



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1171600
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
-----------------------------------	-----------------	---

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: _____

1171600

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	Zerr 'A' 1-18
Doc ID	1171600

Tops

Name	Top	Datum
Anhydrite	2260	408
Base Anhydrite	2300	368
Heebner	3911	-1243
Lansing	3953	-1285
Stark	4151	-1483
BKC	4197	-1529
Pawnee	4346	-1678
Ft Scott	4420	-1752
Cherokee	4446	-1778
Mississippian	4514	-1846

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 05, 2013

Nicholas D. Hess
Cobalt Energy LLC
115 S. BELMONT #12
PO BOX 8037
WICHITA, KS 67208

Re: ACO1
API 15-063-22155-00-00
Zerr 'A' 1-18
SE/4 Sec.18-11S-26W
Gove 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,
Nicholas D. Hess



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Bob Stolzle

Zerr A #1-18

18-11s-26w Gove,KS

Start Date: 2013.11.27 @ 09:39:52

End Date: 2013.11.27 @ 16:29:52

Job Ticket #: 039762 DST #: 1

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

Printed: 2013.12.03 @ 10:28:42



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC
 PO Box 8037
 Wichita KS 67208
 ATTN: Bob Stolzle

18-11s-26w Gove,KS
Zerr A #1-18
 Job Ticket: 039762 **DST#: 1**
 Test Start: 2013.11.27 @ 09:39:52

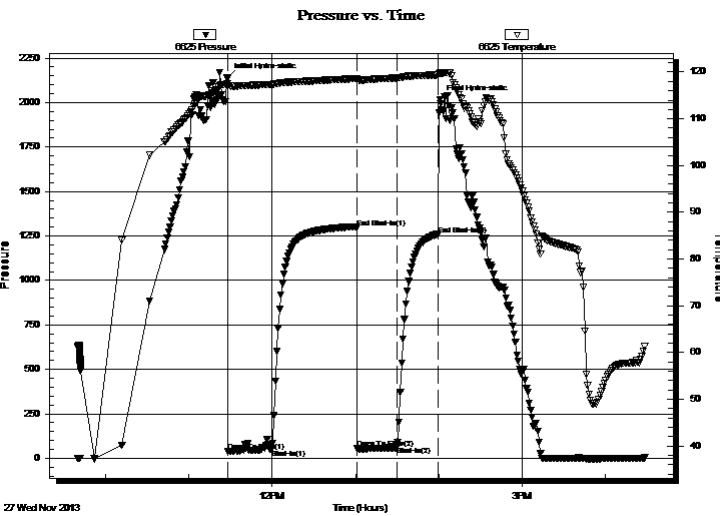
GENERAL INFORMATION:

Formation: **LKC- H & I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:28:22
 Time Test Ended: 16:29:52
 Interval: **4068.00 ft (KB) To 4130.00 ft (KB) (TVD)**
 Total Depth: 4130.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jeff Brown
 Unit No: 67
 Reference Elevations: 2668.00 ft (KB)
 2658.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6625 Outside

Press@RunDepth: 64.96 psig @ 4106.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.27 End Date: 2013.11.27 Last Calib.: 2013.11.27
 Start Time: 09:39:53 End Time: 16:28:52 Time On Btm: 2013.11.27 @ 11:27:52
 Time Off Btm: 2013.11.27 @ 14:00:52

TEST COMMENT: IFP=Weak blow built to 1 1/8"
 IS=Dead no blow back
 FFP=Dead no blow
 FS=Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2138.37	117.57	Initial Hydro-static
1	39.04	117.16	Open To Flow (1)
32	52.57	117.38	Shut-In(1)
93	1296.06	118.60	End Shut-In(1)
94	53.91	118.34	Open To Flow (2)
122	64.96	118.74	Shut-In(2)
152	1258.30	119.39	End Shut-In(2)
153	2018.10	119.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	WM with oil spots	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC
 PO Box 8037
 Wichita KS 67208
 ATTN: Bob Stolzle

18-11s-26w Gove, KS
Zerr A #1-18
 Job Ticket: 039762 **DST#: 1**
 Test Start: 2013.11.27 @ 09:39:52

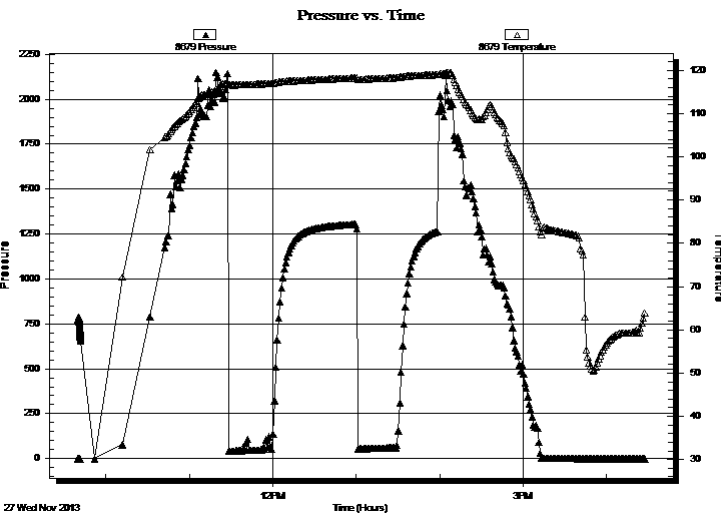
GENERAL INFORMATION:

Formation: **LKC- H & I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:28:22
 Time Test Ended: 16:29:52
 Interval: **4068.00 ft (KB) To 4130.00 ft (KB) (TVD)**
 Total Depth: 4130.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jeff Brown
 Unit No: 67
 Reference Elevations: 2668.00 ft (KB)
 2658.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8679 Inside

Press@RunDepth: psig @ 4106.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.27 End Date: 2013.11.27 Last Calib.: 2013.11.27
 Start Time: 09:39:49 End Time: 16:27:48 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP=Weak blow built to 1 1/8"
 IS=Dead no blow back
 FFP=Dead no blow
 FS=Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	WM with oil spots	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

18-11s-26w Gove,KS

PO Box 8037
Wichita KS 67208

Zerr A #1-18

Job Ticket: 039762

DST#: 1

ATTN: Bob Stolzle

Test Start: 2013.11.27 @ 09:39:52

Tool Information

Drill Pipe:	Length: 3821.00 ft	Diameter: 3.80 inches	Volume: 53.60 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 54.77 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4068.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	90.00 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			4041.00	
Shut In Tool	5.00			4046.00	
Hydraulic tool	5.00			4051.00	
Jars	5.00			4056.00	
Safety Joint	3.00			4059.00	
Packer	4.00			4063.00	28.00 Bottom Of Top Packer
Packer	5.00			4068.00	
Stubb	1.00			4069.00	
Perforations	4.00			4073.00	
Change Over Sub	1.00			4074.00	
Drill Pipe	31.00			4105.00	
Change Over Sub	1.00			4106.00	
Recorder	0.00	6625	Outside	4106.00	
Recorder	0.00	8679	Inside	4106.00	
Perforations	20.00			4126.00	
Bullnose	4.00			4130.00	62.00 Bottom Packers & Anchor
Total Tool Length:	90.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

18-11s-26w Gove,KS

PO Box 8037
Wichita KS 67208

Zerr A #1-18

Job Ticket: 039762

DST#: 1

ATTN: Bob Stolzle

Test Start: 2013.11.27 @ 09:39:52

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:

26000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	WM with oil spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

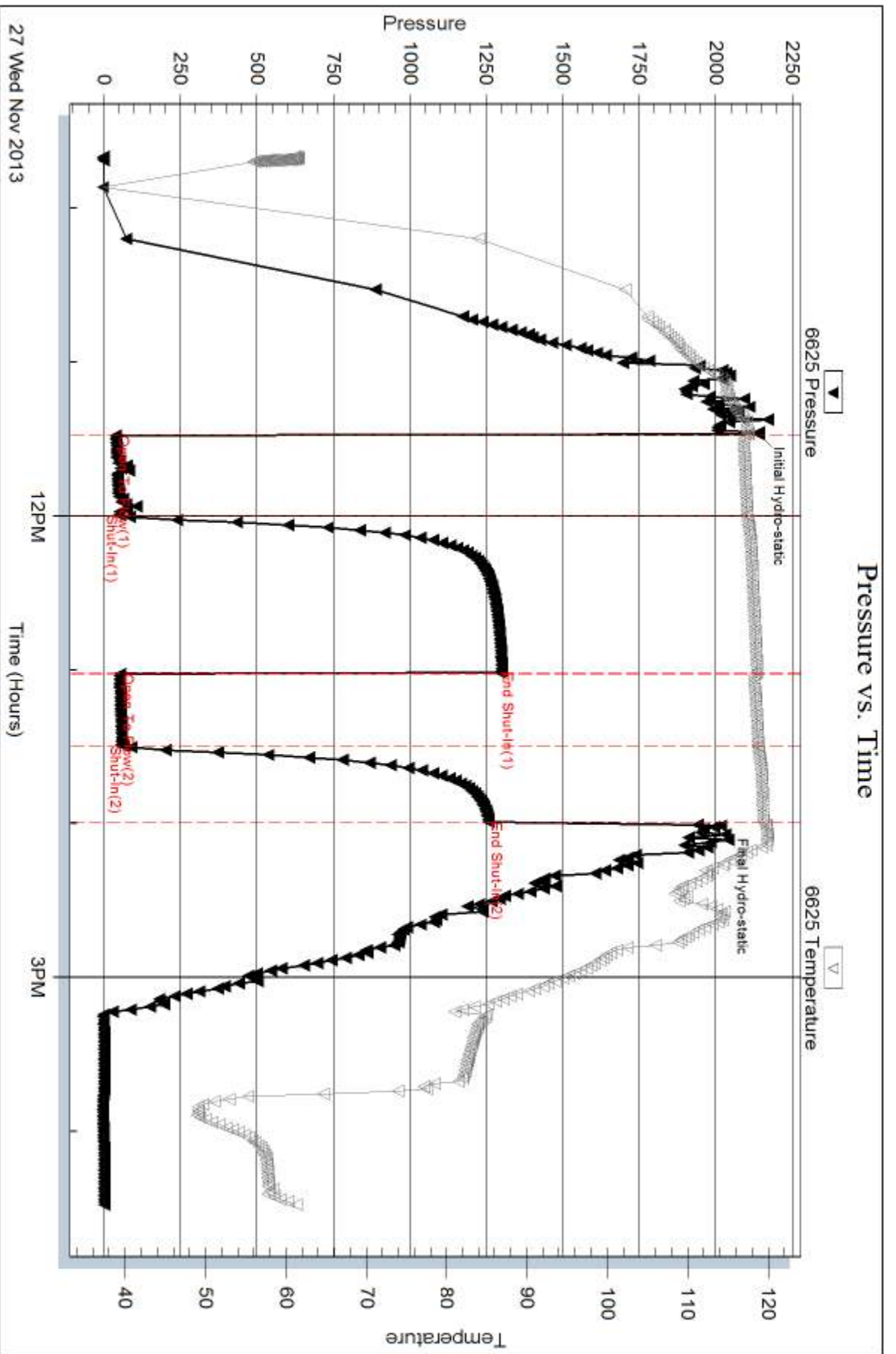
Num Gas Bombs: 0

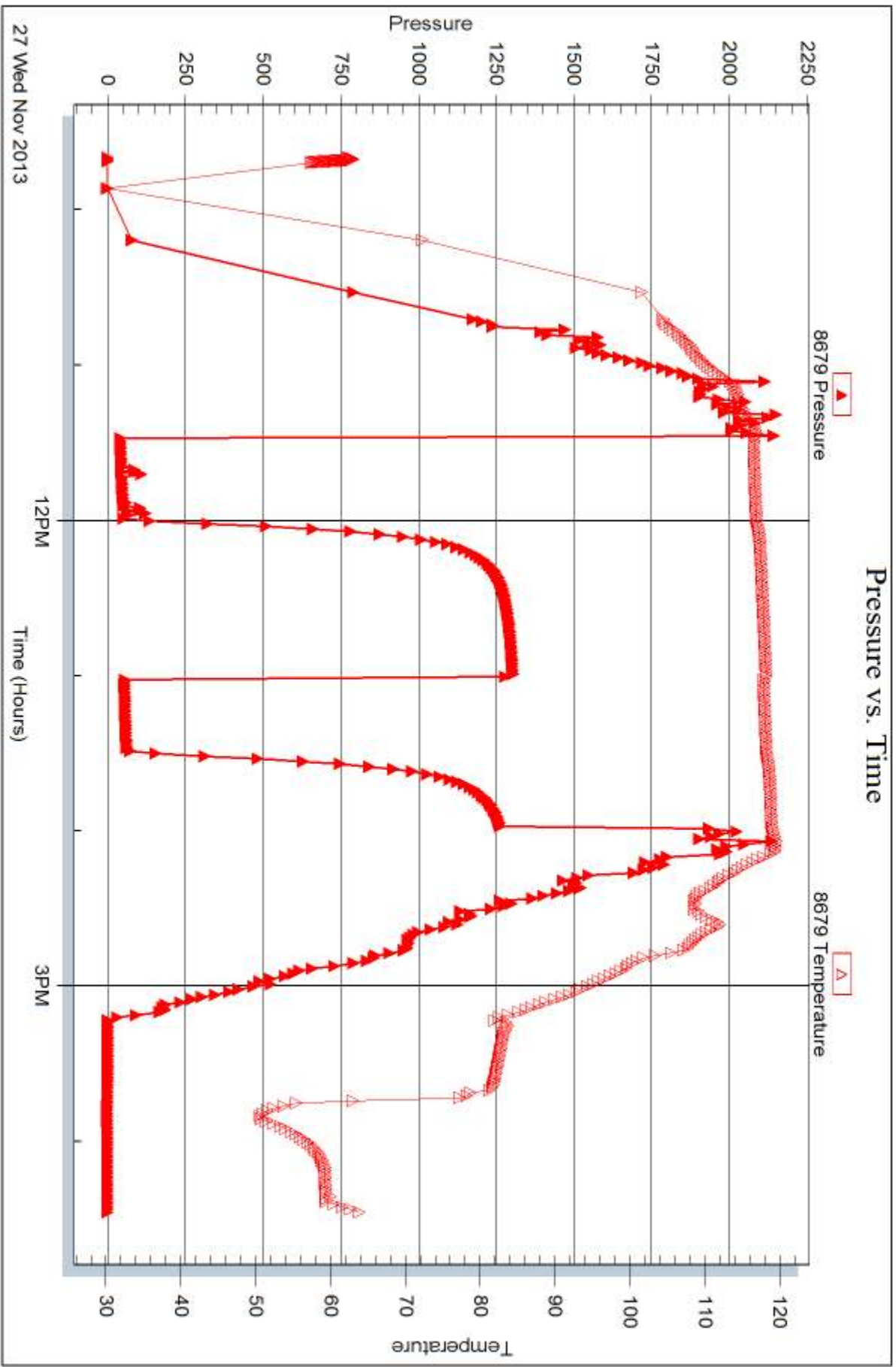
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Bob Stolzle

Zerr A #1-18

18-11s-26w Gove,KS

Start Date: 2013.11.28 @ 19:27:15

End Date: 2013.11.29 @ 03:06:45

Job Ticket #: 039763 DST #: 2

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

Printed: 2013.12.03 @ 10:22:08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

18-11s-26w Gove,KS

PO Box 8037
Wichita KS 67208

Zerr A #1-18

Job Ticket: 039763

DST#: 2

ATTN: Bob Stolzle

Test Start: 2013.11.28 @ 19:27:15

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:59:45

Time Test Ended: 03:06:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 67

Interval: 4385.00 ft (KB) To 4440.00 ft (KB) (TVD)

Reference Elevations: 2668.00 ft (KB)

Total Depth: 4440.00 ft (KB) (TVD)

2658.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6625 Outside

Press@RunDepth: 36.32 psig @ 4421.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.28

End Date:

2013.11.29

Last Calib.:

2013.11.29

Start Time: 19:27:16

End Time:

03:05:45

Time On Btm:

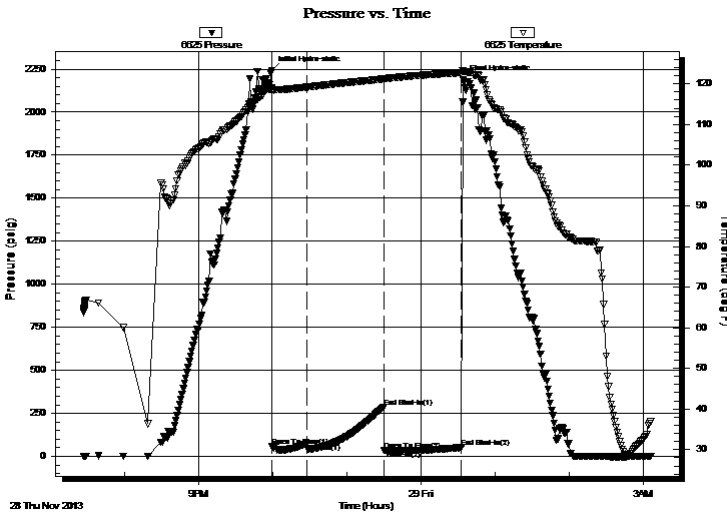
2013.11.28 @ 21:59:15

Time Off Btm:

2013.11.29 @ 00:34:15

TEST COMMENT: IFP=Weak blow built to 1" dead back to 1/4"
IS=Dead no blow back
FFP=Dead no blow
FS=Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.70	118.89	Initial Hydro-static
1	57.85	118.49	Open To Flow (1)
29	78.11	119.18	Shut-In(1)
91	287.58	121.19	End Shut-In(1)
91	36.97	121.17	Open To Flow (2)
121	36.32	122.09	Shut-In(2)
154	51.68	122.74	End Shut-In(2)
155	2187.27	123.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud with a scum of oil	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC

18-11s-26w Gove,KS

PO Box 8037
Wichita KS 67208

Zerr A #1-18

Job Ticket: 039763

DST#: 2

ATTN: Bob Stolzle

Test Start: 2013.11.28 @ 19:27:15

GENERAL INFORMATION:

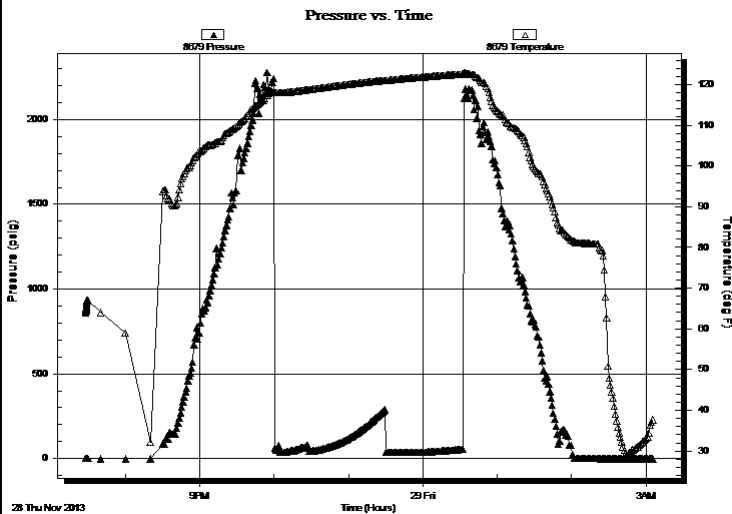
Formation: **Ft Scott**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 21:59:45 Tester: Jeff Brown
 Time Test Ended: 03:06:45 Unit No: 67
 Interval: **4385.00 ft (KB) To 4440.00 ft (KB) (TVD)** Reference Elevations: 2668.00 ft (KB)
 Total Depth: 4440.00 ft (KB) (TVD) 2658.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8679

Inside

Press@RunDepth: psig @ 4421.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.28 End Date: 2013.11.29 Last Calib.: 2013.11.29
 Start Time: 19:27:56 End Time: 03:05:25 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP=Weak blow built to 1" dead back to 1/4"
 IS=Dead no blow back
 FFP=Dead no blow
 FS=Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud w ith a scum of oil	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

18-11s-26w Gove,KS

PO Box 8037
Wichita KS 67208

Zerr A #1-18

Job Ticket: 039763

DST#: 2

ATTN: Bob Stolzle

Test Start: 2013.11.28 @ 19:27:15

Tool Information

Drill Pipe:	Length: 4135.00 ft	Diameter: 3.80 inches	Volume: 58.00 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: 59.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4385.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	83.00 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			4358.00	
Shut In Tool	5.00			4363.00	
Hydraulic tool	5.00			4368.00	
Jars	5.00			4373.00	
Safety Joint	3.00			4376.00	
Packer	4.00			4380.00	28.00 Bottom Of Top Packer
Packer	5.00			4385.00	
Stubb	1.00			4386.00	
Perforations	2.00			4388.00	
Change Over Sub	1.00			4389.00	
Drill Pipe	31.00			4420.00	
Change Over Sub	1.00			4421.00	
Recorder	0.00	6625	Outside	4421.00	
Recorder	0.00	8679	Inside	4421.00	
Perforations	15.00			4436.00	
Bullnose	4.00			4440.00	55.00 Bottom Packers & Anchor
Total Tool Length:	83.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

18-11s-26w Gove,KS

PO Box 8037
Wichita KS 67208

Zerr A #1-18

Job Ticket: 039763

DST#: 2

ATTN: Bob Stolzle

Test Start: 2013.11.28 @ 19:27:15

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud with a scum of oil	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

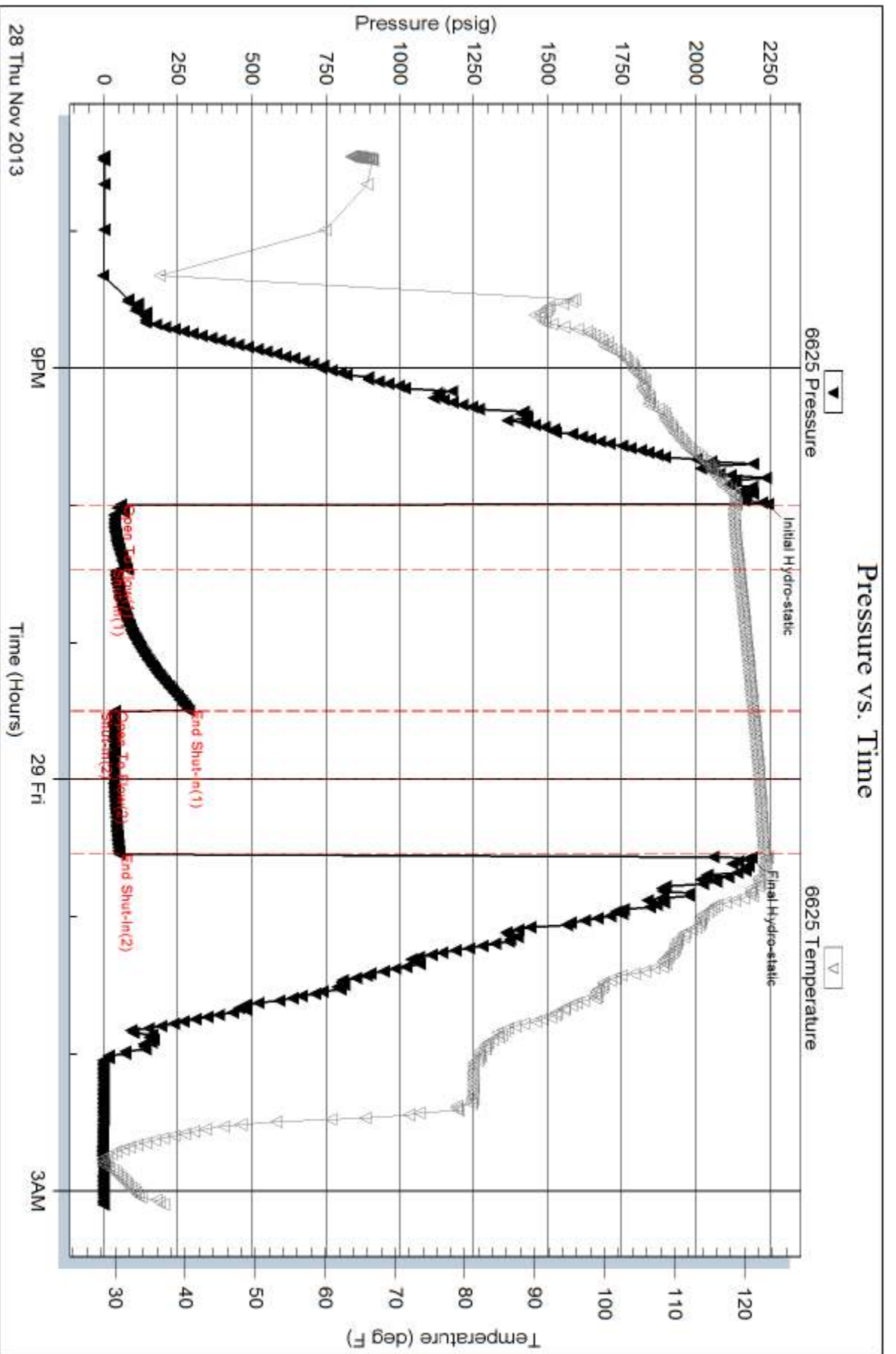
Num Gas Bombs: 0

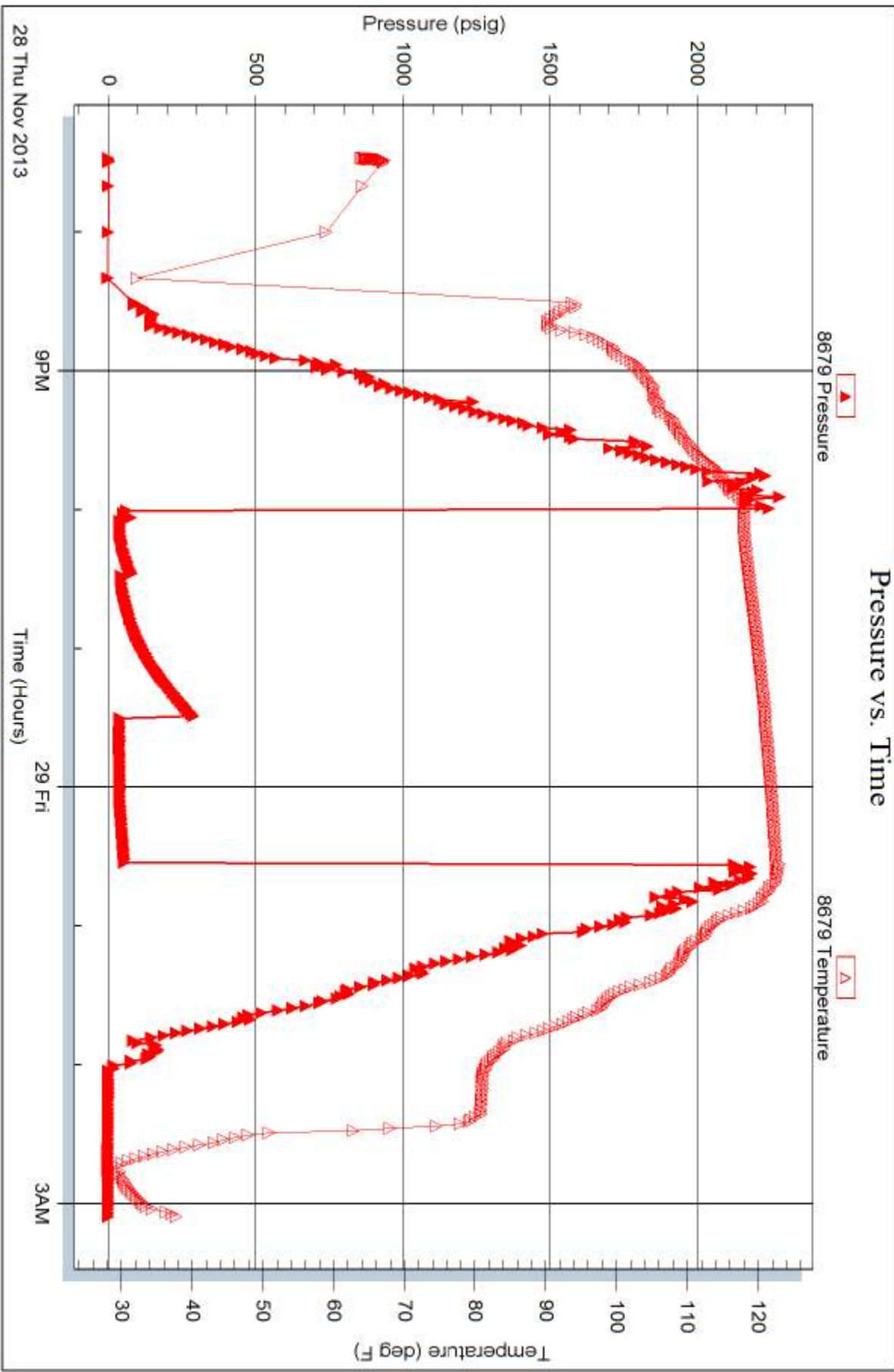
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 039762

Well Name & No. Zerr A #1-18 Test No. 1 Date 11-27-13
 Company Cobalt Energy LLC Elevation 2448 KB _____ GL _____
 Address Po Box 8037 Wichita KS 67208
 Co. Rep / Geo. Bob Stolze Rig Murfin Rig #22
 Location: Sec. 18 Twp. 11S Rge. 26 W Co. Gove State _____

Interval Tested 4068-4130 Zone Tested LKC - H + I
 Anchor Length 62 Drill Pipe Run 3821 Mud Wt. 9.4
 Top Packer Depth 4063 Drill Collars Run 238 Vis 600
 Bottom Packer Depth 4065 Wt. Pipe Run 0 WL 6.0
 Total Depth 4130 Chlorides 1500 ppm System LCM 2

Blow Description FF-Weak Blow Built to 1 1/8 IN
ISI-Dead No Blow Back
FF-Dead No Blow
FSI-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MW WITH OIL SPOT</u>			<u>10</u>	<u>90</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 119 Gravity _____ API RW. 309 @ 59.1° F Chlorides 24,000 ppm

(A) Initial Hydrostatic <u>2138</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>9:05</u>
(B) First Initial Flow <u>39</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>9:39</u>
(C) First Final Flow <u>53</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>11:29</u>
(D) Initial Shut-In <u>1296</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>13:59</u>
(E) Second Initial Flow <u>54</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:29</u>
(F) Second Final Flow <u>65</u>	<input checked="" type="checkbox"/> Mileage 114rt 176.70	Comments _____
(G) Final Shut-In <u>1258</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2018</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total <u>1751.70</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	Sub Total <u>1751.70</u>

Approved By _____ Our Representative Jeff Blown
 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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 039763

4/10

Well Name & No. Zerr A # 1-18 Test No. 2 Date 11-28-13
 Company Cobalt Energy LLC Elevation 2668 KB 2658 GL
 Address PO Box 8037 Wichita, KS 67208
 Co. Rep / Geo. Bob Stolze Rig Murfin Rig # 22
 Location: Sec. 18 Twp. 11S Rge. 26W Co. Gove State KS

Interval Tested 4385-4440 Zone Tested Ft Scott
 Anchor Length 55 Drill Pipe Run 4135 Mud Wt. 9.3
 Top Packer Depth 4380 Drill Collars Run 238 Vis 55
 Bottom Packer Depth 4385 Wt. Pipe Run 0 WL 40.0
 Total Depth 4440 Chlorides 2800 ppm System LCM 2

Blow Description FF-Weak Blow Built to 1 IN DIED BACK TO 1/4 IN
ISI-Dead No Blow Back
FF-Dead No Blow
ISI-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>MUD WITH A SCUM OF OIL</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 3 BHT 123 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2243</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>19:10</u>
(B) First Initial Flow <u>58</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>19:27</u>
(C) First Final Flow <u>78</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>22:00</u>
(D) Initial Shut-In <u>288</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>00:30</u>
(E) Second Initial Flow <u>37</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>3:06</u>
(F) Second Final Flow <u>36</u>	<input checked="" type="checkbox"/> Mileage 176.70	Comments _____
(G) Final Shut-In <u>52</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2187</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer

Initial Open 30
 Initial Shut-In 40
 Final Flow 30
 Final Shut-In 30

Sub Total 1751.70

Sub Total 91.67
 Total 1843.37
 MP/DST Disc't _____

Approved By _____ Our Representative Jeff Brown

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.

ALLIED OIL & GAS SERVICES, LLC 062154

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley KS
(11-23-13)

DATE <u>11-22-13</u>	SEC <u>18</u>	TWP <u>11</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION <u>11:00 am</u>	JOB START <u>1:00 am</u>	JOB FINISH <u>1:30 am</u>
LEASE <u>Zerra</u>		WELL # <u>1-18</u>		LOCATION <u>Quarter N to BB 1/4 W</u>		COUNTY <u>Govt</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				N into			

CONTRACTOR <u>Murfin 22</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u> T.D. <u>275</u>	CEMENT
CASING SIZE <u>8 5/8</u> DEPTH <u>274.53</u>	AMOUNT ORDERED <u>200 sks Com 3% OCL</u>
TUBING SIZE DEPTH	<u>2% gel</u>
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON <u>200 sks @ 17.90 3580.00</u>
MEAS. LINE SHOE JOINT	POZ MIX @
CEMENT LEFT IN CSG. <u>15'</u>	GEL <u>4 sks @ 23.40 93.60</u>
PERFS.	CHLORIDE <u>6 sks @ 64.00 384.00</u>
DISPLACEMENT <u>11.56 bbl water</u>	ASC @
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Paul Bauer</u>	
# <u>120</u> HELPER <u>Tyler Flipp</u>	
BULK TRUCK	
# <u>600</u> DRIVER <u>Juan (TWS)</u>	
BULK TRUCK	
# DRIVER	

	TOTAL	
HANDLING <u>20 6.47 @ 13</u>	@ 2.46	<u>512.54</u>
MILEAGE <u>9.84 hrs @ 35</u>	@ 2.60	<u>255.44</u>
		TOTAL 5465.58

REMARKS:
Mix 200 sks Com 3% OCL 2% gel
Displace w/ water (11.56 bbl)
Cement did circulate

SERVICE		
DEPTH OF JOB <u>275'</u>		
PUMP TRUCK CHARGE		<u>1512.25</u>
EXTRA FOOTAGE @		
MILEAGE MIN <u>35</u>	@ 7.70	<u>269.50</u>
MANIFOLD @		
<u>MILV 35</u>	@ 4.40	<u>154.00</u>

TOTAL 1935.75

CHARGE TO: Colbalt Energy
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT		
	@	
	@	
	@	
	@	
	@	

TOTAL _____

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.

SALES TAX (if Any) _____
TOTAL CHARGES 7,401.33
DISCOUNT 1,628.29 IF PAID IN 30 DAYS
5,773.03 Net.

PRINTED NAME KELLY WILSON
SIGNATURE Kelly Wilson

ALLIED OIL & GAS SERVICES, LLC 061975

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Cobalt

DATE	11-30-13	SEC.	18	TWP.	11	RANGE	26	CALLED OUT		ON LOCATION		JOB START	9:30 AM	JOB FINISH	10:30 AM
LEASE	Zerr A	WELL#	1-13	LOCATION	1-70 A @ water ext. 2N							COUNTY	Tarrant	STATE	TX
OLD OR NEW	(Circle one)				y y w W in 40										

CONTRACTOR Murphy 22
 TYPE OF JOB Rotary Pump
 HOLE SIZE 12 1/4 I.D.
 CASING SIZE 8 1/2 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH 2290
 TOOL DEPTH
 PRES. MAX. MINIMUM
 MEAS. LINE SHOE JOINT

OWNER
 CEMENT
 AMOUNT ORDERED 220 SKS 60/40
Wagel left

CEMENT LEFT IN CSG. All
 PERFS.
 DISPLACEMENT Freshwater

COMMON	132	@ 17.90	2,362. ⁸⁰
POZMIX	88	@ 9.35	822. ⁸⁰
GEL	8	@ 23.40	187. ²⁰
CHLORIDE		@	
ASC		@	
	110	55 @ 2.97	163. ³⁵
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	236.26	@ 2.48	585. ⁹²
MILEAGE	9.86 x 32 x	2.60	820. ⁸⁰
			TOTAL 4,942. ⁷²

EQUIPMENT
 PUMP TRUCK CEMENTER Josh Keas
 # 366 HELPER Ben Maxwell
 BULK TRUCK
 # 3044-170 DRIVER Kumar Hemlous
 BULK TRUCK
 # DRIVER

REMARKS:
 on location - Rig up - hauls stuff
 Run 4 1/2" drill pipe 2290 feet
 #1 - 2290 ft - 2530
 #2 - 1385 - 100 BH - 30
 #3 - 325 - 40 BH - 15
 #4 - 40 - 10
 Rig down - Rig down

CHARGE TO: Cobalt
 STREET
 CITY STATE ZIP

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE	2,483. ⁵⁹		
EXTRA FOOTAGE	@		
MILEAGE	4000 32 @ 7.70	246. ⁴⁰	
MANIFOLD	@		
	4000 32 @ 4.40	140. ⁸⁰	
	@		
			TOTAL 2,870. ⁷⁹

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
			TOTAL

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 Kelly Wilson
 SIGNATURE P Kelly Wilson
Thank you!

SALES TAX (If Any)
 TOTAL CHARGES 7,813.²¹
 DISCOUNT 1,718.⁹⁰ IF PAID IN 30 DAYS
6,094.³⁰