

DRILL STEM TEST REPORT

Prepared For: **Chesapeake Operating Inc**

PO Box 18496
Oklahoma City OK 73154

ATTN: Wes Hansen

35-29-34

MLP Clawson Trust#4-35

Start Date: 2001.10.24 @ 08:34:14

End Date: 2001.10.24 @ 15:03:29

Job Ticket #: 13442 DST #: 1

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



TRILOBITE TESTING, INC.

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Chesapeake Operating Inc

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PO Box 18496
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Test Start: 2001.10.24 @ 08:34:14

GENERAL INFORMATION:

Formation: **Chester Snd**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:35:59

Time Test Ended: 15:03:29

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 20

Interval: **5366.00 ft (KB) To 5415.00 ft (KB) (TVD)**

Reference Elevations: 2943.00 ft (KB)

Total Depth: 5415.00 ft (KB) (TVD)

2932.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 3027 Inside

Press@RunDepth: psig @ 5368.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2001.10.24 End Date: 2001.10.24

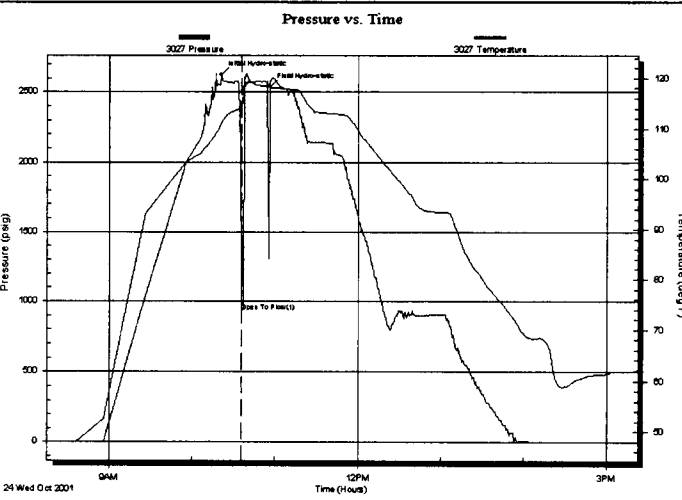
Last Calib.: 1899.12.30

Start Time: 08:34:16 End Time: 15:03:29

Time On Btm: 2001.10.24 @ 10:21:14

Time Off Btm: 2001.10.24 @ 10:56:29

TEST COMMENT: Misrun Packer failure



PRESSURE SUMMARY

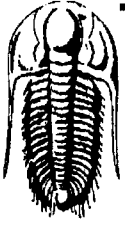
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2625.01	111.07	Initial Hydro-static
15	927.48	114.72	Open To Flow (1)
36	2536.85	119.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1230.00	100% Mud	6.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

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TOOL DIAGRAM

Chesapeake Operating Inc
 PO Box 18496
 Oklahoma City OK 73154
 ATTN: Wes Hansen

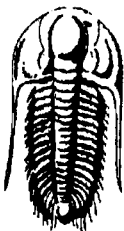
MLP Clawson Trust#4-35
35-29-34
 Job Ticket: 13442 **DST#: 1**
 Test Start: 2001.10.24 @ 08:34:14

Tool Information

Drill Pipe:	Length: 586.00 ft	Diameter: 3.80 inches	Volume: 8.22 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 4785.00 ft	Diameter: 2.25 inches	Volume: 23.53 bbl	Weight to Pull Loose: 116000.0 lb
			<u>Total Volume: 31.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 110000.0 lb
Depth to Top Packer:	5366.00 ft			Final 116000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	76.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5340.00	
S.I. Tool	5.00			5345.00	
HMV	5.00			5350.00	
Jars	5.00			5355.00	
Safety Joint	2.00			5357.00	
Packer	5.00			5362.00	27.00 Bottom Of Top Packer
Packer	4.00			5366.00	
Stubb	1.00			5367.00	
Perforations	1.00			5368.00	
Recorder	0.00	3027	Inside	5368.00	
Perforations	10.00			5378.00	
C.O. Sub	1.00			5379.00	
Blank Spacing	31.00			5410.00	
C.O. Sub	1.00			5411.00	
Perforations	2.00			5413.00	
Recorder	0.00	11019	Outside	5413.00	
Bullnose	2.00			5415.00	49.00 Bottom Packers & Anchor
Total Tool Length:	76.00				

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		FLUID SUMMARY
	Chesapeake Operating Inc	MLP Clawson Trust#4-35	
PO Box 18496 Oklahoma City OK 73154	35-29-34		
ATTN: Wes Hansen	Job Ticket: 13442	DST#: 1	
	Test Start: 2001.10.24 @ 08:34:14		

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: 37.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

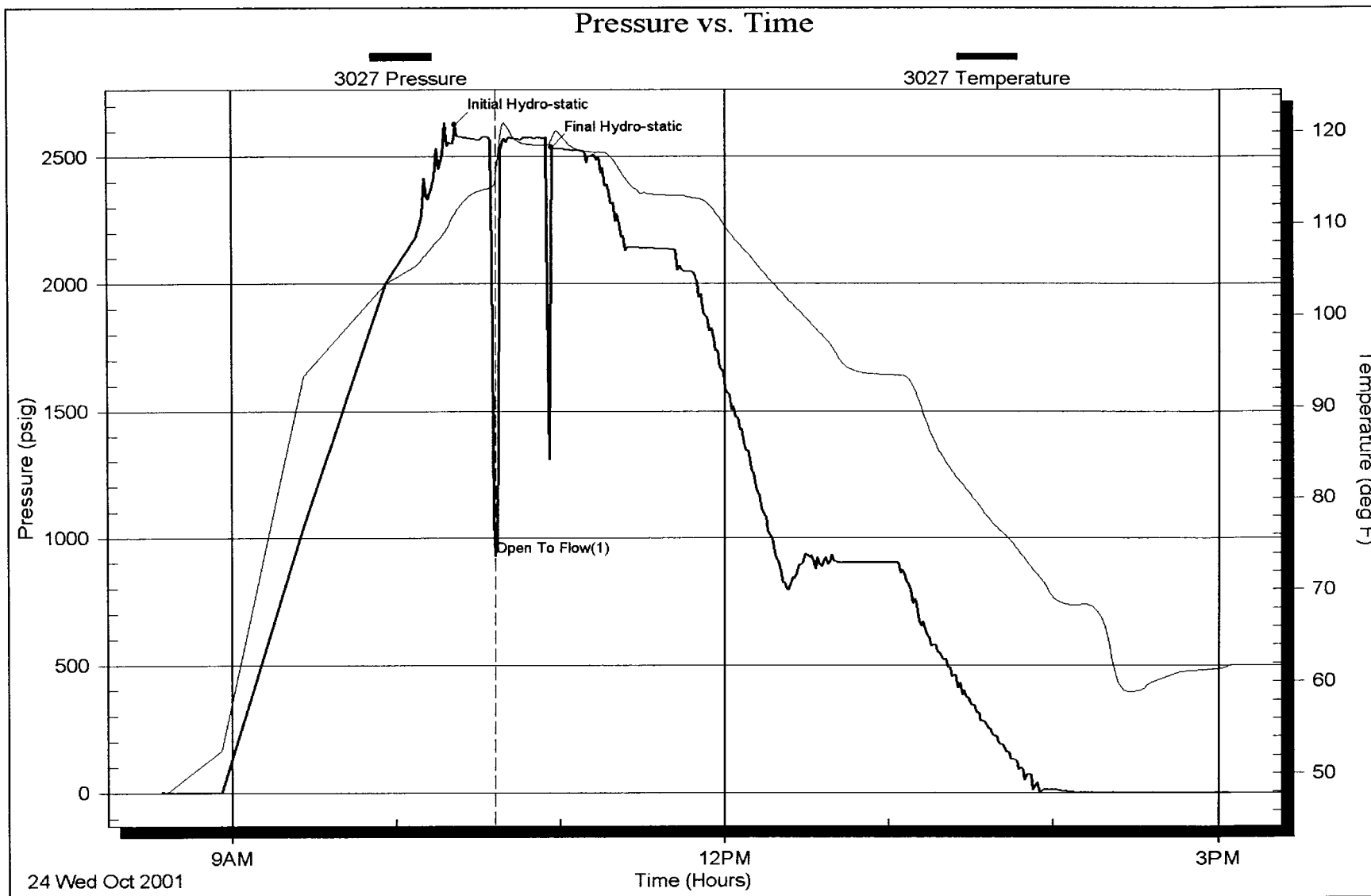
Length ft	Description	Volume bbl
1230.00	100% Mud	6.049

Total Length: 1230.00 ft Total Volume: 6.049 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 13442

Test Ticket

Well Name & No.	<u>MLP Clawson Trust #4-35</u>	Test No.	<u>1</u>	Date	<u>10-24-01</u>
Company	<u>Chesapeake Operating Inc</u>	Zone Tested	<u>CHESTER Snd</u>		
Address	<u>P.O. Box 18496 Oklahoma City OK 73154</u>	Elevation	<u>2943</u>	KB	<u>2932</u> GL
Co. Rep / Geo.	<u>WES Hansen</u>	Cont.	<u>Murkin #22</u>	Est. Ft. of Pay	Por. %
Location: Sec.	<u>35</u>	Twp.	<u>29</u>	Rge.	<u>24</u>
		Co.	<u>Haskell</u>	State	<u>KS</u>
No. of Copies	Distribution Sheet (Y, N)	Turnkey (Y, N)	Evaluation (Y, N)		

Interval Tested	<u>5366' - 5415'</u>	Initial Str Wt./Lbs.	Unseated Str Wt./Lbs.
Anchor Length	<u>49'</u>	Wt. Set Lbs.	<u>20000</u>
Top Packer Depth	<u>5361'</u>	Tool Weight	<u>1800</u>
Bottom Packer Depth	<u>5366'</u>	Hole Size — 7 7/8"	<input checked="" type="checkbox"/>
Total Depth	<u>5415'</u>	Rubber Size — 6 3/4"	<input checked="" type="checkbox"/>
Mud Wt.	<u>9.1</u> LCM <u>2</u> Vis. <u>37</u> WL <u>9.6</u>	Wt. Pipe Run	<u>N/A</u>
Blow Description	<u>27. MISRUN (PACKER FAILURE)</u>	Drill Collar Run	<u>586'</u>
		Drill Pipe Size	<u>4.5x-0</u>
		Ft. Run	<u>4785'</u>

DST
27
DST

Recovery — Total Feet	<u>1230'</u>	GIP	Ft. in DC	Ft. in DP
Rec.	<u>1230'</u>	Feet Of	%gas	%oil
			%water	<u>100</u> %mud
Rec.		Feet Of	%gas	%oil
			%water	%mud
Rec.		Feet Of	%gas	%oil
			%water	%mud
Rec.		Feet Of	%gas	%oil
			%water	%mud
BHT	°F Gravity	°API D@	°F Corrected Gravity	°API
RW	@	°F Chlorides	ppm Recovery	Chlorides <u>1000</u> ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	PSI	Recorder No.	<u>3027</u>	T-On Location	<u>07:00</u>
(B) First Initial Flow Pressure		<u>2625</u>	PSI	(depth)	<u>5368'</u>	T-Started	<u>08:15</u>
(C) First Final Flow Pressure		<u>927</u>	PSI	Recorder No.	<u>11019</u>	T-Open	<u>10:28</u>
(D) Initial Shut-In Pressure			PSI	(depth)	<u>5413'</u>	T-Pulled	<u>10:47</u>
(E) Second Initial Flow Pressure			PSI	Recorder No.		T-Out	<u>12:30</u>
(F) Second Final Flow Pressure			PSI	(depth)		T-Off Location	
(G) Final Shut-in Pressure			PSI	Initial Opening		Test	<input checked="" type="checkbox"/> <u>Conventional 700</u>
(Q) Final Hydrostatic Mud		<u>2536</u>	PSI	Initial Shut-in		Jars	<input checked="" type="checkbox"/> <u>200</u>
				Final Flow		Safety Joint	<input checked="" type="checkbox"/> <u>50</u>
				Final Shut-in		Straddle	
						Circ. Sub	
						Sampler	
						Extra Packer	
						Elec. Rec.	<input checked="" type="checkbox"/> <u>150</u>
						Mileage	<input checked="" type="checkbox"/> <u>\$35.00</u>
						Other	

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Approved By Wesley Hansen

Our Representative Brian Wallace

700 ft

TOTAL PRICE \$ 4185.00
1135.00

CHART PAGE

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

