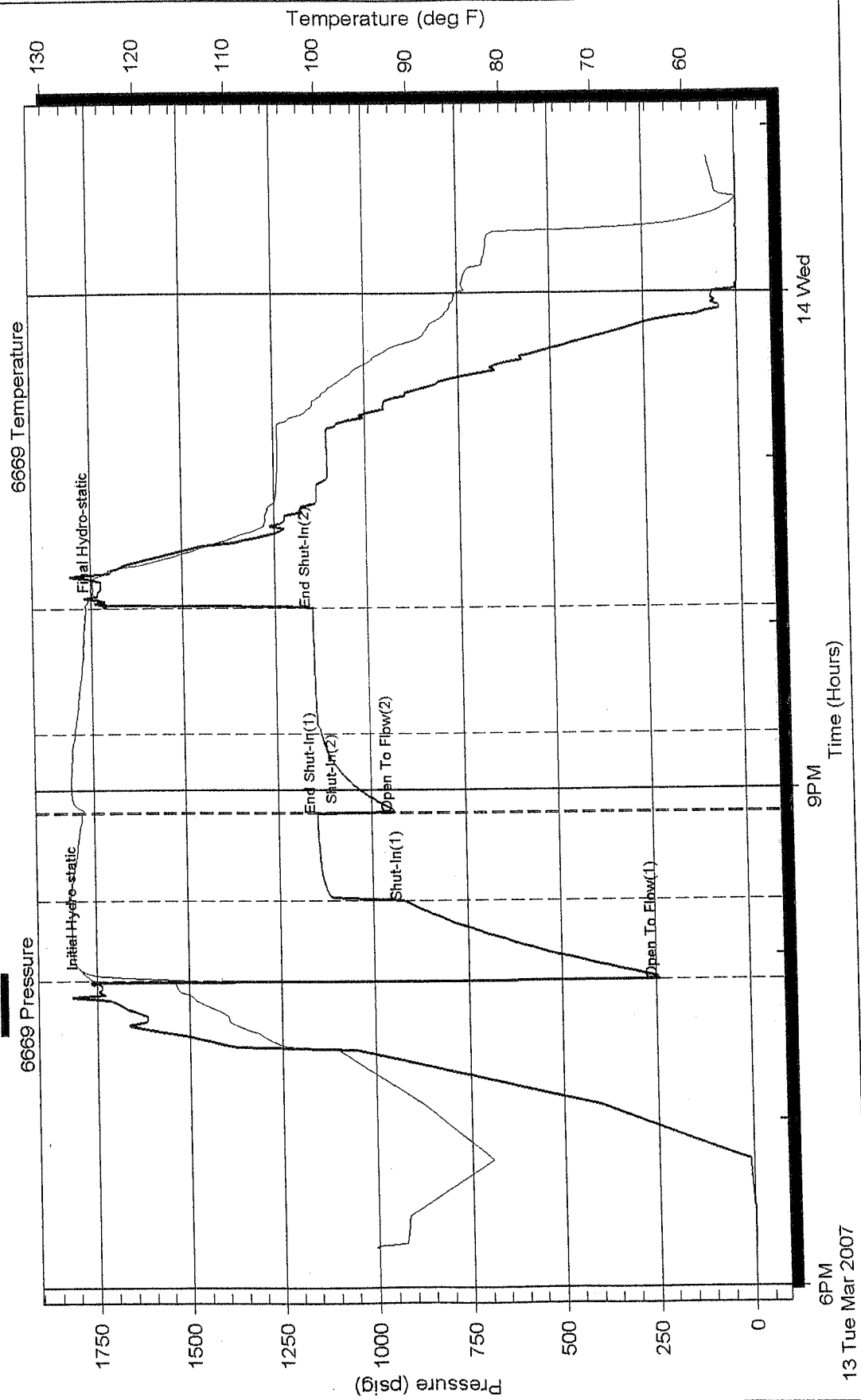
DST Test Number: 1

32 11S 19W Ellis KS

Inside IA Operating Inc

Serial #: 6669

Pressure vs. Time



Ref. No: 27545

Trilobite Testing, Inc