

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)</i> <i>(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	Cobalt Energy LLC
Well Name	DAWSON TRUST "A" 1-11
Doc ID	1362492

All Electric Logs Run

Dual Induction
Neutron-Density
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	DAWSON TRUST "A" 1-11
Doc ID	1362492

Tops

Name	Top	Datum
Anhy	2697	717
Stotler	3717	-303
Heebner	4072	-658
Lansing	4130	-716
Muncie Creek	4303	-889
Stark	4390	-976
BKC	4476	-1062
Altamont	4521	-1107
Pawnee	4596	-1182
Cherokee	4689	-1275
Morrow	4824	-1410
Miss	4920	-1506



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

115 S Belmont #12
Wichita, KS 67208

ATTN: Tim Lauer

Dawson Trust A #1-11

11-14s-37w Logan,KS

Start Date: 2017.07.11 @ 11:39:12

End Date: 2017.07.11 @ 19:33:42

Job Ticket #: 63853 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.07.17 @ 10:53:54



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC
 115 S Belmont #12
 Wichita, KS 67208
 ATTN: Tim Lauer

11-14s-37w Logan, KS
Dawson Trust A #1-11
 Job Ticket: 63853 **DST#: 1**
 Test Start: 2017.07.11 @ 11:39:12

GENERAL INFORMATION:

Formation: **Toronto - LKC A**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:46:42
 Time Test Ended: 19:33:42
 Interval: **4072.00 ft (KB) To 4141.00 ft (KB) (TVD)**
 Total Depth: 4141.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3414.00 ft (KB)
 3408.00 ft (CF)
 KB to GR/CF: 6.00 ft

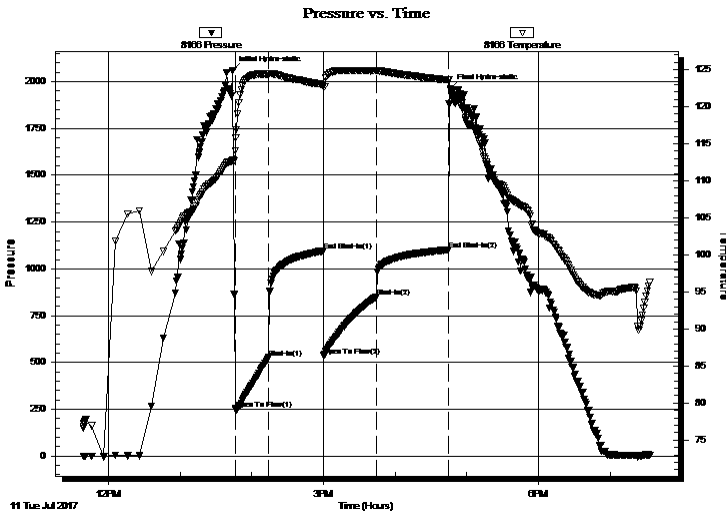
Serial #: 8166

Outside

Press@RunDepth: 849.35 psig @ 4073.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.07.11 End Date: 2017.07.11 Last Calib.: 2017.07.11
 Start Time: 11:39:17 End Time: 19:33:41 Time On Btm: 2017.07.11 @ 13:44:12
 Time Off Btm: 2017.07.11 @ 16:46:12

TEST COMMENT: IFP - BOB in 2 min.
 ISI - No return.
 FFP - BOB in 3 min.
 FSI - No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2060.10	112.80	Initial Hydro-static
3	249.24	115.83	Open To Flow (1)
30	525.08	124.42	Shut-In(1)
76	1096.18	123.00	End Shut-In(1)
76	536.53	122.73	Open To Flow (2)
120	849.35	124.84	Shut-In(2)
181	1101.05	123.62	End Shut-In(2)
182	1962.71	122.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1302.00	water 100%w	18.26
310.00	mcw 90%w 10%m	4.35
325.00	mcw 60%w 40%m	4.56

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

11-14s-37w Logan,KS

115 S Belmont #12
Wichita, KS 67208

Dawson Trust A #1-11

Job Ticket: 63853

DST#: 1

ATTN: Tim Lauer

Test Start: 2017.07.11 @ 11:39:12

Tool Information

Drill Pipe:	Length: 4063.00 ft	Diameter: 3.80 inches	Volume: 56.99 bbl	Tool Weight: 1500.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 56.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4072.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	89.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4053.00	
Shut In Tool	5.00			4058.00	
Hydraulic tool	5.00			4063.00	
Packer	5.00			4068.00	20.00 Bottom Of Top Packer
Packer	4.00			4072.00	
Stubb	1.00			4073.00	
Recorder	0.00	8875	Inside	4073.00	
Recorder	0.00	8166	Outside	4073.00	
Perforations	29.00			4102.00	
Change Over Sub	1.00			4103.00	
Drill Pipe	32.00			4135.00	
Change Over Sub	1.00			4136.00	
Bullnose	5.00			4141.00	69.00 Bottom Packers & Anchor

Total Tool Length: 89.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

11-14s-37w Logan,KS

115 S Belmont #12
Wichita, KS 67208

Dawson Trust A #1-11

Job Ticket: 63853

DST#: 1

ATTN: Tim Lauer

Test Start: 2017.07.11 @ 11:39:12

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:

28000 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1302.00	water 100%w	18.264
310.00	mcw 90%w 10%m	4.348
325.00	mcw 60%w 40%m	4.559

Total Length: 1937.00 ft Total Volume: 27.171 bbl

Num Fluid Samples: 0

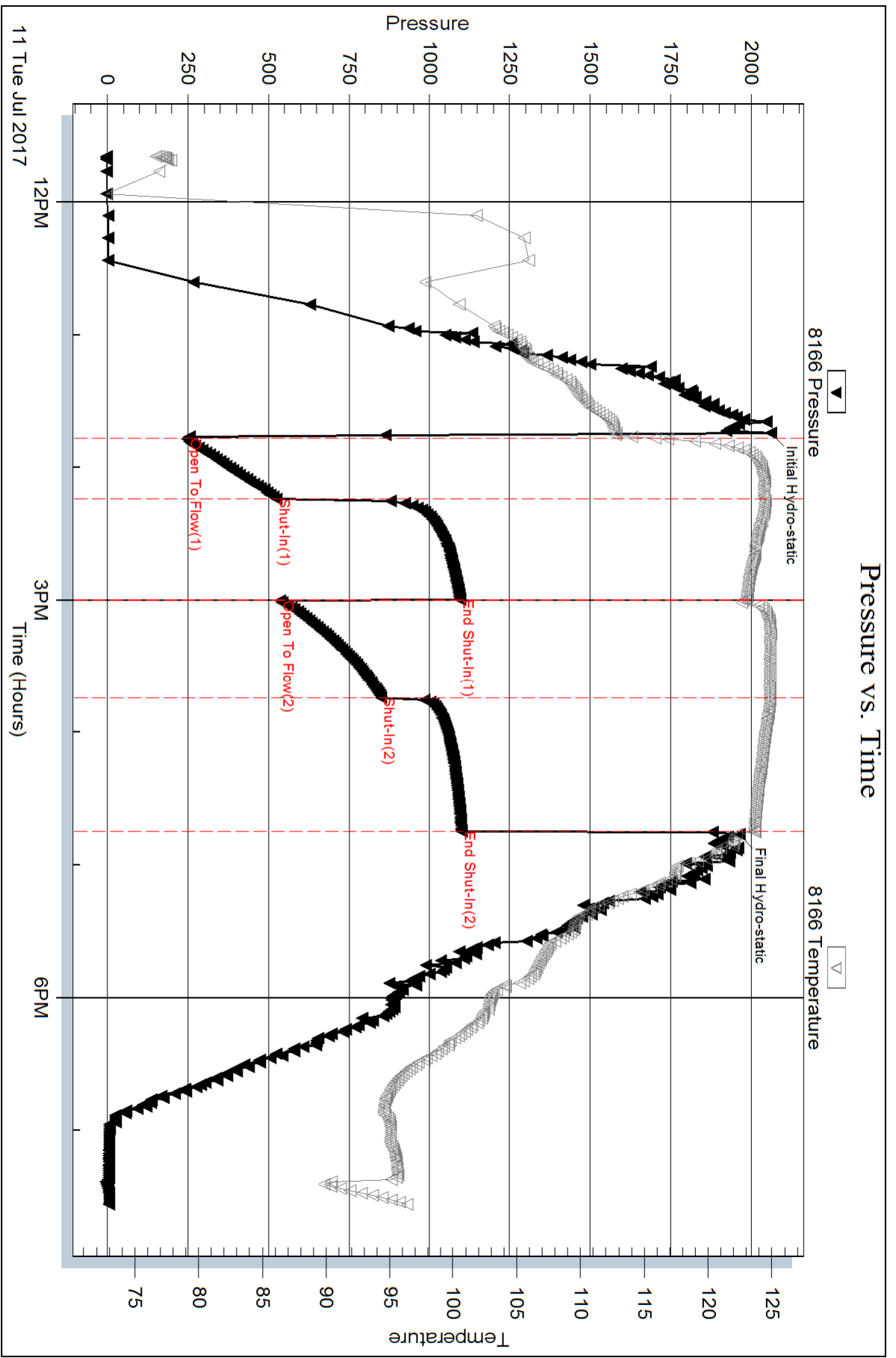
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .16@105=28000



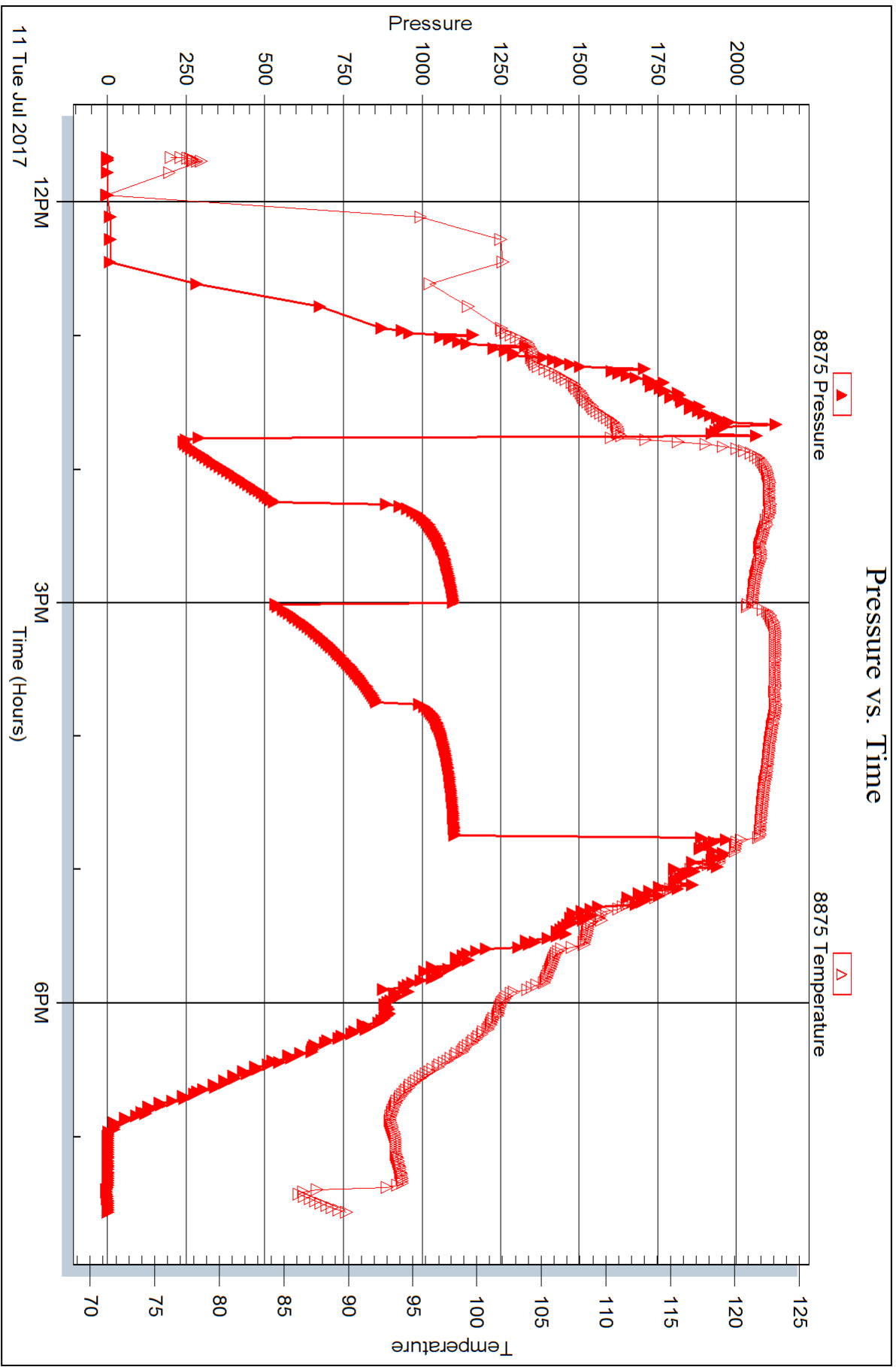
Serial #: 8875

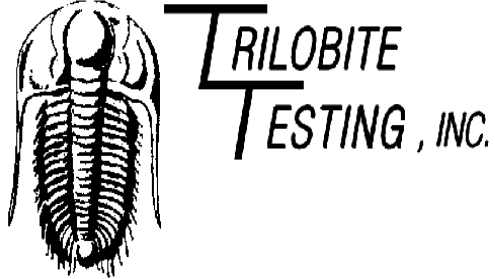
Inside

Cobalt Energy LLC

Dawson Trust A #1-11

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

115 S Belmont #12
Wichita, KS 67208

ATTN: Tim Lauer

Dawson Trust A #1-11

11-14s-37w Logan,KS

Start Date: 2017.07.12 @ 14:55:33

End Date: 2017.07.12 @ 21:47:33

Job Ticket #: 63854 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.07.17 @ 10:52:48



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC
 115 S Belmont #12
 Wichita, KS 67208
 ATTN: Tim Lauer

11-14s-37w Logan, KS
Dawson Trust A #1-11
 Job Ticket: 63854 **DST#: 2**
 Test Start: 2017.07.12 @ 14:55:33

GENERAL INFORMATION:

Formation: **LKC C-G**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 16:32:03 Tester: Brandon Turley
 Time Test Ended: 21:47:33 Unit No: 79
 Interval: **4141.00 ft (KB) To 4278.00 ft (KB) (TVD)** Reference Elevations: 3414.00 ft (KB)
 Total Depth: 4278.00 ft (KB) (TVD) 3408.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 6.00 ft

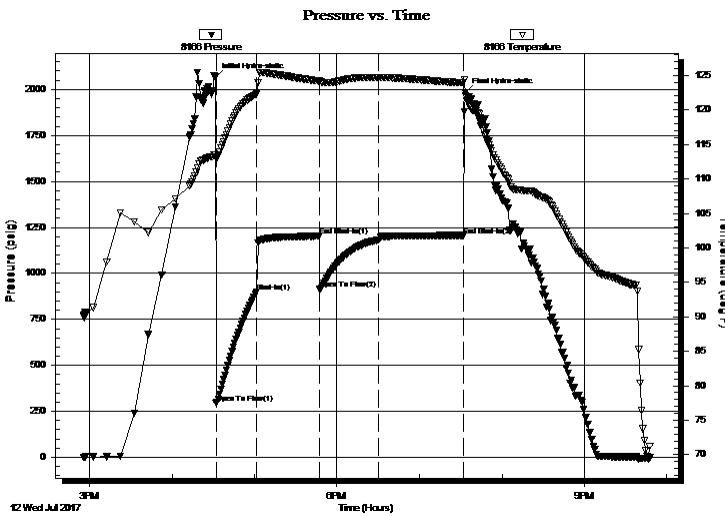
Serial #: 8166

Outside

Press@RunDepth: 1183.10 psig @ 4142.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.07.12 End Date: 2017.07.12 Last Calib.: 2017.07.12
 Start Time: 14:55:38 End Time: 21:47:32 Time On Btm: 2017.07.12 @ 16:31:33
 Time Off Btm: 2017.07.12 @ 19:33:33

TEST COMMENT: IF: BOB in 1 min.
 IS: No return.
 FF: BOB in 2 min.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2066.65	113.55	Initial Hydro-static
1	295.20	113.09	Open To Flow (1)
30	900.69	122.30	Shut-In(1)
76	1202.57	124.17	End Shut-In(1)
76	912.77	124.06	Open To Flow (2)
119	1183.10	124.71	Shut-In(2)
181	1206.60	123.91	End Shut-In(2)
182	1983.63	122.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1488.00	water 100%w	20.87
310.00	mcw 90%w 10%m	4.35
310.00	mcw 50%w 50%m	4.35
434.00	w cm 40%w 60%m	6.09

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

11-14s-37w Logan,KS

115 S Belmont #12
Wichita, KS 67208

Dawson Trust A #1-11

Job Ticket: 63854

DST#: 2

ATTN: Tim Lauer

Test Start: 2017.07.12 @ 14:55:33

Tool Information

Drill Pipe:	Length: 4126.00 ft	Diameter: 3.80 inches	Volume: 57.88 bbl	Tool Weight: 1500.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4141.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	137.00 ft			
Tool Length:	157.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4122.00	
Shut In Tool	5.00			4127.00	
Hydraulic tool	5.00			4132.00	
Packer	5.00			4137.00	20.00 Bottom Of Top Packer
Packer	4.00			4141.00	
Stubb	1.00			4142.00	
Recorder	0.00	8875	Inside	4142.00	
Recorder	0.00	8166	Outside	4142.00	
Perforations	4.00			4146.00	
Change Over Sub	1.00			4147.00	
Drill Pipe	125.00			4272.00	
Change Over Sub	1.00			4273.00	
Bullnose	5.00			4278.00	137.00 Bottom Packers & Anchor

Total Tool Length: 157.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

11-14s-37w Logan,KS

115 S Belmont #12
Wichita, KS 67208

Dawson Trust A #1-11

Job Ticket: 63854

DST#: 2

ATTN: Tim Lauer

Test Start: 2017.07.12 @ 14:55:33

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:

27000 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1488.00	water 100%w	20.873
310.00	mcw 90%w 10%m	4.348
310.00	mcw 50%w 50%m	4.348
434.00	w cm 40%w 60%m	6.088

Total Length: 2542.00 ft Total Volume: 35.657 bbl

Num Fluid Samples: 0

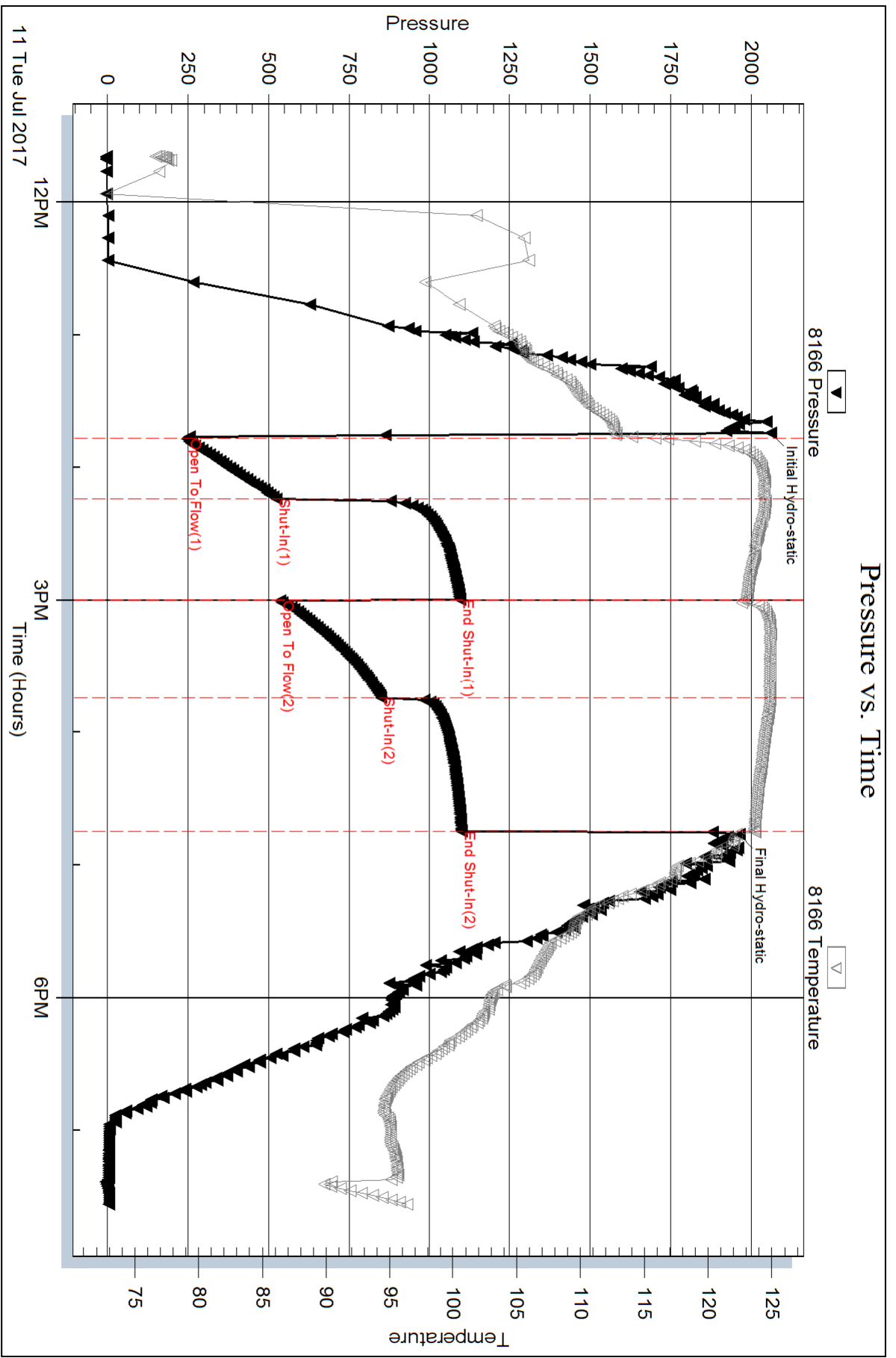
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .22@85=27000



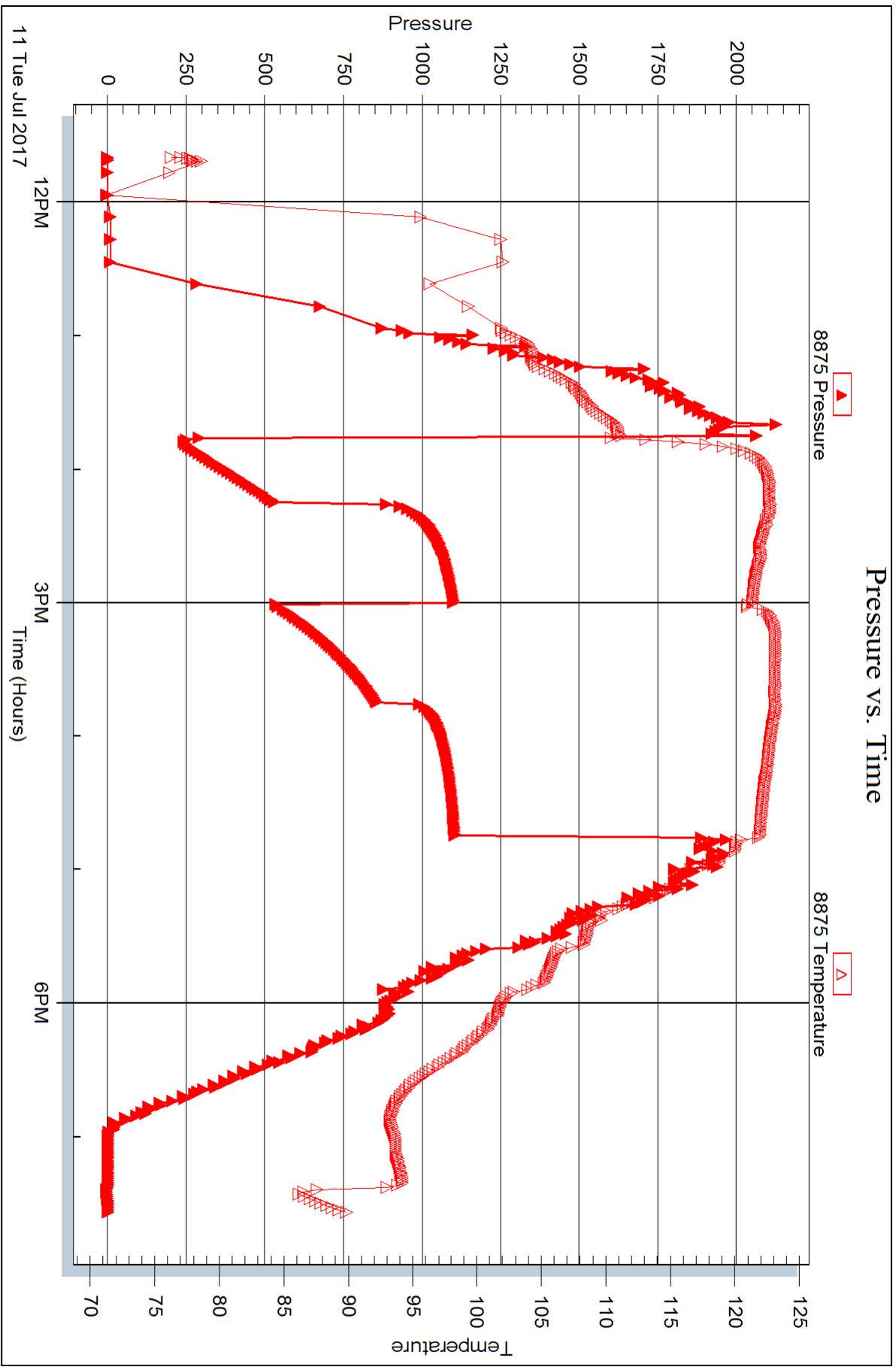
Serial #: 8875

Inside

Cobalt Energy LLC

Dawson Trust A #1-11

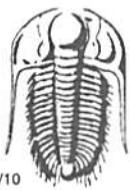
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 63854

Printed: 2017.07.17 @ 10:52:49



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63853**

Well Name & No. Dawson Trust A 1-11 Test No. 1 Date 7-11-10
 Company Cobalt Energy LLC Elevation 3425 ³⁴¹⁹ KB 3407 ³⁴⁰⁸ GL
 Address 115 S Belmont #12 Wichita, KS 67208
 Co. Rep / Geo. Tim Lauer Rig Pickrell #10
 Location: Sec. 11 Twp. 14 Rge. 39 Co. Logan State KS

Interval Tested 4072 4141 Zone Tested Toronto - Lansing A
 Anchor Length 69 Drill Pipe Run 4063 Mud Wt. 9.0
 Top Packer Depth 4067 Drill Collars Run — Vis 68
 Bottom Packer Depth 4072 Wt. Pipe Run — WL 8.8
 Total Depth 4141 Chlorides 5000 ppm System LCM 2
 Blow Description BOB in 2 min.
No return.
BOB in 3 min.
No return.

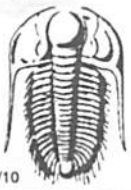
Rec	Feet of	%gas	%oil	%water	%mud
<u>325</u>	<u>mcw</u>		<u>60</u>	<u>40</u>	
<u>310</u>	<u>mcw</u>		<u>90</u>	<u>10</u>	
<u>1302</u>	<u>water</u>		<u>100</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1937 BHT 123 Gravity — API RW .16 @ 105° F Chlorides 28,000 ppm

(A) Initial Hydrostatic <u>2060</u> <input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>9:40</u>
(B) First Initial Flow <u>249</u> <input type="checkbox"/> Jars	T-Started <u>11:39</u>
(C) First Final Flow <u>525</u> <input type="checkbox"/> Safety Joint	T-Open <u>13:45</u>
(D) Initial Shut-In <u>1096</u> <input checked="" type="checkbox"/> Circ Sub <u>NLC</u>	T-Pulled <u>16:45</u>
(E) Second Initial Flow <u>536</u> <input type="checkbox"/> Hourly Standby	T-Out <u>19:38</u>
(F) Second Final Flow <u>849</u> <input checked="" type="checkbox"/> Mileage <u>112</u> <u>84</u>	Comments
(G) Final Shut-In <u>1101</u> <input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>1962</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>45</u> <input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>45</u> <input type="checkbox"/> Extra Recorder	Total <u>1234</u>
Final Shut-In <u>60</u> <input type="checkbox"/> Day Standby	MP/DST Disc't
<input type="checkbox"/> Accessibility	

Approved By Tim J. Lauer Our Representative Tim J. Lauer
 Sub Total 1234

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. **63854**

Well Name & No. Dawson Trust A 1-11 Test No. 2 Date 7-12-17
 Company Cobalt Energy Elevation 3414 KB 3408 GL
 Address _____
 Co. Rep / Geo. Tim Lauer Rig Pickrell #10
 Location: Sec. 11 Twp. 14 Rge. 37 Co. Logan State KS

Interval Tested 4141 4278 Zone Tested Lansing C-G
 Anchor Length _____ 137 Drill Pipe Run 4126 Mud Wt. 9.0
 Top Packer Depth _____ 4136 Drill Collars Run _____ Vis 66
 Bottom Packer Depth _____ 4141 Wt. Pipe Run _____ WL 8.0
 Total Depth _____ 4278 Chlorides 6000 ppm System LCM 2
 Blow Description BoB in 1 min.
No return.
BoB in 2 min.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>434</u>	<u>wcm</u>		<u>40</u>	<u>60</u>	
<u>310</u>	<u>mcw</u>		<u>56</u>	<u>50</u>	
<u>310</u>	<u>mcw</u>		<u>90</u>	<u>10</u>	
<u>1488</u>	<u>water</u>		<u>100</u>		
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 2542 BHT 123 Gravity _____ API RW .22 @ 85 ° F Chlorides 27,000 ppm

(A) Initial Hydrostatic 2066 Test 1150 T-On Location 14:45
 (B) First Initial Flow 295 Jars _____ T-Started 14:55
 (C) First Final Flow 900 Safety Joint _____ T-Open 16:30
 (D) Initial Shut-In 1202 Circ Sub NIC T-Pulled 19:30
 (E) Second Initial Flow 912 Hourly Standby _____ T-Out 21:48
 (F) Second Final Flow 1183 Mileage 112 168 Comments loaded 7-15-17
 (G) Final Shut-In 1206 Sampler _____ 13:30
 (H) Final Hydrostatic 1983 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Sub Total 1600
 Total 2918
 MP/DST Disc't _____

Approved By Tim J. Lauer Our Representative _____
 Sub Total 1318

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.

GLOBAL OIL FIELD SERVICES, LLC

3007

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>7-5-17</u>	SEC. <u>11</u>	TWP. <u>14S</u>	RANGE <u>37W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Dawson Turn</u> WELL# <u>1-11</u> LOCATION <u>Russell Springs, KS</u>						COUNTY <u>LOGAN</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR PICKRELL DRILLING RIG #10

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. 223'

CASING SIZE 8 5/8 DEPTH 202.95

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT 42.20'

CEMENT LEFT IN CSG. 20'

PERFS

DISPLACEMENT 1 1/2 BBL

EQUIPMENT

PUMP TRUCK CEMENTER Brian

417 HELPER JASON

BULK TRUCK

411 DRIVER

BULK TRUCK

DRIVER

OWNER

CEMENT AMOUNT ORDERED 1505x 60/40 POC 3% CL 2% GEL

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

RUN IN 5 JTS 8" ACASING CIRCULATE MUD,
MIX 1505X WASH UP 4 DISPLAC 1 1/2 BBL 120,
SHUT IN @ 200 PSI, CEMENT DID CIRCULATE

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

CHARGE TO: COBALT ENERGY

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

Global Oil Field 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 MIKA KERR

SIGNATURE [Signature]

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

GLOBAL OIL FIELD SERVICES, LLC

3032

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>7-15-17</u>	SEC. <u>11</u>	TWP. <u>14 S</u>	RANGE <u>31 W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Dawson Trust</u> WELL # <u>A</u> LOCATION						COUNTY <u>Logan</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR Pinnacle Drilling Rig # 10

TYPE OF JOB Day time Plug

HOLE SIZE 7 7/8 T.D. 5030'

CASING SIZE _____ DEPTH 2710'

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2" X 11' DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS _____

DISPLACEMENT _____

EQUIPMENT

PUMP TRUCK CEMENTER Ben

409 HELPER Cozy

BULK TRUCK DRIVER Tom

473 DRIVER _____

BULK TRUCK DRIVER _____

_____ DRIVER _____

OWNER _____

CEMENT AMOUNT ORDERED 2405x 60/40 P02 4/40 50x 1/11 600

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

<u>1st</u>	<u>2710'</u>	<u>505x</u>
<u>2nd</u>	<u>1560'</u>	<u>1005x</u>
<u>3rd</u>	<u>765'</u>	<u>505x</u>
<u>4th</u>	<u>40'</u>	<u>105x</u>
<u>RAI</u>		<u>305x</u>

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: CORALY ENERGY

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

Global Oil Field 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 Mike Kern

SIGNATURE Mike Kern

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS