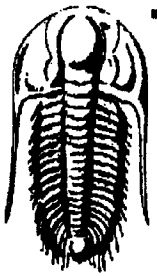


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Chesapeake Operating Inc.**

PO Box 18496
Oklahoma City,OK 73154-0496

ATTN: Wes Hansen

3-32s-39w Stevens KS

MLP Gillespie #A-5

Start Date: 2002.03.06 @ 11:45:00

End Date: 2002.03.06 @ 22:28:30

Job Ticket #: 15042 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Chesapeake Operating Inc.

PO Box 18496
Oklahoma City,OK 73154-0496

ATTN: Wes Hansen

MLP Gillespie #A-5

3-32s-39w Stevens KS

Job Ticket: 15042 **DST#: 1**

Test Start: 2002.03.06 @ 11:45:00

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:05:00
Time Test Ended: 22:28:30

Test Type: Conventional Bottom Hole
Tester: Rod Steinbrink
Unit No: 22

Interval: 5782.00 ft (KB) To 5850.00 ft (KB) (TVD)
Total Depth: 5850.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

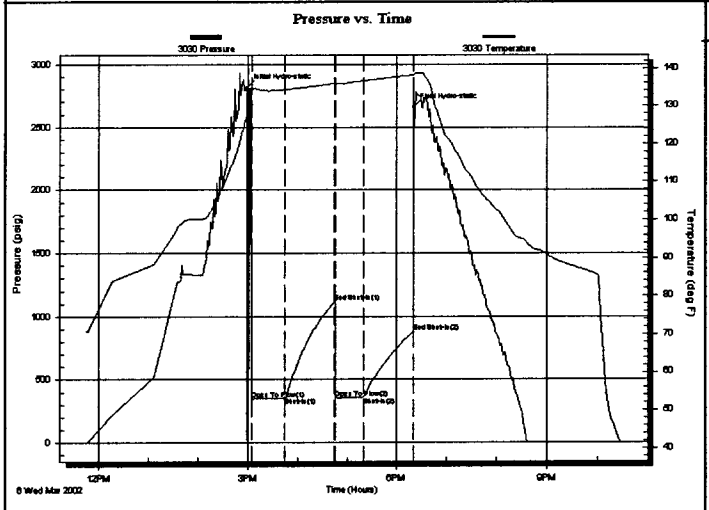
Reference Elevations: 3239.00 ft (KB)
3226.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 3030 **Inside**

Press@RunDepth: 356.83 psig @ 5783.00 ft (KB)
Start Date: 2002.03.06 End Date: 2002.03.06
Start Time: 11:45:05 End Time: 22:28:30

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2002.03.06 @ 14:58:45
Time Off Btm: 2002.03.06 @ 18:19:59

TEST COMMENT: IF; Weak blow 5 mins -losing fluid on back / unseated packers - reset w/weak blow diying in 15 mins.
ISI; No blow
FF; No return blow
FSI; No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2814.49	127.34	Initial Hydro-static
7	341.43	134.01	Open To Flow (1)
46	355.64	134.26	Shut-In(1)
107	1112.79	135.89	End Shut-In(1)
108	348.31	135.90	Open To Flow (2)
141	356.83	136.58	Shut-In(2)
201	878.14	138.13	End Shut-In(2)
202	2657.03	138.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
680.00	Drlg. Mud	4.44

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chesapeake Operating Inc.

PO Box 18496
Oklahoma City,OK 73154-0496

ATTN: Wes Hansen

MLP Gillespie #A-5

3-32s-39w Stevens KS

Job Ticket: 15042 **DST#: 1**

Test Start: 2002.03.06 @ 11:45:00

Tool Information

Drill Pipe:	Length:	5207.00 ft	Diameter:	3.80 inches	Volume:	73.04 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	560.00 ft	Diameter:	2.25 inches	Volume:	2.75 bbl	
					Total Volume:	75.79 bbl	

Drill Pipe Above KB:	12.00 ft
Depth to Top Packer:	5782.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	68.00 ft
Tool Length:	95.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	1800.00 lb
Weight set on Packer:	30000.00 lb
Weight to Pull Loose:	15000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	100000.0 lb
Final	100000.0 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
S.I. Tool	5.00			5760.00		
HMV	5.00			5765.00		
Jars	5.00			5770.00		
Safety Joint	2.00			5772.00		
Packer	5.00			5777.00	27.00	Bottom Of Top Packer
Packer	5.00			5782.00		
Stubb	1.00			5783.00		
Recorder	0.00	3030	Inside	5783.00		
Perforations	29.00			5812.00		
C.O. Sub	1.00			5813.00		
Anchor	31.00			5844.00		
C.O. Sub	1.00			5845.00		
Recorder	0.00	13371	Outside	5845.00		
Bullnose	5.00			5850.00	68.00	Bottom Packers & Anchor
Total Tool Length:	**95.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Chesapeake Operating Inc.

PO Box 18496
Oklahoma City,OK 73154-0496

ATTN: Wes Hansen

MLP Gillespie #A-5

3-32s-39w Stevens KS

Job Ticket: 15042 **DST#: 1**

Test Start: 2002.03.06 @ 11:45:00

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:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1200.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

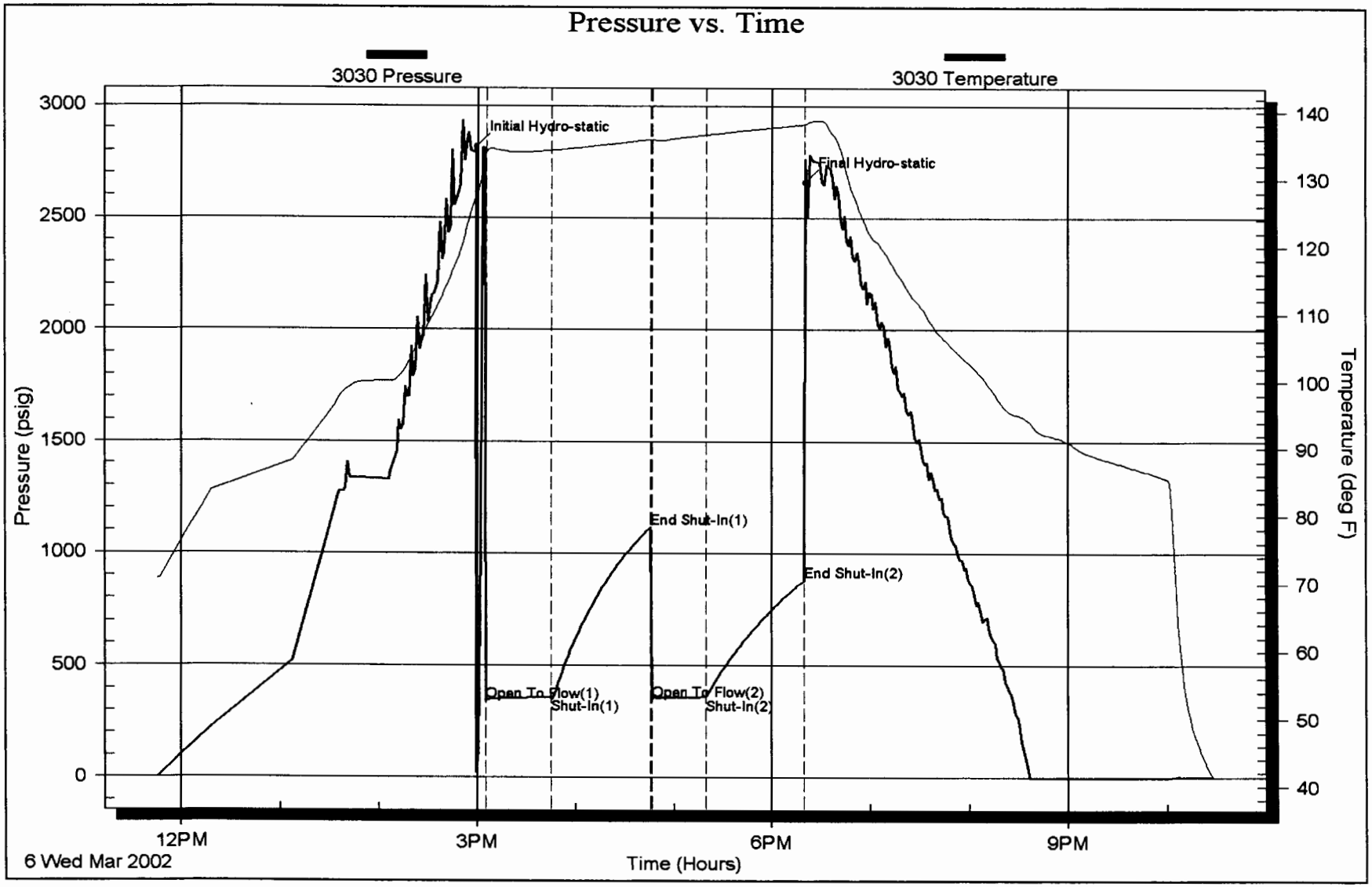
Length ft	Description	Volume bbl
680.00	Drlg. Mud	4.437

Total Length: 680.00 ft Total Volume: 4.437 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
3030 Pressure
3030 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
Time (Hours)
6 Wed Mar 2002
12PM
3PM
6PM
9PM
3000
2500
2000
1500
1000
500
0
140
130
120
110
100
90
80
70
60
50
40

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 15042

Test Ticket

Well Name & No. MLP Gillespie #A-5 Test No. 1 Date 3-6-02

Company Chesapeake Operating, Inc. Zone Tested Morrow

Address _____ Elevation 3239 KB 3226 GL

Co. Rep / Geo. Wes Hansen Cont. Allen #5 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 3 Twp. 32S Rge. 39W Co. Stevens State KS.

No. of Copies ____ Distribution Sheet (Y, N) ____ Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 5782 - 5850 Initial Str Wt./Lbs. 100,000 Unseated Str Wt./Lbs. 100,000

Anchor Length 68' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 150,000

Top Packer Depth 5777 Tool Weight 1,800

Bottom Packer Depth 5782 Hole Size — 7 7/8" Rubber Size — 6 3/4"

Total Depth 5850 Wt. Pipe Run — Drill Collar Run 560'

Mud Wt. 9.1 LCM 4# Vis. 51 WL 8.4 Drill Pipe Size 4½" Ft. Run 5207'

Blow Description IF: Weak blow in 5 mins - losing fluid on back - unseated packers - reset w/ weak blow dying in 15 mins.

ISI: No blow. FF: No return blow

FSI: No blow.

Recovery — Total Feet 680' GIP — Ft. in DC 560' Ft. in DP 120'

Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. 680'	Feet Of Drlg Mud	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

BHT 138° °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 1200 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		2792	PSI	Recorder No.	3030	T-On Location	0830
(B) First Initial Flow Pressure		341	PSI	(depth)	5783	T-Started	1145
(C) First Final Flow Pressure		355	PSI	Recorder No.	13371	T-Open	1505 (3:58)
(D) Initial Shut-In Pressure		1112	PSI	(depth)	5845	T-Pulled	1819
(E) Second Initial Flow Pressure		348	PSI	Recorder No.		T-Out	2228
(F) Second Final Flow Pressure		358	PSI	(depth)		T-Off Location	2330
(G) Final Shut-in Pressure		878	PSI	Initial Opening	40	Test	900
(Q) Final Hydrostatic Mud		2758	PSI	Initial Shut-in	60	Jars	X 200
				Final Flow	30	Safety Joint	X 50
				Final Shut-in	60	Straddle	
						Circ. Sub	X N/C
						Sampler	
						Extra Packer	
						Elec. Rec.	X 150
						Mileage	114 21
						Other	4 hrs 120
						TOTAL PRICE $	1441

Approved By Wesley Hansen

Our Representative Rod Steinbrink

CHART PAGE

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