Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1207496

Form ACO-1
August 2013
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: Rod Brin
Phone: (785) 623-0533
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Herb Deines
Purchaser:

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
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

03/27/2014	04/01/2014	04/02/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25752-00-00
Spot Description:
NE - SE - SW - SE Sec. 15 Twp. 19 S. R. 22 ☐ East ☑ West
440 Feet from ☐ North / ☑ South Line of Section
1510 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Ness
Lease Name: Kleweno Well #: 2-15
Field Name:
Producing Formation: NA
Elevation: Ground: 2197 Kelly Bushing: 2200
Total Vertical Depth: 4337 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 215 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 41000 ppm Fluid volume: 240 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: AWI
Lease Name: Moore-Hamzy SWD License #: 4058
Quarter SE Sec. 27 Twp. 19 S. R. 21 ☐ East ☑ West
County: Ness Permit #: 28,845

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.

Submitted Electronically

KCC Office Use ONLY

☑ **Confidentiality Requested**
Date: 05/29/2014
☑ **Confidential Release Date:** 05/28/2016
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 06/04/2014

1207496

Operator Name: Mustang Energy Corporation Lease Name: Kleweno Well #: 2-15

Sec. 15 Twp. 19 S. R. 22 ☐ East ☑ West County: Ness

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☑ Sample

Name	Top	Datum
Anhydrite	1463	+737
Heebner	3666	-1466
LKC	3716	-1516
BKC	4036	-1836
Pawnee	4134	-1934
Ft Scott	4214	-2014
Mississippian	4320	-2120

CASING RECORD ☑ New ☐ 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
Surface Pipe	.2500	.6250	23	215	Common	150	2%Gel3%CC

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Mustang Energy Corporation
Well Name	Kleweno 2-15
Doc ID	1207496

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface Pipe	.2500	.6250	23	215	Common	150	2%Gel3% CC

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 494

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-27-14	15	14	22	Ness	KS	12:45pm	2:30 P.M.

Location Bazine W to BB RD 4S to

Lease Klewenо Well No. 2-15 Owner 90 RD 4W Ninto

Contractor Discovery 1

Type Job Surface

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.

Hole Size	12 1/4	T.D.	215 ft
Csg.	8 5/8	Depth	215.30 ft
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.	20 ft	Shoe Joint	20 ft
Meas Line		Displace	12.5 BBL

Charge To Mustang Energy

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 150 3%CC 2% gel

EQUIPMENT

Pumptrk 17	No.	Cementer	Matt
		Helper	
Bulktrk 1	No.	Driver	Nick
		Driver	
Bulktrk pu	No.	Driver	Lonnie
		Driver	

JOB SERVICES & REMARKS

Remarks: Cement did Circulate

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Common	150
Poz. Mix	
Gel.	3
Calcium	5
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	158
Mileage	

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge	Surface
Mileage	13
Tax	
Discount	
Total Charge	

X Signature Cliff Mayfield

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 154

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-2-14	15	19	22	Ness	KS		5:00 PM

Location Bazine 2W to BB Rd 4S to 90 Rd 1/4 W N into

Lease Klewenо	Well No.	Owner	
Contractor Discovery	#1	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 Plug		Charge To Mustang	
Hole Size 7 7/8	T.D.	Street	
Csg. Drill Pipe	Depth	City	State
Tbg. Size	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
Tool	Depth	Cement Amount Ordered 250 60/40 4% Gel	
Cement Left in Csg.	Shoe Joint		
Meas Line	Displace		

EQUIPMENT

Pumptrk 18	No.	Cementer Helper	Cody
Bulktrk 13	No.	Driver Driver	Ryan
Bulktrk PU	No.	Driver Driver	Brett

JOB SERVICES & REMARKS

Remarks:

Rat Hole - 30 sx

Mouse Hole - 20 sx

Centralizers

Baskets

D/V or Port Collar

1st Plug @ 1500 w/ 50 sx
2nd Plug @ 780 w/ 80 sx
3rd Plug @ 270 w/ 50 sx
4th Plug @ 60 w/ 20 sx

WITNESSED BY Cliff Mayfield

Brea Pahlen

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	
85/8 **FLOAT EQUIPMENT**	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Wood Plug 1	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

X Signature Cliff Mayfield

DRILL STEM TEST REPORT

Mustang energy corp.

P.O. BOX 1121
HAYS KS.
67601
ATTN: HERB DEINES / ROD BR

SEC. 15 - 19 s. - 22 w./ Ness

Kleweno # 2 - 15

Job Ticket: 56173 **DST#: 2**

Test Start: 2014.04.02 @ 01:10:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:30:30
Time Test Ended: 09:09:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Bob Hamel
Unit No: 67

Interval: 4328.00 ft (KB) To 4337.00 ft (KB) (TVD)
Total Depth: 4330.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

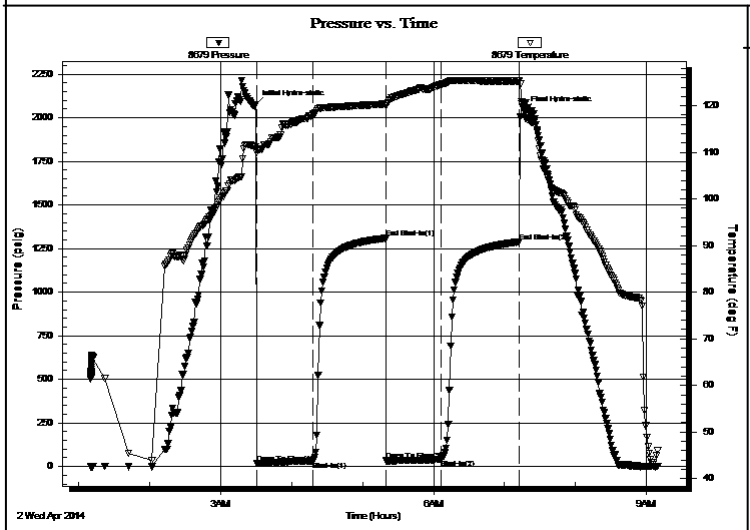
Reference Elevations: 2200.00 ft (KB)
2192.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8679 **Inside**

Press@RunDepth: 39.74 psig @ 4329.00 ft (KB)
Start Date: 2014.04.02 End Date: 2014.04.02
Start Time: 01:10:01 End Time: 09:09:30

Capacity: 8000.00 psig
Last Calib.: 2014.04.02
Time On Btm: 2014.04.02 @ 03:29:30
Time Off Btm: 2014.04.02 @ 07:16:30

TEST COMMENT: I.F - 45 - 1/4" INT. BLOW BUILT TO(2 1/2" IN 45 MIN.)
I.S.I. - 60 - W.S.B.B. @ 60 MIN.
F.F. - 45 - 1/4" INT. BLOW BUILT TO(1" IN 45 MIN.)
F.S.I. 60 - NO B.B.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2074.20	111.19	Initial Hydro-static
1	16.56	109.87	Open To Flow (1)
49	30.56	118.03	Shut-In(1)
110	1308.80	120.36	End Shut-In(1)
111	33.07	120.03	Open To Flow (2)
157	39.74	124.53	Shut-In(2)
223	1288.47	125.28	End Shut-In(2)
227	2041.18	119.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
56.00	S,W,C,G,M, 5%WTR 95%MUD SLIGHT G/0.49MELL	
2.00	CLEAN OIL 100%	0.03

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Mustang energy corp.

P.O. BOX 1121
HAYS KS.
67601
ATTN: HERB DEINES / ROD BR

SEC. 15 - 19 s. - 22 w./ Ness

Kleweno # 2 - 15

Job Ticket: 56173 **DST#: 2**

Test Start: 2014.04.02 @ 01:10:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	45 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
56.00	S,W,C,G,M, 5%WTR 95%MUD SLIGHT GAS S	0.494
2.00	CLEAN OIL 100%	0.028

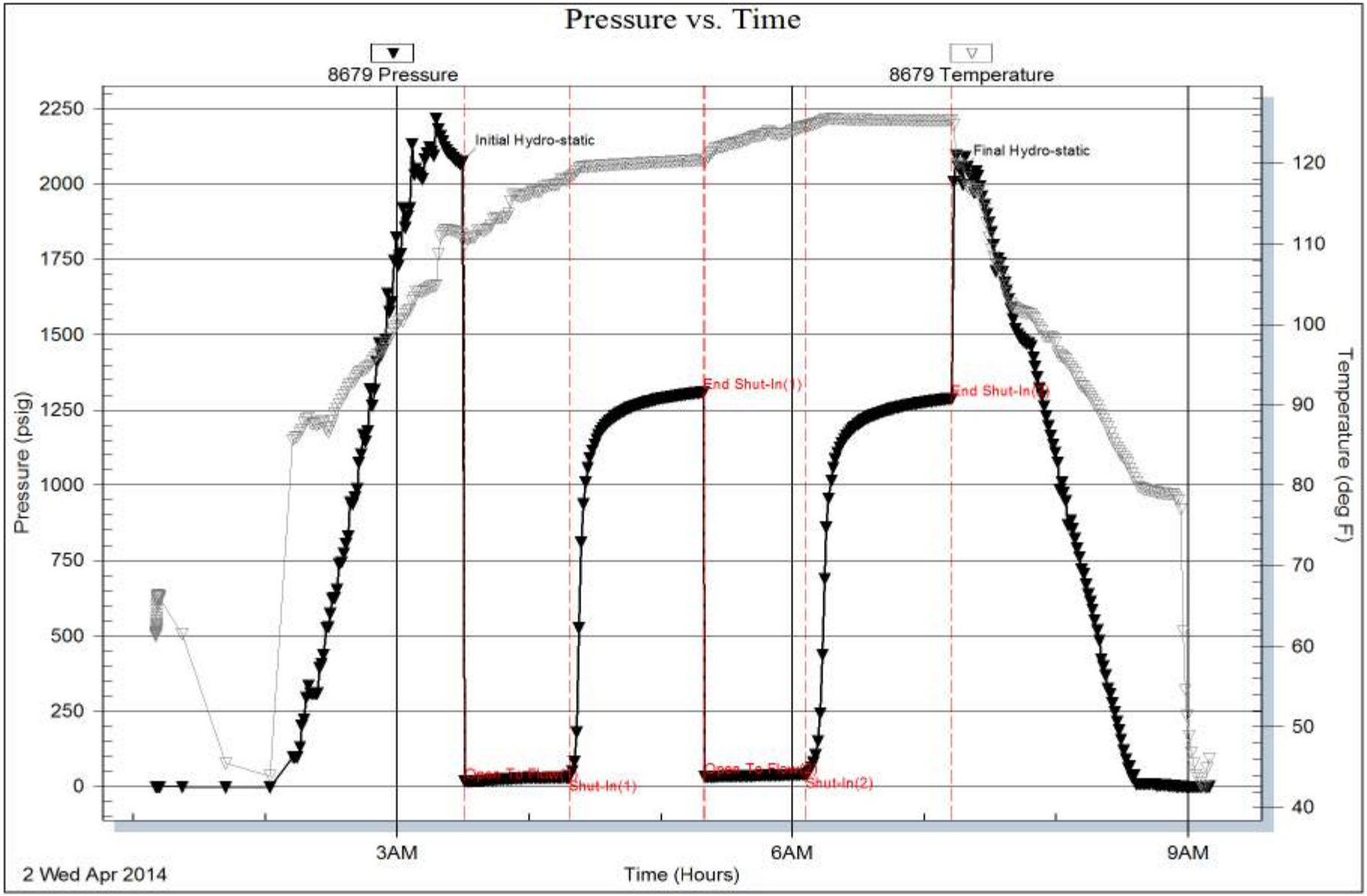
Total Length: 58.00 ft Total Volume: 0.522 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: OIL GRAVITY = 43.6 @ 46 DEG
CORRECTED GRAVITY = 45 @ 60 DEG.

Serial #: 8679 **Inside** Mustang energy corp. Klew eno # 2 - 15 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 56173 Printed: 2014.04.02 @ 09:57:12

DRILL STEM TEST REPORT

Mustang energy corp.

P.O. BOX 1121
HAYS KS.
67601
ATTN: HERB DEINES / ROD BR

SEC. 15 - 19 s. - 22 w./ Ness

Kleweno # 2 - 15

Job Ticket: 56172 **DST#: 1**

Test Start: 2014.04.01 @ 11:15:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:46:30
Time Test Ended: 17:54:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Bob Hamel
Unit No: 67

Interval: 4262.00 ft (KB) To 4330.00 ft (KB) (TVD)
Total Depth: 4330.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

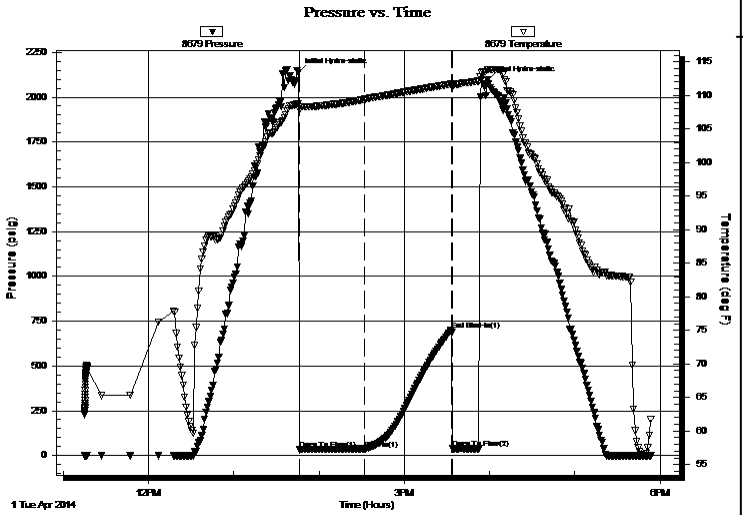
Reference Elevations: 4262.00 ft (KB)
4255.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8679 **Inside**

Press@RunDepth: 36.60 psig @ 4296.00 ft (KB)
Start Date: 2014.04.01 End Date: 2014.04.01
Start Time: 11:15:01 End Time: 17:54:00

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2014.04.01 @ 13:45:30
Time Off Btm: 2014.04.01 @ 15:58:30

TEST COMMENT: I.F. - 45 - 1/2" INT. BLOW BUILT TO (1" IN 45 MIN.)
I.S.I. - 60 - W.S.B.B. @ 60 MIN.
F.F. - 15 - 1/4" INT. BLOW NO BUILD (PULLED IT @ 15 MIN.)
F.S.I. - NO FINAL SHUT IN.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2138.73	108.76	Initial Hydro-static
1	33.07	107.91	Open To Flow (1)
47	36.60	109.42	Shut-In(1)
108	698.56	111.68	End Shut-In(1)
109	38.27	111.49	Open To Flow (2)
133	2095.05	113.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	S,O,S,M, MUD100% SHOW OF FREE OIL	0.07OL

Gas Rates

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

DRILL STEM TEST REPORT

Mustang energy corp.

P.O. BOX 1121
HAYS KS.
67601
ATTN: HERB DEINES / ROD BR

SEC. 15 - 19 s. - 22 w./ Ness

Kleweno # 2 - 15

Job Ticket: 56172 **DST#: 1**

Test Start: 2014.04.01 @ 11:15:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:46:30
Time Test Ended: 17:54:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Bob Hamel
Unit No: 67

Interval: 4262.00 ft (KB) To 4330.00 ft (KB) (TVD)
Total Depth: 4330.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

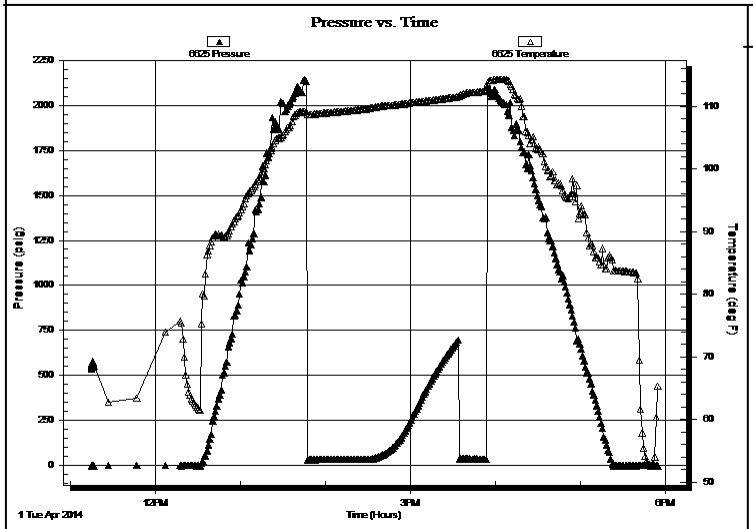
Reference Elevations: 4262.00 ft (KB)
4255.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6625 **Outside**

Press@RunDepth: psig @ 4296.00 ft (KB)
Start Date: 2014.04.01 End Date: 2014.04.01
Start Time: 11:15:01 End Time: 17:55:00

Capacity: 8000.00 psig
Last Calib.: 2014.04.01
Time On Btm:
Time Off Btm:

TEST COMMENT: I.F. - 45 - 1/2" INT. BLOW BUILT TO (1" IN 45 MIN.)
I.S.I. - 60 - W.S.B.B. @ 60 MIN.
F.F. - 15 - 1/4" INT. BLOW NO BUILD (PULLED IT @ 15 MIN.)
F.S.I. - NO FINAL SHUT IN.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

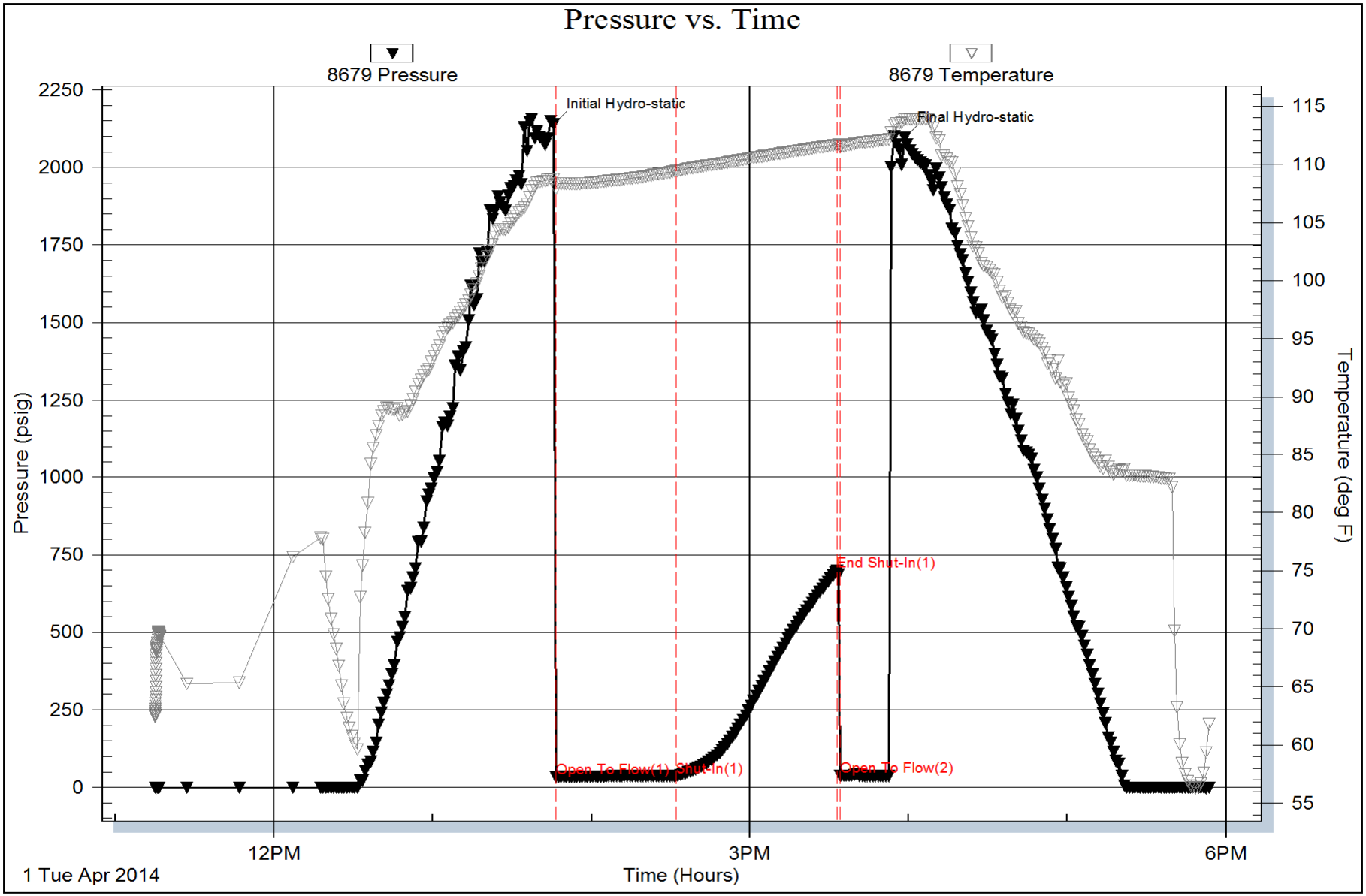
Recovery

Length (ft)	Description	Volume (bbl)
15.00	S,O,S,M, MUD100% SHOW OF FREE OIL	0.07OL

Gas Rates

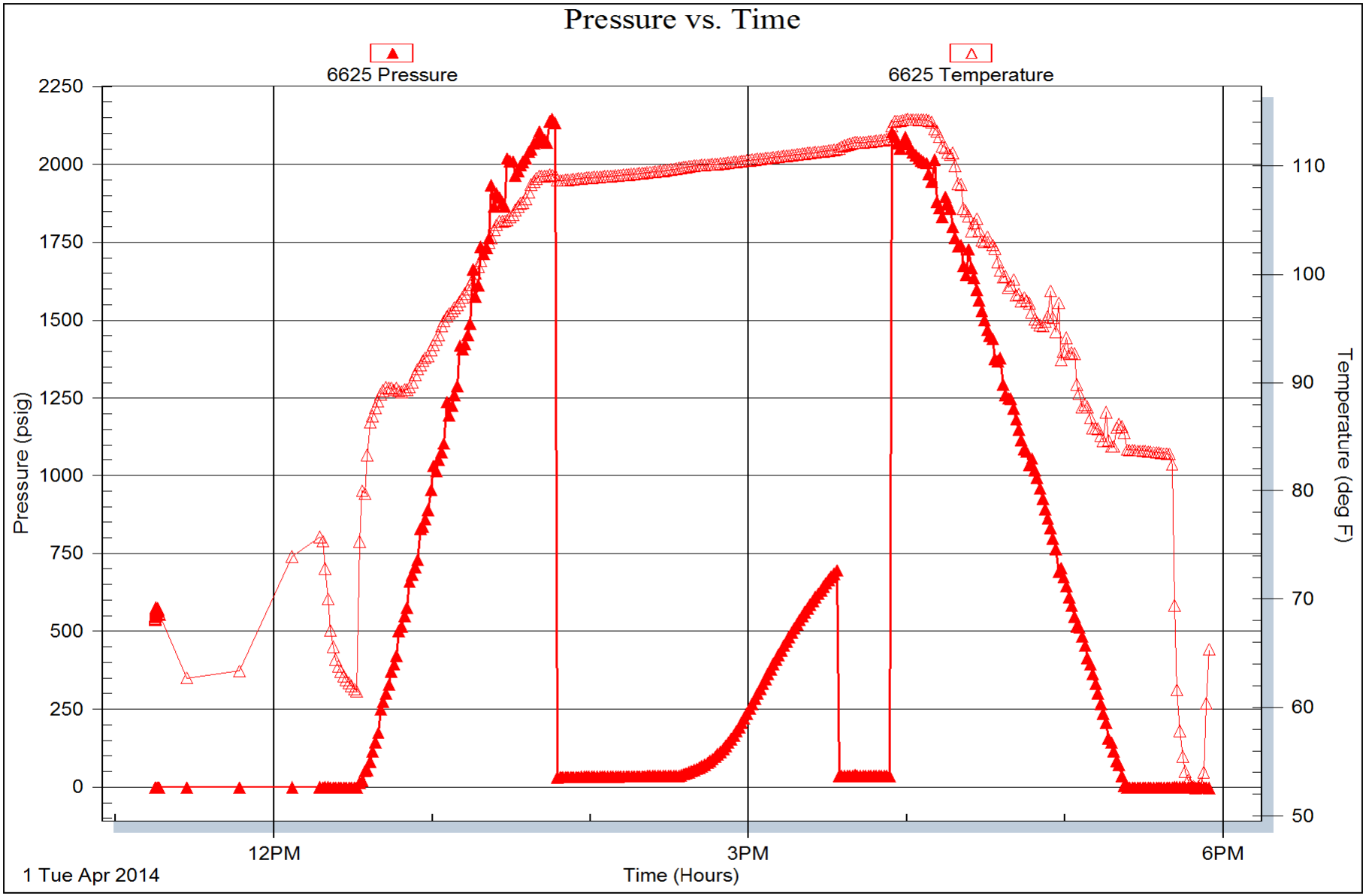
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8679 **Inside** Mustang energy corp. Klew eno # 2 - 15 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 56172 Printed: 2014.04.01 @ 21:30:07

Serial #: 6625 **Outside** Mustang energy corp. Klew eno # 2 - 15 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 56172 Printed: 2014.04.01 @ 21:30:08

OPERATOR

Company:	MUSTANG ENERGY CORPORATION		
Address:	PO BOX 1121 HAYS, KANSAS 67601		
Contact Geologist:	ROD BRIN		
Contact Phone Nbr:	785-623-0533		
Well Name:	KLEWENO # 2-15		
Location:	NE SE SW SE Sec.15-19s-22w	API:	15-135-25,752-00-00
Pool:		Field:	SCHABEN WEST
State:	KANSAS	Country:	USA

Scale 1:240 Imperial

Well Name:	KLEWENO # 2-15		
Surface Location:	NE SE SW SE Sec.15-19s-22w		
Bottom Location:			
API:	15-135-25,752-00-00		
License Number:	33922		
Spud Date:	3/27/2014	Time:	9:00 AM
Region:	NESS COUNTY		
Drilling Completed:	4/1/2014	Time:	10:45 PM
Surface Coordinates:	440' FSL & 1510' FEL		
Bottom Hole Coordinates:			
Ground Elevation:	2192.00ft		
K.B. Elevation:	2200.00ft		
Logged Interval:	0.00ft	To:	0.00ft
Total Depth:	4337.00ft		
Formation:	MISSISSIPPI		
Drilling Fluid Type:	CHEMICAL/FRESH WATER GEL		

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:	-99.7377532	Latitude:	38.3939043
N/S Co-ord:	440' FSL		
E/W Co-ord:	1510' FEL		

LOGGED BY

Company:	SOLUTIONS CONSULTING, INC.		
Address:	108 W 35TH HAYS, KS 67601		
Phone Nbr:	(785) 639-1337		
Logged By:	GEOLOGIST	Name:	HERB DEINES

CONTRACTOR

Contractor:	DISCOVERY DRILLING, INC.		
Rig #:	1		
Rig Type:	MUD ROTARY		
Spud Date:	3/27/2014	Time:	9:00 AM
TD Date:	4/1/2014	Time:	10:45 PM
Rig Release:	4/2/2014	Time:	5:00 PM

ELEVATIONS

K.B. Elevation:	2200.00ft	Ground Elevation:	2192.00ft
K.B. to Ground:	8.00ft		

NOTES

RECOMMENDATION TO PLUG AND ABANDON WELL BASED ON NEGATIVE RESULTS OF TWO DRILL STEM TESTS AND LACK OF PERMEABILITY IN THE MISSISSIPPI DOLOMITE.

NO OPEN HOLE LOGS WERE RAN ON THIS WELL SINCE PRIMARY PRODUCTIVE ZONE COVERED BY TWO DRILL STEM TESTS.

DRILL STEM TESTING BY TRILOBITE TESTING INC: TWO (2) CONVENTIONAL TESTS

FORMATION TOPS COMPARISON AND CHRONOLOGY OF DAILY ACTIVITY

	KLEWENO # 2-15 NE SE SW SE SEC.15-19S-22W 2192'GL 2200'KB	KLEWENO # 1-15 W2 SE SE SE SEC.15-19-22W KB 2227'	RAHM # 1 NE NE SEC.22-19-22W KB 2225'
FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS
Anhydrite	1463 +737	+ 743	+ 743
B-Anhydrite	1497 +703	+ 706	+ 707
Heebner Sh.	3666-1466	-1467	-1467
LKC	3716-1516	-1515	-1514
BKC	4036-1836	-1839	-1825
Pawnee	4134-1934	-1937	-1935
Ft Scott	4214-2014	-2018	-2012
Cherokee Sh.	4235-2035	-2038	-2032
Reworked Miss.	4320-2120		
Mississippi	4326-2126	-2115	-2104

RTD	4337-2137	-2135

SUMMARY OF DAILY ACTIVITY

3-27-14	RU, Spud 9:00 AM, set 8 5/8" surface casing to 215.3' w/ 150sxs Common 2%Gel 3%CC, slope 1/8 degree, drill plug 10:30PM
3-28-14	1138', drilling
3-29-14	2555', drilling
3-30-14	3330', drilling, displaced at 3445'
3-31-14	3840', drilling
4-01-14	4330', drilling, CFS 4328', CFS 4330', short trip 22 stands, TOWB, DST # 1 4262' to 4330, TIWB, CFS 4335', CFS 4337', DST # 2 4328' to 4337'
4-02-14	4337', finish DST # 2, decision to P&A

DST # 1 4262' TO 4330' MISSISSIPPI

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mustang energy corp.

P.O. BOX 1121
HAYS KS.
67601
ATTN: HERB DEINES / ROD BR

SEC. 15 - 19 s. - 22 w./ Ness

Kleweno # 2 - 15

Job Ticket: 56172 **DST#: 1**

Test Start: 2014.04.01 @ 11:15:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:46:30
Time Test Ended: 17:54:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Bob Hamel
Unit No: 67

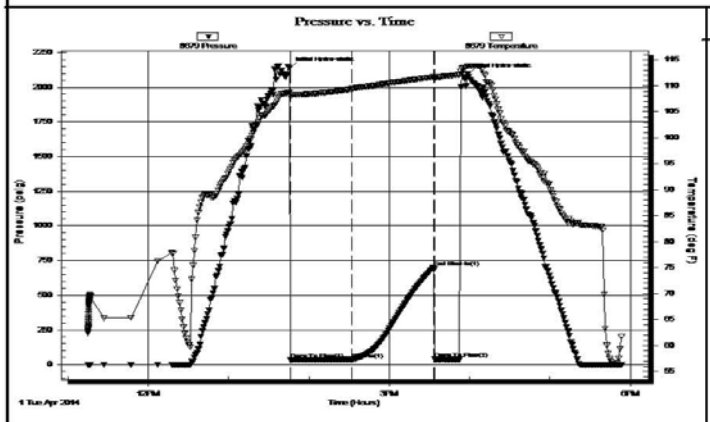
Interval: 4262.00 ft (KB) To 4330.00 ft (KB) (TVD)
Total Depth: 4330.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 4262.00 ft (KB)
4255.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8679 **Inside**
Press@RunDepth: 36.60 psig @ 4296.00 ft (KB)
Start Date: 2014.04.01 End Date: 2014.04.01
Start Time: 11:15:01 End Time: 17:54:00

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2014.04.01 @ 13:45:30
Time Off Btm: 2014.04.01 @ 15:58:30

TEST COMMENT: I.F. - 45 - 1/2" INT. BLOW BUILT TO (1" IN 45 MIN.)
I.S.I. - 60 - W.S.B.B. @ 60 MIN.
F.F. - 15 - 1/4" INT. BLOW NO BUILD (PULLED IT @ 15 MIN.)
F.S.I. - NO FINAL SHUT IN.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2138.73	108.76	Initial Hydro-static
1	33.07	107.91	Open To Flow (1)
47	36.60	109.42	Shut-In(1)
108	698.56	111.68	End Shut-In(1)
109	38.27	111.49	Open To Flow (2)
133	2095.05	113.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	S,O,S,M, MUD100% SHOW OF FREE OL	0.07 OL

Gas Rates

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

Trilobite Testing, Inc Ref. No: 56172 Printed: 2014.04.01 @ 21:30:07

DST # 2 4328' TO 4337' MISSISSIPPI

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mustang energy corp.

P.O. BOX 1121
HAYS KS.
67601
ATTN: HERB DEINES / ROD BR

SEC. 15 - 19 s. - 22 w./ Ness

Kleweno # 2 - 15

Job Ticket: 56173 **DST#: 2**

Test Start: 2014.04.02 @ 01:10:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:30:30
Time Test Ended: 09:09:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Bob Hamel
Unit No: 67

Interval: 4328.00 ft (KB) To 4337.00 ft (KB) (TVD)
Total Depth: 4330.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

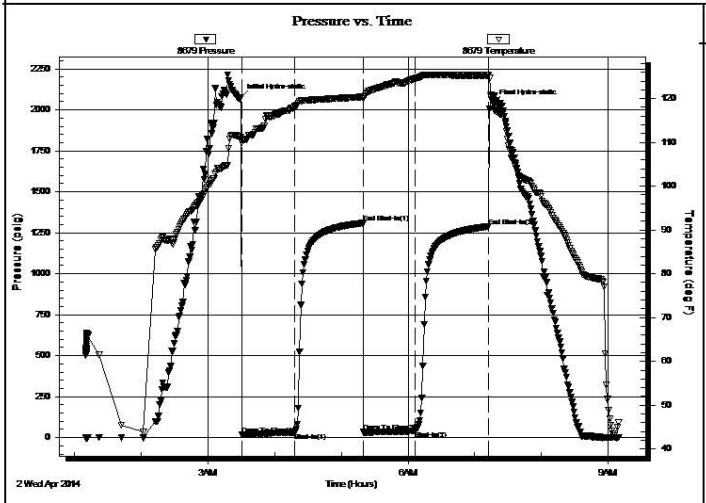
Reference Elevations: 2200.00 ft (KB)
2192.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8679 **Inside**

Press@RunDepth: 39.74 psig @ 4329.00 ft (KB)
Start Date: 2014.04.02 End Date: 2014.04.02
Start Time: 01:10:01 End Time: 09:09:30

Capacity: 8000.00 psig
Last Calib.: 2014.04.02
Time On Btm: 2014.04.02 @ 03:29:30
Time Off Btm: 2014.04.02 @ 07:16:30

TEST COMMENT: I.F - 45 - 1/4" INT. BLOW BUILT TO(2 1/2" IN 45 MIN.)
I.S.I. - 60 - W.S.B.B. @ 60 MIN.
F.F. - 45 - 1/4" INT. BLOW BUILT TO(1" IN 45 MIN.)
F.S.I. 60 - NO B.B.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2074.20	111.19	Initial Hydro-static
1	16.56	109.87	Open To Flow (1)
49	30.56	118.03	Shut-In(1)
110	1308.80	120.36	End Shut-In(1)
111	33.07	120.03	Open To Flow (2)
157	39.74	124.53	Shut-In(2)
223	1288.47	125.28	End Shut-In(2)
227	2041.18	119.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
56.00	S,W,C,G,M, 5%WTR 95%MUD SLIGHT G/0.49MELL	
2.00	CLEAN OIL 100%	0.03

* Recovery from multiple tests

Gas Rates

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

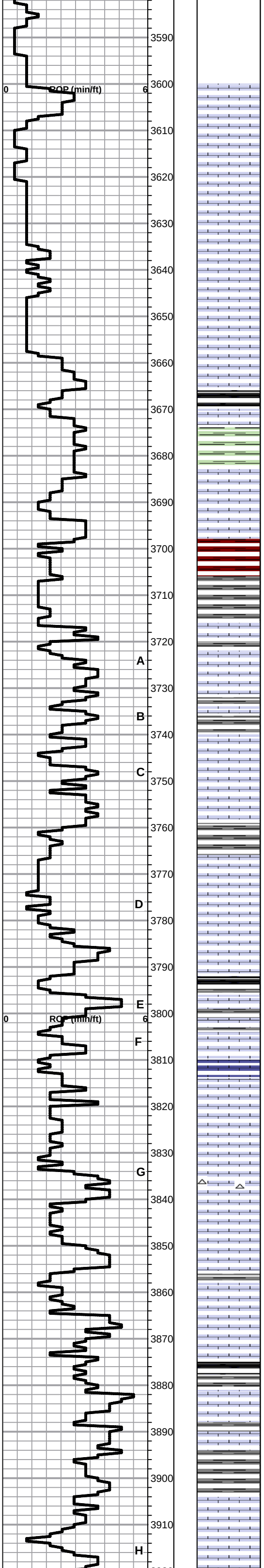
Trilobite Testing, Inc Ref. No: 56173 Printed: 2014.04.02 @ 09:57:11

ROCK TYPES

Chtcongl, Dolprim, Dolsec, Lmst fw<7, Lmst fw7>, Lscongl, shale, grn, shale, gry, Carbon Sh, shale, red, Shcol, Ss, CglSandy

ACCESSORIES

MINERAL
△ Chert White



Lime, med-dark gray, fnxln-granular, slight bedded chalk

HEEBNER SHALE SPL 3666-1466

Shale, black carbonaceous, fissile, blocky
Lime, tan-lt brn, fn-vfxln, hard on crush

Shale, lt gray-lime green, soft blocky

Lime, crm-tan, fnxln-granular, spotty lt stain, NFO, no odor

Lime, white, granular-fnxln, slight bedded chalk

Shale, red-brn,

LKC SPL 3716-1516

Lime, crm-lt brn, fnxln, hard on crush

Lime, tan fnxln-granular in part, slight chalk, slightly fossiliferous

Lime, tan-med brn, fnxln

Lime, med brn, fnxln-granular in part, slight mottling near shale boundary

Lime, crm, bedded chalk

Lime, crm-lt-med brn, fnxln-granular, bedded chalk

Lime, crm-tan, granular, bedded chalk

Lime, crm, fn-vfxln, hard on crush

Shale, gray-black carbonaceous, blocky
Lime, lt gray, fn-vfxln

Lime, crm-lt brn, fnxln-granular

Lime, crm-lt-med brn, fnxln-granular, bedded chalk in part

Lime, crm, fnxln, bedded chalk

Lime, crm-tan, granular, bedded chalk

Lime, tan-lt brn, fn-vfxln, white chert in part

Lime, crm-lt brn, fnxln-granular, slight bedded chalk

Lime, crm-lt brn-grayish brn, fnxln-granular

Lime, crm-lt brn, fn-vfxln

Shale, gray-black carbonaceous, blocky

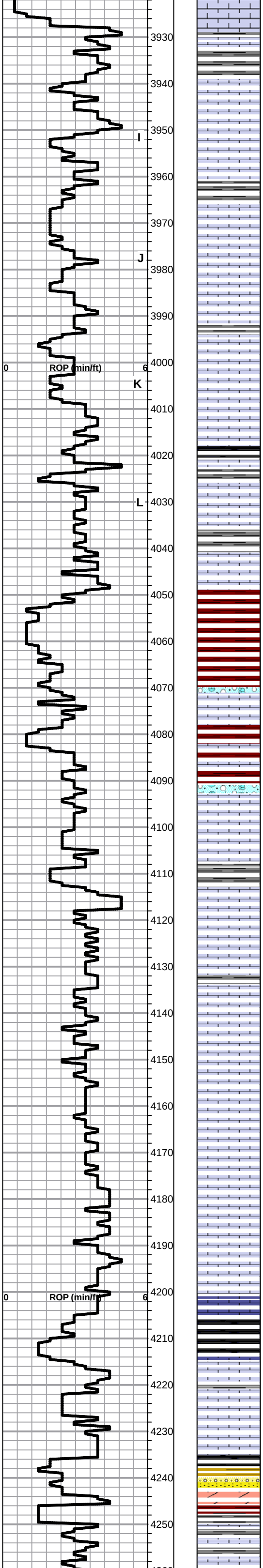
Lime, crm-tan, slightly fossiliferous

Lime, white-lt gray, fn-vfxln

Shale, lt gray, soft blocky

Lime, tan-lt gray, fnxln-granular in part

Lime, crm-tan, fnxln-granular , chalk in part



Lime, crm-tan, fn-vflxn, hard on crush, chalk in part

Lime, crm-tan, fn-vfxln, bedded chalk in part

Lime, lt brn, fn-vfxln, hard on crush

Lime, crm-tan, fnxln

Lime, fnxln-granular, chalk in part

Lime, crm-tan, fnxln-granular in part

Lime, crm-tan fnxln

Lime, crm-med brn, fnxln-granular in part

Lime, crm-tan, fnxln-granular, slight bedded chalk, few chips of dark brn lime, NS

Shale, black carbonaceous, blocky

Lime, lt-med brn, fnxln, hard on crush

Lime, lt brn, fnxln, chalk in part

BKC SPL 4036-1836

Shale, brn-black, soft blocky

Lime, tan-lt brn, fnxln, hard on crush

Shale, lt green, red, brn, soft blocky

Lime, tan-brn, fn-vfxln

Lime, tan-lt brn, fn-vfxln, scattered clastic material

Lime, clastic with red shale staining, fnxln

Lime, lt gray-lt brn, fn-vfxln

Shale, lt-dark gray, firm, blocky

Lime, lt brn, fnxln

Lime, crm-tan, fnxln

PAWNEE SPL 4134-1934

Lime, tan-lt brn, fnxln

Lime, tan, fnxln

Lime, lt brn, fnxln, hard on crush

Lime, lt gray, fnxln

Lime, brn-lt gray, fn-vfxln, hard on crush

Lime, lt-med gray, fnxln with increasing dark gray shale with depth

Lime, gray-black, fnxln

Shale, black carbonaceous, blocky

FT SCOTT 4214-2014

Lime, fn-micro xln

Lime, tan-lt brn, fn-vfxln, granular in part, fnxln with mostly fine inter xln porosity, spotty to sat stain, NFO, very lt to no detectable odor, does not appear well developed in spls.

CHEROKEE SHALE 4235-2035

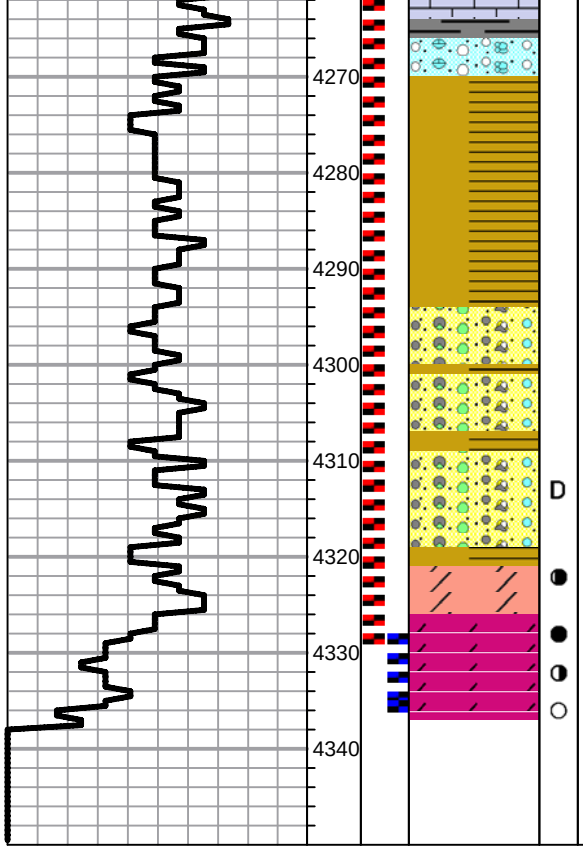
Sandstone, quartz, friable, well sorted, subrounded, NFO, no odor, lite wet cut on crush only, dolomitic effervesence

Mix of fnxln lime and red-gray shales

Lime, lt brn, mostly fnxln, NS

1ST PLUG @1500' W/50 SXS
2ND PLUG @780' W/80 SXS
3RD PLUG @270' W/50 SXS
4TH PLUG @60' W/20 SXS
RATHOLE W/30 SXS
MOUSEHOLE W/20 SXS

250 SXS 60/40 POS 4%GEL
QUALITY OILWELL CEMENT



	Shale, grayish green grading into vari colored shales, slightly waxy	
	Shale, vari colored with thin beds of clastic mix.	DST #1 4262' TO 4330' SEE HEADER FOR TEST SUMMARY
	Shale, med gray-greenish gray, firm, blocky, waxy	
	Conglomerate mix of lime, vari colored cherts and vari color colored shales,	
D	Chert vari color, weathered in part, dead oil & gilsonite NFO, no odor	
	REWORKED MISSISSIPPI 4320-2120	DST # 2 4328' TO 4337' SEE HEADER FOR TEST SUMMARY
◐	Dolomite, med brn, fnxln, fair odor and saturated staining in fnxln with fine inter xln porosity, torqued bit thru section, top of section may be reworked material.	CFS 4328-2128
●		CFS 4330-2130
◑	**MISSISSIPPI 4326-2126**	CFS 4335-2135
○	Dolomite, lt brn, fnxln grading into fine grained sucrosic, soft and friable, scattered to saturated staining, lt odor	
	RTD 4337-2137	