

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

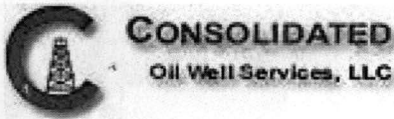
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Questa Energy Corporation
Well Name	ZERR 1-23
Doc ID	1315851

All Electric Logs Run

Sonic Log
Induction Log
Dual compensated Porosity Log
Micro Resistivity Log



REMIT TO
 Consolidated Oil Well Services, LLC
 Dept:970
 P.O.Box 4346
 Houston, TX 77210-4346

MAIN OFFICE

P.O.Box884
 Chanute, KS 66720
 620/431-9210, 1-800/467-8676
 Fax 620/431-0012

Invoice

Invoice#

808374

Invoice Date: 08/22/16

Terms: Net 30

Page 1

QUESTA ENERGY CORPORATION

C/O BADGER RESOURCES, INC **Box 578**
 PERRYTON TX 79070
 USA
 8063588161

ZERR 1-23

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0471	Cement Pump Charge 301' - 500' (Coalbed/Methane)	1.000	1,150.0000	45.000	632.50
CE0002	Equipment Mileage Charge - Heavy Equipment	10.000	7.1500	45.000	39.33
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	45.000	363.00
CC5871	Surface Blend II, 2% Gel/3% CaCl	165.000	23.0000	45.000	2,087.25

Subtotal 5,676.50

Discounted Amount 2,554.43

SubTotal After Discount 3,122.07

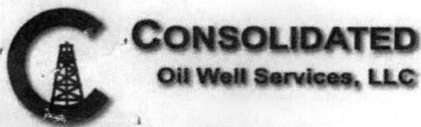
Amount Due 5,999.08 If paid after 09/21/16

Tax: 177.42

Total: 3,299.50

102

Zerr # 1-23
 RECEIVED
 AUG 26 2016
 [Signature]



PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

64608
6372
INVOICE # 808374

TICKET NUMBER 51572
LOCATION Oakley Ks ✓
FOREMAN Walt Dinkel

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-18-16	6609	Zerr 1-23	23	12 ^s	31 ^w	Gove

CUSTOMER		TRUCK #		DRIVER	
Questa Energy Corporation		753	miles Shaw		
Global Resources, Inc.		460	Rob Summers		
CITY PERCYTON		STATE TX		ZIP CODE 79070	

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 244' CASING SIZE & WEIGHT 8 5/8 - 24#
 CASING DEPTH 243 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15-20'
 DISPLACEMENT 14.1/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Safety meeting, Rig up on Discovery #2, circ casing on bottom, mix 165 sks conc, 3% CC - 2% Cu, Displace w/ 14 1/4 BBL #20, Cement Did Cure

Thank You
Walt & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
Ceo 471	1	PUMP CHARGE	1,150.00	1,150.00
Ce0002	10	MILEAGE	71.50	715.00
Ce0711	7.76	Tow Mileage Delivery (min)	660.00	660.00
CC5871	165 sks	Surface Blend II	23.00	3,795.00
				5,676.50
		Less 45% Disc		2,554.48
				3,122.02
				177.42
		SALES TAX		
		ESTIMATED TOTAL		3299.50

Ravin 3737

AUTHORIZATION Doug E. TITLE Supervisor DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DRILL STEM TEST REPORT

Prepared For: **Questa Energy Corporation**

PO Box 50968
Amarillo TX 79159+0968

ATTN: Justin Carter

Zerr #1-23

23-12S-31W Gove,KS

Start Date: 2016.08.24 @ 04:19:00

End Date: 2016.08.24 @ 11:08:30

Job Ticket #: 65113 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.08.26 @ 11:49:35



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Questa Energy Corporation

23-12S-31W Gove,KS

PO Box 50968
Amarillo TX 79159+0968

Zerr #1-23

Job Ticket: 65113

DST#: 1

ATTN: Justin Carter

Test Start: 2016.08.24 @ 04:19:00

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:17:00

Time Test Ended: 11:08:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 4356.00 ft (KB) To 4390.00 ft (KB) (TVD)

Reference Elevations: 2837.00 ft (KB)

Total Depth: 4390.00 ft (KB) (TVD)

2829.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6999 Inside

Press@RunDepth: 62.78 psig @ 4386.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.24

End Date:

2016.08.24

Last Calib.:

2016.08.24

Start Time: 04:19:05

End Time:

11:08:29

Time On Btm:

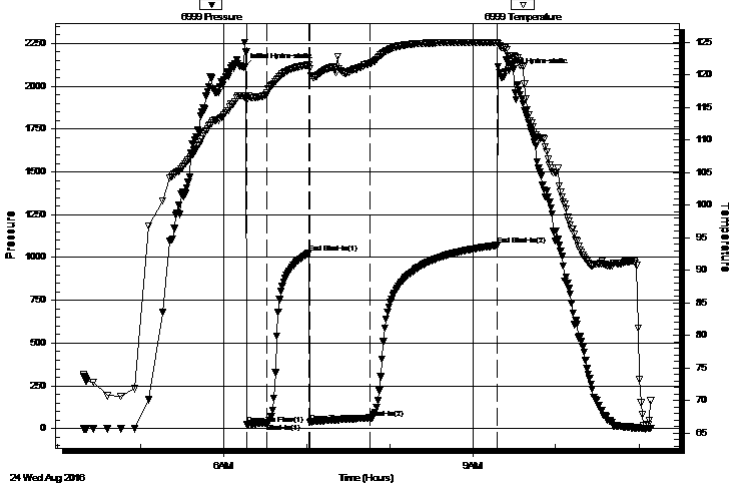
2016.08.24 @ 06:15:00

Time Off Btm:

2016.08.24 @ 09:19:30

TEST COMMENT: IFP 15 Minutes Blow built to 4 1/2"
ISI 30 Minutes No blow back
FFP 45 Minutes Blow built to 2" and held throughout
FSI 90 Minutes No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2108.70	116.74	Initial Hydro-static
2	24.17	116.03	Open To Flow (1)
16	33.02	117.03	Shut-In(1)
47	1024.50	121.52	End Shut-In(1)
48	36.80	120.95	Open To Flow (2)
91	62.78	121.80	Shut-In(2)
183	1070.79	125.01	End Shut-In(2)
185	2079.28	124.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MW Mud 40% Water 60%	0.54
30.00	OCM Oil 5% Mud 95%	0.26
30.00	Clean Oil 100%	0.26
0.00	186' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Questa Energy Corporation
 PO Box 50968
 Amarillo TX 79159+0968
 ATTN: Justin Carter

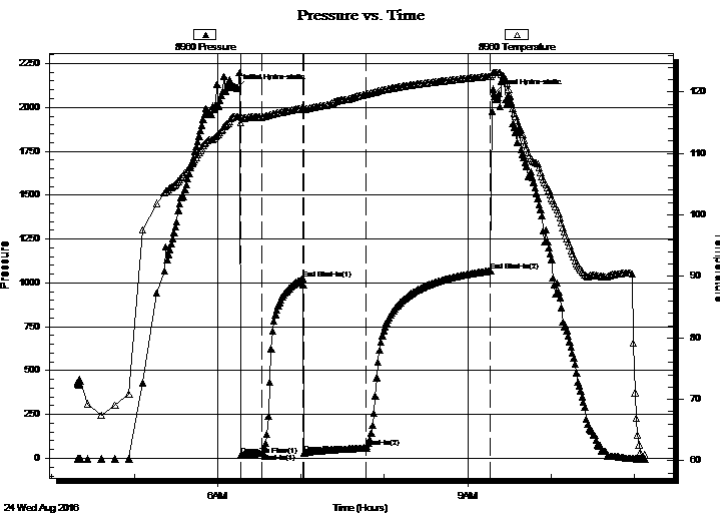
23-12S-31W Gove,KS
Zerr #1-23
 Job Ticket: 65113 **DST#: 1**
 Test Start: 2016.08.24 @ 04:19:00

GENERAL INFORMATION:

Formation: **Ft Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:17:00
 Time Test Ended: 11:08:30
 Interval: **4356.00 ft (KB) To 4390.00 ft (KB) (TVD)**
 Total Depth: 4390.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 2837.00 ft (KB)
 2829.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8960 Outside
 Press@RunDepth: 1068.72 psig @ 4387.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.24 End Date: 2016.08.24 Last Calib.: 2016.08.24
 Start Time: 04:19:05 End Time: 11:07:59 Time On Btm: 2016.08.24 @ 06:14:00
 Time Off Btm: 2016.08.24 @ 09:19:00

TEST COMMENT: IFP 15 Minutes Blow built to 4 1/2"
 ISI 30 Minutes No blow back
 FFP 45 Minutes Blow built to 2" and held throughout
 FSI 90 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2108.95	115.97	Initial Hydro-static
3	17.43	115.01	Open To Flow (1)
18	29.41	115.94	Shut-In(1)
47	1024.73	117.40	End Shut-In(1)
48	30.72	117.11	Open To Flow (2)
93	61.16	119.61	Shut-In(2)
183	1068.72	122.55	End Shut-In(2)
185	2079.58	123.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MW Mud 40% Water 60%	0.54
30.00	OCM Oil 5% Mud 95%	0.26
30.00	Clean Oil 100%	0.26
0.00	186' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Questa Energy Corporation

23-12S-31W Gove,KS

PO Box 50968
Amarillo TX 79159+0968

Zerr #1-23

Job Ticket: 65113

DST#: 1

ATTN: Justin Carter

Test Start: 2016.08.24 @ 04:19:00

Tool Information

Drill Pipe:	Length: 4031.00 ft	Diameter: 3.80 inches	Volume: 56.54 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 317.00 ft	Diameter: 3.00 inches	Volume: 2.77 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	74000.00 lb
			<u>Total Volume: 59.31 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4356.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	61.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4334.00	
Hydraulic tool	5.00			4339.00	
Jars	5.00			4344.00	
Safety Joint	2.00			4346.00	
Top Packer	5.00			4351.00	
Packer	5.00			4356.00	27.00 Bottom Of Top Packer
Anchor	29.00			4385.00	
Recorder	1.00	6999	Inside	4386.00	
Recorder	1.00	8960	Outside	4387.00	
Bullnose	3.00			4390.00	34.00 Anchor Tool
Total Tool Length:	61.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Questa Energy Corporation

23-12S-31W Gove,KS

PO Box 50968
Amarillo TX 79159+0968

Zerr #1-23

Job Ticket: 65113

DST#: 1

ATTN: Justin Carter

Test Start: 2016.08.24 @ 04:19:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 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
62.00	MW Mud 40% Water 60%	0.542
30.00	OCM Oil 5% Mud 95%	0.262
30.00	Clean Oil 100%	0.262
0.00	186' GIP	0.000

Total Length: 122.00 ft Total Volume: 1.066 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

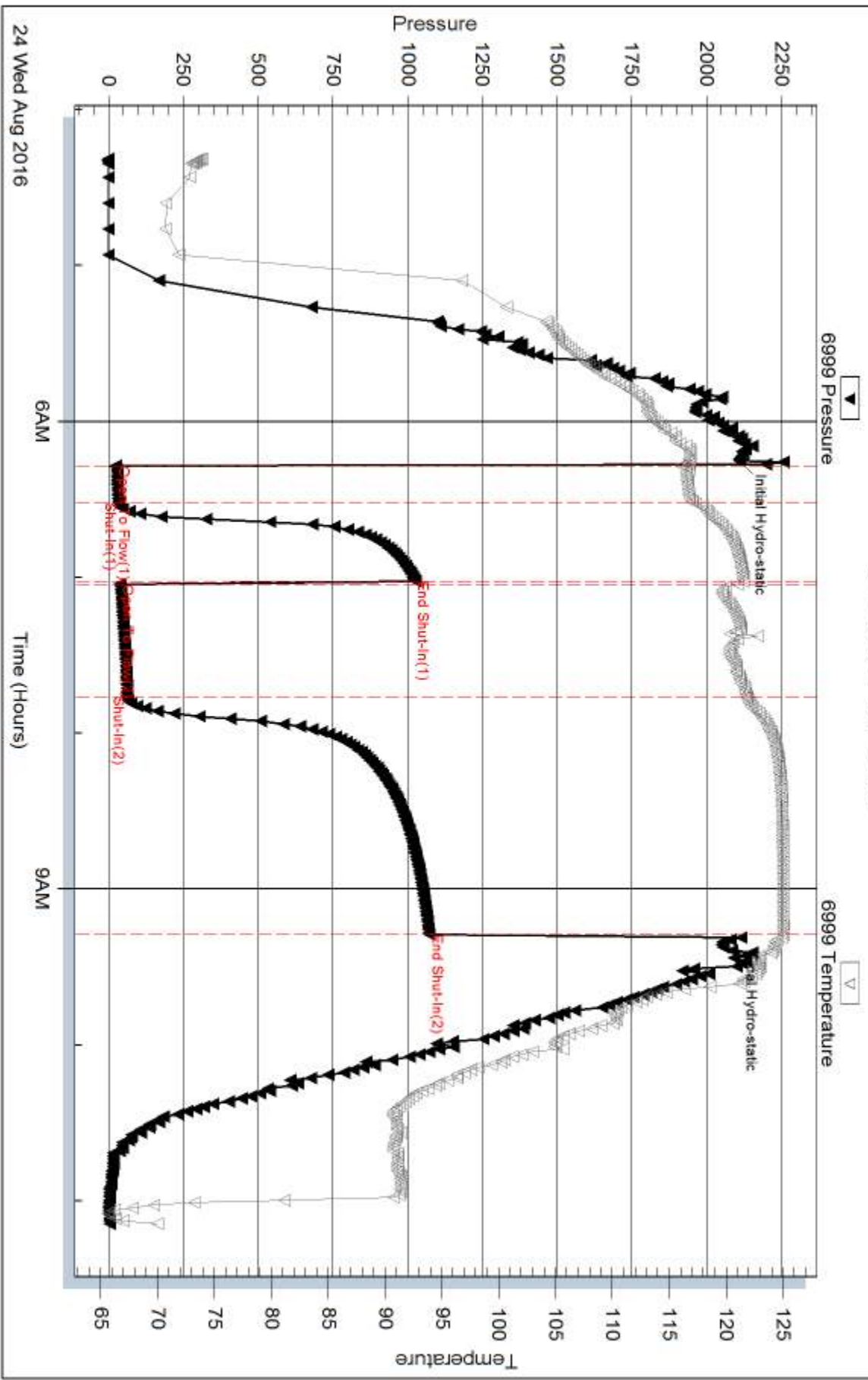
Serial #:

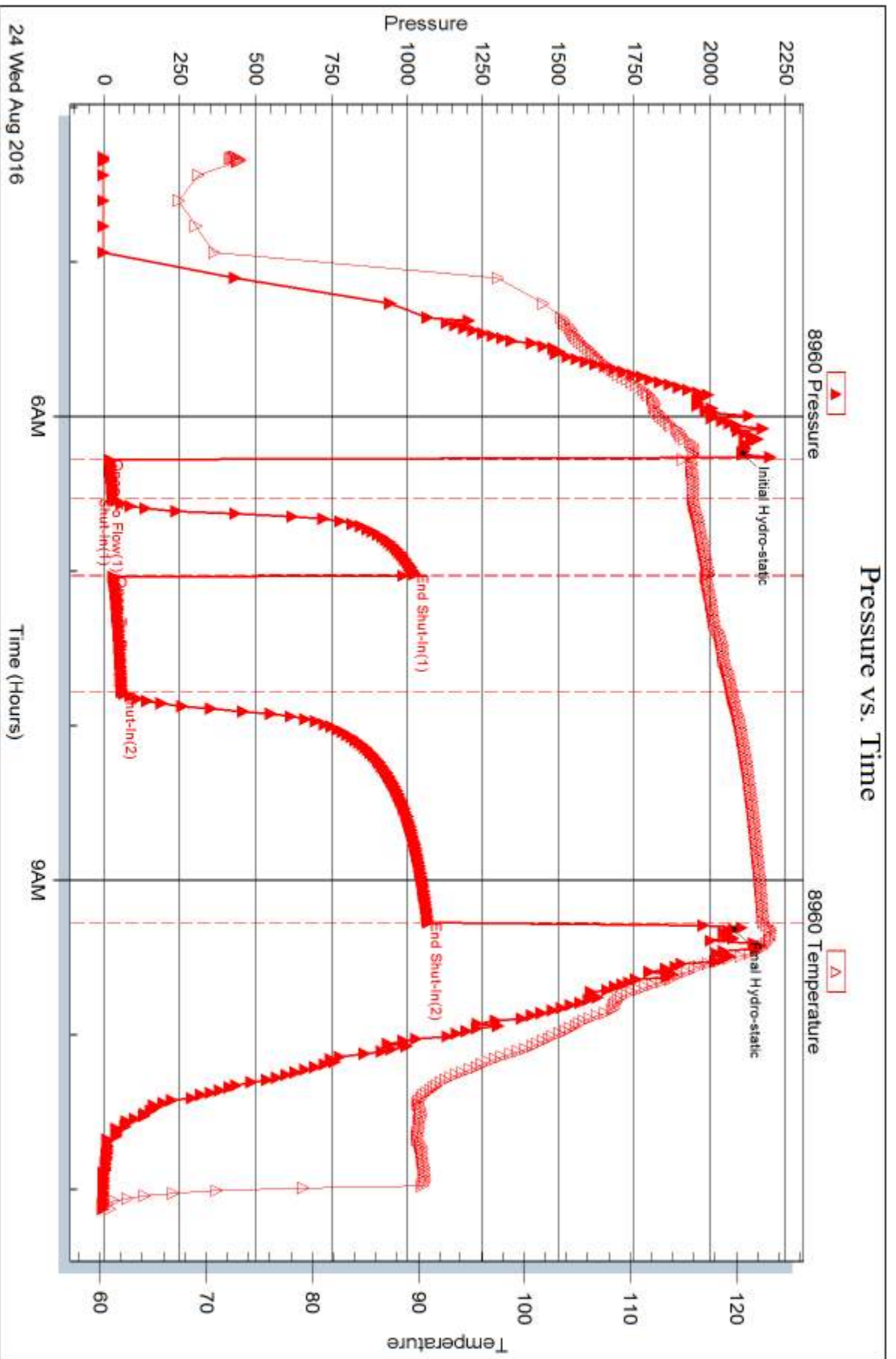
Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .24 ohms @ 73 deg.

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Questa Energy Corporation**

PO Box 50968
Amarillo TX 79159+0968

ATTN: Justin Carter

Zerr #1-23

23-12S-31W Gove,KS

Start Date: 2016.08.25 @ 00:47:00

End Date: 2016.08.25 @ 05:56:30

Job Ticket #: 65114 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.08.26 @ 11:44:51



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Questa Energy Corporation

23-12S-31W Gove,KS

PO Box 50968
Amarillo TX 79159+0968

Zerr #1-23

Job Ticket: 65114

DST#: 2

ATTN: Justin Carter

Test Start: 2016.08.25 @ 00:47:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:32:30

Time Test Ended: 05:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 4402.00 ft (KB) To 4468.00 ft (KB) (TVD)

Reference Elevations: 2837.00 ft (KB)

Total Depth: 4468.00 ft (KB) (TVD)

2829.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6999 Inside

Press@RunDepth: 42.96 psig @ 4464.27 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.25 End Date: 2016.08.25

Last Calib.: 2016.08.25

Start Time: 00:47:05 End Time: 05:56:29

Time On Btm: 2016.08.25 @ 02:31:30

Time Off Btm: 2016.08.25 @ 04:04:30

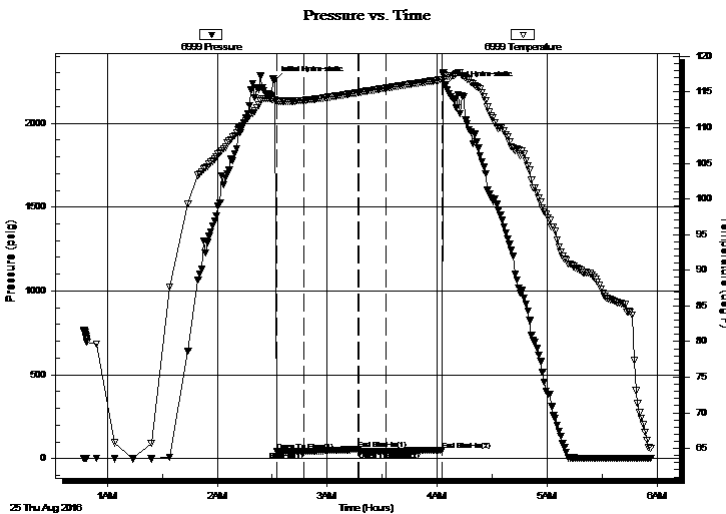
TEST COMMENT: IFP 15 Minutes Blow built to 1/8"

ISI 30 Minutes No blow back

FFP 15 Minutes Dead no blow

FSI 30 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2253.71	113.88	Initial Hydro-static
1	43.16	113.57	Open To Flow (1)
16	42.58	113.82	Shut-In(1)
46	54.56	114.93	End Shut-In(1)
46	42.60	114.95	Open To Flow (2)
61	42.96	115.56	Shut-In(2)
91	50.78	116.74	End Shut-In(2)
93	2227.35	117.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100%	0.03

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Questa Energy Corporation

23-12S-31W Gove,KS

PO Box 50968
Amarillo TX 79159+0968

Zerr #1-23

Job Ticket: 65114

DST#: 2

ATTN: Justin Carter

Test Start: 2016.08.25 @ 00:47:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:32:30

Time Test Ended: 05:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 4402.00 ft (KB) To 4468.00 ft (KB) (TVD)

Reference Elevations: 2837.00 ft (KB)

Total Depth: 4468.00 ft (KB) (TVD)

2829.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8960 Outside

Press@RunDepth: 50.73 psig @ 4465.27 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.25

End Date:

2016.08.25

Last Calib.:

2016.08.25

Start Time:

00:47:05

End Time:

05:55:59

Time On Btm:

2016.08.25 @ 02:31:30

Time Off Btm:

2016.08.25 @ 04:04:00

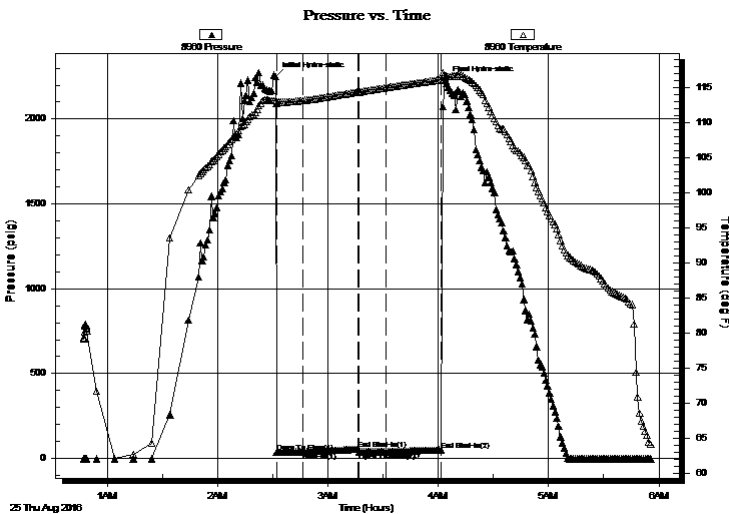
TEST COMMENT: IFP 15 Minutes Blow built to 1/8"

ISI 30 Minutes No blow back

FFP 15 Minutes Dead no blow

FSI 30 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2250.90	113.24	Initial Hydro-static
1	37.19	112.74	Open To Flow (1)
15	38.23	113.20	Shut-In(1)
45	54.31	114.41	End Shut-In(1)
46	38.41	114.42	Open To Flow (2)
60	39.30	115.02	Shut-In(2)
90	50.73	116.17	End Shut-In(2)
93	2226.75	116.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100%	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Questa Energy Corporation

23-12S-31W Gove,KS

PO Box 50968
Amarillo TX 79159+0968

Zerr #1-23

Job Ticket: 65114

DST#: 2

ATTN: Justin Carter

Test Start: 2016.08.25 @ 00:47:00

Tool Information

Drill Pipe:	Length: 4061.00 ft	Diameter: 3.80 inches	Volume: 56.97 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 317.00 ft	Diameter: 3.00 inches	Volume: 2.77 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	74000.00 lb
			<u>Total Volume:</u> 59.74 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4402.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	66.27 ft				
Tool Length:	94.27 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4379.00	
Hydraulic tool	5.00			4384.00	
Jars	6.00			4390.00	
Safety Joint	2.00			4392.00	
Top Packer	5.00			4397.00	
Packer	5.00			4402.00	28.00 Bottom Of Top Packer
Anchor	3.00			4405.00	
Change Over Sub	1.00			4406.00	
Drill Pipe	31.27			4437.27	
Change Over Sub	1.00			4438.27	
Anchor	25.00			4463.27	
Recorder	1.00	6999	Inside	4464.27	
Recorder	1.00	8960	Outside	4465.27	
Bullnose	3.00			4468.27	66.27 Anchor Tool

Total Tool Length: 94.27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Questa Energy Corporation

23-12S-31W Gove,KS

PO Box 50968
Amarillo TX 79159+0968

Zerr #1-23

Job Ticket: 65114

DST#: 2

ATTN: Justin Carter

Test Start: 2016.08.25 @ 00:47:00

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: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
3.00	Mud 100%	0.026

Total Length: 3.00 ft Total Volume: 0.026 bbf

Num Fluid Samples: 0

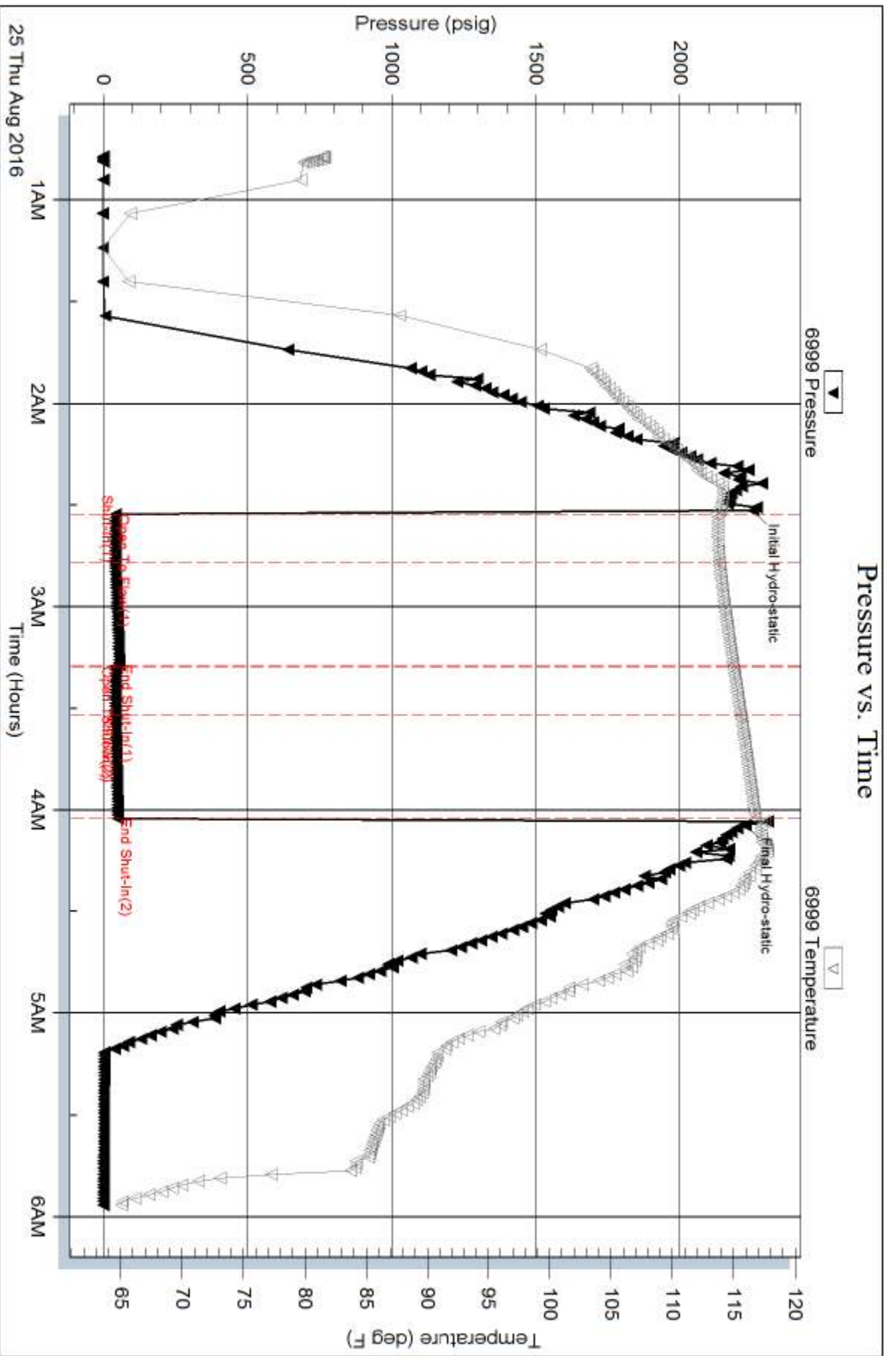
Num Gas Bombs: 0

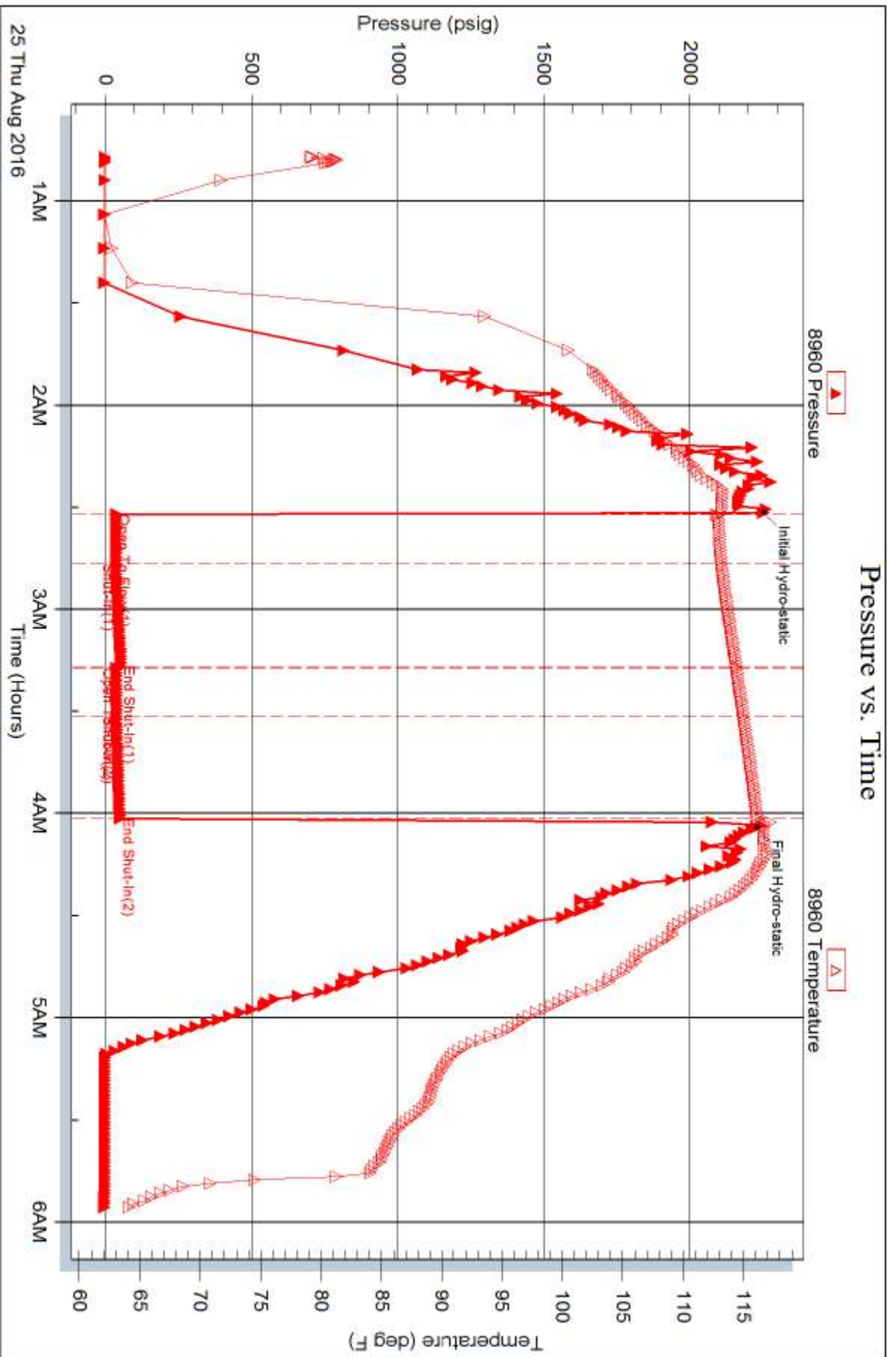
Serial #:

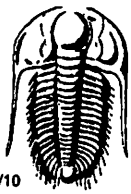
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65113

Well Name & No. Zerr #1-23 Test No. 1 Date 24 Aug 16
 Company Questa Energy Corporation Elevation 2837 KB 2829 GL
 Address PO Box 50968 Amarillo TX 79159-0968
 Co. Rep / Geo. _____ Rig Discovery Rig 2
 Location: Sec. 23 Twp. 125 Rge. 31W Co. Gove State KS

Interval Tested 4356-4390 Zone Tested Fort Scott
 Anchor Length 34 Drill Pipe Run 4031 Mud Wt. 9.0
 Top Packer Depth 4351 Drill Collars Run — Vis 48
 Bottom Packer Depth 4356 Wt. Pipe Run 317 WL 6.4
 Total Depth 4390 Chlorides 2000 ppm System LCM 2#

Blow Description I.F. Blow built to 4 1/2 inches
I.S.I No blowback
F.F. Blow built to 2 inches
F.S.I No blowback

Rec	Feet of	%gas	%oil	%water	%mud
62	Muddy Water			60%	40%
30	Oil cut Mud		5%		95%
30	Clean Oil	100%			
186	Gas in pipe	100%			

Rec Total 308 BHT 125 Gravity 34 API RW .24 @ 75 ° F Chlorides 26,000 ppm

(A) Initial Hydrostatic <u>2108</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>2:13 am</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>4:19 am</u>
(C) First Final Flow <u>33</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>6:16 am</u>
(D) Initial Shut-In <u>1024</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>9:16 am</u>
(E) Second Initial Flow <u>36</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>11:08 am</u>
(F) Second Final Flow <u>62</u>	<input checked="" type="checkbox"/> Mileage <u>84</u> <u>63</u>	Comments _____
(G) Final Shut-In <u>1070</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2079</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 90

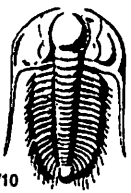
Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1538

Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1538
 MP/DST Disc't _____

Approved By [Signature]

Our Representative [Signature]

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. 65114

Well Name & No. Zerr # 1-23 Test No. 2 Date 25 Aug 16
 Company Quastra Energy Corporation Elevation 2837 KB 2829 GL
 Address PO Box 50968 Amarillo TX 79159-0968
 Co. Rep / Geo. Justin Carter Rig Discovery Rig 2
 Location: Sec. 23 Twp. 125 Rge. 31W Co. Gove State K5

Interval Tested 4402-4468 Zone Tested Johnson
 Anchor Length 66 Drill Pipe Run 4061 Mud Wt. 9.3
 Top Packer Depth 4397 Drill Collars Run — Vis 49
 Bottom Packer Depth 4402 Wt. Pipe Run 317 WL 7.2
 Total Depth 4468 Chlorides 3000 ppm System LCM 2#

Blow Description I.F. Blow built to 1/8 inch
I.S.I no blow back
F.F. Dead no blow
F.S.I no blow back

Rec	Feet of	%gas	%oil	%water	%mud
3	Mud			100%	

Rec Total 3 BHT 117 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2253</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>11:13 pm</u>
(B) First Initial Flow <u>43</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:47 am</u>
(C) First Final Flow <u>42</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2:32 am</u>
(D) Initial Shut-In <u>54</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>4:02 am</u>
(E) Second Initial Flow <u>42</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>5:56 am</u>
(F) Second Final Flow <u>42</u>	<input checked="" type="checkbox"/> Mileage <u>84</u> 63	Comments _____
(G) Final Shut-In <u>50</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2227</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 30

Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1538

Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1538
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
 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.