



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1099186  
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: \_\_\_\_\_



1099186

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  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				

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
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Questa Energy Corporation
Well Name	Bertrand 1-22
Doc ID	1099186

All Electric Logs Run

Dual Induction
Microlog
Sonic
Density Neutron

Form	ACO1 - Well Completion
Operator	Questa Energy Corporation
Well Name	Bertrand 1-22
Doc ID	1099186

Tops

Name	Top	Datum
Anhydrite	2650	+428
Heebner Shale	4039	-961
Lansing	4079	-1001
Base KC	4355	-1277
Marmaton	4390	-1312
Pawnee	4472	-1394
Ft. Scottt	4543	-1465
Cherokee	4575	-1497
Mississippian	4660	-1582



## DRILL STEM TEST REPORT

Prepared For: **Questa Energy Corp.**

PO Box 50986  
Amarillo TX 79159

ATTN: Justin Carter

### **Bertrand #1-22**

#### **22-9s-32w Thomas,KS**

Start Date: 2012.10.24 @ 12:30:00

End Date: 2012.10.24 @ 21:28:30

Job Ticket #: 48220                      DST #: 1

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

Printed: 2012.10.31 @ 15:10:17



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Questa Energy Corp.  
 PO Box 50986  
 Amarillo TX 79159  
 ATTN: Justin Carter

**22-9s-32w Thomas,KS**  
**Bertrand #1-22**  
 Job Ticket: 48220 **DST#: 1**  
 Test Start: 2012.10.24 @ 12:30:00

## GENERAL INFORMATION:

Formation: **LKC I-J**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 15:18:30  
 Tester: Chuck Kreuzer jr.  
 Time Test Ended: 21:28:30  
 Unit No: 61  
 Interval: **4240.00 ft (KB) To 4286.00 ft (KB) (TVD)**  
 Reference Elevations: 3078.00 ft (KB)  
 Total Depth: 4286.00 ft (KB) (TVD)  
 3070.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 8.00 ft

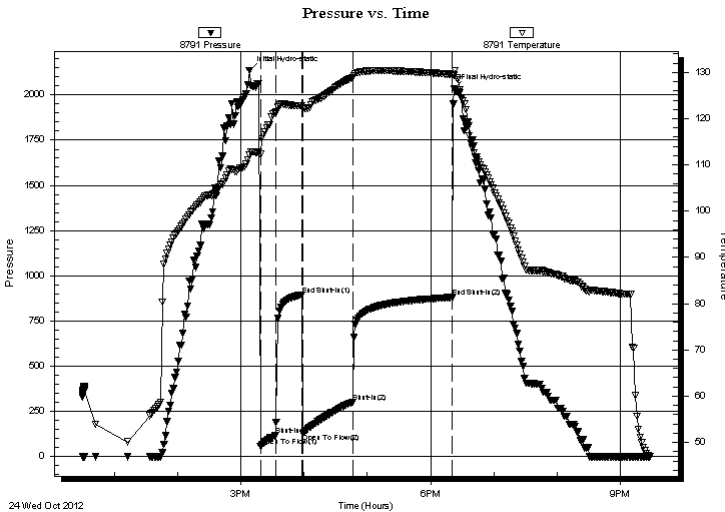
## Serial #: 8791

Inside

Press @ Run Depth: 302.22 psig @ 4243.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.10.24 End Date: 2012.10.24 Last Calib.: 2012.10.24  
 Start Time: 12:30:01 End Time: 21:28:30 Time On Btm: 2012.10.24 @ 15:08:00  
 Time Off Btm: 2012.10.24 @ 18:22:00

**TEST COMMENT:** 15 IF: Strong blow , Built to B.O.B in 2 1/2 mins.  
 30 IS: Bled off, Blow back after 1 min. Built to 3 in. over 30 mins.  
 45 FF: Strong blow , Built to B.O.B in 2 mins.  
 90 FS: Bled off, Blow back after 1 min. Built to B.O.B in 4 mins.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2136.01	112.08	Initial Hydro-static
11	57.68	112.30	Open To Flow (1)
25	118.83	121.32	Shut-In(1)
50	893.94	122.85	End Shut-In(1)
51	126.83	122.39	Open To Flow (2)
98	302.22	128.92	Shut-In(2)
193	880.04	129.55	End Shut-In(2)
194	2034.95	129.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	3205 ft gas in pipe	0.00
126.00	gocm-30%g20%o50%m	1.21
252.00	gmco-40%g0%m40%o	3.53
388.00	go-30%g70%o	5.44

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Questa Energy Corp.

**22-9s-32w Thomas,KS**

PO Box 50986  
Amarillo TX 79159

**Bertrand #1-22**

Job Ticket: 48220

**DST#: 1**

ATTN: Justin Carter

Test Start: 2012.10.24 @ 12:30:00

## Tool Information

Drill Pipe:	Length: 4162.00 ft	Diameter: 3.80 inches	Volume: 58.38 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 61.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 58.68 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4240.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	74.00 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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Shut In Tool	5.00			4217.00	
Hydraulic tool	5.00			4222.00	
Jars	5.00			4227.00	
Safety Joint	3.00			4230.00	
Packer	5.00			4235.00	28.00 Bottom Of Top Packer
Packer	5.00			4240.00	
Stubb	1.00			4241.00	
Perforations	1.00			4242.00	
Change Over Sub	1.00			4243.00	
Recorder	0.00	8791	Inside	4243.00	
Recorder	0.00	8673	Outside	4243.00	
Drill Pipe	31.00			4274.00	
Change Over Sub	1.00			4275.00	
Perforations	8.00			4283.00	
Bullnose	3.00			4286.00	46.00 Bottom Packers & Anchor

**Total Tool Length: 74.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Questa Energy Corp.

**22-9s-32w Thomas,KS**

PO Box 50986  
Amarillo TX 79159

**Bertrand #1-22**

Job Ticket: 48220

**DST#: 1**

ATTN: Justin Carter

Test Start: 2012.10.24 @ 12:30:00

## 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: 53.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3205 ft gas in pipe	0.000
126.00	gocm-30%g20%o50%m	1.212
252.00	gmco-40%g0%m40%o	3.535
388.00	go-30%g70%o	5.443

Total Length: 766.00 ft

Total Volume: 10.190 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

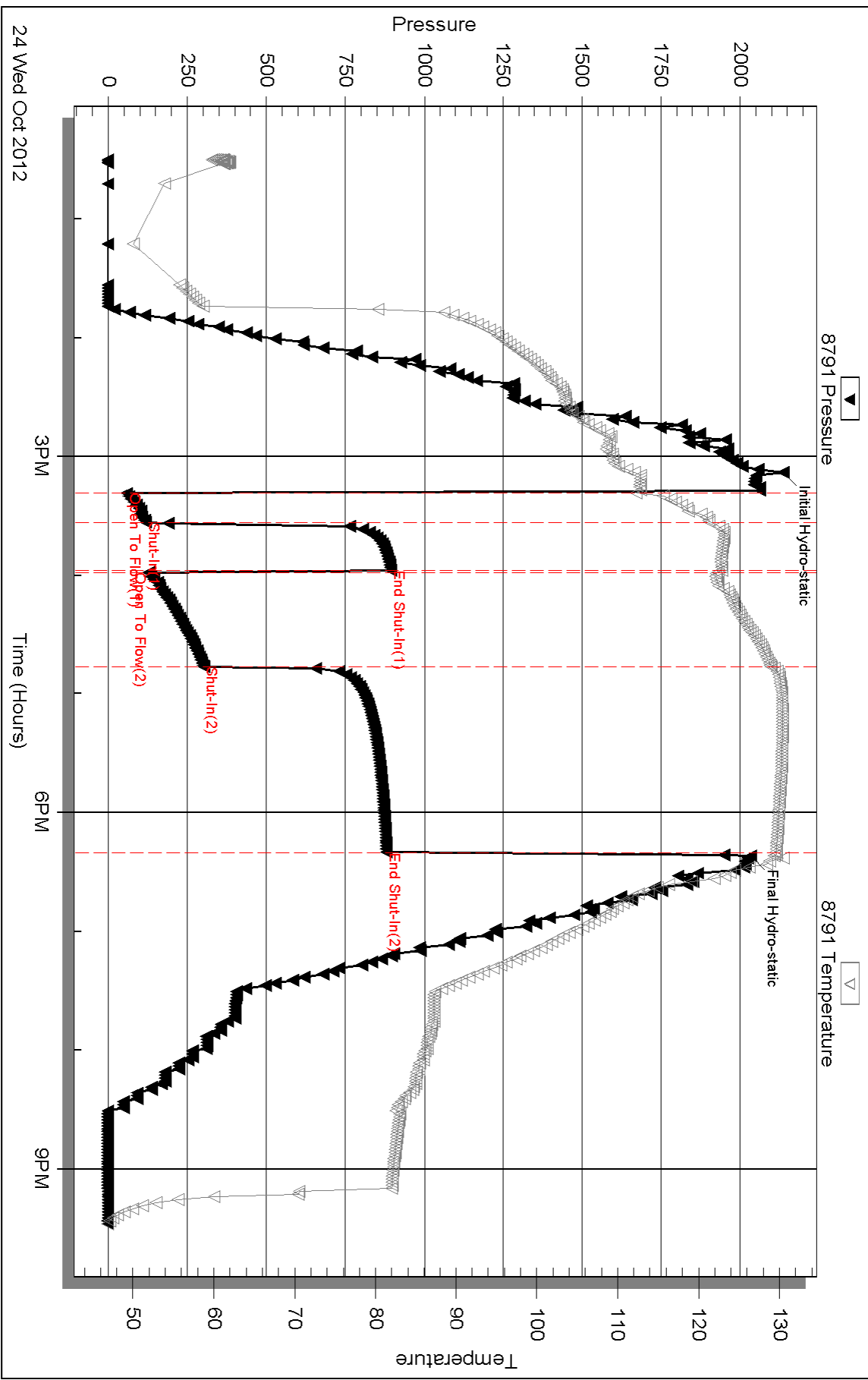
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

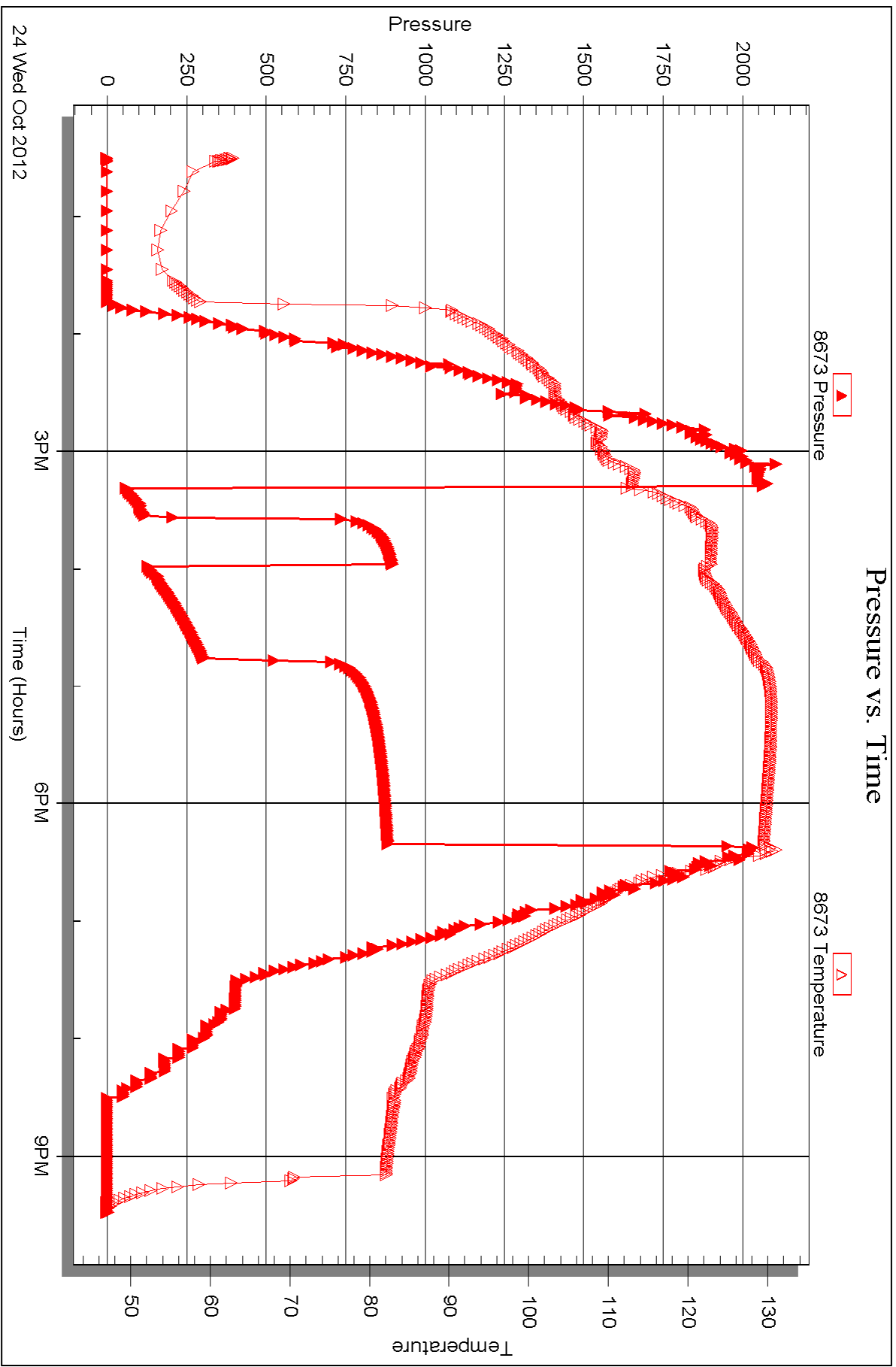


Serial #: 8673

Outside Questa Energy Corp.

Bertrand #1-22

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Questa Energy Corp.**

PO Box 50986  
Amarillo TX 79159

ATTN: Justin Carter

### **Bertrand #1-22**

#### **22-9s-32w Thomas,KS**

Start Date: 2012.10.25 @ 07:10:00

End Date: 2012.10.25 @ 15:20:00

Job Ticket #: 48221                      DST #: 2

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

Printed: 2012.10.31 @ 15:09:34



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Questa Energy Corp.  
PO Box 50986  
Amarillo TX 79159  
ATTN: Justin Carter

**22-9s-32w Thomas,KS**  
**Bertrand #1-22**  
Job Ticket: 48221 **DST#: 2**  
Test Start: 2012.10.25 @ 07:10:00

## GENERAL INFORMATION:

Formation: **LKC K-L**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 10:03:30  
Time Test Ended: 15:20:00  
Interval: **4290.00 ft (KB) To 4350.00 ft (KB) (TVD)**  
Total Depth: 4350.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Chuck Kreuzer jr.  
Unit No: 61  
Reference Elevations: 3078.00 ft (KB)  
3070.00 ft (CF)  
KB to GR/CF: 8.00 ft

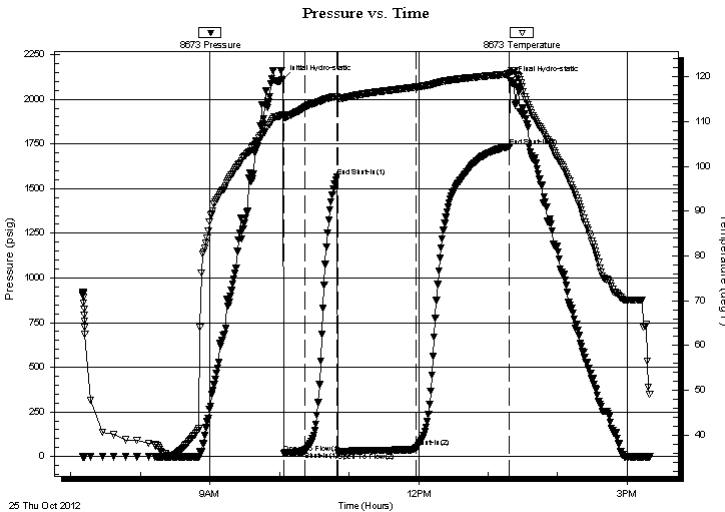
## Serial #: 8673

Outside

Press @ RunDepth: 50.44 psig @ 4293.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2012.10.25 End Date: 2012.10.25 Last Calib.: 2012.10.25  
Start Time: 07:10:05 End Time: 15:19:59 Time On Btm: 2012.10.25 @ 10:03:00  
Time Off Btm: 2012.10.25 @ 13:19:30

TEST COMMENT: 15 IF: Weak blow , Built to 2" over 15 mins.  
30 IS: No blow back over 30 mins  
60 FF: Weak blow , Built to 7" over 60 mins.  
90 FS: No blow back over 90 mins.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.51	111.46	Initial Hydro-static
1	18.50	110.94	Open To Flow (1)
19	31.05	113.15	Shut-In(1)
47	1567.97	115.63	End Shut-In(1)
48	23.74	115.22	Open To Flow (2)
115	50.44	117.73	Shut-In(2)
196	1736.44	120.64	End Shut-In(2)
197	2106.46	120.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	189 ft. gas in pipe	0.00
61.00	ocm-30%o70%m	0.30

\* 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.

**22-9s-32w Thomas,KS**

PO Box 50986  
Amarillo TX 79159

**Bertrand #1-22**

Job Ticket: 48221

**DST#: 2**

ATTN: Justin Carter

Test Start: 2012.10.25 @ 07:10:00

## Tool Information

Drill Pipe:	Length: 4222.00 ft	Diameter: 3.80 inches	Volume: 59.22 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 61.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 59.52 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4290.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	88.00 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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Shut In Tool	5.00			4267.00	
Hydraulic tool	5.00			4272.00	
Jars	5.00			4277.00	
Safety Joint	3.00			4280.00	
Packer	5.00			4285.00	28.00 Bottom Of Top Packer
Packer	5.00			4290.00	
Stubb	1.00			4291.00	
Perforations	1.00			4292.00	
Change Over Sub	1.00			4293.00	
Recorder	0.00	8791	Inside	4293.00	
Recorder	0.00	8673	Outside	4293.00	
Drill Pipe	31.00			4324.00	
Change Over Sub	1.00			4325.00	
Perforations	22.00			4347.00	
Bullnose	3.00			4350.00	60.00 Bottom Packers & Anchor

**Total Tool Length: 88.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Questa Energy Corp.

**22-9s-32w Thomas,KS**

PO Box 50986  
Amarillo TX 79159

**Bertrand #1-22**

Job Ticket: 48221

**DST#: 2**

ATTN: Justin Carter

Test Start: 2012.10.25 @ 07:10:00

## 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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	189 ft. gas in pipe	0.000
61.00	ocm-30%o70%m	0.300

Total Length: 61.00 ft

Total Volume: 0.300 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

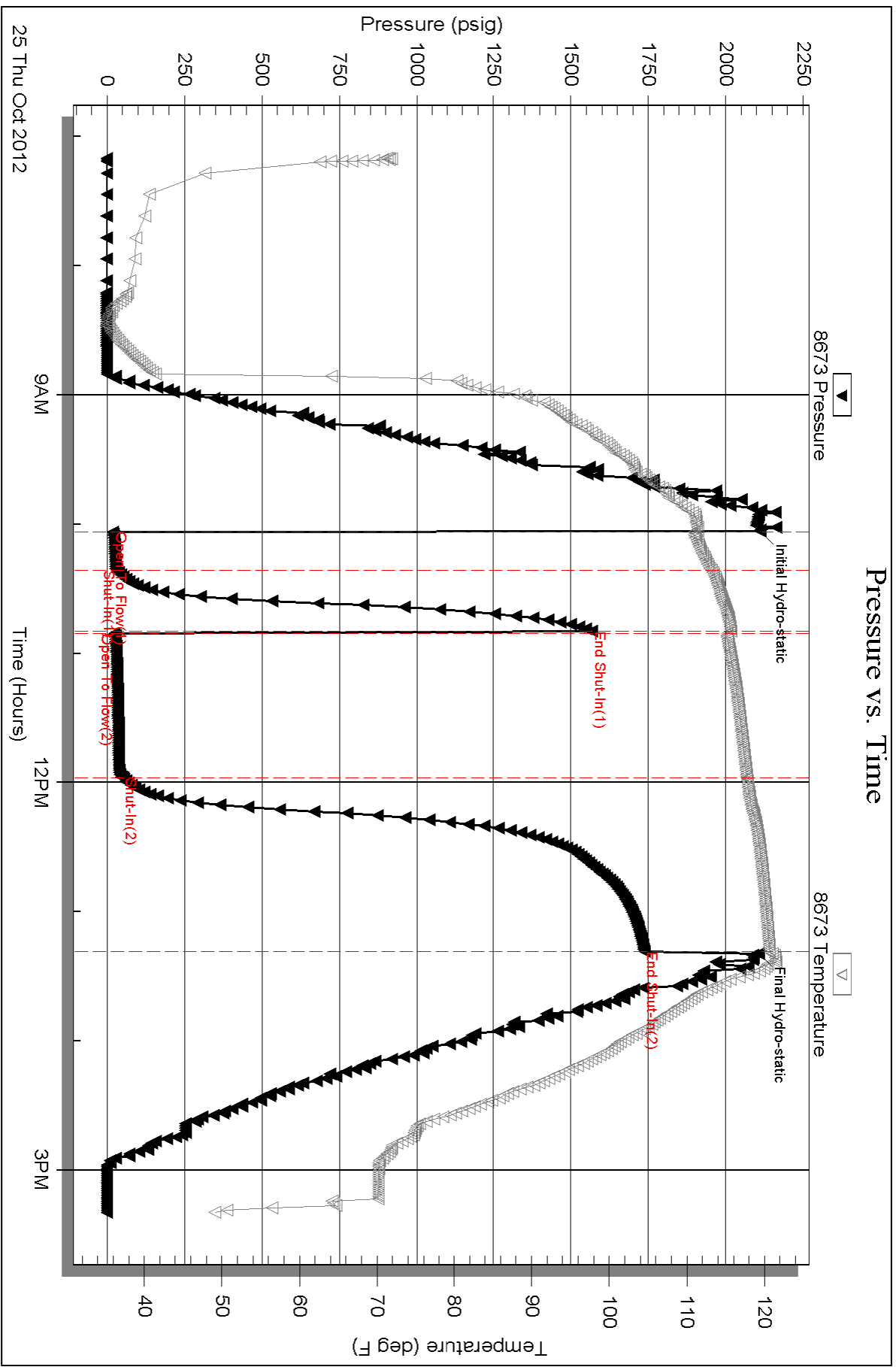
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





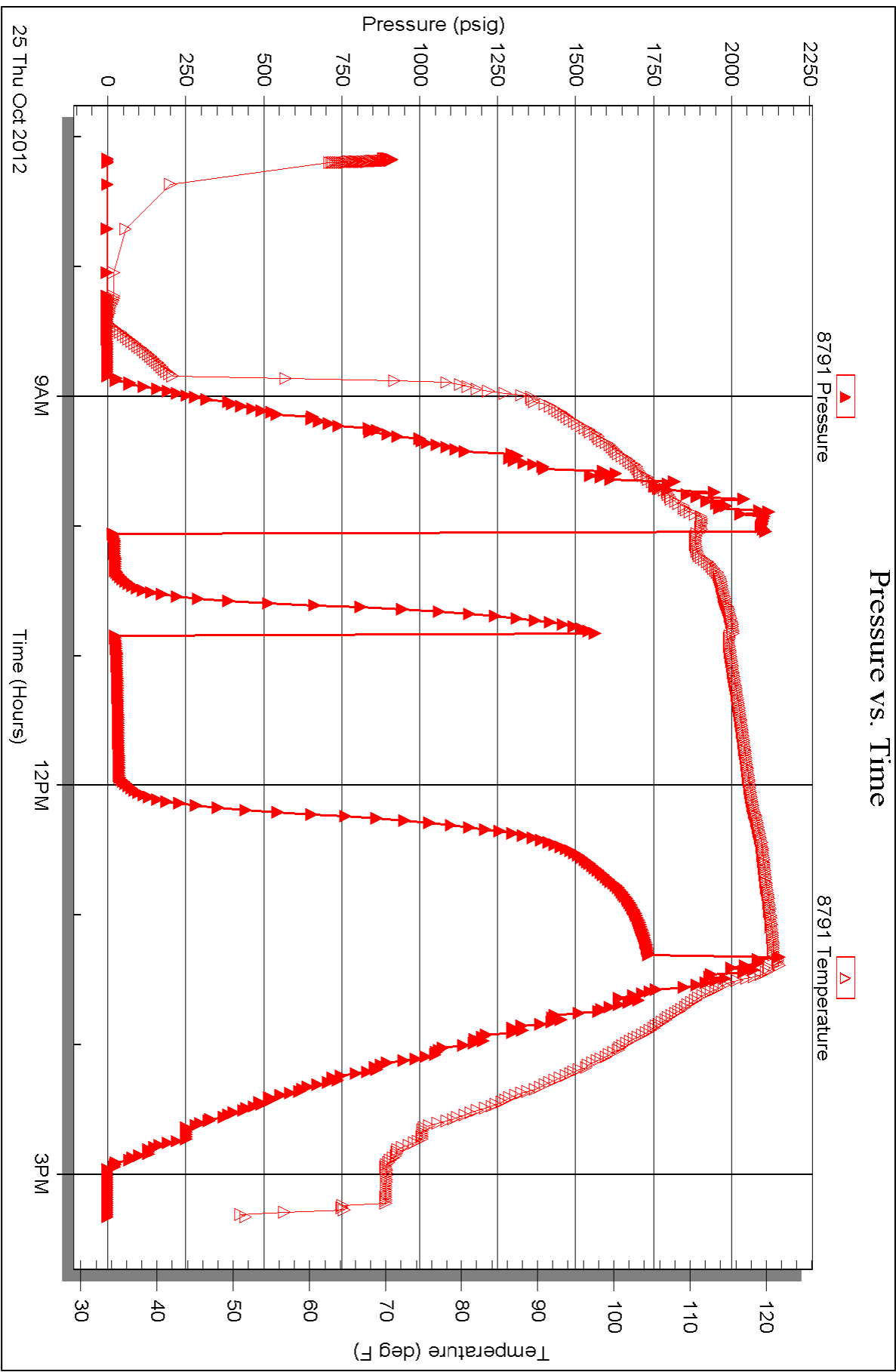
Serial #: 8791

Inside

Questa Energy Corp.

Bertrand #1-22

DST Test Number: 2



# TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

NO. 48220

4/10

Well Name & No. Owner Refund Backpack 1-22 Test No. 1 Date 10-24-2012  
 Company Questa Energy Corp Elevation 3078 KB 370 GL  
 Address P.O. Box 50968 Amarillo TX. 79159  
 Co. Rep / Geo. Justin Carter Rig Val #4  
 Location: Sec. 22 Twp. 9S Rge. 32W Co. Thomas State Ks

Interval Tested 4240 4286 Zone Tested LKC-I, J  
 Anchor Length 46 Drill Pipe Run 4162 Mud Wt. 9.2  
 Top Packer Depth 4235 Drill Collars Run 61. Vis 53  
 Bottom Packer Depth 4240 Wt. Pipe Run -0- WL 7.2  
 Total Depth 4286 Chlorides 2500 ppm System LCM 2#

Blow Description IF: Strong blow, Built to B.O.B in 2 mins.  
ISE: Bleed off, Blow back after 1 min. Built to 3 min. over 30 min  
FF: Strong blow, Built to B.O.B in 2 mins.

FES: Bleed off, Blow back after 9 min. Built to B.O.B in 4 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>388</u>	<u>90</u>	<u>30</u>	<u>70</u>		
<u>252</u>	<u>gmo</u>	<u>40</u>	<u>40</u>		<u>20</u>
<u>126</u>	<u>gocm</u>	<u>30</u>	<u>20</u>		<u>56</u>
<u>0</u>	<u>3205 gas in pipe</u>				

Rec Total 766 BHT 128 Gravity 36 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2136</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>11:00</u>
(B) First Initial Flow <u>58</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:30</u>
(C) First Final Flow <u>112</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:18</u>
(D) Initial Shut-In <u>894</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>18:30</u>
(E) Second Initial Flow <u>127</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>21:28</u>
(F) Second Final Flow <u>302</u>	<input checked="" type="checkbox"/> Mileage <u>60x2 = 120x1.55 = 88rt 136.40</u>	Comments _____
(G) Final Shut-In <u>880</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2035</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby _____	Total <u>1711.40</u>
	<input checked="" type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1711.40</u>	

Approved By \_\_\_\_\_ Our Representative Chad Meyer  
 Tribotite 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.



# TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

NO. 48221

Well Name & No. Betrand 1-22 Test No. 2 Date 10-25-2012  
 Company Quest Energy Corp. Elevation 3078 KB 3070 GL  
 Address P.O. Box 50968 Amarillo  
 Co. Rep / Geo. Justin Carter Rig Val #4  
 Location: Sec. 22 Twp. 9S Rge. 32W Co. Thomas State Ks

Interval Tested 4290 4350 Zone Tested 4K1-K6  
 Anchor Length 60 Drill Pipe Run 4222 Mud Wt. 9.2  
 Top Packer Depth 4285 Drill Collars Run 61 Vis 53  
 Bottom Packer Depth 4290 Wt. Pipe Run -0- WL 7.2  
 Total Depth 4350 Chlorides 2500 ppm System LCM Q#

Blow Description IF: Weak blow, Built to 2in over 15 mins.  
ISF: No blow back over 30 mins.  
FF: Weak blow built to 7in over 60mins.  
FSF: No blow back over 90 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>61</u>	<u>OCM</u>	<u>30</u>			<u>70</u>
<u>0</u>	<u>180 ft gas in pipe</u>				

Rec Total 61 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2111</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>6:50</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>7:10</u>
(C) First Final Flow <u>31</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:03</u>
(D) Initial Shut-In <u>1568</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>13:20</u>
(E) Second Initial Flow <u>24</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>15:20</u>
(F) Second Final Flow <u>50</u>	<input checked="" type="checkbox"/> Mileage <del>60x2=120x1.55=18600x2</del> <u>272.80</u>	Comments <u>last test on 25th</u> <u>at 1530 loaded toolson</u> <u>27th at 6am</u>
(G) Final Shut-In <u>1736</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2106</u> <del>2216</del>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>800</u>
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>2647.80</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby <u>1 day 15 hours</u>	MP/DST Disc't _____
	<input checked="" type="checkbox"/> Accessibility _____	
	Sub Total <u>1847.80</u>	

Approved By \_\_\_\_\_ Our Representative chad [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 37238  
LOCATION Oakley  
FOREMAN Fuzzey

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

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-29-12		Beitland 1-22	22	95	32W	Thomas
CUSTOMER <u>Quest Energy Corp.</u>			OAKLEY 2N W1W			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			463	COY D		
STATE			693	TRUCK W		
ZIP CODE			530	JORDAN H		

JOB TYPE 2-stage HOLE SIZE 7718 HOLE DEPTH 4765' CASING SIZE & WEIGHT 5"2 15.5  
CASING DEPTH 4753' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER DU Tool-265#  
SLURRY WEIGHT 13.2-12.5 SLURRY VOL 142-1.89 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 219'  
DISPLACEMENT 112.6 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on 10/24/12. Float Equip. Cont. #1-4-7-10-13-16-48-50  
Bucket - Top 48 DU Topos 219 Rig up & circ 1/2 hr. Pump 5 BBL water @  
500 gal mud flush, 5 BBL water, mix 160 sks OWC w/ 5" col seal. Wash  
pump and lines. Dip plus and displace 48 BBL water, 65' 1/4 BBL mud. 700'  
lift 1400' Drop DU Tool with 15 min open DU Tool @ 1000'  
circ 2 hr. Pump 5 BBL water, mix 20 sks MH-309K BH. Mix 450 sks  
60/40 pod 1/4" col seal. Wash pump and lines. Dip plus and displace  
64 BBL water. 900' lift close DU Tool @ 1700'. Cement did  
circulate approx 25 BBL to pit.

Thanks Fuzzey crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3020 <sup>00</sup>	3020 <sup>00</sup>
5406	10	MILEAGE	5 <sup>00</sup>	50 <sup>00</sup>
5407A	29 <del>400</del>	Tow mileage Delivery	167	484 <sup>30</sup>
1126	160 sks	OWC	23 <sup>55</sup>	3608 <sup>00</sup>
1110A	800#	Kolseal	1.56	448 <sup>00</sup>
1131	500 sks	60/40 pod	15 <sup>10</sup>	7550 <sup>00</sup>
1112B	3440#	Bentonite	1.25	860 <sup>00</sup>
1107	125#	Flosumal	2 <sup>82</sup>	352 <sup>30</sup>
1144G	500 gal	Mud Flush	1 <sup>00</sup>	500 <sup>00</sup>
4159	1	5"2. AFU Float shoe	413 <sup>00</sup>	413 <sup>00</sup>
4104	1	5"2. BusArt (W)	276 <sup>00</sup>	276 <sup>00</sup>
4136	8	5"2. Turbolizers (W)	72 <sup>00</sup>	576 <sup>00</sup>
	1	5"2. DU Tool w/ tabular	3850 <sup>00</sup>	3850 <sup>00</sup>
		subtotal		21987 <sup>00</sup>
		less 10%		21987 <sup>00</sup>
		subtotal		19789 <sup>00</sup>
		SALES TAX		
		ESTIMATED TOTAL		

Ravin 3737

AUTHORIZATION Rob McGough TITLE \_\_\_\_\_ DATE 10/28/12

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.



# CEMENTING LOG

STAGE NO. \_\_\_\_\_

Date 10-19-12 District Darkey, KS Ticket No. 56335  
 Company Questar Energy Corp Rig Wol 49  
 Lease Hartland Well No. 1-22  
 County Thomas State KS  
 Location 22-9-32 Field \_\_\_\_\_  
Darkey, 9 1/2 W, Wanta

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 8 1/2 Type new Weight 24 Collar \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type Com 39,00  
29,901 Excess \_\_\_\_\_  
 Amt. 220 Sks Yield 1.34 ft<sup>3</sup>/sk Density 15.02 PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Casing Depths: Top R.B Bottom 346.23'

Pump Trucks Used 423/281-Tyler  
 Bulk Equip. 904-Keum R.

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 12 1/4 T.D. 350 ft. P.B. to \_\_\_\_\_ ft.

Float Equip: Manufacturer \_\_\_\_\_ Depth \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Water Amt. 2123 Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 1.0637 Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENTER LoRene

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls/Min.	
						Hold Safety meeting
5:30						5:30 water
						5:30 cement 220 SKs
						weigh cement 3 times
						3:30 cement
						Release plug.
6:00				30	18.23	Wash apparatus 9 mins
						Displace with water.
						Remnant did circulate
						Hold Safety meeting
						Thank you.

FINAL DISP. PRESS. \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs. THANK YOU

# ALLIED OIL & GAS SERVICES, LLC 056335

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
*Oakley, KS*

DATE <i>10-19-12</i>	SEC. <i>22</i>	TWP. <i>9</i>	RANGE <i>32</i>	CALLED OUT	ON LOCATION <i>3:00pm</i>	JOB START <i>5:30pm</i>	JOB FINISH <i>6:00pm</i>
LEASE <i>Portland</i>		WELL # <i>1-22</i>		LOCATION <i>Oakley, 9120 White</i>		COUNTY <i>Thomas</i>	STATE <i>KS</i>
OLD OR NEW (Circle one)							

CONTRACTOR *Vai E4*  
 TYPE OF JOB *Surface*  
 HOLE SIZE *10 7/8* T.D. *350'*  
 CASING SIZE *8 3/8* DEPTH *34123*  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. *15'*  
 PERFS.  
 DISPLACEMENT *32.23 bbl*

OWNER *Same*  
 CEMENT  
 AMOUNT ORDERED *220 SKS cement 39% 10*  
*270 gal*

**EQUIPMENT**

PUMP TRUCK CEMENTER *Lokan White*  
 # *423/281* HELPER *Tyler Tlipse*  
 BULK TRUCK  
 # *409* DRIVER *Keon Ryan*  
 BULK TRUCK  
 # DRIVER

COMMON	<i>220 SKS @ 17.90</i>	<i>3938.00</i>
POZMIX	@	
GEL	<i>4 SKS @ 23.40</i>	<i>93.60</i>
CHLORIDE	<i>8 SKS @ 64.00</i>	<i>512.00</i>
ASC	@	
HANDLING	<i>232.87 @ 2.40</i>	<i>559.97</i>
MILEAGE	<i>10.86 hrs @ 107.260</i>	<i>1166.36</i>
<b>TOTAL</b>		<i>5415.72</i>

**REMARKS:**

*MIX 220 SKS cement  
 Displace with water  
 Cement did circulate  
 Thank you*

**SERVICE**

DEPTH OF JOB	<i>34823'</i>	
PUMP TRUCK CHARGE		<i>1512.25</i>
EXTRA FOOTAGE	@	
MILEAGE <i>MI HW</i>	<i>10 @ 7.70</i>	<i>77.00</i>
MANIFOLD <i>Acad</i>	@	<i>225.00</i>
<i>MI LW</i>	<i>10 @ 4.40</i>	<i>44.00</i>
<b>TOTAL</b>		<i>1908.25</i>

CHARGE TO: *Quest Energy Corp.*  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE *KS* ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

<i>Wooden plug</i>	@	<i>109.64</i>
	@	
	@	
	@	

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

December 18, 2012

Curtis Smith  
Questa Energy Corporation  
PO BOX 50968  
AMARILLO, TX 79159-0968

Re: ACO1  
API 15-193-20864-00-00  
Bertrand 1-22  
NE/4 Sec.22-09S-32W  
Thomas County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Curtis Smith