

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 Recompletion Date \_\_\_\_\_ 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
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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)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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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:	
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Form	ACO1 - Well Completion
Operator	Questa Energy Corporation
Well Name	ZERR 2-23
Doc ID	1323203

All Electric Logs Run

Sonic
Induction
Dual Compensated Porosity
Micro Resistivity





**CONSOLIDATED**  
Oil Well Services, LLC

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

TICKET NUMBER 51674  
LOCATION Oaklawn, ks  
FOREMAN Walt Dunkel

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY			
11-18-16		Zerr 2-23	23	12 <sup>s</sup>	31 <sup>w</sup>	Goove			
CUSTOMER		TRUCK #		DRIVER		TRUCK #		DRIVER	
Mailing Address		8-5		731		Cory Davis			
CITY		1-E		566		Steven Gabel			
STATE		1/2 S				Howard			
ZIP CODE		WIS							

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4580 CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2 RH TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.0 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting, Rig up on Discovery #, Plug 2 ordered  
50 sks @ 2347'  
100 sks @ 1479'  
50 sks @ 313'  
10 sks @ 40'  
30 sks in RH  
15 sks in MH

Thank You  
Walt + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
C00451	1	PUMP CHARGE	1,900 <sup>00</sup>	1,900 <sup>00</sup>
C00002	10	MILEAGE	7 <sup>15</sup>	71 <sup>50</sup>
C00711	10.97	Ton Mileage Delivery	1 <sup>75</sup>	660 <sup>00</sup>
CC5829	255 sks	Lite-Weight Blend V	16 <sup>00</sup>	4,080 <sup>00</sup>
CC6075	64 #	Flu Seal	3 <sup>00</sup>	192 <sup>00</sup>
			165 <sup>00</sup>	165 <sup>00</sup>
				7,068 <sup>50</sup>
		Less 45% Dis		3,180 <sup>83</sup>
				3,887 <sup>67</sup>
			SALES TAX	
			ESTIMATED	
			TOTAL	

Ravin 3737 AUTHORIZATION [Signature] TITLE \_\_\_\_\_ 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 Corp.**

PO Box 509068  
Amarillo TX 79159

ATTN: Justin Carter

**Zerr #2-23**

**23-12s-31w Gove,KS**

Start Date: 2016.11.16 @ 04:51:00

End Date: 2016.11.16 @ 13:47:15

Job Ticket #: 63466                      DST #: 1

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

Printed: 2016.11.21 @ 09:24:53

Questa Energy Corp. 23-12s-31w Gove,KS Zerr #2-23 DST # 1 Ft Scott 2016.11.16



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Questa Energy Corp.  
 PO Box 509068  
 Amarillo TX 79159  
 ATTN: Justin Carter

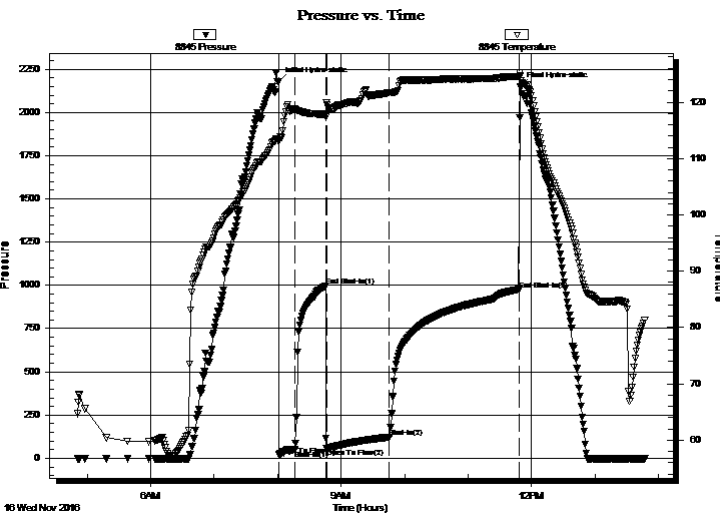
**23-12s-31w Gove,KS**  
**Zerr #2-23**  
 Job Ticket: 63466 **DST#: 1**  
 Test Start: 2016.11.16 @ 04:51:00

## GENERAL INFORMATION:

Formation: **Ft Scott**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:01:15  
 Time Test Ended: 13:47:15  
 Interval: **4356.00 ft (KB) To 4390.00 ft (KB) (TVD)**  
 Total Depth: 4390.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Bradley Walter  
 Unit No: 69  
 Reference Elevations: 2837.00 ft (KB)  
 2829.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8845 Outside**  
 Press@RunDepth: 121.61 psig @ 4357.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.11.16 End Date: 2016.11.16 Last Calib.: 2016.11.16  
 Start Time: 04:51:05 End Time: 13:47:15 Time On Btm: 2016.11.16 @ 08:00:45  
 Time Off Btm: 2016.11.16 @ 11:49:15

TEST COMMENT: IF: 5" blow .  
 IS: No return.  
 FF: 5 1/2" blow .  
 FS: surface return, died @ 30 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2177.60	113.39	Initial Hydro-static
1	20.43	112.97	Open To Flow (1)
16	48.89	118.74	Shut-In(1)
45	997.07	117.88	End Shut-In(1)
46	56.49	119.89	Open To Flow (2)
105	121.61	121.68	Shut-In(2)
227	976.14	124.57	End Shut-In(2)
229	2149.99	124.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
160.00	somcw 1o 15m 84w	1.22
80.00	gw mco 5g 45o 15w 35m	0.61
0.00	260' GIP	0.00

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Questa Energy Corp.

**23-12s-31w Gove,KS**

PO Box 509068  
Amarillo TX 79159

**Zerr #2-23**

Job Ticket: 63466

**DST#: 1**

ATTN: Justin Carter

Test Start: 2016.11.16 @ 04:51:00

## Tool Information

Drill Pipe:	Length: 4092.00 ft	Diameter: 3.80 inches	Volume: 57.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 248.00 ft	Diameter: 2.80 inches	Volume: 1.89 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 83000.00 lb
			Total Volume: 59.29 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4356.00 ft			Final 71000.00 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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4330.00	
Shut In Tool	5.00			4335.00	
Hydraulic tool	5.00			4340.00	
Jars	5.00			4345.00	
Safety Joint	2.00			4347.00	
Packer	5.00			4352.00	27.00 Bottom Of Top Packer
Packer	4.00			4356.00	
Stubb	1.00			4357.00	
Recorder	0.00	8365	Inside	4357.00	
Recorder	0.00	8845	Outside	4357.00	
Perforations	30.00			4387.00	
Bullnose	3.00			4390.00	34.00 Bottom Packers & Anchor

**Total Tool Length: 61.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Questa Energy Corp.

**23-12s-31w Gove,KS**

PO Box 509068  
Amarillo TX 79159

**Zerr #2-23**

Job Ticket: 63466

**DST#: 1**

ATTN: Justin Carter

Test Start: 2016.11.16 @ 04:51:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

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 bbl
160.00	somcw 1o 15m 84w	1.219
80.00	gw mco 5g 45o 15w 35m	0.609
0.00	260' GIP	0.000

Total Length: 240.00 ft      Total Volume: 1.828 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

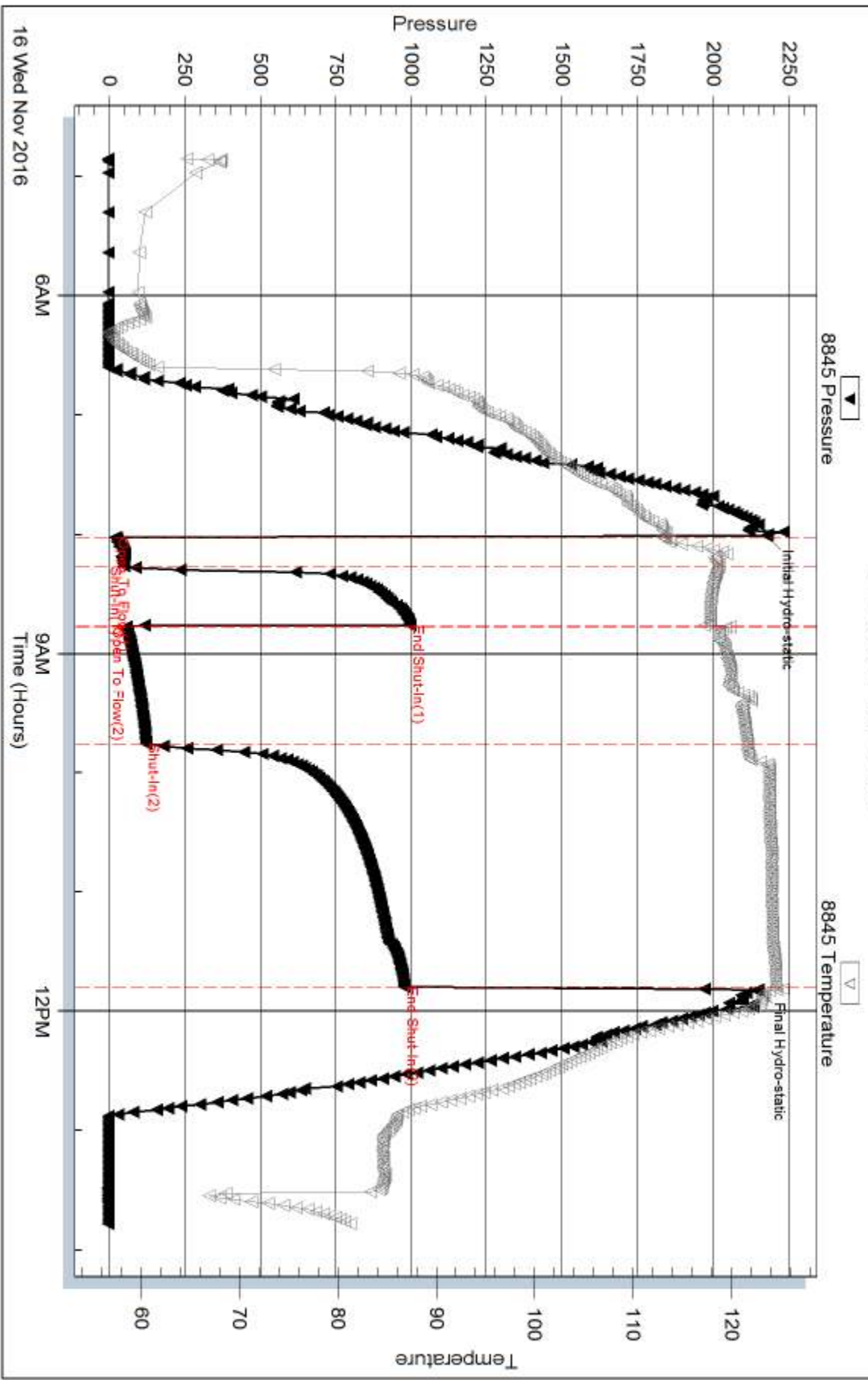
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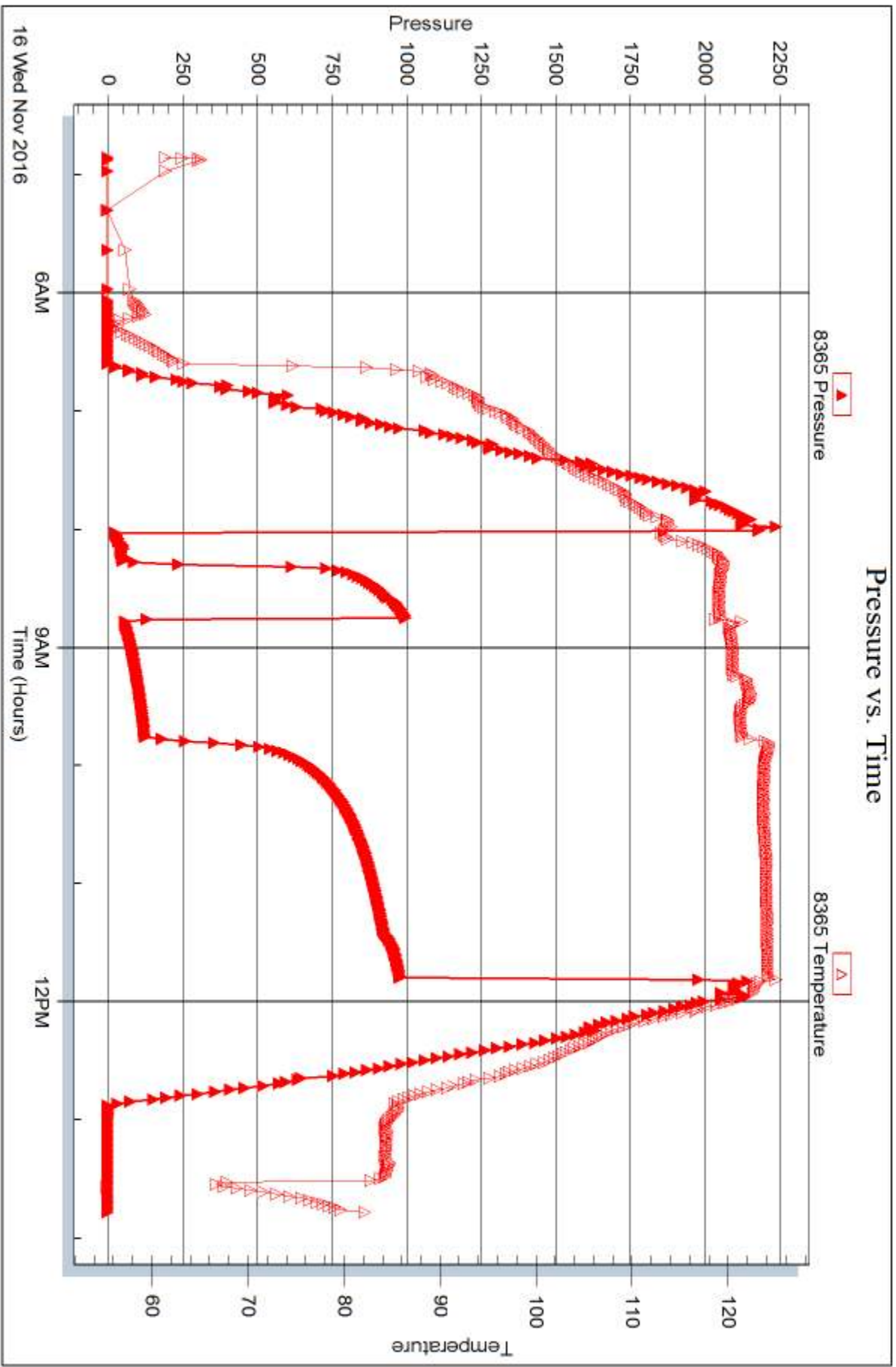
Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .187 @ 75f = 42,000 ppm

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Questa Energy Corp.**

PO Box 509068  
Amarillo TX 79159

ATTN: Justin Carter

**Zerr #2-23**

**23-12s-31w Gove,KS**

Start Date: 2016.11.17 @ 17:31:00

End Date: 2016.11.17 @ 23:15:15

Job Ticket #: 63467                      DST #: 2

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

Printed: 2016.11.21 @ 09:22:44



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Questa Energy Corp.  
 PO Box 509068  
 Amarillo TX 79159  
 ATTN: Justin Carter

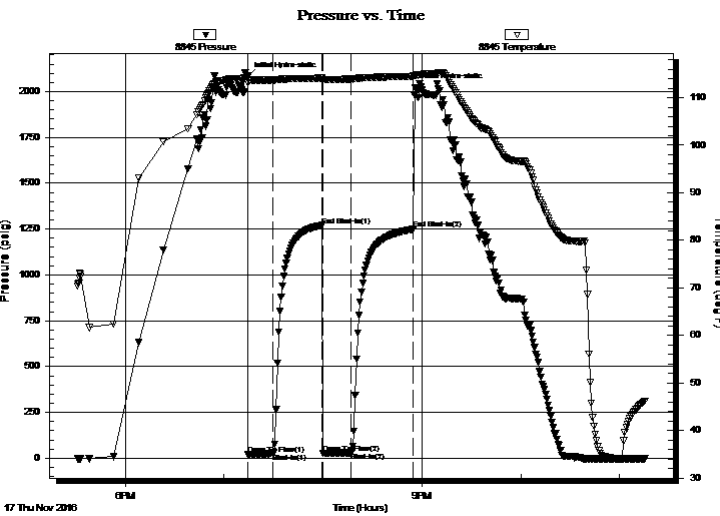
**23-12s-31w Gove,KS**  
**Zerr #2-23**  
 Job Ticket: 63467 **DST#: 2**  
 Test Start: 2016.11.17 @ 17:31:00

## GENERAL INFORMATION:

Formation: **LKC I**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:14:30  
 Time Test Ended: 23:15:15  
 Interval: **4092.00 ft (KB) To 4112.00 ft (KB) (TVD)**  
 Total Depth: 4581.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 69  
 Reference Elevations: 2837.00 ft (KB)  
 2829.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8845 Inside**  
 Press@RunDepth: 30.28 psig @ 4093.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.11.17 End Date: 2016.11.17 Last Calib.: 2016.11.17  
 Start Time: 17:31:05 End Time: 23:15:14 Time On Btm: 2016.11.17 @ 19:14:00  
 Time Off Btm: 2016.11.17 @ 20:55:45

TEST COMMENT: IF: 1/2" blow.  
 FS: No return.  
 FF: Surface blow, died @ 15 min.  
 FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2081.27	114.17	Initial Hydro-static
1	21.01	113.16	Open To Flow (1)
16	25.71	113.69	Shut-In(1)
46	1270.53	114.11	End Shut-In(1)
46	27.07	113.65	Open To Flow (2)
63	30.28	113.91	Shut-In(2)
101	1250.00	114.50	End Shut-In(2)
102	2022.86	114.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
25.00	mud 100m ( oil spots)	0.19

\* Recovery from multiple tests

## Gas Rates

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









**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Questa Energy Corp.

**23-12s-31w Gove,KS**

PO Box 509068  
Amarillo TX 79159

**Zerr #2-23**

Job Ticket: 63467

**DST#: 2**

ATTN: Justin Carter

Test Start: 2016.11.17 @ 17:31:00

## Tool Information

Drill Pipe:	Length: 3840.00 ft	Diameter: 3.80 inches	Volume: 53.87 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 248.00 ft	Diameter: 2.80 inches	Volume: 1.89 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	95000.00 lb
			<u>Total Volume: 55.76 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	77000.00 lb
Depth to Top Packer:	4092.00 ft			Final	77000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	489.00 ft				
Tool Length:	516.00 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			4066.00	
Shut In Tool	5.00			4071.00	
Hydraulic tool	5.00			4076.00	
Jars	5.00			4081.00	
Safety Joint	2.00			4083.00	
Packer	5.00			4088.00	27.00 Bottom Of Top Packer
Packer	4.00			4092.00	
Stubb	1.00			4093.00	
Recorder	0.00	8845	Inside	4093.00	
Recorder	0.00	8365	Outside	4093.00	
Perforations	14.00			4107.00	
Blank Off Sub	1.00			4108.00	489.00 Tool Interval
Packer	4.00			4112.00	
Blank Spacing	1.00			4113.00	
Perforations	25.00			4138.00	
Change Over Sub	1.00			4139.00	
Recorder	0.00	8677	Below	4139.00	
Drill Pipe	438.00			4577.00	
Change Over Sub	1.00			4578.00	
Bullnose	3.00			4581.00	1000515.00 Bottom Packers & Anchor

**Total Tool Length: 516.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Questa Energy Corp.

**23-12s-31w Gove,KS**

PO Box 509068  
Amarillo TX 79159

**Zerr #2-23**

Job Ticket: 63467

**DST#: 2**

ATTN: Justin Carter

Test Start: 2016.11.17 @ 17:31:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	mud 100m ( oil spots)	0.190

Total Length: 25.00 ft      Total Volume: 0.190 bbl

Num Fluid Samples: 0

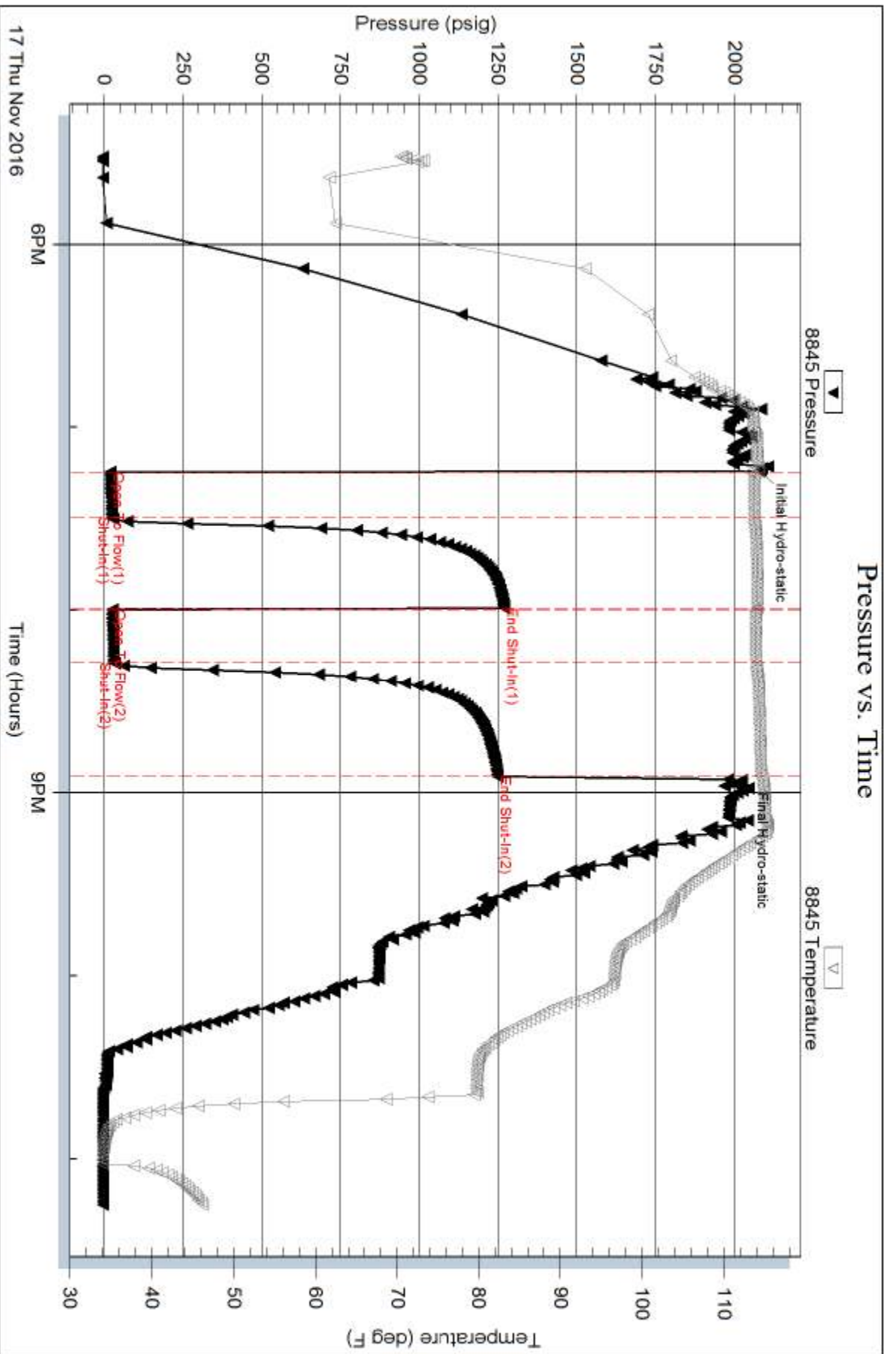
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

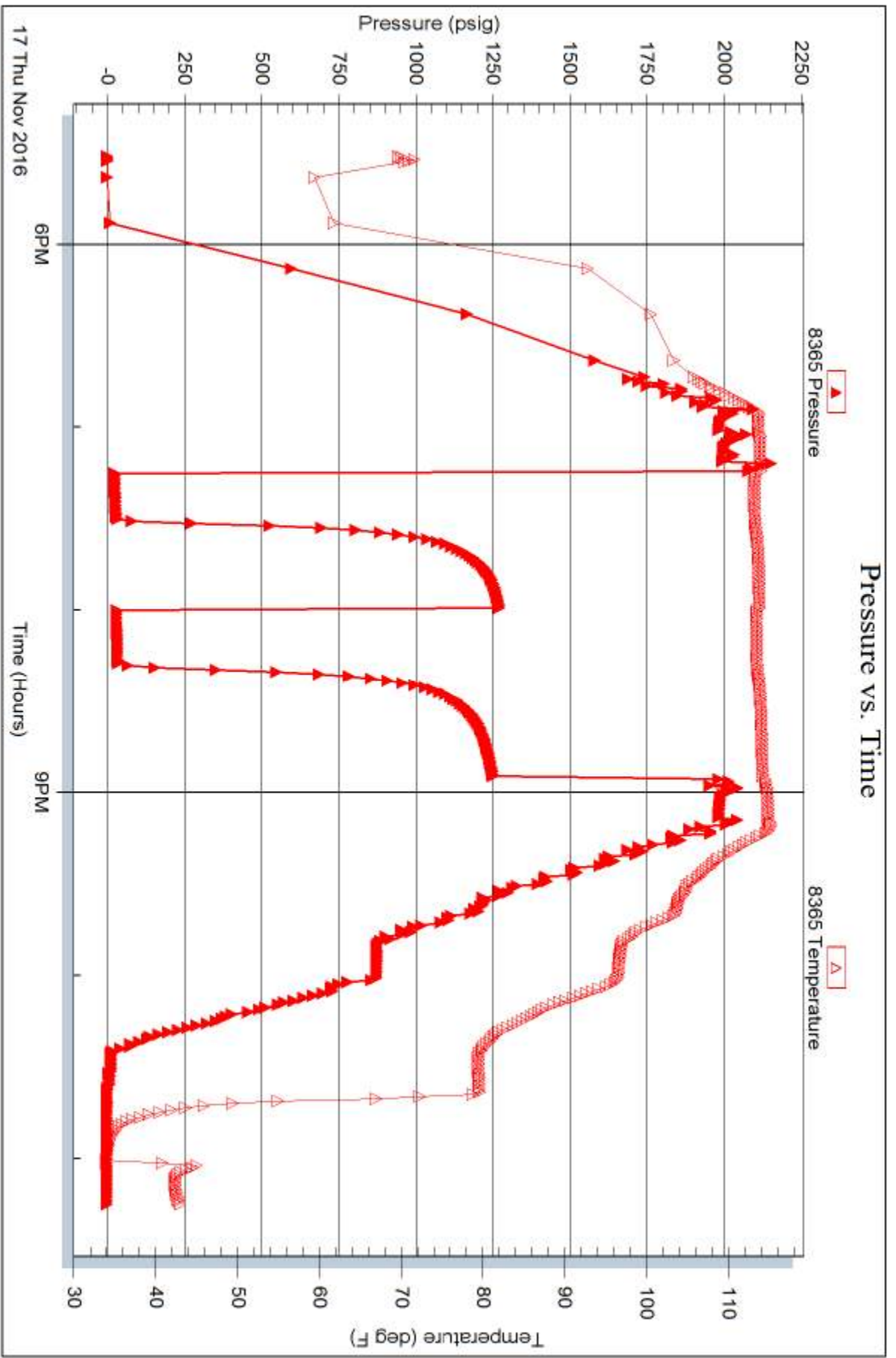


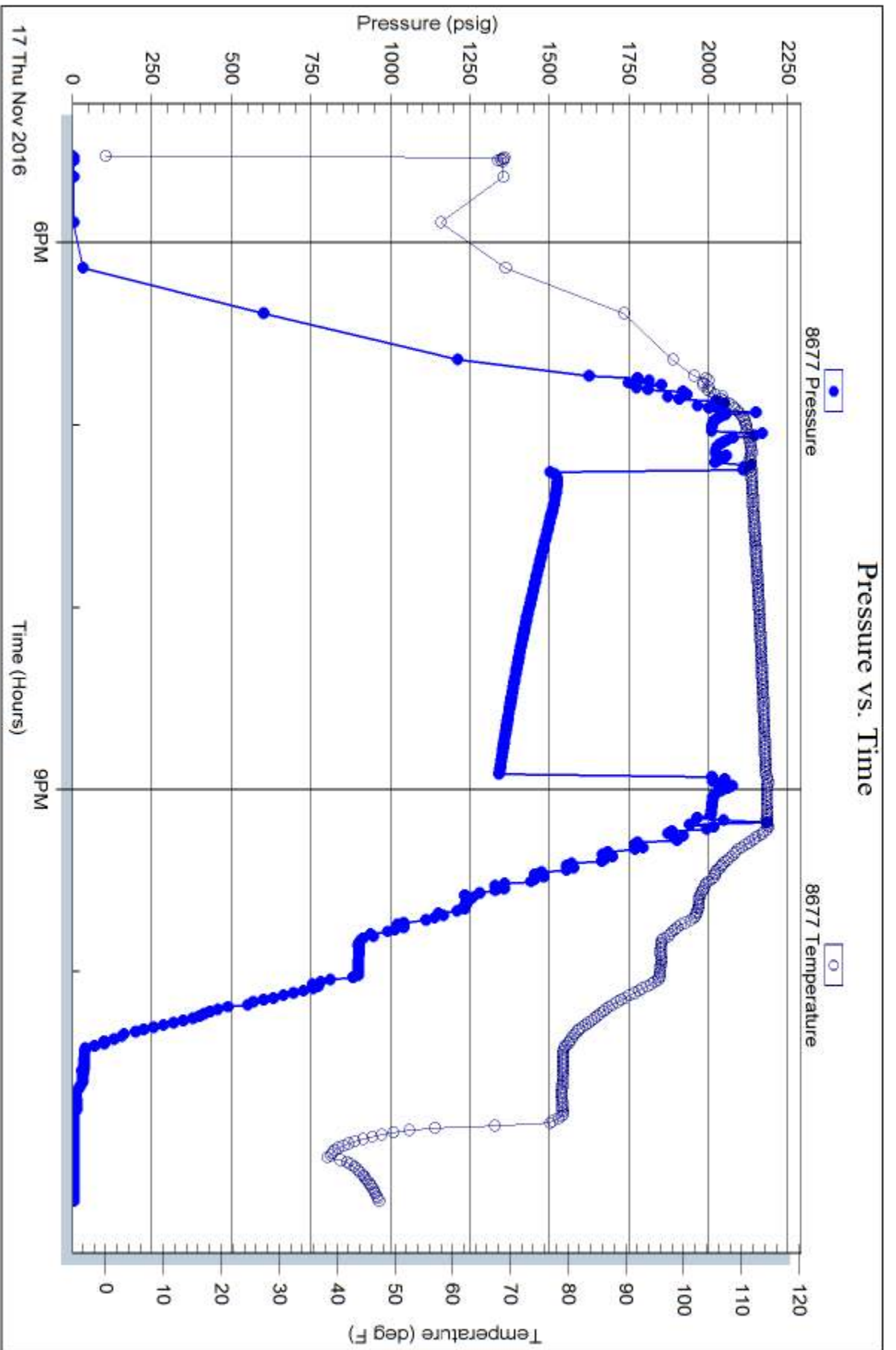
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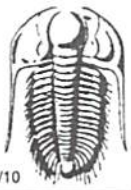
Outside Questa Energy Corp.

Zerr #2.23

DST Test Number: 2







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63466

Well Name & No. Zerr 2-23 Test No. 1 Date 9/16/2016  
 Company Questa Energy Corporation Elevation 2837 KB 2829 GL  
 Address PO Box 509068 Amarillo, Tx 79159  
 Co. Rep / Geo. Justin Carter Rig Discovery #2  
 Location: Sec. 23 Twp. 12 S Rge. 31W Co. Gore State Ks

Interval Tested 4356 4390 Zone Tested Ft. Scott  
 Anchor Length 34' Drill Pipe Run 4092 Mud Wt. 9.2  
 Top Packer Depth 4351 Drill Collars Run 248 Vis 65  
 Bottom Packer Depth 4356 Wt. Pipe Run 248 WL 2.0  
 Total Depth 4390 Chlorides 2,000 ppm System LCM 2#

Blow Description IF: 5" blow  
ISI: No return.  
FF: 5 1/2" blow  
FSI: Surface return, died @ 30 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>6w nco</u>	<u>5</u>	<u>45</u>	<u>15</u>	<u>35</u>
<u>100</u>	<u>50 nco</u>		<u>1</u>	<u>84</u>	<u>15</u>
	<u>260' GIP</u>				

Rec Total 240 BHT 125 Gravity — API RW 187 @ 75 °F Chlorides 42,008 ppm

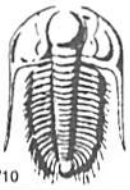
(A) Initial Hydrostatic 2178  Test 1150 T-On Location 0350  
 (B) First Initial Flow 20  Jars 250 T-Started 0451  
 (C) First Final Flow 49  Safety Joint 75 T-Open 0801  
 (D) Initial Shut-In 997  Circ Sub N/C T-Pulled 1146  
 (E) Second Initial Flow 56  Hourly Standby \_\_\_\_\_ T-Out 1347  
 (F) Second Final Flow 122  Mileage 98 RT 73.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 976  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2150  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 15  
 Initial Shut-In 30  
 Final Flow 60  
 Final Shut-In 120

Sub Total 1548.50 Total 1548.50 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative

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. **63467**

Well Name & No. Zell 2-23 Test No. 2 Date 11/17/2016  
 Company Questa Energy Corporation Elevation 2837 KB 2829 GL  
 Address PO Box 509068 Amarillo, Tx 79159  
 Co. Rep / Geo. Justin Carter Rig Discovery 2  
 Location: Sec. 23 Twp. 12s Rge. 31w Co. Gove State Ks

Interval Tested 4092 - 4112 Zone Tested LKC I  
 Anchor Length 20' - 48 TP Drill Pipe Run 3840 Mud Wt. 9.2  
 Top Packer Depth 4087 - 4092 Drill Collars Run 0 Vis 59  
~~Bottom~~ Packer Depth 4112 Wt. Pipe Run 248 WL 8.8  
 Total Depth 4581 Chlorides 2,000 ppm System LCM 2#

Blow Description IF! 1/2" blow  
IGT! No return.  
FF! Surface blow died @ 15 min.  
FGI! No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>mud</u>			<u>100</u>	
	<u>OIL SPOTS</u>				

Rec Total 25 BHT 115 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2081  Test 1150 T-On Location 1500  
 (B) First Initial Flow 21  Jars 250 T-Started 1731  
 (C) First Final Flow 26  Safety Joint 75 T-Open 1912  
 (D) Initial Shut-In 1271  Circ Sub \_\_\_\_\_ T-Pulled 2043  
 (E) Second Initial Flow 27  Hourly Standby \_\_\_\_\_ T-Out 2315  
 (F) Second Final Flow 30  Mileage 73.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 1250  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2023  Straddle 600  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 2398.50  
 Final Flow 15  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30 Sub Total 2398.50

Approved By \_\_\_\_\_ Our Representative [Signature]

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**CONSOLIDATED**  
Oil Well Services, LLC

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

TICKET NUMBER 51672  
LOCATION Oakley, Ks  
FOREMAN Walt Dunkel

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-10-16		Zerc 2-23	23	12 <sup>s</sup>	31 <sup>w</sup>	Goove
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Questar Energy Corp			231	Cory Davis		
MAILING ADDRESS			479	Steven Odell		
Campus						
8-South						
1 East						
1/4 N						
W.S.						
CITY	STATE	ZIP CODE				

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 263 CASING SIZE & WEIGHT 8 5/8 - 23 #  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15.2 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 15-20'  
 DISPLACEMENT 15 1/2 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE: 4 BPM

REMARKS: Safety Meeting, Rig up on Discovery #, Circ casing on bottom  
mix 190 SKS Cam, 3% cc - 2% Gel, Displace 15 1/2 BBL H<sub>2</sub>O. Shut in  
Cement Did Circ

Thank You  
Walt + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
C00471	1	PUMP CHARGE	1,150 <sup>00</sup>	1,150 <sup>00</sup>
C00002	10	MILEAGE	71 <sup>50</sup>	715 <sup>00</sup>
C00711	8.93	Ton mileage Delivery	125 <sup>00</sup>	660 <sup>00</sup>
C05871	190 SKS	Surface Blend II	23 <sup>00</sup>	4,370 <sup>00</sup>
				6,251 <sup>50</sup>
		Less	45% Disc	2,813 <sup>18</sup>
				3,438 <sup>32</sup>
			SALES TAX	
			ESTIMATED	
			TOTAL	

Ravin 3737

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ 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.