



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1199847
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ 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 #: _____

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: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1199847

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input 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

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				

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 <i>(Amount and Kind of Material Used)</i>	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: <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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	K3 Oil & Gas Operating Company
Well Name	M. Coberly Partners 36-10
Doc ID	1199847

All Electric Logs Run

Borehole Compensated Sonic Log
Dual Induction Log
Dual Compensated Porosity Log
Microrisistivity Log

Form	ACO1 - Well Completion
Operator	K3 Oil & Gas Operating Company
Well Name	M. Coberly Partners 36-10
Doc ID	1199847

Tops

Name	Top	Datum
Stone Corral	590	2594.6
Heebner	-1107	
Lansing	-1139	
Marm	-1521	
Pawn	-1588	
Ft Scott	-1656	
Cherokee	-1686	
Miss	-1752	

ALLIED OIL & GAS SERVICES, LLC 062718

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: great Bend

DATE <u>4-3-14</u>	SEC. <u>36</u>	TWP. <u>15</u>	RANGE <u>29</u>	CALLED OUT <u>5:30pm</u>	ON LOCATION <u>9:00pm</u>	JOB START <u>10 pm</u>	JOB FINISH <u>10:30pm</u>
LEASE <u>mark correct</u>		WELL# <u>36-10</u>		LOCATION <u>Righter N on # 23 Hwy</u>		COUNTY <u>gove</u>	STATE <u>Ks</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>to give cu line 2E & N center</u>			

CONTRACTOR Duke 8

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 270

CASING SIZE 8 5/8 DEPTH 270

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT H2O 16.24 BBI

EQUIPMENT

PUMP TRUCK # 398 CEMENTER Charles Kenger
HELPER Mike Notroch

BULK TRUCK # 871-112 DRIVER Dan Casper

BULK TRUCK # _____ DRIVER _____

OWNER same

CEMENT AMOUNT ORDERED 180 cu class A 31' cc 27' gel

COMMON	<u>180</u>	@ <u>17.90</u>	<u>3,222.00</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.90</u>	<u>70.20</u>
CHLORIDE	<u>507</u>	@ <u>.80</u>	<u>405.60</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>194.63</u>	@ <u>2.48</u>	<u>482.68</u>
MILEAGE	<u>8.88 x 40 x</u>	<u>2.60</u>	<u>923.52</u>
TOTAL			<u>5,104.00</u>

REMARKS:

Rig Ran 270' 8 5/8 cas Rig up
head broke circulation w/ Rig
mad Hook to head 10 BBI H2O
ahead mix 180 cu class A 31' cc
2 1/2 gel shut down Release plug
displace 16.24 BBI H2O shut cl
cement did circ late
16 BBI to pit

CHARGE TO: K-3 oil & gas

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 270'

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @ _____

MILEAGE Hwy 40 @ 7.70 308.00

MANIFOLD Low 40 @ 4.40 176.00

TOTAL 1996.25

PLUG & FLOAT EQUIPMENT

8 5/8 Rubber plug

@ 131.04 131.04

@ _____

@ _____

@ _____

TOTAL 131.04

Thank you!

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X STEVE STEPHENS

SIGNATURE X Steve Stephens

SALES TAX (If Any) _____

TOTAL CHARGES 7,231.39

DISCOUNT 1,084.67 IF PAID IN 30 DAYS

6,146.60



DRILL STEM TEST REPORT

Prepared For: **K3 Oil & Gas Operating Co.**

211 Highland Cross Suite 230
Houston, TX 77073

ATTN: Pat Deenihan

36-15s-29w Gove,KS

M. Coberly Partners #36-10

Start Date: 2014.04.08 @ 17:27:00

End Date: 2014.04.08 @ 23:16:54

Job Ticket #: 56264 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.04.14 @ 16:33:17



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56264

DST#: 1

ATTN: Pat Deenihan

Test Start: 2014.04.08 @ 17:27:00

GENERAL INFORMATION:

Formation: **LKC 'D - E'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:08:48

Time Test Ended: 23:16:54

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 3785.00 ft (KB) To 3821.00 ft (KB) (TVD)

Reference Elevations: 2602.00 ft (KB)

Total Depth: 3821.00 ft (KB) (TVD)

2594.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8357

Inside

Press@RunDepth: 20.07 psig @ 3789.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.08

End Date:

2014.04.08

Last Calib.:

2014.04.08

Start Time:

17:27:05

End Time:

23:16:54

Time On Btm:

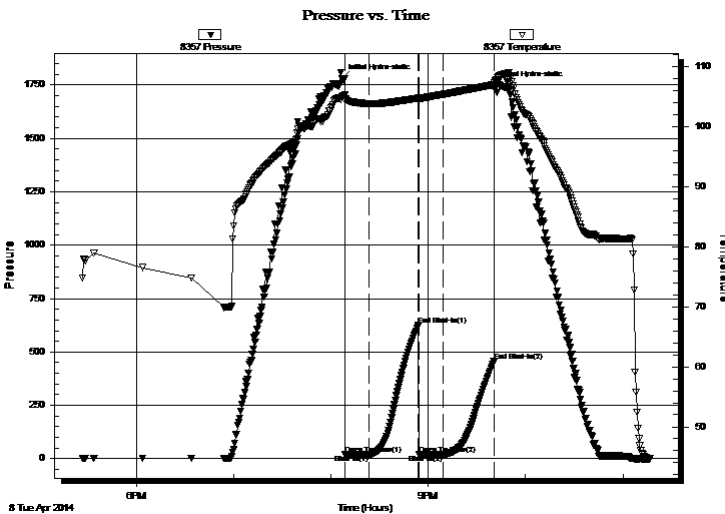
2014.04.08 @ 20:06:48

Time Off Btm:

2014.04.08 @ 21:40:54

TEST COMMENT: 15- 1/2" Blow receded to a weak surface blow .
30- No return.
15- No blow .
30- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1781.47	105.00	Initial Hydro-static
2	19.81	104.43	Open To Flow (1)
17	19.75	103.86	Shut-In(1)
48	624.79	104.78	End Shut-In(1)
48	19.91	104.60	Open To Flow (2)
63	20.07	105.39	Shut-In(2)
94	458.08	107.02	End Shut-In(2)
95	1748.94	107.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: @ Degrees F = PPM	0.00
2.00	M 100m with couple oil specs	0.03

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

ATTN: Pat Deenihan

Job Ticket: 56264

DST#: 1

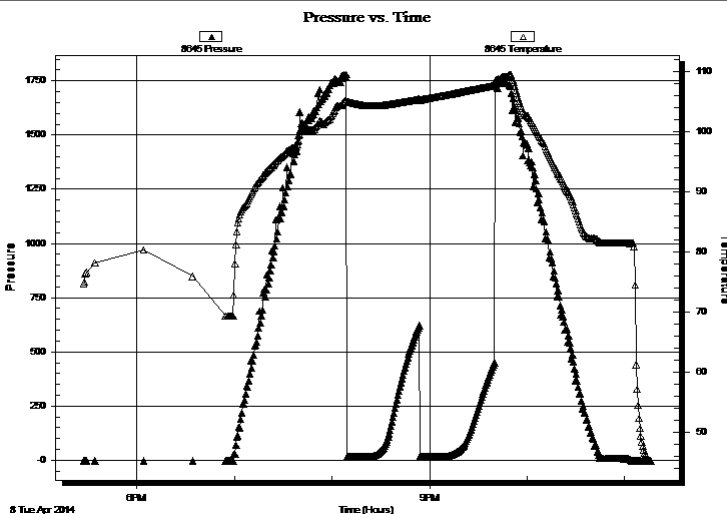
Test Start: 2014.04.08 @ 17:27:00

GENERAL INFORMATION:

Formation: **LKC 'D - E'**
 Deviased: No Whipstock: ft (KB)
 Time Tool Opened: 20:08:48
 Time Test Ended: 23:16:54
 Interval: **3785.00 ft (KB) To 3821.00 ft (KB) (TVD)**
 Total Depth: 3821.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 2602.00 ft (KB)
 2594.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8645 Outside
 Press@RunDepth: psig @ 3789.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.08 End Date: 2014.04.08 Last Calib.: 2014.04.08
 Start Time: 17:27:10 End Time: 23:16:11 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15- 1/2" Blow receded to a weak surface blow .
 30- No return.
 15- No blow .
 30- No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: @ Degrees F = PPM	0.00
2.00	M 100m with couple oil specs	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56264

DST#: 1

ATTN: Pat Deenihan

Test Start: 2014.04.08 @ 17:27:00

Tool Information

Drill Pipe:	Length: 3764.00 ft	Diameter: 3.80 inches	Volume: 52.80 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 52.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.50 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3785.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	63.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3758.50	
Shut In Tool	5.00			3763.50	
Hydraulic tool	5.00			3768.50	
Jars	5.00			3773.50	
Safety Joint	2.50			3776.00	
Packer	5.00			3781.00	27.50 Bottom Of Top Packer
Packer	4.00			3785.00	
Stubb	1.00			3786.00	
Perforations	3.00			3789.00	
Recorder	0.00	8357	Inside	3789.00	
Recorder	0.00	8645	Outside	3789.00	
Perforations	29.00			3818.00	
Bullnose	3.00			3821.00	36.00 Bottom Packers & Anchor

Total Tool Length: 63.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56264

DST#: 1

ATTN: Pat Deenihan

Test Start: 2014.04.08 @ 17:27:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 44.00 sec/qt
Water Loss: 6.39 in³
Resistivity: ohm.m
Salinity: 1200.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: @ Degrees F = PPM	0.000
2.00	M 100m with couple oil specs	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

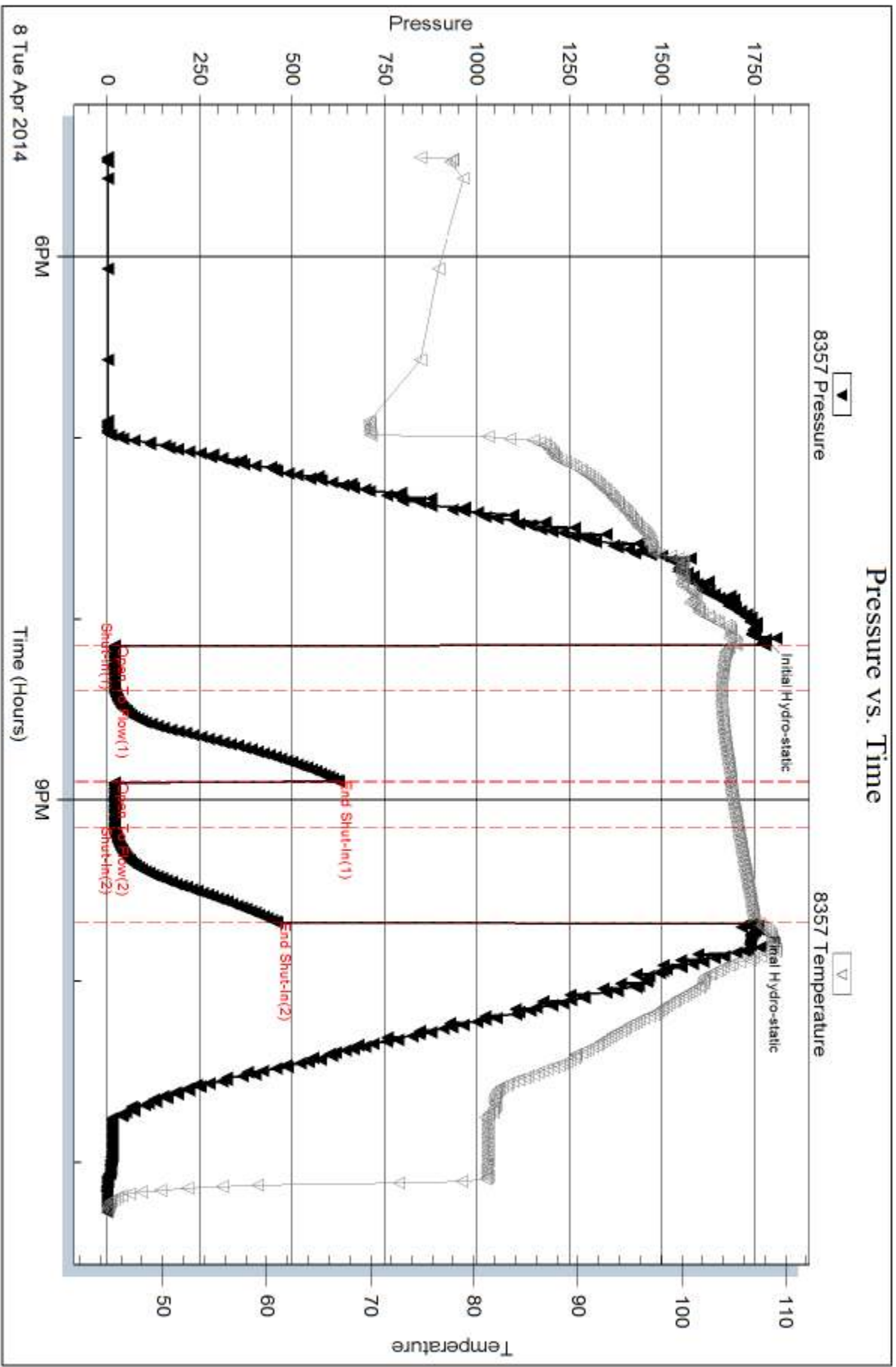
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

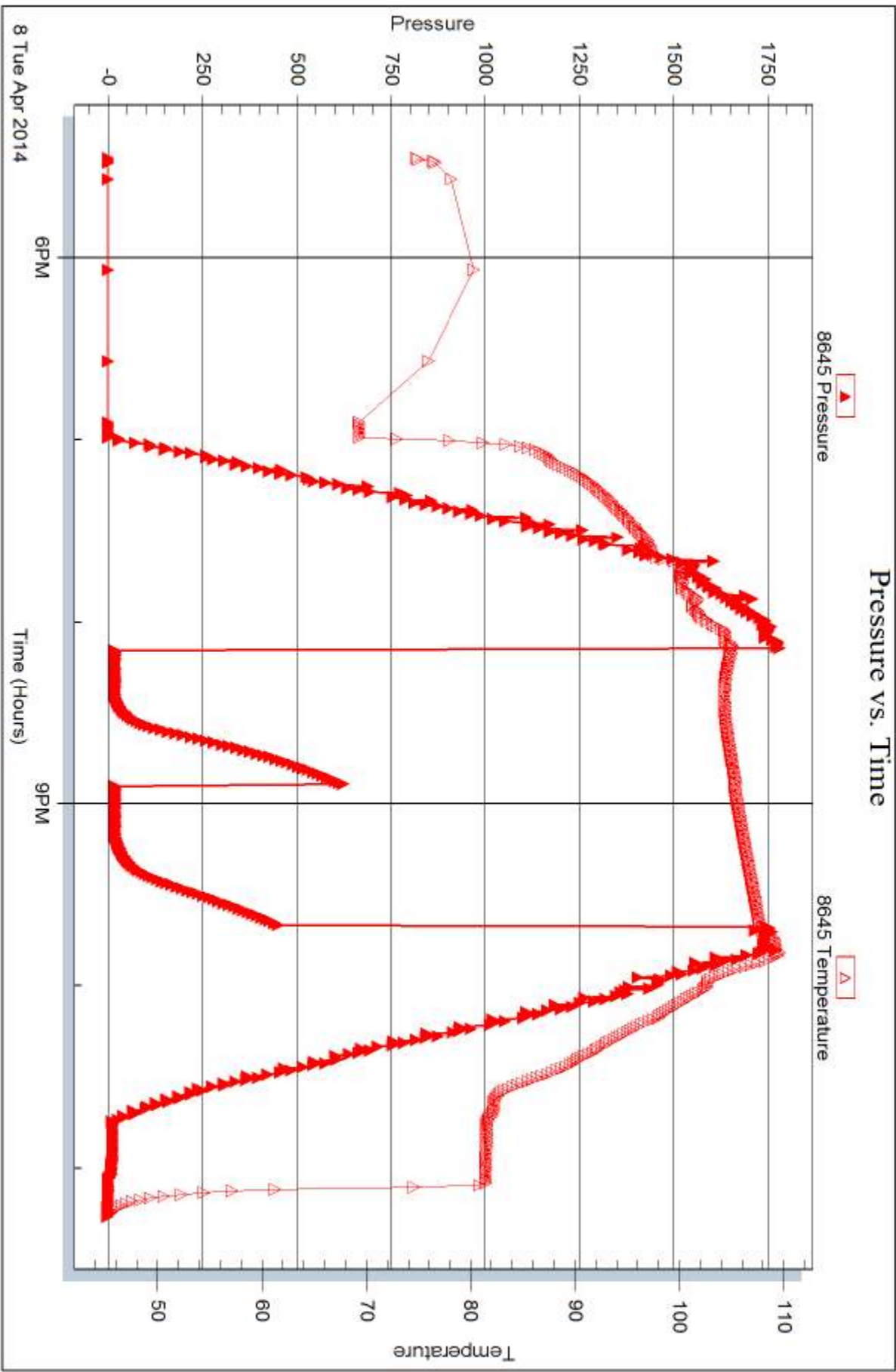


Serial #: 8645

Outside K3 Oil & Gas Operating Co.

36-15s-29w Gove KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **K3 Oil & Gas Operating Co.**

211 Highland Cross Suite 230
Houston, TX 77073

ATTN: Pat Deenihan

36-15s-29w Gove,KS

M. Coberly Partners #36-10

Start Date: 2014.04.09 @ 15:03:00

End Date: 2014.04.09 @ 20:59:00

Job Ticket #: 56265 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.04.14 @ 16:32:55



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56265

DST#: 2

ATTN: Pat Deenihan

Test Start: 2014.04.09 @ 15:03:00

GENERAL INFORMATION:

Formation: **LKC 'J'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:37:00
 Time Test Ended: 20:59:00
 Interval: **3961.00 ft (KB) To 3988.00 ft (KB) (TVD)**
 Total Depth: 3988.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 2602.00 ft (KB)
 2594.00 ft (CF)
 KB to GR/CF: 8.00 ft

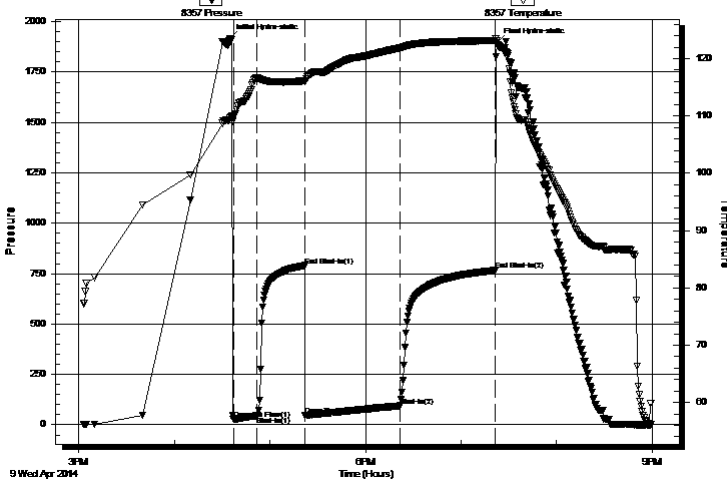
Serial #: 8357

Inside

Press@RunDepth: 93.73 psig @ 3963.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.09 End Date: 2014.04.09 Last Calib.: 2014.04.09
 Start Time: 15:03:05 End Time: 20:58:59 Time On Btm: 2014.04.09 @ 16:34:48
 Time Off Btm: 2014.04.09 @ 19:22:24

TEST COMMENT: 15- 6" Blow .
 30- No return.
 60- B.O.B.@ 48 min.
 60- No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1917.25	109.57	Initial Hydro-static
3	27.23	109.73	Open To Flow (1)
18	43.07	116.63	Shut-In(1)
48	790.16	116.14	End Shut-In(1)
48	47.03	115.95	Open To Flow (2)
107	93.73	121.86	Shut-In(2)
167	766.15	123.13	End Shut-In(2)
168	1897.83	123.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	OCM 40o 60m	0.63
63.00	GOCWM 10g 10w 10o 70m	0.88
62.00	OSWM 30w 70m	0.87
0.00	10' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

K3 Oil & Gas Operating Co.

211 Highland Cross Suite 230
Houston, TX 77073

ATTN: Pat Deenihan

M. Coberly Partners #36-10

36-15s-29w Gove,KS

Job Ticket: 56265 **DST#: 2**

Test Start: 2014.04.09 @ 15:03:00

GENERAL INFORMATION:

Formation: **LKC 'J'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:37:00

Time Test Ended: 20:59:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 3961.00 ft (KB) To 3988.00 ft (KB) (TVD)

Total Depth: 3988.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2602.00 ft (KB)

2594.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8645

Outside

Press@RunDepth: psig @ 3963.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.09

End Date: 2014.04.09

Last Calib.: 2014.04.09

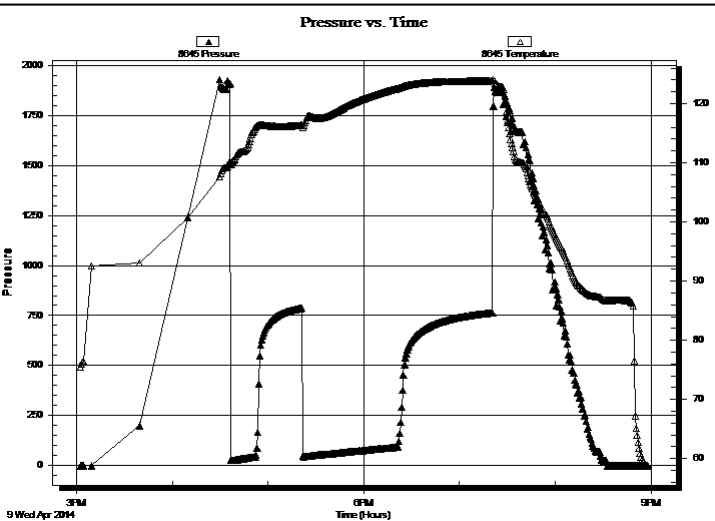
Start Time: 15:02:40

End Time: 20:58:04

Time On Btm:

Time Off Btm:

TEST COMMENT: 15- 6" Blow .
30- No return.
60- B.O.B. @ 48 min.
60- No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
45.00	OCM 40o 60m	0.63
63.00	GOCWM 10g 10w 10o 70m	0.88
62.00	OSWM 30w 70m	0.87
0.00	10' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56265

DST#: 2

ATTN: Pat Deenihan

Test Start: 2014.04.09 @ 15:03:00

Tool Information

Drill Pipe:	Length: 3955.00 ft	Diameter: 3.80 inches	Volume: 55.48 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 55.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3961.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	47.00 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			3942.00	
Shut In Tool	5.00			3947.00	
Hydraulic tool	5.00			3952.00	
Packer	5.00			3957.00	20.00 Bottom Of Top Packer
Packer	4.00			3961.00	
Stubb	1.00			3962.00	
Perforations	1.00			3963.00	
Recorder	0.00	8357	Inside	3963.00	
Recorder	0.00	8645	Outside	3963.00	
Perforations	22.00			3985.00	
Bullnose	3.00			3988.00	27.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56265

DST#: 2

ATTN: Pat Deenihan

Test Start: 2014.04.09 @ 15:03:00

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:

38000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 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 bbbl
45.00	OCM 40o 60m	0.631
63.00	GOCWM 10g 10w 10o 70m	0.884
62.00	OSWM 30w 70m	0.870
0.00	10' GIP	0.000

Total Length: 170.00 ft Total Volume: 2.385 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

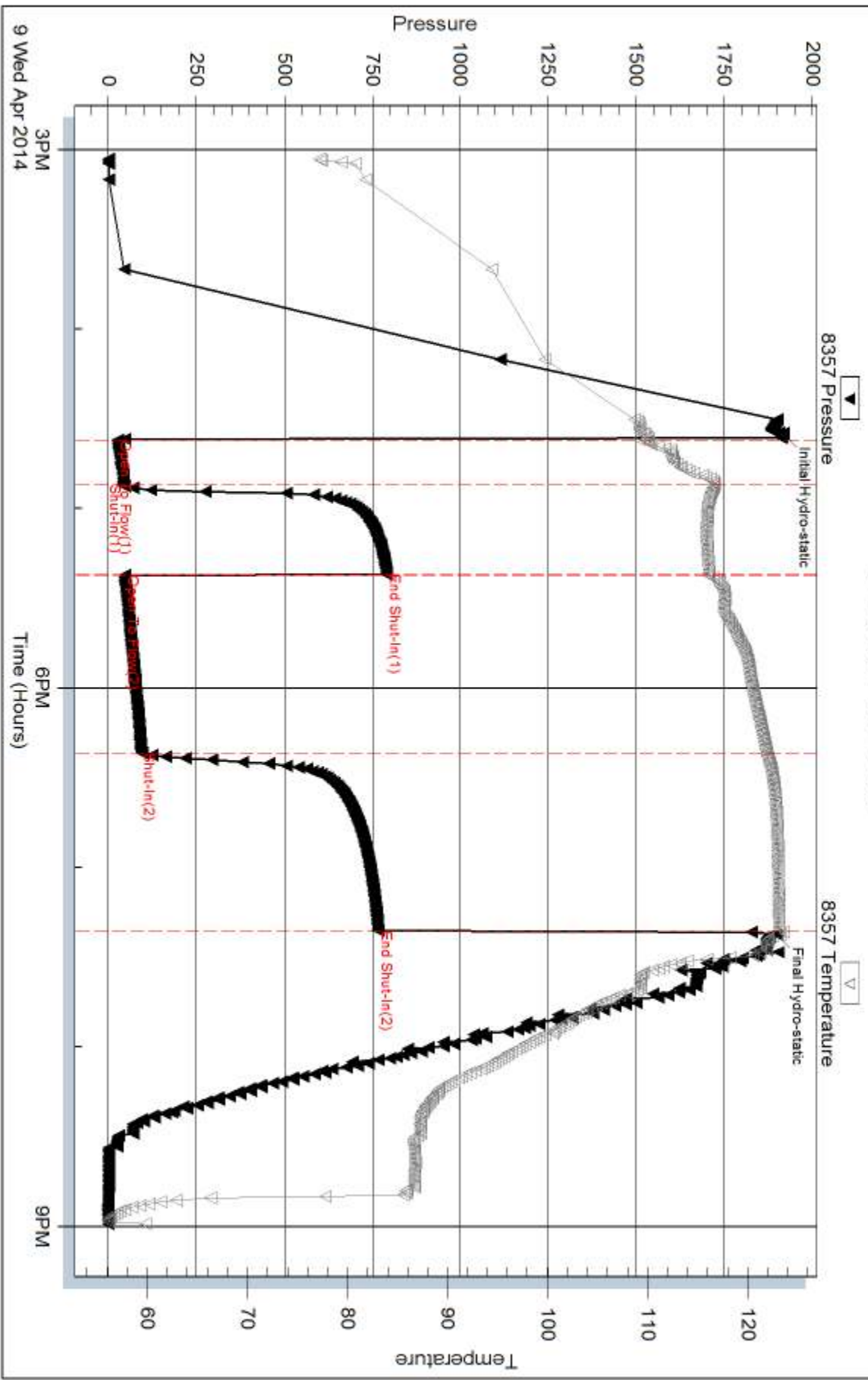
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .220 @ 60 Degrees F = 38000 PPM

Pressure vs. Time

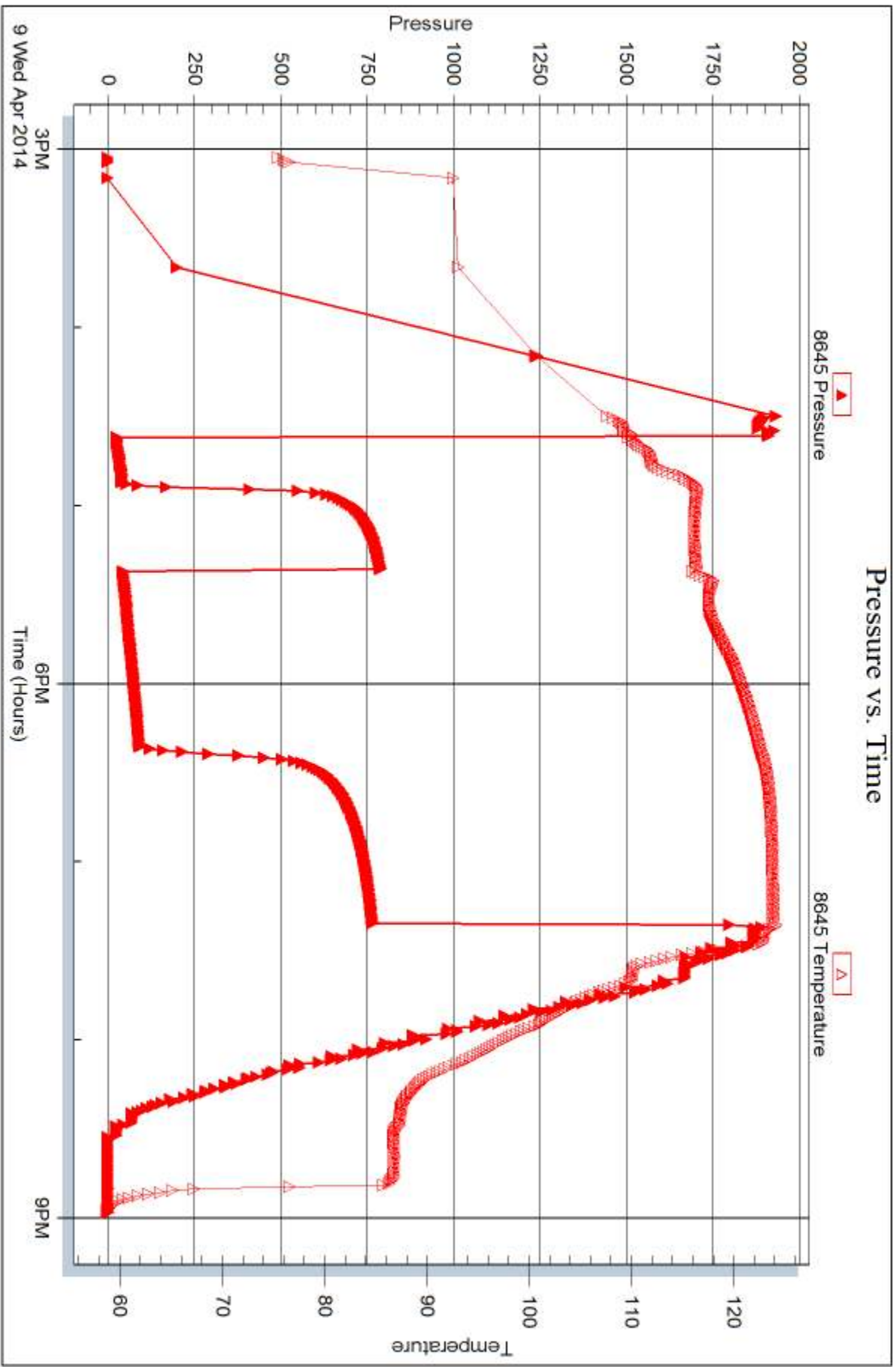


Serial #: 8645

Outside K3 Oil & Gas Operating Co.

36-15s-29w Gove KS

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 56265

Printed: 2014.04.14 @ 16:32:58



DRILL STEM TEST REPORT

Prepared For: **K3 Oil & Gas Operating Co.**

211 Highland Cross Suite 230
Houston, TX 77073

ATTN: Pat Deenihan

36-15s-29w Gove,KS

M. Coberly Partners #36-10

Start Date: 2014.04.10 @ 08:00:00

End Date: 2014.04.10 @ 13:49:00

Job Ticket #: 56266 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.04.14 @ 16:32:33

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

36-15s-29w Gove,KS

DST # 3

LKC 'L'

2014.04.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56266

DST#: 3

ATTN: Pat Deenihan

Test Start: 2014.04.10 @ 08:00:00

GENERAL INFORMATION:

Formation: **LKC 'L'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:17:18

Time Test Ended: 13:49:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4027.00 ft (KB) To 4052.00 ft (KB) (TVD)

Reference Elevations: 2602.00 ft (KB)

Total Depth: 4052.00 ft (KB) (TVD)

2594.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8357

Inside

Press@RunDepth: 273.51 psig @ 4029.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.10

End Date:

2014.04.10

Last Calib.:

2014.04.10

Start Time: 08:00:05

End Time:

13:48:59

Time On Btm:

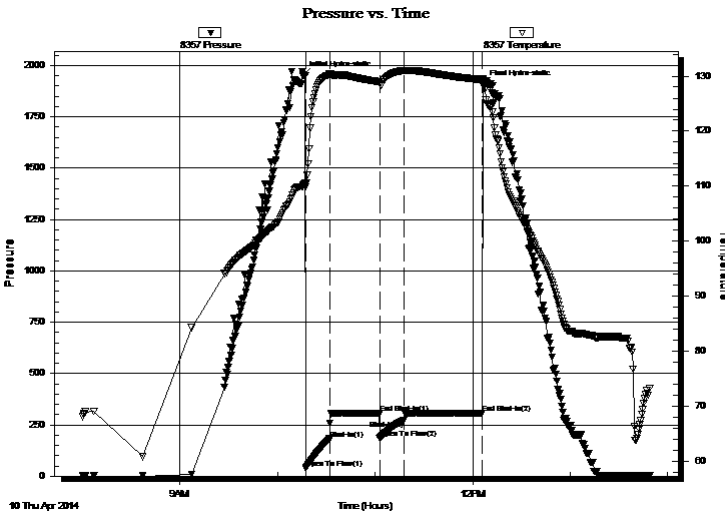
2014.04.10 @ 10:15:24

Time Off Btm:

2014.04.10 @ 12:06:18

TEST COMMENT: 15- B.O.B. @ 4 min.
30- Weak surface return.
15- B.O.B. @ 7 min.
45- Weak surface return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1951.86	110.00	Initial Hydro-static
2	38.26	109.90	Open To Flow (1)
17	182.05	130.35	Shut-In(1)
48	307.57	128.93	End Shut-In(1)
48	183.16	128.87	Open To Flow (2)
63	273.51	131.02	Shut-In(2)
111	307.17	129.34	End Shut-In(2)
111	1909.06	129.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	GOCWM 5g 5o 10w 80m	0.63
62.00	GOCMW 5g 5o 40m 50w	0.87
248.00	OSMW 15m 85w	3.48
186.00	OSMW 5m 95w	2.61
0.00	135' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

K3 Oil & Gas Operating Co.
 211 Highland Cross Suite 230
 Houston, TX 77073
 ATTN: Pat Deenihan

M. Coberly Partners #36-10
36-15s-29w Gove,KS
 Job Ticket: 56266 **DST#: 3**
 Test Start: 2014.04.10 @ 08:00:00

GENERAL INFORMATION:

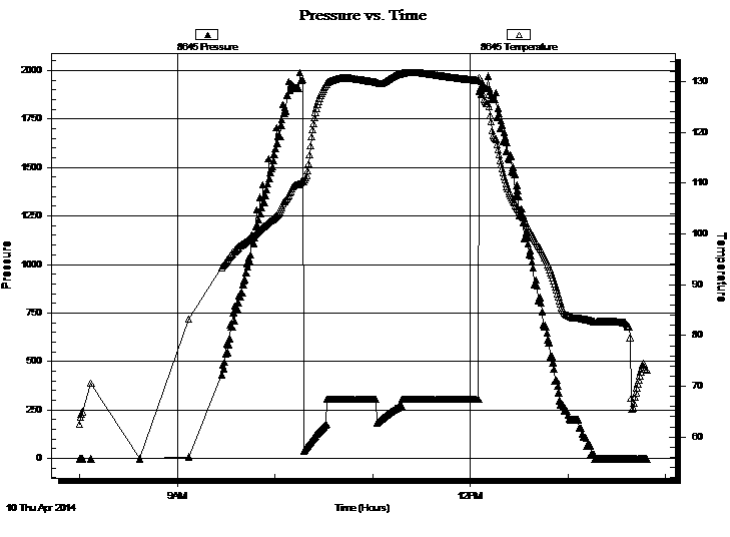
Formation: **LKC 'L'**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 10:17:18
 Tester: Chuck Smith
 Time Test Ended: 13:49:00
 Unit No: 62
Interval: 4027.00 ft (KB) To 4052.00 ft (KB) (TVD)
 Reference Elevations: 2602.00 ft (KB)
 Total Depth: 4052.00 ft (KB) (TVD)
 2594.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 8.00 ft

Serial #: 8645 Outside

Press@RunDepth:	psig @ 4029.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2014.04.10 End Date:	2014.04.10	Last Calib.: 2014.04.10
Start Time:	08:00:05 End Time:	13:48:12	Time On Btm:
			Time Off Btm:

TEST COMMENT: 15- B.O.B. @ 4 min.
 30- Weak surface return.
 15- B.O.B. @ 7 min.
 45- Weak surface return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
45.00	GOCWM 5g 5o 10w 80m	0.63
62.00	GOCMW 5g 5o 40m 50w	0.87
248.00	OSMW 15m 85w	3.48
186.00	OSMW 5m 95w	2.61
0.00	135' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56266

DST#: 3

ATTN: Pat Deenihan

Test Start: 2014.04.10 @ 08:00:00

Tool Information

Drill Pipe:	Length: 4018.00 ft	Diameter: 3.80 inches	Volume: 56.36 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4027.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 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			4008.00	
Shut In Tool	5.00			4013.00	
Hydraulic tool	5.00			4018.00	
Packer	5.00			4023.00	20.00 Bottom Of Top Packer
Packer	4.00			4027.00	
Stubb	1.00			4028.00	
Perforations	1.00			4029.00	
Recorder	0.00	8357	Inside	4029.00	
Recorder	0.00	8645	Outside	4029.00	
Perforations	20.00			4049.00	
Bullnose	3.00			4052.00	25.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56266

DST#: 3

ATTN: Pat Deenihan

Test Start: 2014.04.10 @ 08:00:00

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:

74000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GOCWM 5g 5o 10w 80m	0.631
62.00	GOCMW 5g 5o 40m 50w	0.870
248.00	OSMW 15m 85w	3.479
186.00	OSMW 5m 95w	2.609
0.00	135' GIP	0.000

Total Length: 541.00 ft Total Volume: 7.589 bbl

Num Fluid Samples: 0

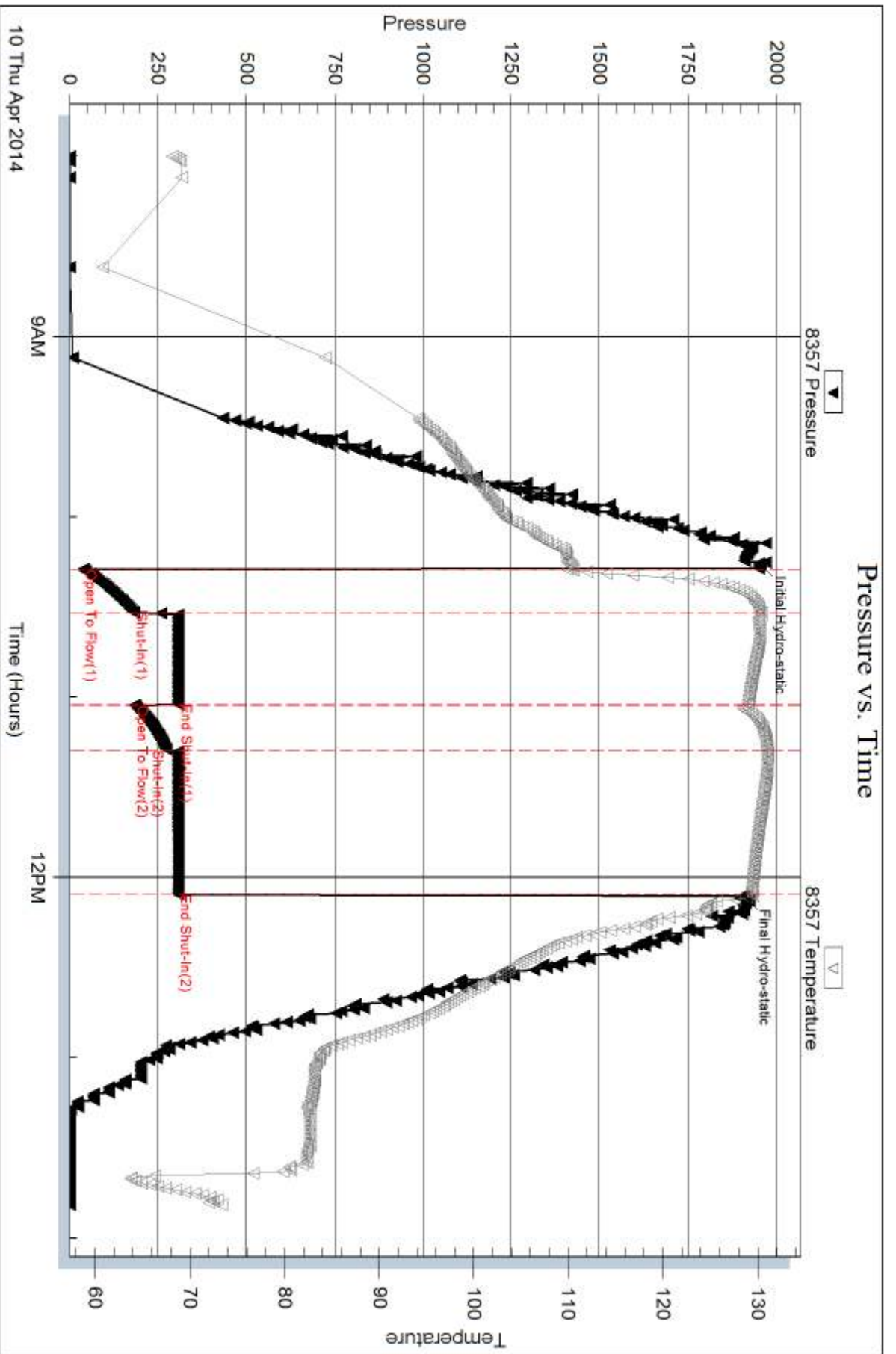
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .113 @ 64 Degrees F = 74000 PPM

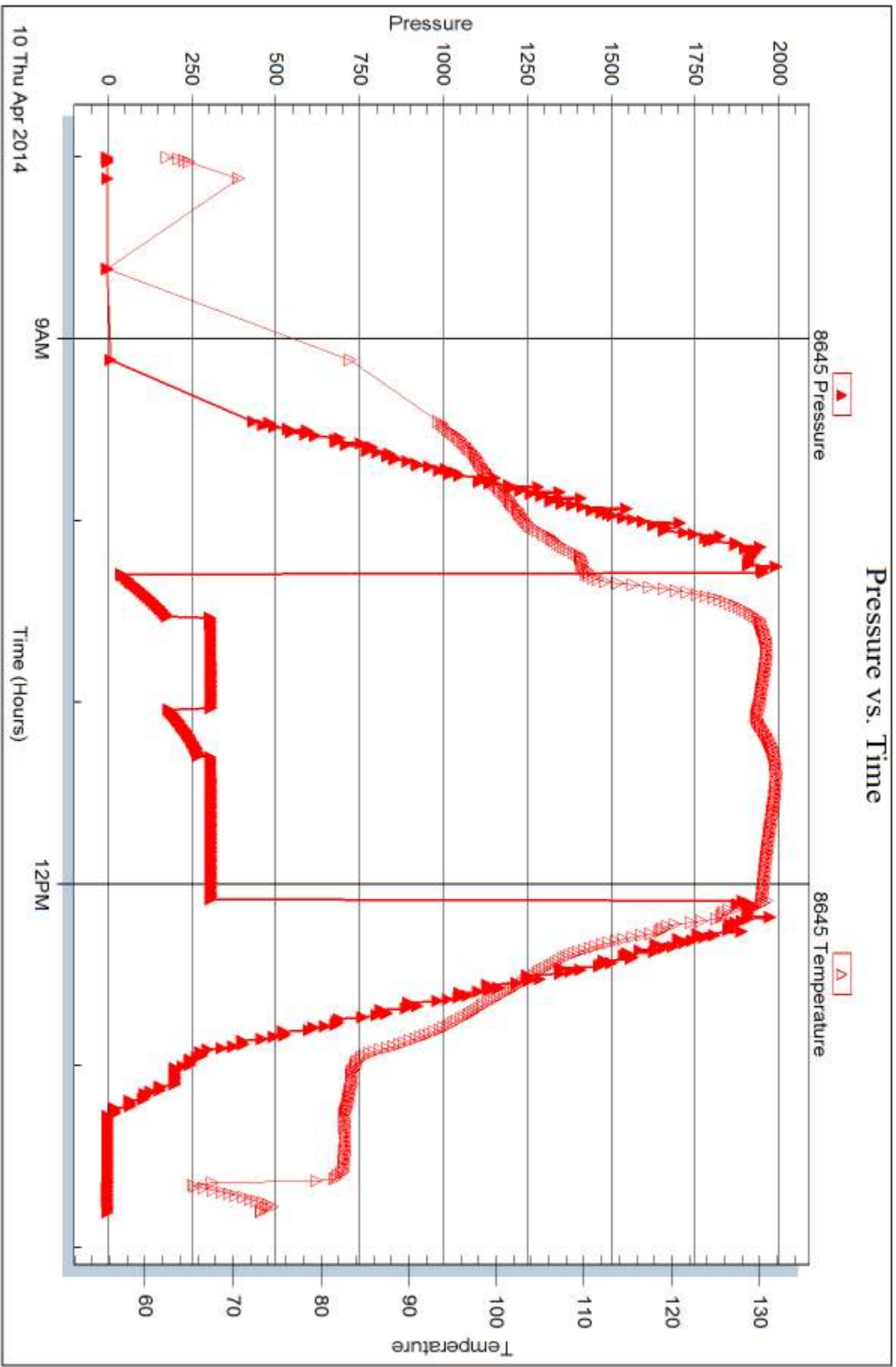


Serial #: 8645

Outside K3 Oil & Gas Operating Co.

36-15s-29w Gove KS

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 56266

Printed: 2014.04.14 @ 16:32:35



DRILL STEM TEST REPORT

Prepared For: **K3 Oil & Gas Operating Co.**

211 Highland Cross Suite 230
Houston, TX 77073

ATTN: Pat Deenihan

36-15s-29w Gove,KS

M. Coberly Partners #36-10

Start Date: 2014.04.11 @ 20:19:00

End Date: 2014.04.12 @ 04:09:42

Job Ticket #: 56267 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.04.14 @ 16:32:11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56267

DST#: 4

ATTN: Pat Deenihan

Test Start: 2014.04.11 @ 20:19:00

GENERAL INFORMATION:

Formation: **Pawnee - Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:09:00

Time Test Ended: 04:09:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4174.00 ft (KB) To 4280.00 ft (KB) (TVD)

Reference Elevations: 2602.00 ft (KB)

Total Depth: 4280.00 ft (KB) (TVD)

2594.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8357

Inside

Press@RunDepth: 265.34 psig @ 4176.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.11

End Date:

2014.04.12

Last Calib.:

2014.04.12

Start Time: 20:19:05

End Time:

04:09:42

Time On Btm:

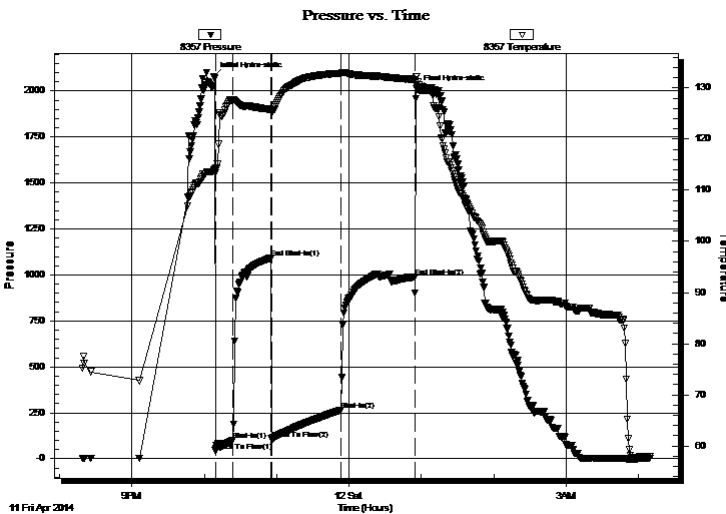
2014.04.11 @ 22:07:30

Time Off Btm:

2014.04.12 @ 00:55:54

TEST COMMENT: 15- B.O.B. @ 11 min.
32- 1 1/2" Return.
60- B.O.B. @ 7 min.
60- B.O.B. @ 16 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.85	113.83	Initial Hydro-static
2	43.16	113.41	Open To Flow (1)
17	101.38	127.71	Shut-In(1)
48	1091.60	125.81	End Shut-In(1)
49	107.13	125.50	Open To Flow (2)
106	265.34	132.88	Shut-In(2)
168	989.73	131.70	End Shut-In(2)
169	2009.94	132.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .150 @ 52 Degrees F = 76000 PPM	0.00
0.00	1740' GIP	0.00
248.00	OSMW 20m 80w	3.48
186.00	GWOCM 25g 5w 5o 65m	2.61
62.00	GMCO 20g 40m 40o	0.87
62.00	CGO 30g 70o	0.87

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

K3 Oil & Gas Operating Co.
211 Highland Cross Suite 230
Houston, TX 77073
ATTN: Pat Deenihan

M. Coberly Partners #36-10

36-15s-29w Gove,KS

Job Ticket: 56267 **DST#: 4**

Test Start: 2014.04.11 @ 20:19:00

GENERAL INFORMATION:

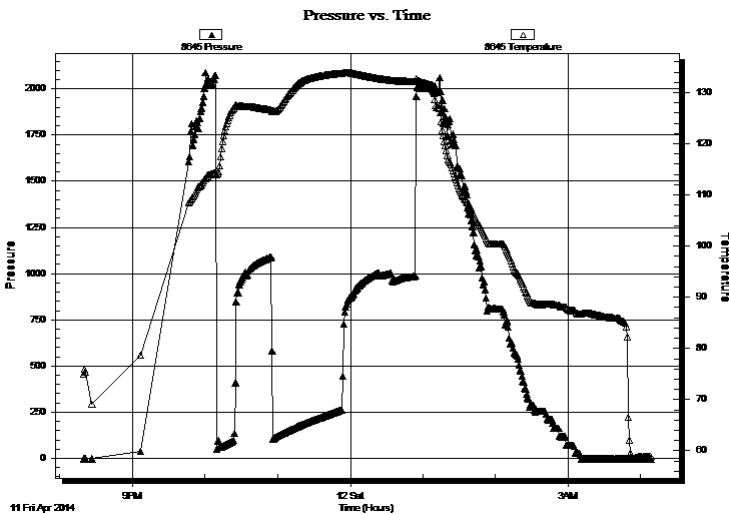
Formation: **Pawnee - Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:09:00
 Time Test Ended: 04:09:42
 Interval: **4174.00 ft (KB) To 4280.00 ft (KB) (TVD)**
 Total Depth: 4280.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 2602.00 ft (KB)
 2594.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8645

Outside

Press@RunDepth: psig @ 4176.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.11 End Date: 2014.04.12 Last Calib.: 2014.04.12
 Start Time: 20:19:35 End Time: 04:08:29 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15- B.O.B. @ 11 min.
 32- 1 1/2" Return.
 60- B.O.B. @ 7 min.
 60- B.O.B. @ 16 min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .150 @ 52 Degrees F = 76000 PPM	0.00
0.00	1740' GIP	0.00
248.00	OSMW 20m 80w	3.48
186.00	GWOCM 25g 5w 5o 65m	2.61
62.00	GMCO 20g 40m 40o	0.87
62.00	CGO 30g 70o	0.87

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56267

DST#: 4

ATTN: Pat Deenihan

Test Start: 2014.04.11 @ 20:19:00

Tool Information

Drill Pipe:	Length: 4173.00 ft	Diameter: 3.80 inches	Volume: 58.54 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 58.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.50 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4174.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	106.00 ft			
Tool Length:	133.50 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			4147.50	
Shut In Tool	5.00			4152.50	
Hydraulic tool	5.00			4157.50	
Jars	5.00			4162.50	
Safety Joint	2.50			4165.00	
Packer	5.00			4170.00	27.50 Bottom Of Top Packer
Packer	4.00			4174.00	
Stubb	1.00			4175.00	
Perforations	1.00			4176.00	
Recorder	0.00	8357	Inside	4176.00	
Recorder	0.00	8645	Outside	4176.00	
Perforations	6.00			4182.00	
Change Over Sub	1.00			4183.00	
Drill Pipe	93.00			4276.00	
Change Over Sub	1.00			4277.00	
Bullnose	3.00			4280.00	106.00 Bottom Packers & Anchor
Total Tool Length:	133.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56267

DST#: 4

ATTN: Pat Deenihan

Test Start: 2014.04.11 @ 20:19:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

76000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .150 @ 52 Degrees F = 76000 PPM	0.000
0.00	1740' GIP	0.000
248.00	OSMW 20m 80w	3.479
186.00	GWOCM 25g 5w 5o 65m	2.609
62.00	GMCO 20g 40m 40o	0.870
62.00	CGO 30g 70o	0.870

Total Length: 558.00 ft Total Volume: 7.828 bbl

Num Fluid Samples: 0

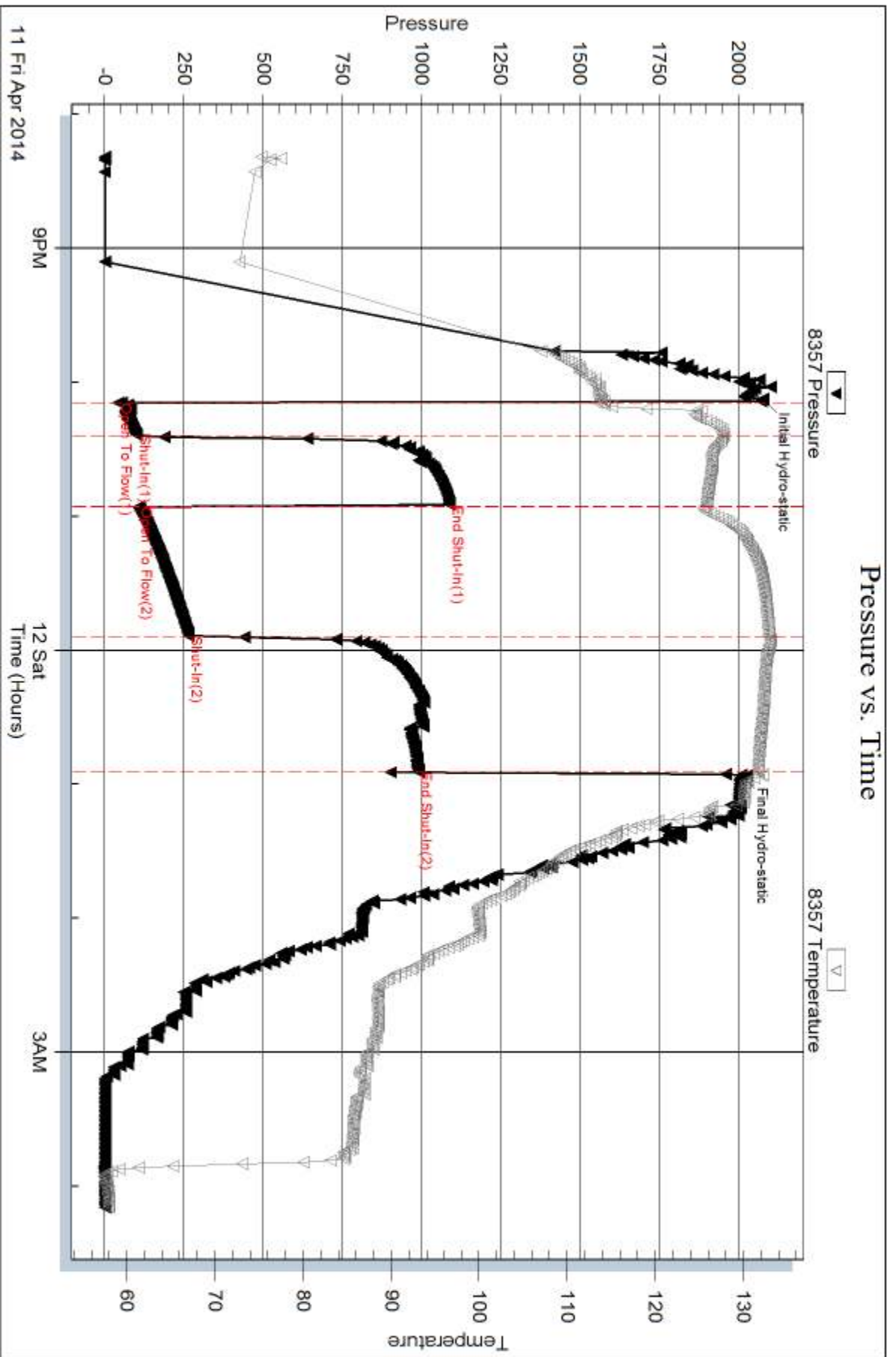
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 35 @ 60 Degrees F = 35.

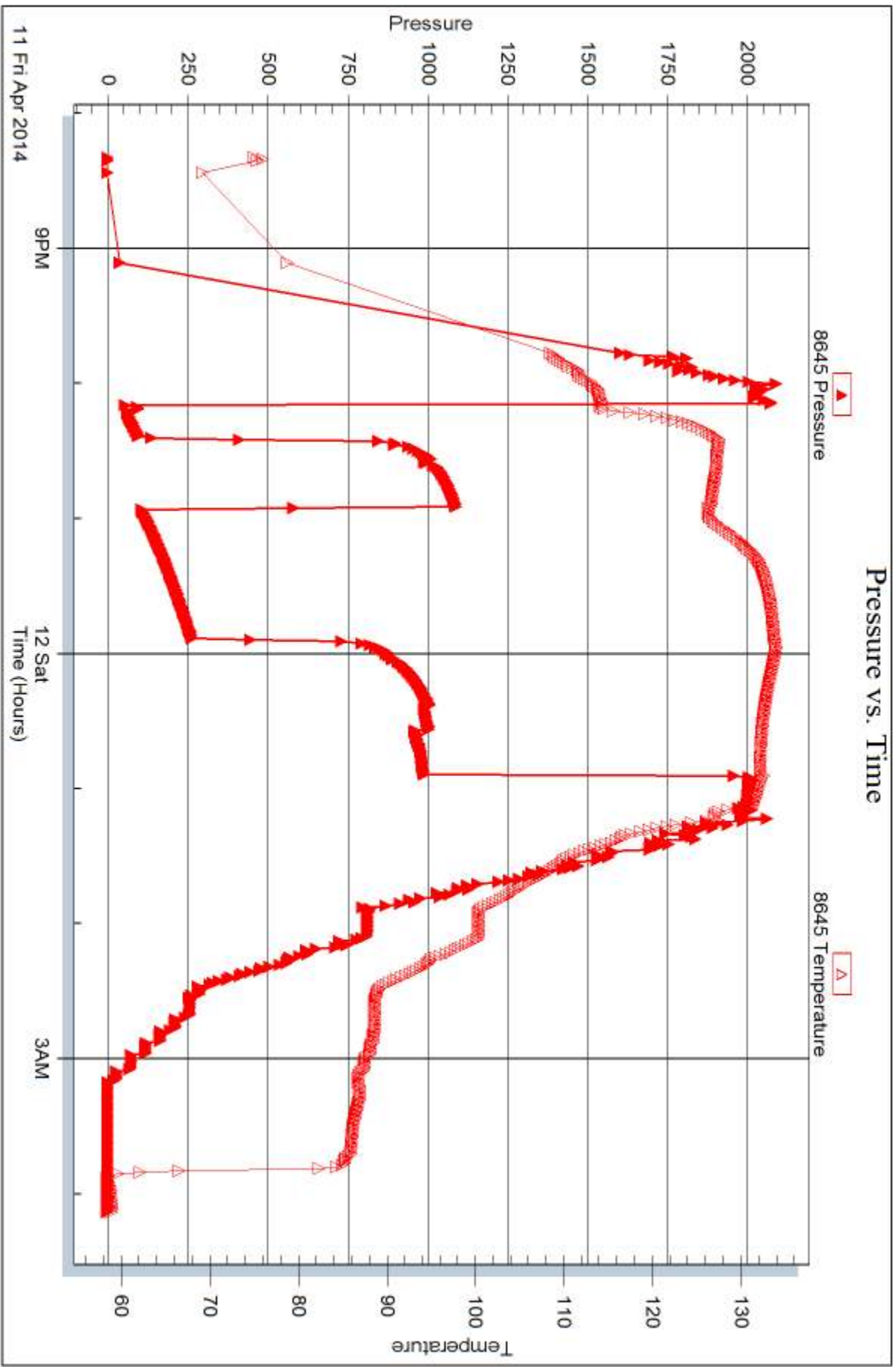


Serial #: 8645

Outside K3 Oil & Gas Operating Co.

36-15s-29w Gove KS

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 56267

Printed: 2014.04.14 @ 16:32:13



DRILL STEM TEST REPORT

Prepared For: **K3 Oil & Gas Operating Co.**

211 Highland Cross Suite 230
Houston, TX 77073

ATTN: Pat Deenihan

36-15s-29w Gove,KS

M. Coberly Partners #36-10

Start Date: 2014.04.12 @ 14:39:00

End Date: 2014.04.13 @ 01:35:42

Job Ticket #: 56268 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.04.14 @ 16:30:57



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56268

DST#: 5

ATTN: Pat Deenihan

Test Start: 2014.04.12 @ 14:39:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:41:17

Time Test Ended: 01:35:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4274.00 ft (KB) To 4305.00 ft (KB) (TVD)

Reference Elevations: 2602.00 ft (KB)

Total Depth: 4305.00 ft (KB) (TVD)

2594.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8357

Inside

Press@RunDepth: 27.37 psig @ 4278.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.12

End Date:

2014.04.13

Last Calib.: 2014.04.13

Start Time: 14:39:05

End Time:

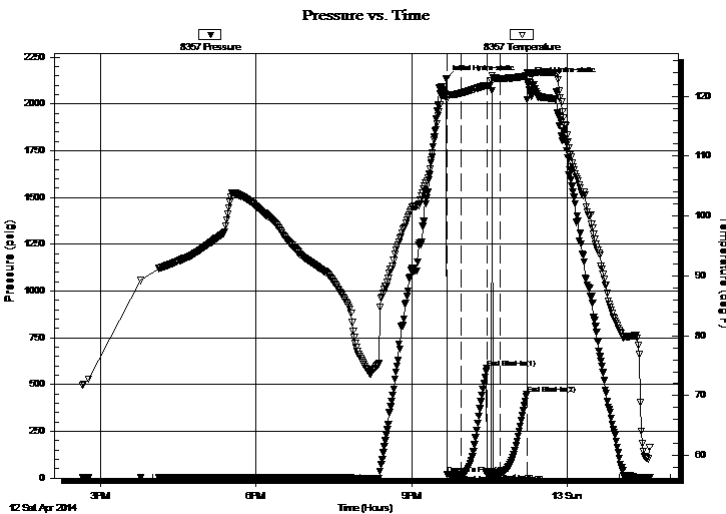
01:35:41

Time On Btm: 2014.04.12 @ 21:40:00

Time Off Btm: 2014.04.12 @ 23:14:30

TEST COMMENT: 15- No blow .
30- No return.
15- No blow , flushed tool, surge died, no blow .
30- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2133.42	120.09	Initial Hydro-static
2	20.25	119.39	Open To Flow (1)
18	20.33	120.55	Shut-In(1)
47	587.96	121.81	End Shut-In(1)
48	20.11	121.61	Open To Flow (2)
63	27.37	122.98	Shut-In(2)
94	449.87	123.40	End Shut-In(2)
95	2117.71	123.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M 100m	0.14

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56268 DST#: 5

ATTN: Pat Deenihan

Test Start: 2014.04.12 @ 14:39:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:41:17

Time Test Ended: 01:35:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: **4274.00 ft (KB) To 4305.00 ft (KB) (TVD)**

Reference Elevations: 2602.00 ft (KB)

Total Depth: 4305.00 ft (KB) (TVD)

2594.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8645 Outside

Press@RunDepth: psig @ 4278.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.12

End Date: 2014.04.13

Last Calib.: 2014.04.13

Start Time: 14:40:23

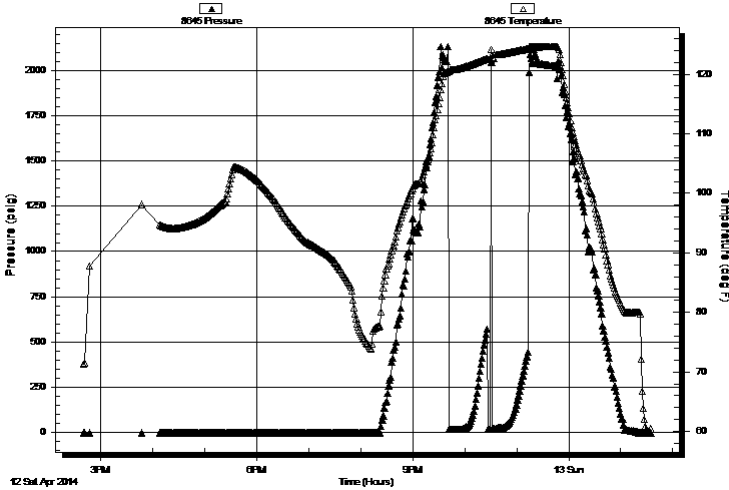
End Time: 01:34:54

Time On Btm:

Time Off Btm:

TEST COMMENT: 15- No blow.
30- No return.
15- No blow , flushed tool, surge died, no blow .
30- No return.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M 100m	0.14

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56268

DST#: 5

ATTN: Pat Deenihan

Test Start: 2014.04.12 @ 14:39:00

Tool Information

Drill Pipe:	Length: 4267.00 ft	Diameter: 3.80 inches	Volume: 59.85 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.50 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4274.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	58.50 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			4247.50	
Shut In Tool	5.00			4252.50	
Hydraulic tool	5.00			4257.50	
Jars	5.00			4262.50	
Safety Joint	2.50			4265.00	
Packer	5.00			4270.00	27.50 Bottom Of Top Packer
Packer	4.00			4274.00	
Stubb	1.00			4275.00	
Perforations	3.00			4278.00	
Recorder	0.00	8357	Inside	4278.00	
Recorder	0.00	8645	Outside	4278.00	
Perforations	24.00			4302.00	
Bullnose	3.00			4305.00	31.00 Bottom Packers & Anchor

Total Tool Length: 58.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K3 Oil & Gas Operating Co.

M. Coberly Partners #36-10

211 Highland Cross Suite 230
Houston, TX 77073

36-15s-29w Gove,KS

Job Ticket: 56268

DST#: 5

ATTN: Pat Deenihan

Test Start: 2014.04.12 @ 14:39:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M 100m	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8357

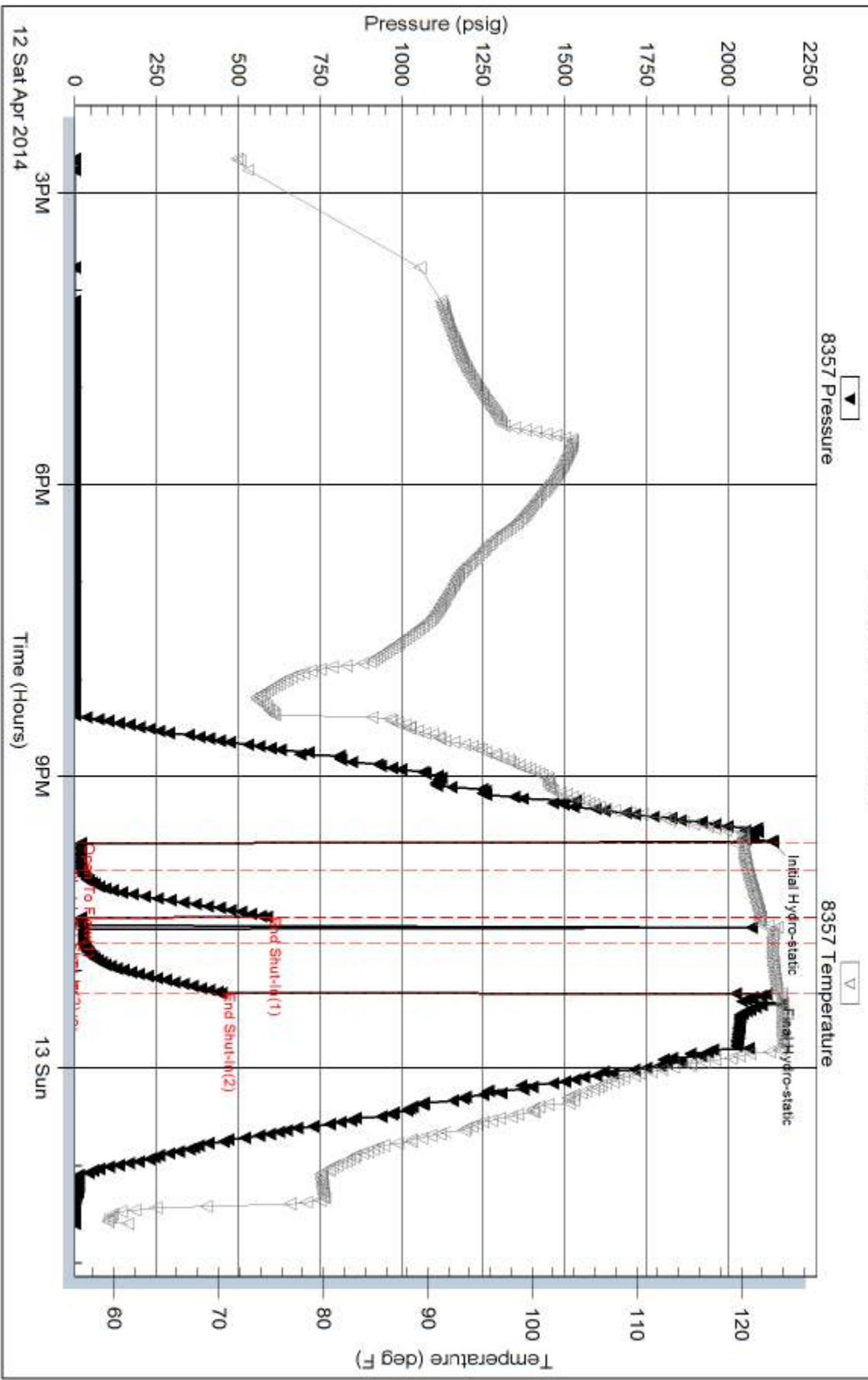
Inside

K3 Oil & Gas Operating Co.

36-15s-29w Gove KS

DST Test Number: 5

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 56268

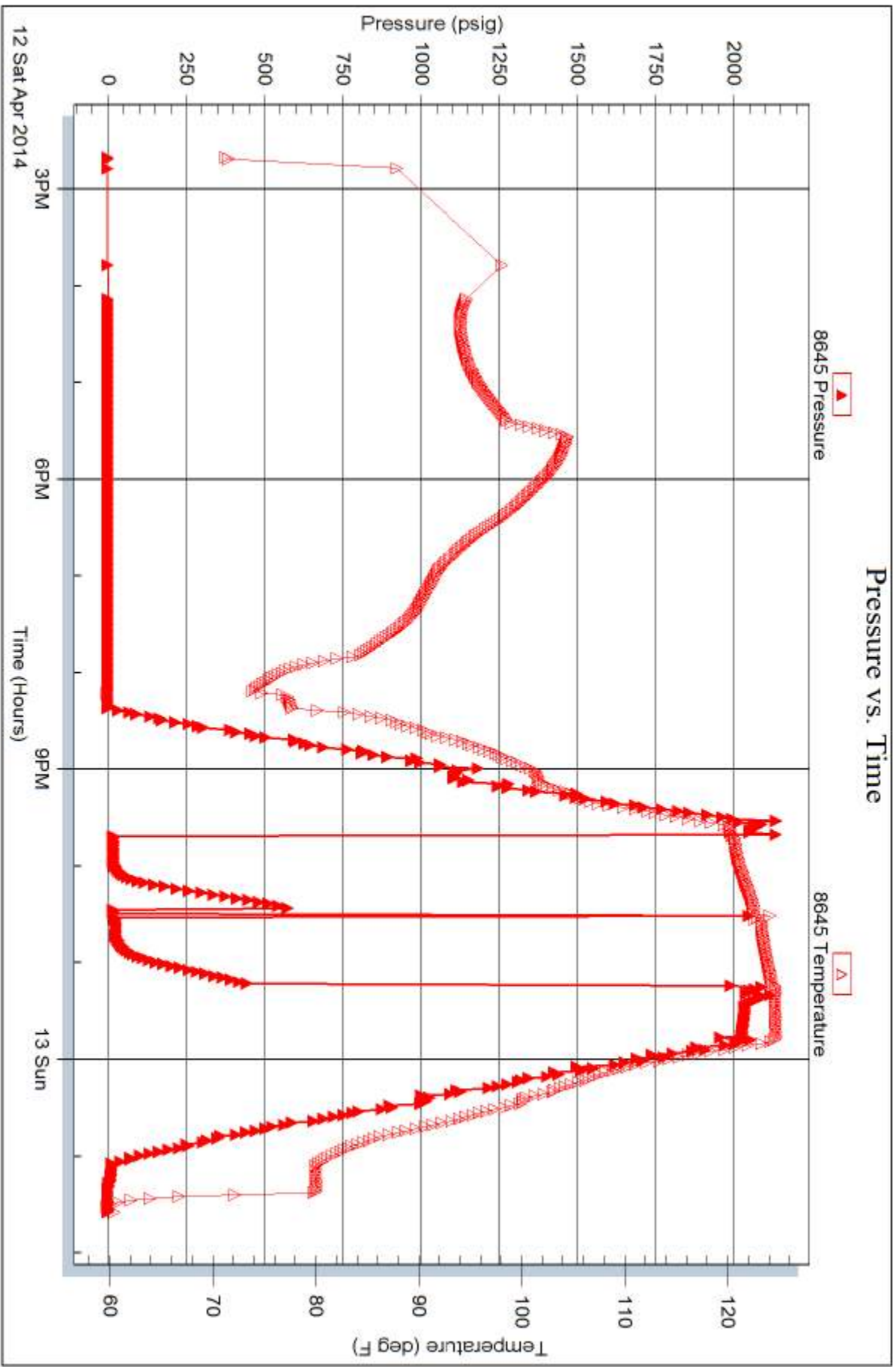
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Serial #: 8645

Outside K3 Oil & Gas Operating Co.

36-15s-29w Gove KS

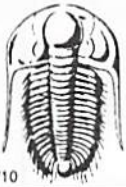
DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 56268

Printed: 2014.04.14 @ 16:30:59



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56264**

4/10

Well Name & No. M. Coberly Partners #36-10 Test No. 1 Date 4-8-14
 Company K.3 Oil + Gas Operating Co. Elevation 2602 KB 2594 GL
 Address 211 Highland Cross STE 230 Houston, TX 77073
 Co. Rep / Geo. Pat Deenihan Rig Duke #8
 Location: Sec. 36 Twp. 15s Rge. 29W Co. Gove State K5

Interval Tested 3785 - 3821 Zone Tested Lansing 'D-E'
 Anchor Length 36 Drill Pipe Run 3764 Mud Wt. 8.8
 Top Packer Depth 2781 Drill Collars Run 0 Vis 44
 Bottom Packer Depth 3785 Wt. Pipe Run 0 WL 6.4
 Total Depth 3821 Chlorides 1200 ppm System LCM 1#
 Blow Description 1/2" Blow receded to a weak surface blow.
No return.
No blow.
No return.

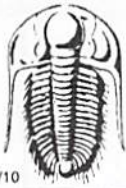
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>2</u>	Feet of <u>M with a couple oil spots.</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2 BHT 107 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1781</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>17:15</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>17:27</u>
(C) First Final Flow <u>20</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:09</u>
(D) Initial Shut-In <u>625</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>21:41</u>
(E) Second Initial Flow <u>20</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:17</u>
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>76RT</u> 117.80	Comments
(G) Final Shut-In <u>458</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1749</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1842.80</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1842.80</u>	

Approved By _____ Our Representative Chuck Smith

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56265**

4/10

Well Name & No. McCabech Partners 36-10 Test No. 2 Date 4-9-14
 Company K-3 Oil + Gas Operating, Inc. Elevation 2602 KB 2594 GL
 Address 211 Highland Cross STE 230 Houston, TX 77023
 Co. Rep / Geo. Pat Deenihan Rig Duke #8
 Location: Sec. 36 Twp. 15s Rge. 29w Co. Gove State KS

Interval Tested 3961-3988 Zone Tested Lansing 'J'
 Anchor Length 27 Drill Pipe Run 2 3955 Mud Wt. 9.1
 Top Packer Depth 3957 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 3961 Wt. Pipe Run 0 WL 7.2
 Total Depth 3988 Chlorides 2000 ppm System LCM 1"
 Blow Description 6" Blow.
No return.
B.O.B. @ 48 min
No return.

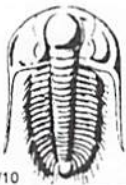
Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>OCM</u>	<u>40</u>		<u>60</u>	
<u>63</u>	<u>GOCWM</u>	<u>10</u>	<u>10</u>	<u>10</u>	<u>70</u>
<u>62</u>	<u>OSWM</u>			<u>30</u>	<u>70</u>
	<u>10' GIP</u>	<u>100</u>			

Rec Total 170 BHT 123 Gravity - API RW .220 @ 60 °F Chlorides 38000 ppm

(A) Initial Hydrostatic 1917 Test 1150 T-On Location 15:00
 (B) First Initial Flow 27 Jars T-Started 15:03
 (C) First Final Flow 43 Safety Joint T-Open 16:35
 (D) Initial Shut-In 790 Circ Sub NIC T-Pulled 19:22
 (E) Second Initial Flow 47 Hourly Standby T-Out 20:59
 (F) Second Final Flow 94 Mileage 76RT 117.80 Comments _____
 (G) Final Shut-In 766 Sampler _____
 (H) Final Hydrostatic 1898 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1517.80
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1517.80

Approved By Patricia Deenihan Our Representative Chuck Smith

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56266

Well Name & No. M. Coberly Partners 36-10 Test No. 3 Date 4-10-14
 Company K-3 Oil + Gas Operating, Inc. Elevation 2602 KB 2594 GL
 Address 211 Highland Cross STE 230 Houston, TX 77073
 Co. Rep / Geo. Pat Deenihan Rig Duke #8
 Location: Sec. 36 Twp. 15s Rge. 29w Co. Gove State KS

Interval Tested 4027-4052 Zone Tested 2'
 Anchor Length 2.5 Drill Pipe Run 4018 Mud Wt. 9.2
 Top Packer Depth 4023 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 4027 Wt. Pipe Run 0 WL 6.4
 Total Depth 4052 Chlorides 2400 ppm System LCM 1"

Blow Description B.O.B. @ 4 min.
Weak surface return.
B.O.B. @ 7 min.
Weak surface return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>GOCWM</u>	<u>5</u>	<u>5</u>	<u>10</u>	<u>80</u>
<u>62</u>	<u>GOCMW</u>	<u>5</u>	<u>5</u>	<u>50</u>	<u>40</u>
<u>248</u>	<u>OSMW</u>			<u>85</u>	<u>15</u>
<u>186</u>	<u>OSMW</u>			<u>95</u>	<u>5</u>
	<u>135' GIP</u>				

Rec Total 541 BHT 129 Gravity - API RW .113 @ 64 °F Chlorides 74000 ppm

(A) Initial Hydrostatic 1952 Test 1250 T-On Location 7:57
 (B) First Initial Flow 38 Jars _____ T-Started 8:00
 (C) First Final Flow 182 Safety Joint _____ T-Open 10:17
 (D) Initial Shut-In 308 Circ Sub NIC T-Pulled 73:49 12:06
 (E) Second Initial Flow 183 Hourly Standby _____ T-Out 13:49
 (F) Second Final Flow 274 Mileage 76RT 117.80 Comments _____
 (G) Final Shut-In 307 Sampler _____
 (H) Final Hydrostatic 1909 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Initial Open 15 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 15 Day Standby _____ Total 1617.80
 Final Shut-In 45 Accessibility _____ MP/DST Disc't _____
 Sub Total 1617.80

Approved By Pat Deenihan Our Representative Chuck Smith

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56267**

Well Name & No. M. Coberly Partners 36-10 Test No. 4 Date 4-11-14
 Company K-3 Oil + Gas Operating, Inc. Elevation 2602 KB 2594 GL
 Address 211 Highland Cross STE 230 Houston, TX 77073
 Co. Rep / Geo. Pat Deemihan Rig Duke #8
 Location: Sec. 36 Twp. 15s Rge. 29w Co. Gove State Ks

Interval Tested 4174-4280 Zone Tested Pawnee - Ft. Scott
 Anchor Length 106 Drill Pipe Run 4173 Mud Wt. 9.2
 Top Packer Depth 4170 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 4174 Wt. Pipe Run 0 WL 6.4
 Total Depth 4280 Chlorides 2800 ppm System LCM 1"

Blow Description B.O.B. @ 11 min
1 1/2" Return
B.O.B. @ 7 min.
B.O.B. @ 16 min.

Rec	Feet of	%gas	%oil	%water	%mud
62	CGO	30	70		
62	GMCO	20	40		40
186	GWOCM	25	5	5	65
248	OSMW			80	20
	1740' weak GIP				

Rec Total 558 BHT 132 Gravity 35 API RW .150 @ 52 °F Chlorides 76000 ppm

(A) Initial Hydrostatic 2079 Test 1250 T-On Location 20:15
 (B) First Initial Flow 43 Jars 250 T-Started 20:19
 (C) First Final Flow 101 Safety Joint 75 T-Open 22:09
 (D) Initial Shut-In 1092 Circ Sub NIC T-Pulled 00:55
 (E) Second Initial Flow 107 Hourly Standby _____ T-Out 4:10
 (F) Second Final Flow 265 Mileage 117.80 Comments _____
 (G) Final Shut-In 990 Sampler _____
 (H) Final Hydrostatic 2010 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____

Initial Open 15 Extra Packer _____ Extra Copies _____
 Initial Shut-In 32 Extra Recorder _____ Sub Total 216.67
 Final Flow 60 Day Standby 1d 6.5h Total 2159.47
 Final Shut-In 60 Accessibility _____ MP/DST Disc't _____
 Sub Total 1942.80

Approved By Patrick Deemihan Our Representative Chuck Amish

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56268

Well Name & No. M. Coberly Partners #36-10 Test No. 5 Date 4-12-14
 Company K-3 Oil + Gas Operating, Inc. Elevation 2602 KB 2594 GL
 Address 211 Highland Cross STE 230 Houston, TX 77073
 Co. Rep / Geo. Pat Deenihan Rig Duke #8
 Location: Sec. 36 Twp. 15s Rge. 29W Co. Gove State Ks

Interval Tested 4274-4305 Zone Tested Johnson
 Anchor Length 31 Drill Pipe Run 4267 Mud Wt. 9.2
 Top Packer Depth 4270 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 4274 Wt. Pipe Run 0 WL 7.6
 Total Depth 4305 Chlorides 3500 ppm System LCM 1"

Blow Description No blow.
No return.
No blow, flushed tool, surge died, no blows.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>M</u>				<u>100</u>
Rec	Feet of				
Rec	Feet of				
Rec	Feet of				

Rec Total 10 BHT 123 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2133 Test 1250 T-On Location 14:37
 (B) First Initial Flow 20 Jars 250 T-Started 14:39
 (C) First Final Flow 20 Safety Joint 75 T-Open 21:41
 (D) Initial Shut-In 588 Circ Sub N/C T-Pulled 23:13
 (E) Second Initial Flow 20 Hourly Standby 100 T-Out 1:36
 (F) Second Final Flow 27 Mileage 76 x 2 235.60 Comments Rig re-lined bores
 (G) Final Shut-In 450 Sampler — after coming out with bit.
 (H) Final Hydrostatic 2118 Straddle — Picked up tools 4-13 6:00pm
 Ruined Shale Packer —
 Shale Packer 250 Ruined Packer —
 Extra Packer — Extra Copies —
 Initial Open 15 Extra Recorder — Sub Total 0
 Initial Shut-In 30 Day Standby — Total 2160.60
 Final Flow 15 Accessibility — MP/DST Disc't —
 Final Shut-In 30 Sub Total 2160.60

Approved By [Signature] Our Representative Chuck Amick

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