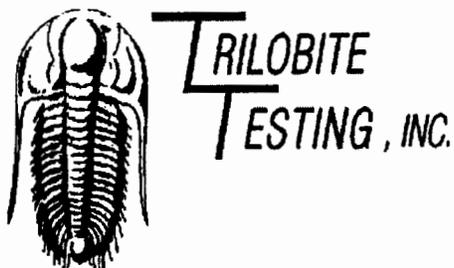


26-14s-20w

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DRILL STEM TEST REPORT

Prepared For: **Imperial American Operating Inc**

900 NTyler Rd #14
Wichita KS 67212

ATTN: Randy Kilian

26 14S 20W Ellis KS

Mavis 26-3

Start Date: 2006.07.10 @ 20:53:10

End Date: 2006.07.11 @ 03:32:19

Job Ticket #: 23110 DST #: 1

15-051-25547-00-00

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Imperial American Operating Inc

Mavis 26-3

26 14S 20W Ellis KS

DST # 1

Arbuckle

2006.07.10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Imperial American Operating Inc

Mavis 26-3

900 NTyler Rd #14
Wichita KS 67212

26 14S 20W Ellis KS

Job Ticket: 23110

DST#: 1

ATTN: Randy Kilian

Test Start: 2006.07.10 @ 20:53:10

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:43:50

Time Test Ended: 03:32:19

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **3703.00 ft (KB) To 3744.00 ft (KB) (TVD)**

Total Depth: 3744.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2109.00 ft (KB)

2104.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 82.34 psig @ 3704.00 ft (KB)

Start Date: 2006.07.10

End Date:

2006.07.11

Capacity: 7000.00 psig

Last Calib.: 2006.07.11

Start Time: 20:53:10

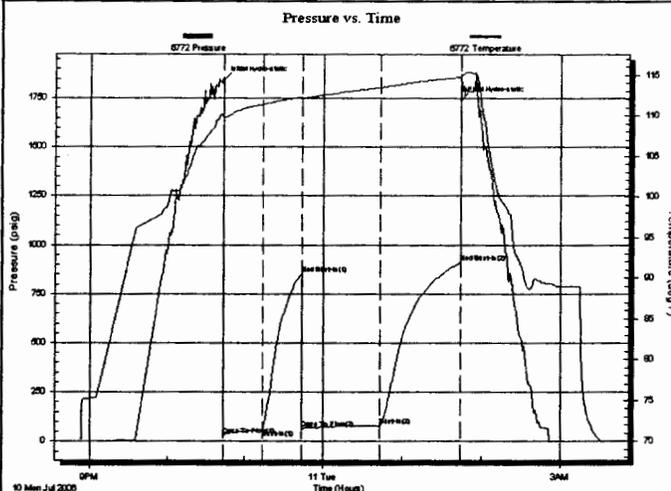
End Time:

03:32:19

Time On Btrm: 2006.07.10 @ 22:43:35

Time Off Btrm: 2006.07.11 @ 01:44:04

TEST COMMENT: IF 1 1/2 in blow built to 2 1/2 in 30 min
IS No return
FF Surface blow built to 1 in 60 min
FS No return



PRESSURE SUMMARY

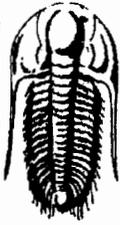
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1841.95	110.13	Initial Hydro-static
1	32.80	109.61	Open To Flow (1)
31	60.87	111.38	Shut-In(1)
60	854.10	112.27	End Shut-In(1)
60	65.77	112.05	Open To Flow (2)
120	82.34	113.45	Shut-In(2)
181	909.99	114.73	End Shut-In(2)
181	1741.00	115.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	OCM 30%O 70%M	0.30
61.00	OCM 40%O 60%M	0.30
40.00	MCO 90%O 10%M	0.29

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Operating Inc

Mavis 26-3

900 N Tyler Rd #14
Wichita KS 67212

26 14S 20W Ellis KS

Job Ticket: 23110

DST#: 1

ATTN: Randy Kilian

Test Start: 2006.07.10 @ 20:53:10

Tool Information

Drill Pipe:	Length: 3538.00 ft	Diameter: 3.80 inches	Volume: 49.63 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 152.00 ft	Diameter: 2.25 inches	Volume: 0.75 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 50.38 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3703.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3684.00	
Shut In Tool	5.00			3689.00	
Hydraulic tool	5.00			3694.00	
Packer	5.00			3699.00	20.00 Bottom Of Top Packer
Packer	4.00			3703.00	
Stubb	1.00			3704.00	
Recorder	0.00	6772	Inside	3704.00	
Perforations	3.00			3707.00	
Change Over Sub	1.00			3708.00	
Drill Pipe	30.00			3738.00	
Change Over Sub	1.00			3739.00	
Recorder	0.00	7437	Outside	3739.00	
Bullnose	5.00			3744.00	41.00 Bottom Packers & Anchor

Total Tool Length: 61.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Imperial American Operating Inc

Mavis 26-3

900 NTyler Rd #14
Wichita KS 67212

26 14S 20W Ellis KS

Job Ticket: 23110

DST#: 1

ATTN: Randy Kilian

Test Start: 2006.07.10 @ 20:53:10

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	OCM 30%O 70%M	0.300
61.00	OCM 40%O 60%M	0.300
40.00	MCO 90%O 10%M	0.288

Total Length: 162.00 ft

Total Volume: 0.888 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

CHART PAGE

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

