

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33922
Name: Mustang Energy Corporation
Address 1: PO Box 1121
Address 2:
City: Hays State: KS Zip: 67601 +
Contact Person: Rodney Brin
Phone: (785) 623-0533
CONTRACTOR: License # 33575
Name: WW Drilling
Wellsite Geologist: Herb Deines
Purchaser: KCC WICHITA

API No. 15 - 15-065-23734-00-00
Spot Description:
N/2 N/2 N/2 Sec. 3 Twp. 8 S. R. 21 East West
330 Feet from North / South Line of Section
2,640 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Graham
Lease Name: Alexander-Thomas Unit Well #: 1
Field Name: Kenyon Northeast
Producing Formation:
Elevation: Ground: 1996 Kelly Bushing: 2001
Total Depth: 3568 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: None Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: Conductor Pipe set @ 49' Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.):

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: Plug Back Total Depth
 Commingled Permit #:
 Dual Completion Permit #:
 SWD Permit #:
 ENHR Permit #:
 GSW Permit #:
4-18-11 4-23-11 4-23-11
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: ppm Fluid volume: bbls
Dewatering method used:
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. East West
County: Permit #:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Rodney J. Brin
Title: Owner Date: 8-23-11

KCC Office Use ONLY

Letter of Confidentiality Received
Date:
 Confidential Release Date:
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: P&A Dg Date: 8/25/11

Operator Name: Mustang Energy Corporation Lease Name: Alexander-Thomas Unit Well #: 1
 Sec. 3 Twp. 8 S. R. 21 East West County: Graham

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1610	+391
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3003	-1002
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3220	-1219
List All E. Logs Run:		LKC	3258	-1257
Micro, Dual Induction, Compensated Density/Neutron Log		BKC	3458	-1457
		Arbuckle	3536	-1535

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor		13-3/8		49'	Common	50	3%CC 2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Plug Well	60/40 Poz	235	4% Gel 1/4# per sx flo seal

Shots Per Foot	PERFORATION RECORD - Bridge Plugs ^{See Type} Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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KCC WICHITA

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input checked="" type="checkbox"/> Other <i>(Specify)</i> <u>Plugged</u>	PRODUCTION INTERVAL: _____ _____
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WW Drilling, LLC
WaKeeney, KS
Well Plugging Orders

Operator: Mustang Energy Corporation License # 33922
Address: PO Box 1121, Hays Kansas 67601-9704

API # 15-065-23734-00-00

Lease Name: Alexander-Thomas Unit #1
Legals: 330'FNL & 2640"FEL Sec.3-8s-21w
County: Graham
State: Kansas

Plug #	Sx.	Feet
1st	<u>25</u>	<u>@ 3516'</u>
2nd	<u>25</u>	<u>@ 1610'</u>
3rd	<u>100</u>	<u>@ 760'</u>
4th	<u>40</u>	<u>@ 90'</u>
5th	<u>15</u>	<u>@ 40'W/13 3/8Wiper</u>
Rathole	<u>30</u>	
Mousehole		

Total: 235

Type: 60/40 Poz - 4% Gel - 1/4 # per sx flo-seal

Spud Report: Marvin Mills Date: 4/18/2011 Time: 9:00AM

Orders From: David Wann Date: 4/20/2011 Time: 8:15 AM

Reported to: Pat Staab Date: 4/24/2011 Time: 9:15 AM

Results: D&A

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QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5068

Date	4-18-11	Sec.	3	Twp.	8	Range	21	County	Grady	State	Kansas	On Location		Finish	4-18-11
Lease	Alexander-Thomas			Well No.	1			Location	Nedman 2W 14th						
Contractor	W.W. Driller							Owner	To Quality Oilwell Cementing, Inc.						
Type Job	133 Conductors							You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	17 1/2		T.D.	49		Charge To	Mustang Energy Corp.								
Csg.	133		Depth	49		Street									
Tbg. Size			Depth			City	State								
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	10-15		Shoe Joint			Cement Amount Ordered	30 Cement								
Meas Line			Displace												

EQUIPMENT

Pumptrk	9	No.	Cementer		Common
			Helper		
Bulktrk	8	No.	Driver		Poz. Mix
			Driver		
Bulktrk		No.	Driver		Gel.
			Driver		

JOB SERVICES & REMARKS

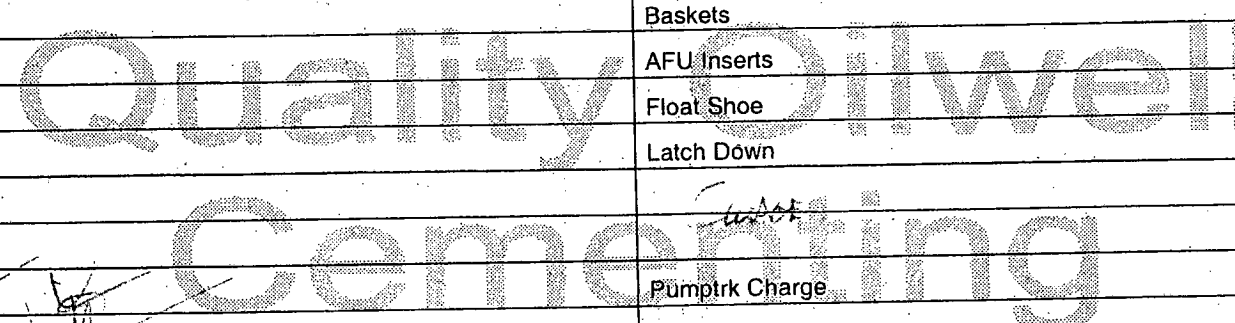
Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38

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Sand
Handling
Mileage

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down



Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

X Signature *Mark B...*

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5001

Date	11/24/11	Sec.	3	Twp.	8	Range	21	County	Graham	State	KS	On Location		Finish	1:00 AM
Lease	Alexander-Thom			Well No.	Unit #1			Location Nicodemus, 2W, S into							
Contractor	WW Drilling Rig #6			Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Type Job	PTA			Charge To Mustang Energy Corp.											
Hole Size	7 3/8"			T.D.			3563								
Csg.				Depth			Street								
Tbg. Size				Depth			City								
Tool				Depth			State								
Cement Left in Csg.				Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line				Displace			Cement Amount Ordered 235 x 60/40 40/ogel 1/2 float								

EQUIPMENT

Pumptrk	9	No.	Cementer		Common
			Helper	Paul	
Bulktrk	10	No.	Driver	Rocky	Poz. Mix
			Driver		
Bulktrk	PV	No.	Driver	Matt	Gel.
			Driver		

JOB SERVICES & REMARKS

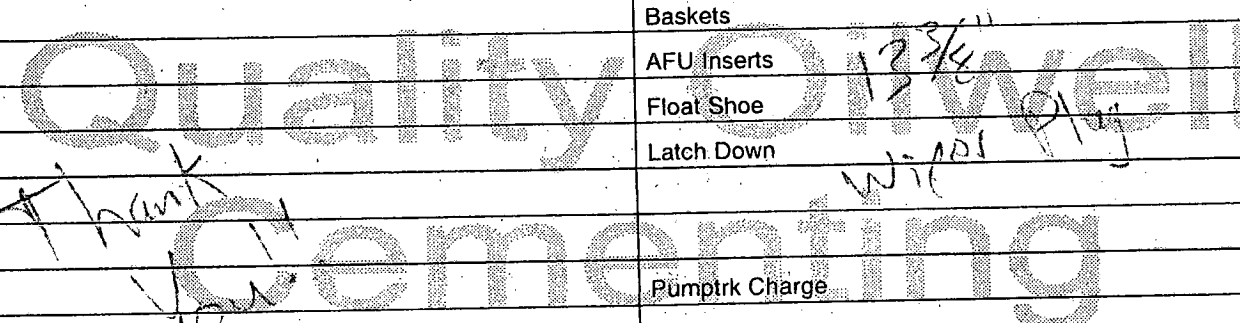
Remarks:	Calcium
Rat Hole	Hulls
30 x	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
3516 - 25 x	Sand
1610' - 25 x	Handling
760' - 100 x	Mileage
90' - 40 x	
40' - 15 x	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	12 3/4"
Float Shoe	
Latch Down	Wichita

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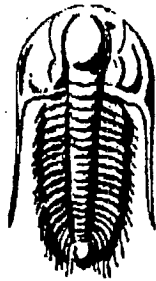
KCC WICHITA



Thank You

Pumptrk Charge		Tax	
Mileage		Discount	
		Total Charge	

X Signature Mae Bego



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Mustang Energy Corporation**

PO Box 1121
Hays KS 67601-9704

ATTN: Rodney Brin

3-8s-21w Graham,KS

Alexander-Thomas Unit #1

Start Date: 2011.04.21 @ 17:05:31

End Date: 2011.04.21 @ 21:06:56

Job Ticket #: 42768 DST #: 1

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KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mustang Energy Corporation

Alexander-Thomas Unit #1

PO Box 1121
Hays KS 67601-9704

3-8s-21w Graham,KS

Job Ticket: 42768 DST#: 1

ATTN: Rodney Brin

Test Start: 2011.04.21 @ 17:05:31

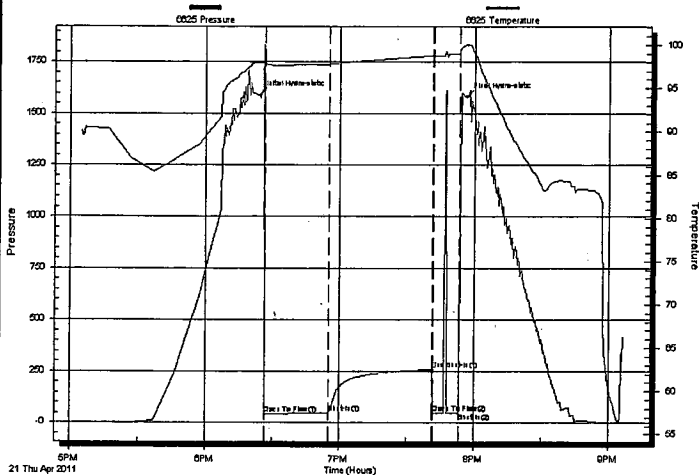
GENERAL INFORMATION:

Formation: LKC C-D	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (KB)	Tester: Ray Schwager
Time Tool Opened: 18:26:56	Unit No: 42
Time Test Ended: 21:06:56	Reference Elevations: 2001.00 ft (KB)
Interval: 3268.00 ft (KB) To 3305.00 ft (KB) (TVD)	1996.00 ft (CF)
Total Depth: 3305.00 ft (KB) (TVD)	KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair

Serial #: 6625 Inside	Capacity: 8000.00 psig
Press@RunDepth: 49.54 psig @ 3273.00 ft (KB)	Last Calib.: 2011.04.21
Start Date: 2011.04.21 End Date: 2011.04.21	Time On Btm: 2011.04.21 @ 18:23:55
Start Time: 17:05:00 End Time: 21:06:25	Time Off Btm: 2011.04.21 @ 19:56:25

TEST COMMENT: IFP-w k bl 2"bl
ISIP-no bl
FFP-no bl, flushed tool
pull tool

Pressure vs. Time



PRESSURE SUMMARY

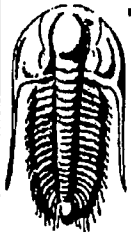
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1589.39	97.98	Initial Hydro-static
3	43.81	97.85	Open To Flow (1)
32	49.54	97.81	Shut-In(1)
78	259.15	98.80	End Shut-In(1)
78	49.81	98.76	Open To Flow (2)
90	52.17	99.05	Shut-In(2)
93	1580.56	100.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud w/show of oil	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mustang Energy Corporation

Alexander-Thomas Unit #1

PO Box 1121
Hays KS 67601-9704

3-8s-21w Graham,KS

Job Ticket: 42768 DST#: 1

ATTN: Rodney Brin

Test Start: 2011.04.21 @ 17:05:31

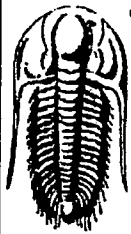
Tool Information

Drill Pipe:	Length: 3152.00 ft	Diameter: 3.80 inches	Volume: 44.21 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 44.80 bbl</u>	Tool Chased 7.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3268.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3248.00	
Shut In Tool	5.00			3253.00	
Hydraulic tool	5.00			3258.00	
Packer	5.00			3263.00	21.00 Bottom Of Top Packer
Packer	5.00			3268.00	
Stubb	1.00			3269.00	
Perforations	4.00			3273.00	
Recorder	0.00	6625	Inside	3273.00	
Recorder	0.00	8700	Outside	3273.00	
Perforations	29.00			3302.00	
Bullnose	3.00			3305.00	37.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mustang Energy Corporation

Alexander-Thomas Unit #1

PO Box 1121
Hays KS 67601-9704

3-8s-21w Graham,KS

Job Ticket: 42768 DST#: 1

ATTN: Rodney Brin

Test Start: 2011.04.21 @ 17:05:31

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: 64.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.90 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud w/show of oil	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

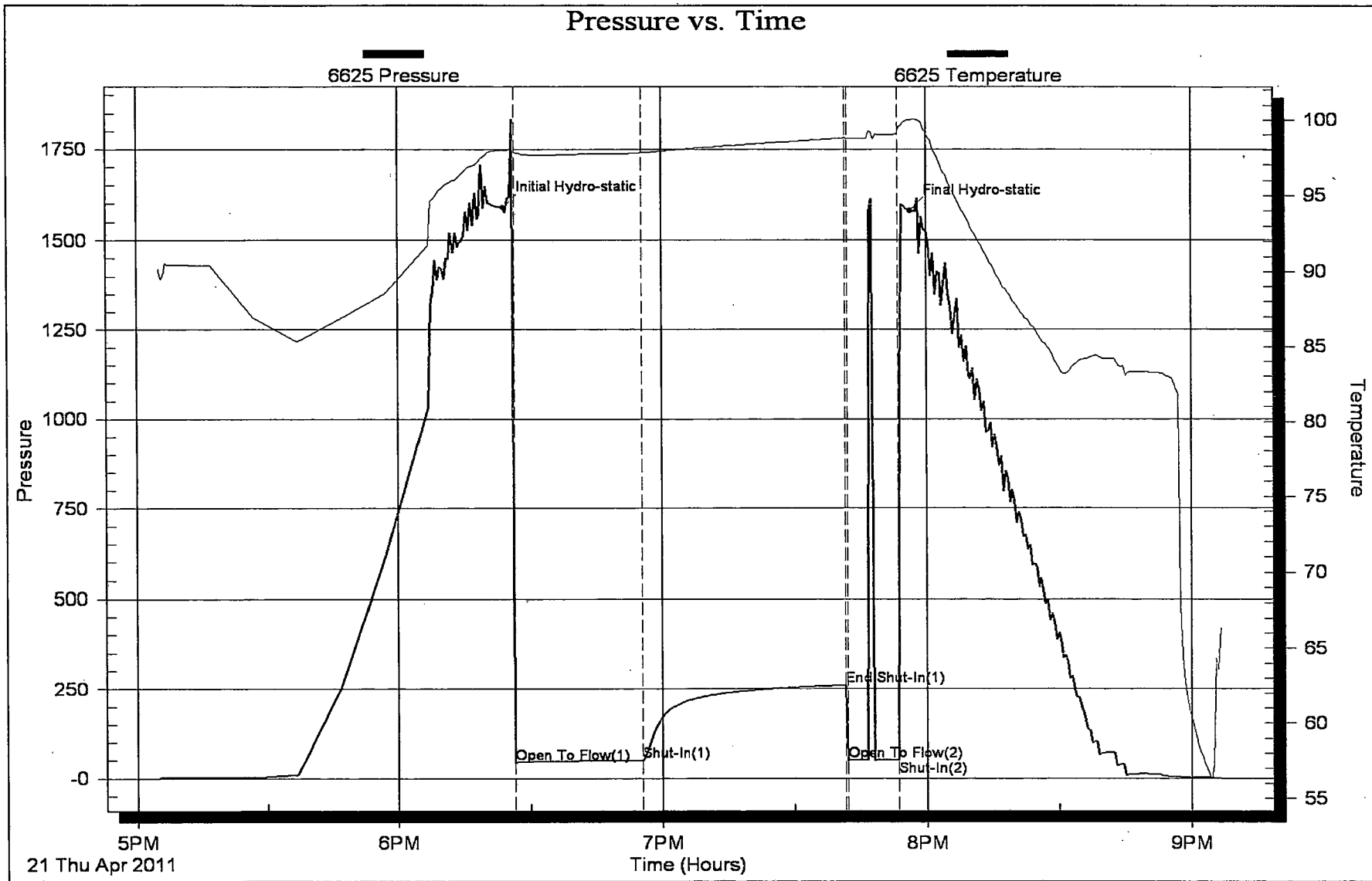
Num Gas Bombs: 0

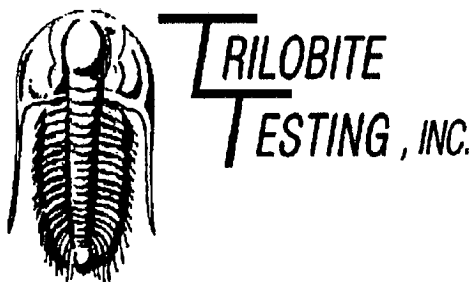
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: slid tool approx 7'to bottom





DRILL STEM TEST REPORT

Prepared For: **Mustang Energy Corporation**

PO Box 1121
Hays KS 67601-9704

ATTN: Rodney Brin

3-8s-21w Graham,KS

Alexander-Thomas Unit #1

Start Date: 2011.04.22 @ 02:30:49

End Date: 2011.04.22 @ 06:47:13

Job Ticket #: 42769 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mustang Energy Corporation

PO Box 1121
Hays KS 67601-9704

ATTN: Rodney Brin

Alexander-Thomas Unit #1

3-8s-21w Graham,KS

Job Ticket: 42769

DST#: 2

Test Start: 2011.04.22 @ 02:30:49

GENERAL INFORMATION:

Formation: **LKC E-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:59:44

Time Test Ended: 06:47:13

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3303.00 ft (KB) To 3330.00 ft (KB) (TVD)**

Total Depth: 3330.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2001.00 ft (KB)

1996.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: 17.15 psig @ 3307.00 ft (KB)

Start Date: 2011.04.22

End Date:

2011.04.22

Start Time: 02:30:00

End Time:

06:46:24

Capacity: 8000.00 psig

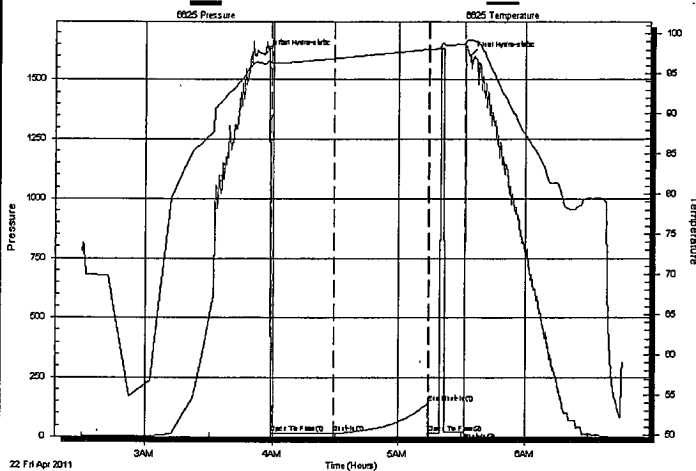
Last Calib.: 2011.04.22

Time On Btm: 2011.04.22 @ 03:55:55

Time Off Btm: 2011.04.22 @ 05:33:25

TEST COMMENT: IFP-surface bl, died in 15min
ISIP-no bl bk
FFP-no bl, flushed tool
pull tool

Pressure vs. Time



PRESSURE SUMMARY

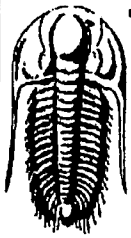
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1606.77	96.28	Initial Hydro-static
3	16.28	96.36	Open To Flow (1)
33	17.15	96.91	Shut-In(1)
78	143.18	98.09	End Shut-In(1)
79	16.47	98.07	Open To Flow (2)
95	18.75	98.69	Shut-In(2)
98	1601.69	99.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mustang Energy Corporation

Alexander-Thomas Unit #1

PO Box 1121
Hays KS 67601-9704

3-8s-21w Graham,KS

Job Ticket: 42769

DST#: 2

ATTN: Rodney Brin

Test Start: 2011.04.22 @ 02:30:49

Tool Information

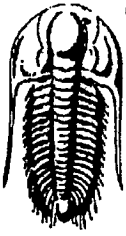
Drill Pipe:	Length: 3187.00 ft	Diameter: 3.80 inches	Volume: 44.71 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 45.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3303.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3283.00	
Shut In Tool	5.00			3288.00	
Hydraulic tool	5.00			3293.00	
Packer	5.00			3298.00	21.00 Bottom Of Top Packer
Packer	5.00			3303.00	
Stubb	1.00			3304.00	
Perforations	3.00			3307.00	
Recorder	0.00	6625	Inside	3307.00	
Recorder	0.00	8700	Outside	3307.00	
Perforations	20.00			3327.00	
Bullnose	3.00			3330.00	27.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mustang Energy Corporation

Alexander-Thomas Unit #1

PO Box 1121
Hays KS 67601-9704

3-8s-21w Graham,KS

Job Ticket: 42769 **DST#: 2**

ATTN: Rodney Brin

Test Start: 2011.04.22 @ 02:30:49

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: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.89 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

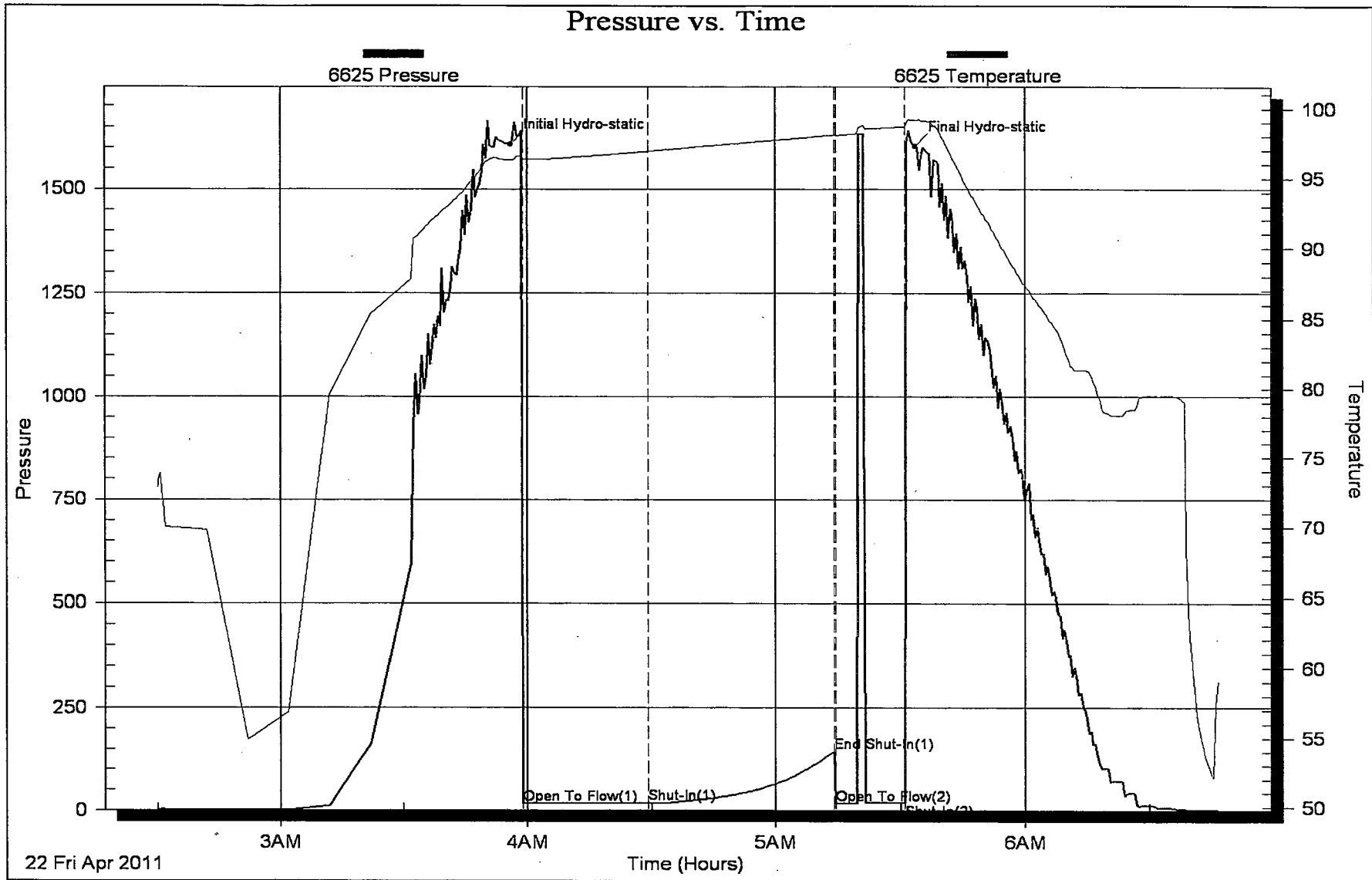
Num Gas Bombs: 0

Serial#:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Mustang Energy Corporation**

PO Box 1121
Hays KS 67601-9704

ATTN: Rodney Brin

3-8s-21w Graham,KS

Alexander-Thomas Unit #1

Start Date: 2011.04.22 @ 20:15:00

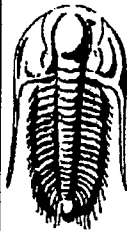
End Date: 2011.04.23 @ 00:34:54

Job Ticket #: 42770 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mustang Energy Corporation

PO Box 1121
Hays KS 67601-9704

ATTN: Rodney Brin

Alexander-Thomas Unit #1

3-8s-21w Graham, KS

Job Ticket: 42770

DST#: 3

Test Start: 2011.04.22 @ 20:15:00

GENERAL INFORMATION:

Formation: LKC H-K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:39:55

Time Test Ended: 00:34:54

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: 3346.00 ft (KB) To 3430.00 ft (KB) (TVD)

Total Depth: 3430.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2001.00 ft (KB)

1996.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: 27.85 psig @ 3350.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.04.22

End Date:

2011.04.23

Last Calib.: 2011.04.23

Start Time: 20:15:00

End Time:

00:34:54

Time On Btm: 2011.04.22 @ 21:37:25

Time Off Btm: 2011.04.22 @ 23:15:25

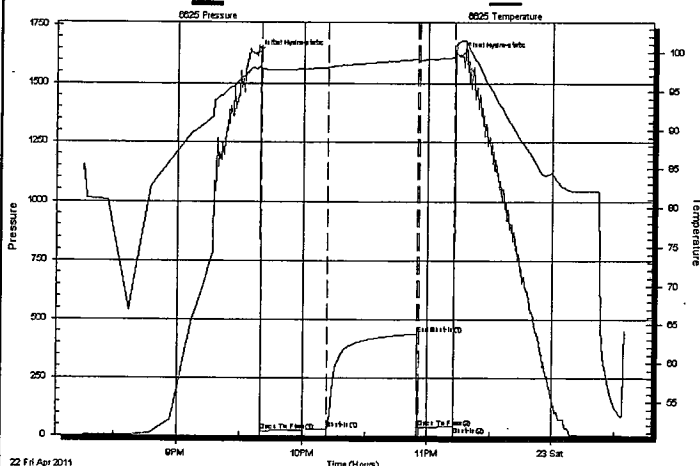
TEST COMMENT: IFP-w k bl 1/4"to 1/2"bl

ISIP-no bl

FFP-no bl

pull tool

Pressure vs. Time



PRESSURE SUMMARY

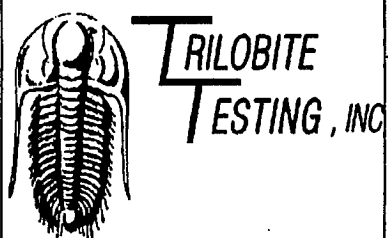
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1627.26	97.95	Initial Hydro-static
3	18.96	97.94	Open To Flow (1)
34	27.85	98.08	Shut-In(1)
78	437.88	99.15	End Shut-In(1)
78	35.48	99.01	Open To Flow (2)
95	40.55	99.37	Shut-In(2)
98	1618.39	101.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.10

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Mustang Energy Corporation
 PO Box 1121
 Hays KS 67601-9704
 ATTN: Rodney Brin

Alexander-Thomas Unit #1
 3-8s-21w Graham,KS
 Job Ticket: 42770 DST#: 3
 Test Start: 2011.04.22 @ 20:15:00

Tool Information

Drill Pipe:	Length: 3219.00 ft	Diameter: 3.80 inches	Volume: 45.15 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 2500.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 45.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3346.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	105.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3326.00	
Shut In Tool	5.00			3331.00	
Hydraulic tool	5.00			3336.00	
Packer	5.00			3341.00	21.00 Bottom Of Top Packer
Packer	5.00			3346.00	
Stubb	1.00			3347.00	
Perforations	3.00			3350.00	
Recorder	0.00	6625	Inside	3350.00	
Recorder	0.00	8700	Outside	3350.00	
Blank Spacing	63.00			3413.00	
Perforations	14.00			3427.00	
Bullnose	3.00			3430.00	84.00 Bottom Packers & Anchor

Total Tool Length: 105.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mustang Energy Corporation

Alexander-Thomas Unit #1

PO Box 1121
Hays KS 67601-9704

3-8s-21w Graham,KS

Job Ticket: 42770 DST#: 3

ATTN: Rodney Brin

Test Start: 2011.04.22 @ 20:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salfinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.89 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	Mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbf

Num Fluid Samples: 0

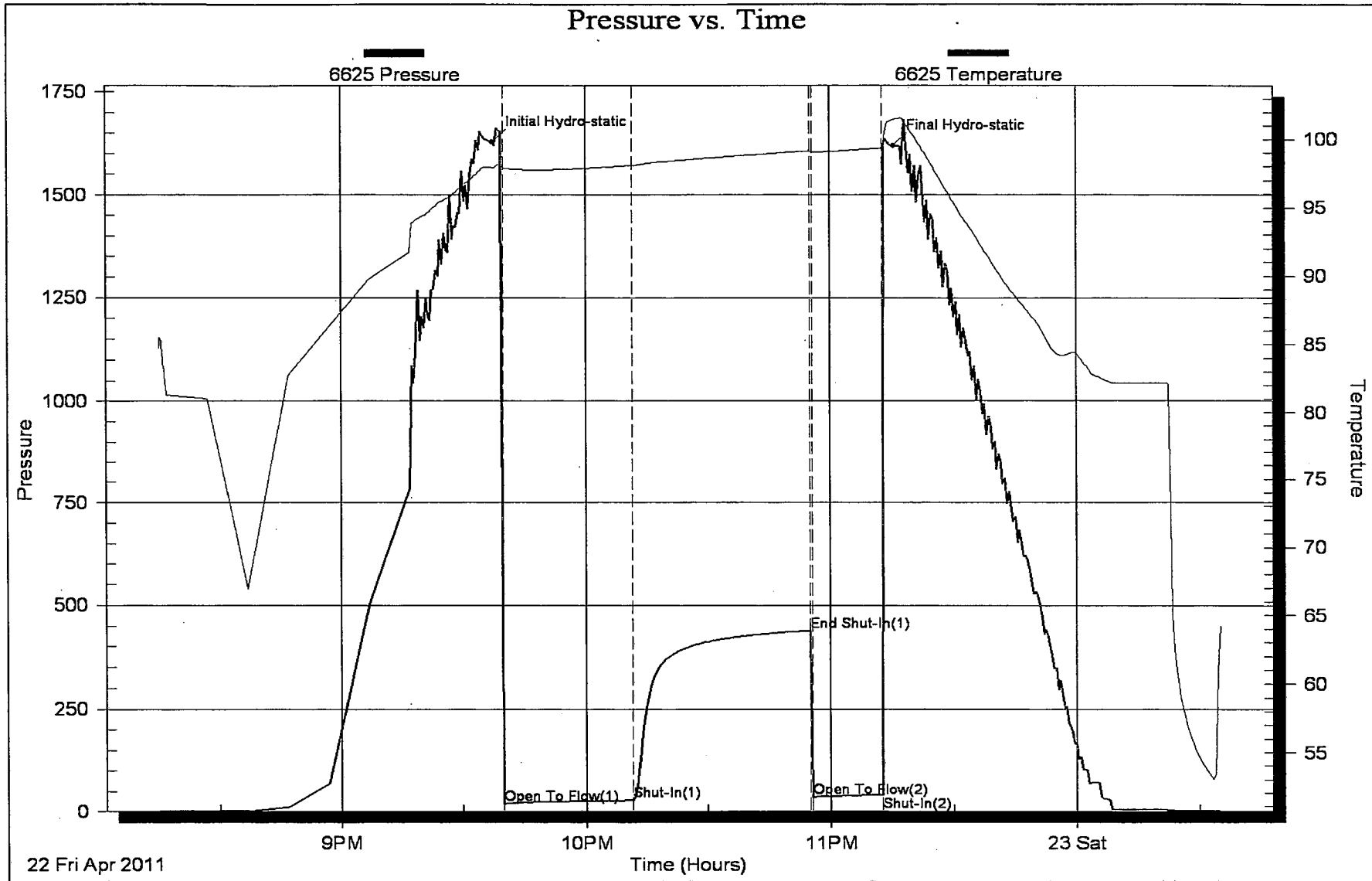
Num Gas Bombs: 0

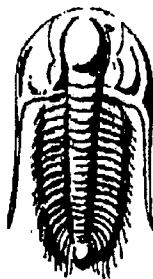
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Mustang Energy Corporation**

PO Box 1121
Hays KS 67601-9704

ATTN: Rodney Brin

3-8s-21w Graham,KS

Alexander-Thomas Unit #1

Start Date: 2011.04.23 @ 14:25:19

End Date: 2011.04.23 @ 18:40:44

Job Ticket #: 42771 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Mustang Energy Corporation

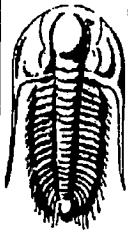
Alexander-Thomas Unit #1

3-8s-21w Graham,KS

DST # 4

Toronto

2011.04.23



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mustang Energy Corporation

PO Box 1121
Hays KS 67601-9704

ATTN: Rodney Brin

Alexander-Thomas Unit #1

3-8s-21w Graham,KS

Job Ticket: 42771 DST#: 4

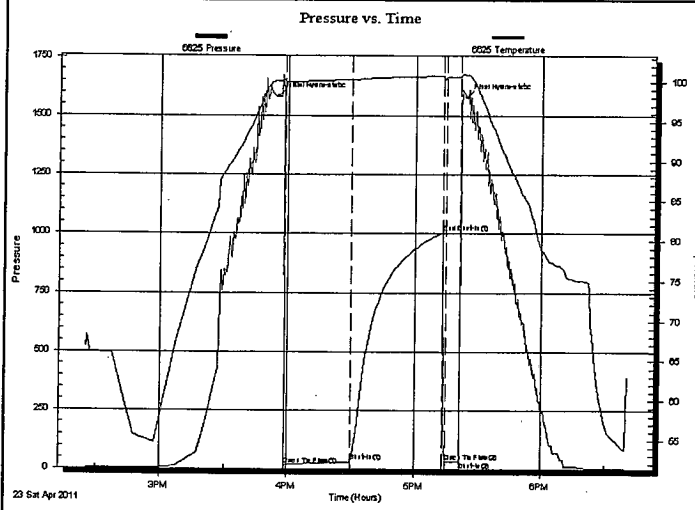
Test Start: 2011.04.23 @ 14:25:19

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 15:58:44
 Time Test Ended: 18:40:44
 Interval: **3216.00 ft (KB) To 3270.00 ft (KB) (TVD)**
 Total Depth: **3568.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Straddle**
 Tester: **Ray Schwager**
 Unit No: **42**
 Reference Elevations: **2001.00 ft (KB)**
1996.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 6625 **Inside**
 Press@RunDepth: **30.45 psig @ 3219.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.04.23** End Date: **2011.04.23** Last Calib.: **2011.04.23**
 Start Time: **14:25:19** End Time: **18:40:44** Time On Btm: **2011.04.23 @ 15:55:14**
 Time Off Btm: **2011.04.23 @ 17:23:44**

TEST COMMENT: IFP-w k bl 1/4"to 1/2"bl
 ISIP-no bl
 FFP-surface bl
 pull tool



PRESSURE SUMMARY

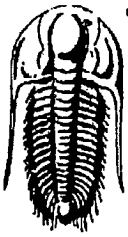
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.50	100.09	Initial Hydro-static
4	17.46	100.04	Open To Flow (1)
35	30.45	100.25	Shut-In(1)
78	1004.89	100.74	End Shut-In(1)
79	31.28	100.57	Open To Flow (2)
86	33.41	100.64	Shut-In(2)
89	1579.74	100.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mustang Energy Corporation

Alexander-Thomas Unit #1

PO Box 1121
Hays KS 67601-9704

3-8s-21w Graham,KS

Job Ticket: 42771

DST#: 4

ATTN: Rodney Brin

Test Start: 2011.04.23 @ 14:25:19

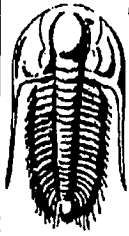
Tool Information

Drill Pipe:	Length: 3081.00 ft	Diameter: 3.80 inches	Volume: 43.22 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 43.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3216.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	3270.00 ft			
Interval between Packers:	54.00 ft			
Tool Length:	368.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3196.00	
Shut In Tool	5.00			3201.00	
Hydraulic tool	5.00			3206.00	
Packer	5.00			3211.00	21.00 Bottom Of Top Packer
Packer	5.00			3216.00	
Stubb	1.00			3217.00	
Perforations	2.00			3219.00	
Recorder	0.00	6625	Inside	3219.00	
Recorder	0.00	8700	Outside	3219.00	
Blank Spacing	33.00			3252.00	
Perforations	14.00			3266.00	
Blank Off Sub	1.00			3267.00	
Blank Spacing	3.00			3270.00	54.00 Tool Interval
Packer	5.00			3275.00	
Stubb	1.00			3276.00	
Perforations	2.00			3278.00	
Recorder	0.00	8374	Below	3278.00	
Blank Spacing	282.00			3560.00	
Bullnose	3.00			3563.00	293.00 Bottom Packers & Anchor

Total Tool Length: 368.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mustang Energy Corporation

Alexander-Thomas Unit #1

PO Box 1121
Hays KS 67601-9704

3-8s-21w Graham,KS

Job Ticket: 42771

DST#: 4

ATTN: Rodney Brin

Test Start: 2011.04.23 @ 14:25:19

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

