

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
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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	Cobalt Energy LLC
Well Name	EVELYN "A" 1-27
Doc ID	1365337

All Electric Logs Run

Dual-Induction
Neutron Density
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	EVELYN "A" 1-27
Doc ID	1365337

Tops

Name	Top	Datum
Anhy	2151	403
Topeka	3347	-793
Heebner	3518	-964
Toronto	3547	-993
Lansing	3559	-1005
Stark	3714	-1160
BKC	3761	-1396
Arbuckle	3950	-1396

GEOLOGICAL REPORT

Larry A. Nicholson

NAD 83
33.75914949
-100.2286746

COMPANY & WELL Cobalt Energy, LLC Evelyn "A" #1-27

LOCATION 1361' FSL 2154' FWL SW SE NE SW

SEC 27 TWP 3S RGE 26W

COUNTY Decatur STATE Ks

COMPANY Cobalt Energy, LLC

API # 15-039-21239 FIELD Wildcat

LEASE Evelyn "A" WELL # #1-27

LOCATION SW SE NE SW

SURVEY 1361' FSL 2154' FWL

SECTION 27 TWP 3S RGE 26W

COUNTY Decatur STATE Kansas

CONTRACTOR Murfin Rig # Z

SPUD 06-14-17 04:45 COMP. RTD

RTD 4010 06-20-17 01:15 pm LTD. 4012

MUD UP AT 2940

MUD TYPE MudCo Gary Schmittberger

SAMPLES SAVED FROM 3300 TO RTD

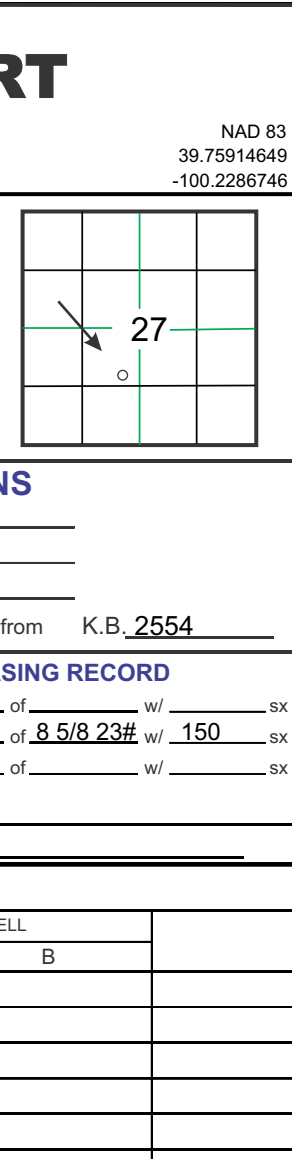
DRILLING TIME FROM 3300 TO RTD

SAMPLES EXAMINED FROM 3300 TO RTD

GEOLOGICAL SUPERVISION FROM 3300 TO RTD

WELLSITE GEOLOGIST LARRY A. NICHOLSON

ELECTRICAL SURVEYS Haliburton Neu, Dan, Dual, Micro, Dev



ELEVATIONS

K.B. 2554

D.F. _____

G.L. 2549

All measurements from K.B. 2554

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELECLOG TOPS	SUBSEA DATUM	REFERENCE WELL A	REFERENCE WELL B
Stone C	2147	+407	2147	+407	2123	412 -5
B/Stone C	2182	+372	2182	+372	2155	380 -8
Topeka	3351	-797	3347	-793	3319	-784 -9
Heebner	3520	-966	3518	-964	3490	-955 -9
Tomto	3547	-996	3548	-994	3519	-984 -10
LANS A	3563	-1035	3558	-1004	3531	-996 -9
POLLNOW	3589	-1035	3587	-1033	3559	-1024 -14
Stark Sh	3714	-1160	3714	-1160	3682	-1147 -13
BKC	3761	-1207	3761	-1207	3729	-1194 -13
Arbuckle	3953	-1399	3952	-1398	3930	-1395 -3
RTD	4010	-1456	4010	-1456	4000	-1465 -3
LTD			4012	-1458	4002	-1467

REFERENCE WELLS A: Cobalt Energy, LLC Ritter "A" #1-32 Sec 32 T3S R26W 33S' FNL 1200 FWL KB 2636

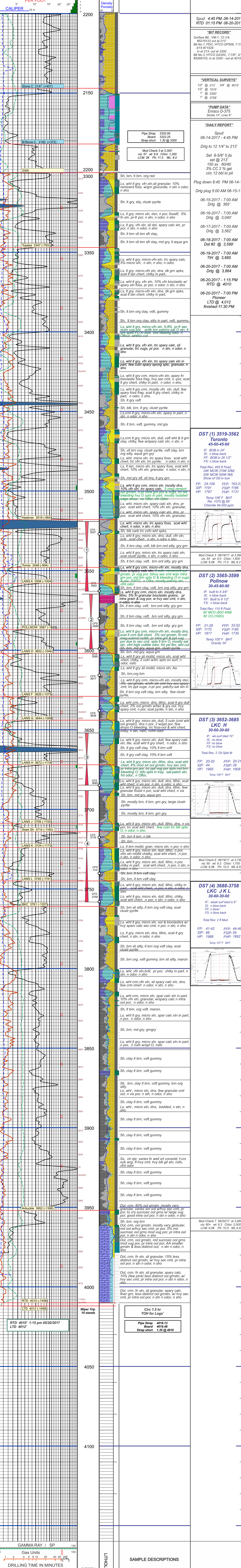
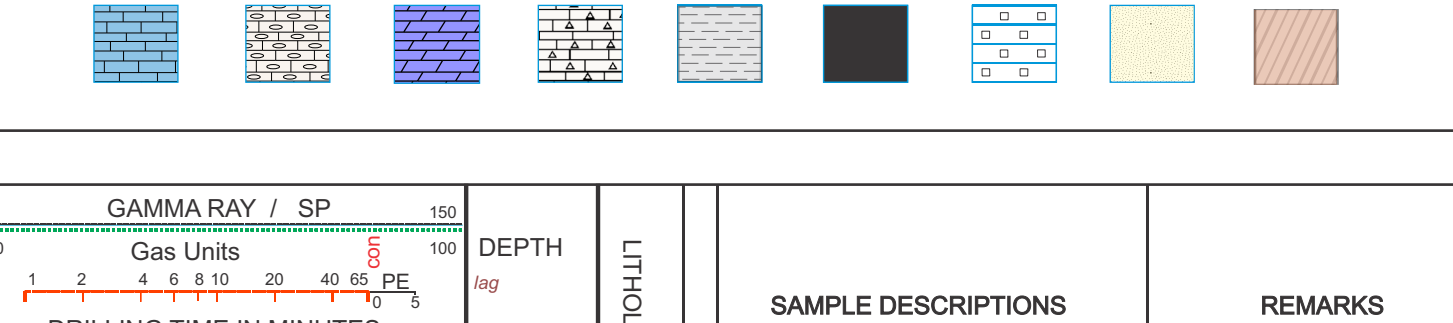
B: _____

REMARKS & RECOMMENDATIONS:

Based on sample shows, dst recovery & pressures, 5 1/2" csq was run

LAN 7/92, Modified 5/05, 1/11, 4/12 Hanover, KS 66945 1inch = 25.4mm 8.5 x 97.5 216 mm x 2460 mm

LEGEND



COMPANY Cobalt Energy, LLC

LEASE Evelyn "A" #1-27 SW SE NE SW

LOCATION 1361' FSL 2154' FWL SEC 27 TWP 3S RGE 26W

COUNTY Decatur STATE Ks

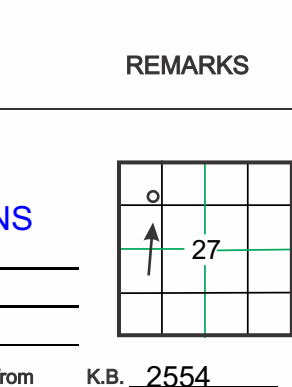
ELEVATIONS

K.B. 2554

D.F. _____

G.L. 2549

All measurements from K.B. 2554





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Larry Nicholson

Evelyn A #1-27

27-3s-26w Decatur,KS

Start Date: 2017.06.17 @ 10:31:00

End Date: 2017.06.17 @ 18:40:00

Job Ticket #: 64033 DST #: 1

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

Printed: 2017.06.20 @ 15:33:48



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

27-3s-26w Decatur, KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64033

DST#: 1

ATTN: Larry Nicholson

Test Start: 2017.06.17 @ 10:31:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:34:00

Time Test Ended: 18:40:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: 3519.00 ft (KB) To 3562.00 ft (KB) (TVD)

Reference Elevations: 2559.00 ft (KB)

Total Depth: 3562.00 ft (KB) (TVD)

2554.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8372 Outside

Press@RunDepth: 236.32 psig @ 3523.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.17

End Date:

2017.06.17

Last Calib.:

2017.06.17

Start Time: 10:31:01

End Time:

18:40:00

Time On Btm:

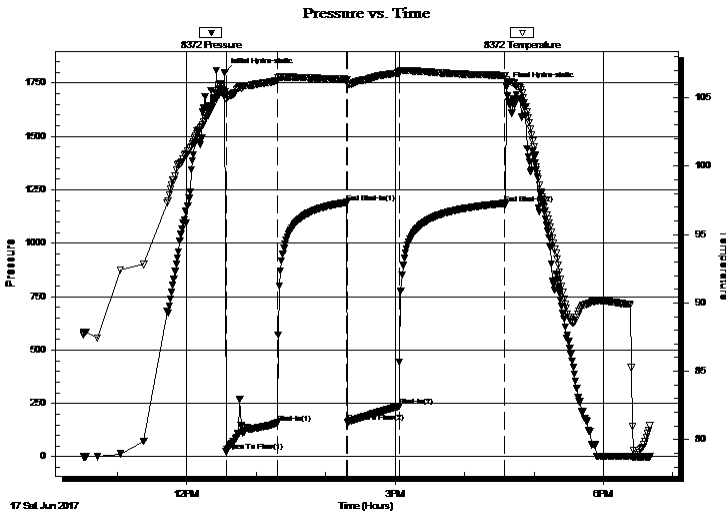
2017.06.17 @ 12:33:00

Time Off Btm:

2017.06.17 @ 16:36:00

TEST COMMENT: 45-IFP- BOB in 24 min.
60-ISIP- No Blow
45-FFP- BOB in 26 1/2min.
90-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1797.99	105.41	Initial Hydro-static
1	24.09	104.89	Open To Flow (1)
46	159.36	106.28	Shut-In(1)
106	1191.09	106.35	End Shut-In(1)
106	163.19	106.01	Open To Flow (2)
151	236.32	106.82	Shut-In(2)
242	1186.33	106.62	End Shut-In(2)
243	1731.13	106.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
247.00	MCW 30% m 70% w	1.80
208.00	MCW 5% m 95% w	2.92
0.00	Show of Oil in Tool	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC

27-3s-26w Decatur, KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

ATTN: Larry Nicholson

Job Ticket: 64033

DST#: 1

Test Start: 2017.06.17 @ 10:31:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:34:00

Time Test Ended: 18:40:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: 3519.00 ft (KB) To 3562.00 ft (KB) (TVD)

Reference Elevations: 2559.00 ft (KB)

Total Depth: 3562.00 ft (KB) (TVD)

2554.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6668 Inside

Press@RunDepth: psig @ 3523.00 ft (KB)

Start Date: 2017.06.17

End Date:

2017.06.17

Capacity: 8000.00 psig

Last Calib.:

2017.06.17

Start Time: 10:31:01

End Time:

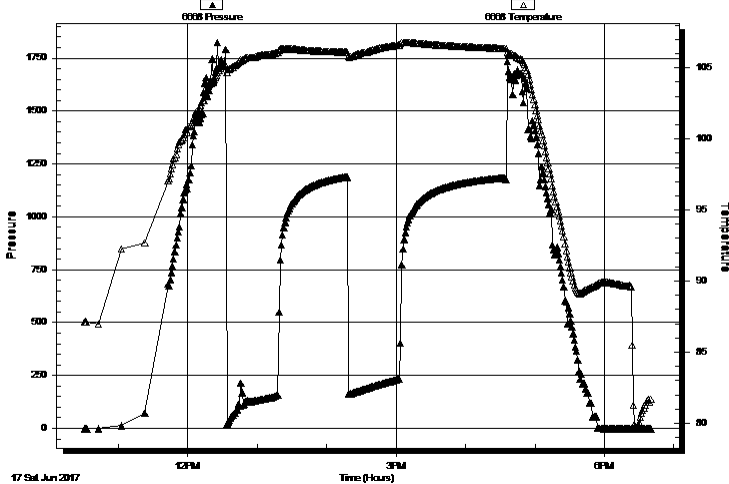
18:40:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 45-IFP- BOB in 24 min.
60-ISIP- No Blow
45-FFP- BOB in 26 1/2min.
90-FSIP- No Blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
247.00	MCW 30% m 70% w	1.80
208.00	MCW 5% m 95% w	2.92
0.00	Show of Oil in Tool	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

27-3s-26w Decatur,KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64033

DST#: 1

ATTN: Larry Nicholson

Test Start: 2017.06.17 @ 10:31:00

Tool Information

Drill Pipe:	Length: 3327.00 ft	Diameter: 3.80 inches	Volume: 46.67 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 47.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3519.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	73.00 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			3490.00	
Shut In Tool	5.00			3495.00	
Sampler	2.00			3497.00	
Hydraulic tool	5.00			3502.00	
Jars	5.00			3507.00	
Safety Joint	2.00			3509.00	
Packer	5.00			3514.00	30.00 Bottom Of Top Packer
Packer	5.00			3519.00	
Stubb	1.00			3520.00	
Perforations	2.00			3522.00	
Change Over Sub	1.00			3523.00	
Recorder	0.00	6668	Inside	3523.00	
Recorder	0.00	8372	Outside	3523.00	
Blank Spacing	31.00			3554.00	
Change Over Sub	1.00			3555.00	
Perforations	4.00			3559.00	
Bullnose	3.00			3562.00	43.00 Bottom Packers & Anchor
Total Tool Length:	73.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

27-3s-26w Decatur,KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64033

DST#: 1

ATTN: Larry Nicholson

Test Start: 2017.06.17 @ 10:31:00

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:

94000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 6.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
247.00	MCW 30%m 70%w	1.798
208.00	MCW 5%m 95%w	2.918
0.00	Show of Oil in Tool	0.000

Total Length: 455.00 ft Total Volume: 4.716 bbl

Num Fluid Samples: 0

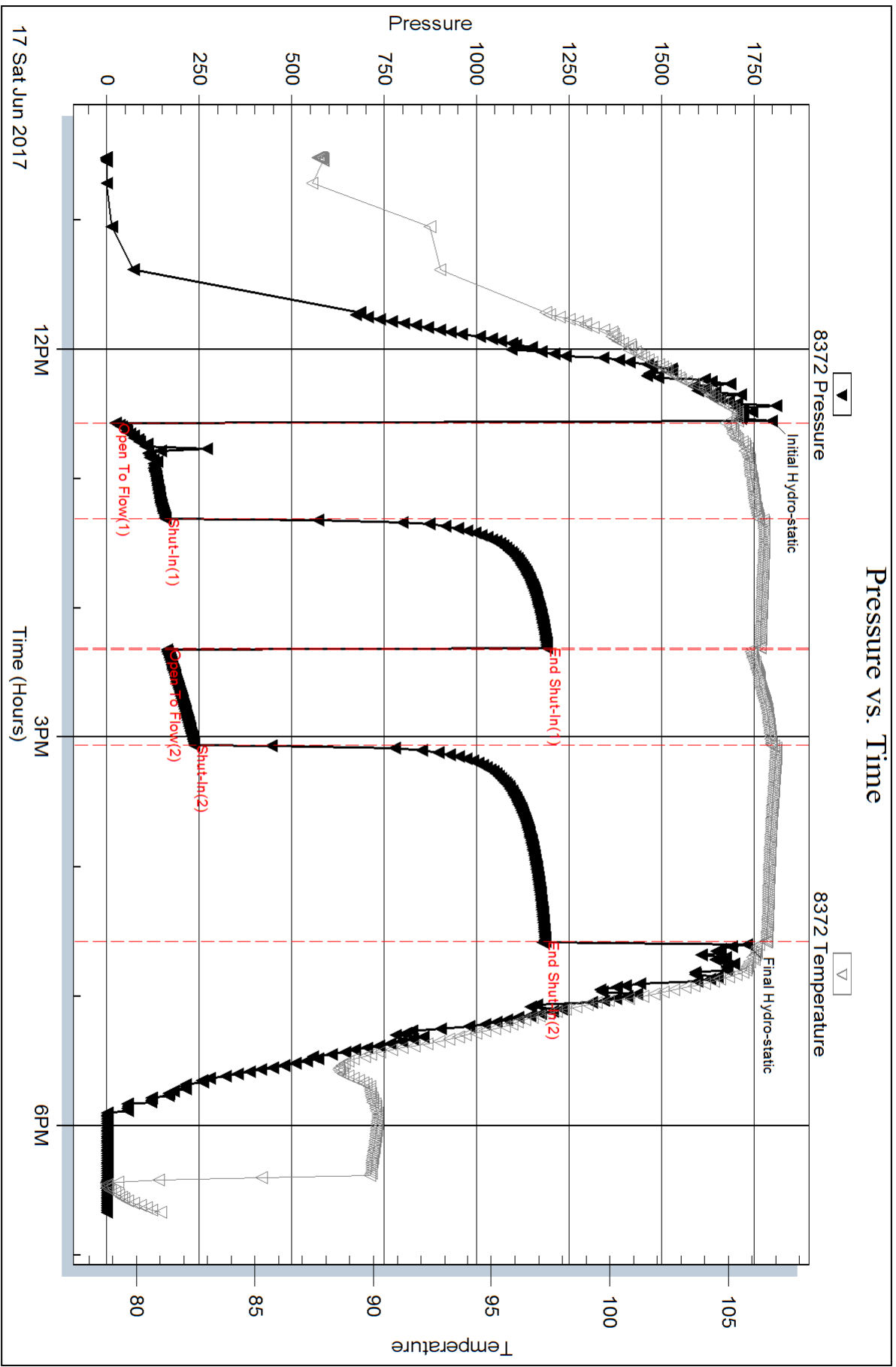
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .070 @ 85



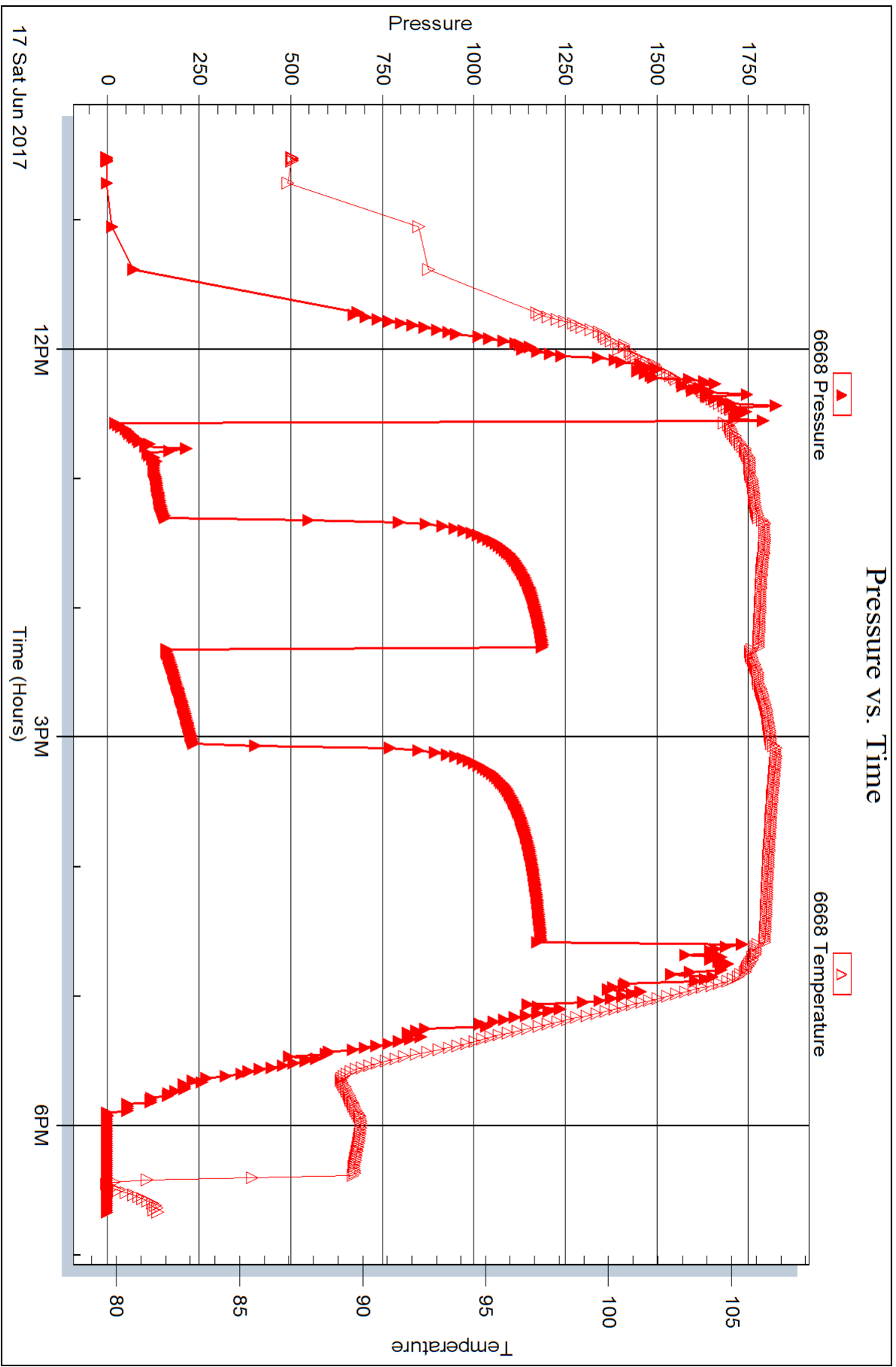
Serial #: 6668

Inside

Cobalt Energy LLC

Evelyn A #1-27

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64033

Printed: 2017.06.20 @ 15:33:49



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Larry Nicholson

Evelyn A #1-27

27-3s-26w Decatur,KS

Start Date: 2017.06.18 @ 03:21:00

End Date: 2017.06.18 @ 10:40:00

Job Ticket #: 64034 DST #: 2

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

Printed: 2017.06.20 @ 15:26:36

Cobalt Energy LLC
27-3s-26w Decatur,KS
Evelyn A #1-27
DST # 2
LKC " B "
2017.06.18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

27-3s-26w Decatur, KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64034

DST#: 2

ATTN: Larry Nicholson

Test Start: 2017.06.18 @ 03:21:00

GENERAL INFORMATION:

Formation: **LKC " B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:03:30

Time Test Ended: 10:40:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 3565.00 ft (KB) To 3599.00 ft (KB) (TVD)

Reference Elevations: 2559.00 ft (KB)

Total Depth: 3599.00 ft (KB) (TVD)

2554.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8372 Outside

Press@RunDepth: 52.95 psig @ 3566.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.18

End Date: 2017.06.18

Last Calib.: 2017.06.18

Start Time: 03:21:01

End Time: 10:40:00

Time On Btm: 2017.06.18 @ 05:03:00

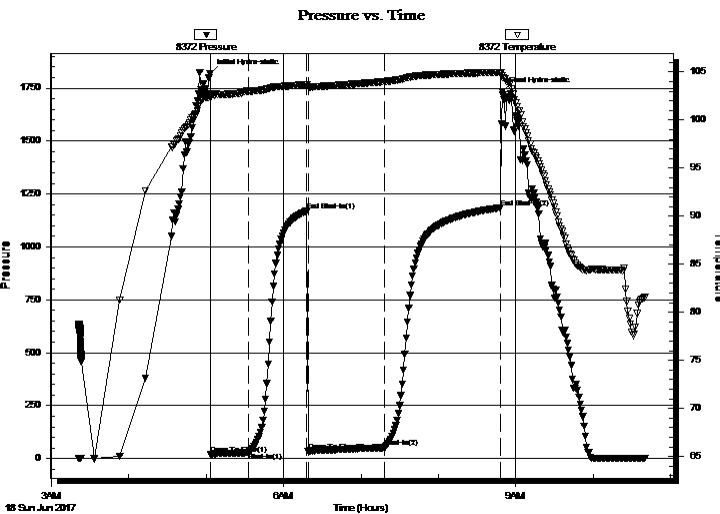
Time Off Btm: 2017.06.18 @ 08:49:30

TEST COMMENT: 30-IFP- Built to 4 3/4in. [1"-4] [2"-11] [3"-17] [4"-24]

45-ISIP- No Blow

60-FFP- Built to 8 1/2in. [1"-4] [2"-9] [3"-16] [4"-24] [5"-31] [6"-39] [7"-47] [8"-56"]

90-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1817.42	102.61	Initial Hydro-static
1	21.56	102.30	Open To Flow (1)
30	28.59	103.01	Shut-In(1)
75	1170.93	103.67	End Shut-In(1)
76	33.57	103.48	Open To Flow (2)
136	52.95	104.00	Shut-In(2)
225	1185.20	104.95	End Shut-In(2)
227	1735.33	104.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCO 40% m 60% o	0.30
50.00	CO 100%	0.25
0.00	160 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

27-3s-26w Decatur, KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64034

DST#: 2

ATTN: Larry Nicholson

Test Start: 2017.06.18 @ 03:21:00

GENERAL INFORMATION:

Formation: **LKC " B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:03:30

Time Test Ended: 10:40:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: **3565.00 ft (KB) To 3599.00 ft (KB) (TVD)**

Total Depth: 3599.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2559.00 ft (KB)

2554.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: psig @ 3566.00 ft (KB)

Start Date: 2017.06.18

End Date: 2017.06.18

Capacity: 8000.00 psig

Last Calib.: 2017.06.18

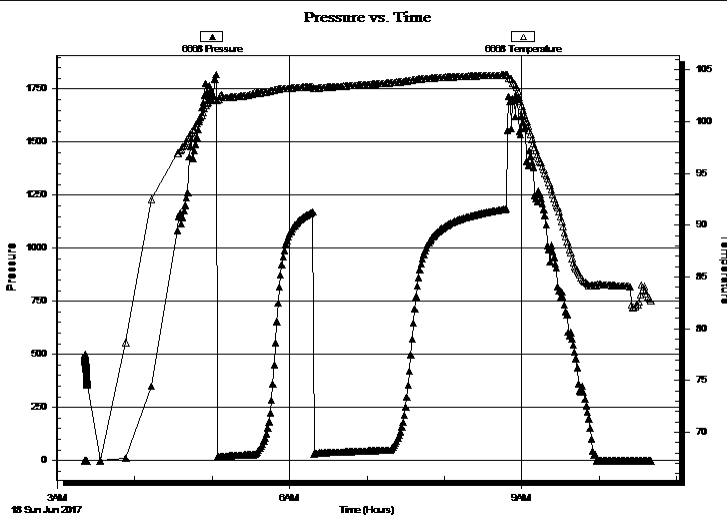
Start Time: 03:21:01

End Time: 10:40:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP- Built to 4 3/4in. [1"-4] [2"-11] [3"-17] [4"-24]
45-ISIP- No Blow
60-FFP- Built to 8 1/2in. [1"-4] [2"-9] [3"-16] [4"-24] [5"-31] [6"-39] [7"-47] [8"-56"]
90-FSIP- No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCO 40% m 60% o	0.30
50.00	CO 100%	0.25
0.00	160 GIP	0.00

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

27-3s-26w Decatur,KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64034

DST#: 2

ATTN: Larry Nicholson

Test Start: 2017.06.18 @ 03:21:00

Tool Information

Drill Pipe:	Length: 3359.00 ft	Diameter: 3.80 inches	Volume: 47.12 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 48.02 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3565.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	62.00 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			3538.00	
Shut In Tool	5.00			3543.00	
Hydraulic tool	5.00			3548.00	
Jars	5.00			3553.00	
Safety Joint	2.00			3555.00	
Packer	5.00			3560.00	28.00 Bottom Of Top Packer
Packer	5.00			3565.00	
Stubb	1.00			3566.00	
Recorder	0.00	6668	Inside	3566.00	
Recorder	0.00	8372	Outside	3566.00	
Perforations	30.00			3596.00	
Bullnose	3.00			3599.00	34.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

27-3s-26w Decatur,KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64034

DST#: 2

ATTN: Larry Nicholson

Test Start: 2017.06.18 @ 03:21:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 6.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	MCO 40% m 60% o	0.295
50.00	CO 100%	0.246
0.00	160 GIP	0.000

Total Length: 110.00 ft

Total Volume: 0.541 bbl

Num Fluid Samples: 0

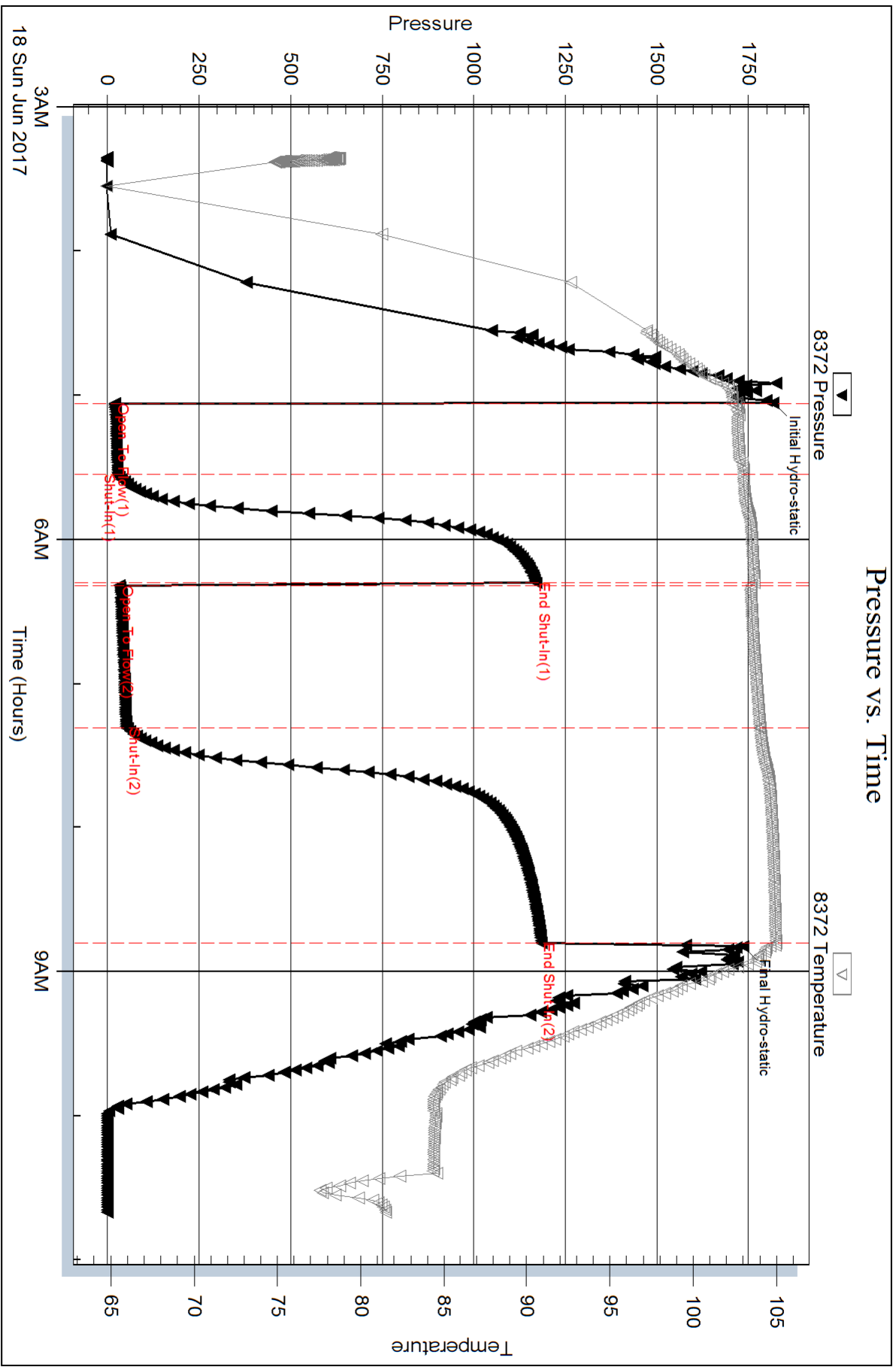
Num Gas Bombs: 0

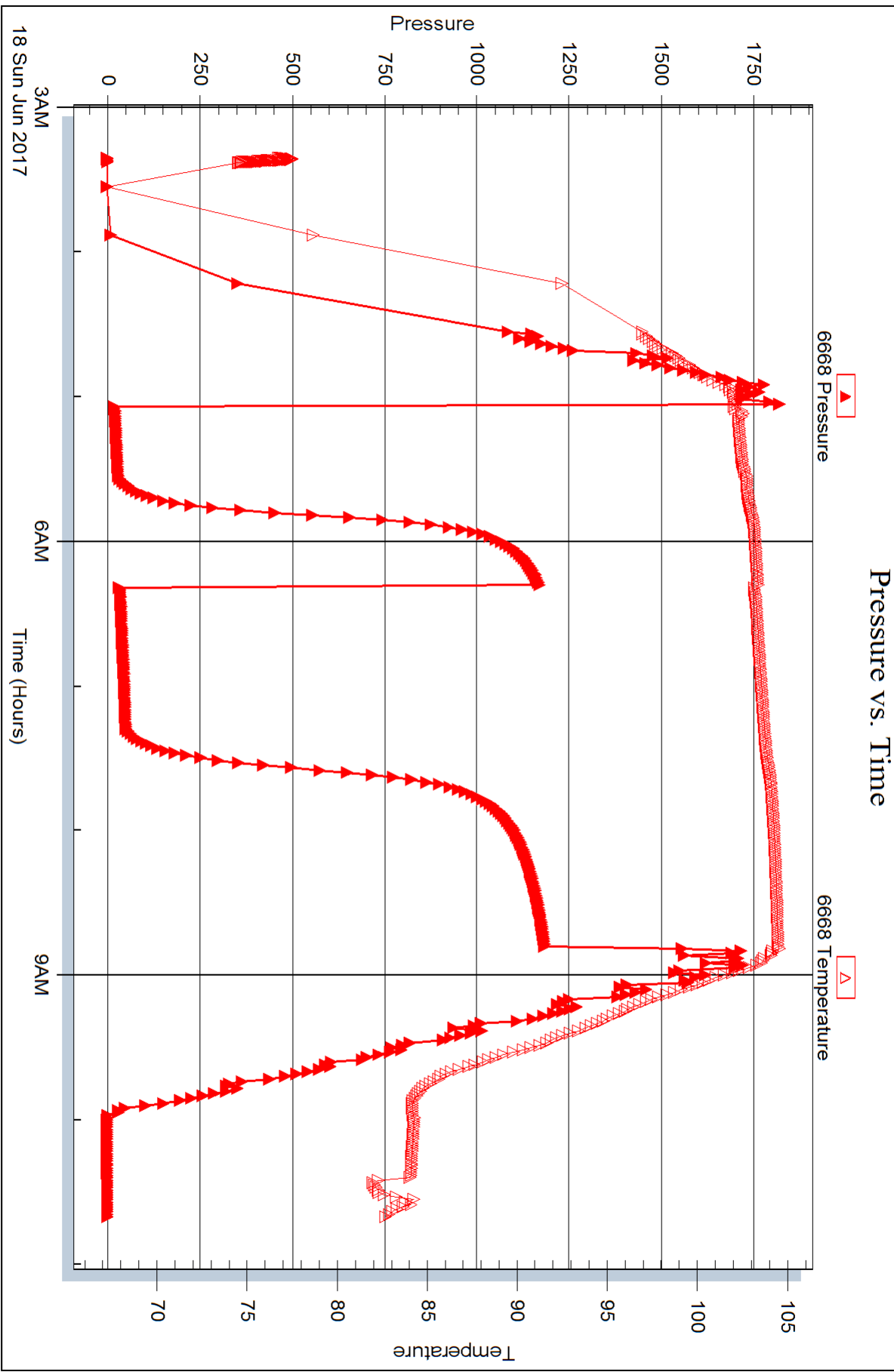
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Larry Nicholson

Evelyn A #1-27

27-3s-26w Decatur,KS

Start Date: 2017.06.18 @ 22:18:00

End Date: 2017.06.19 @ 05:08:00

Job Ticket #: 64035 DST #: 3

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

Printed: 2017.06.20 @ 14:54:29

Cobalt Energy LLC
27-3s-26w Decatur,KS
Evelyn A #1-27
DST # 3
LKC " H "
2017.06.18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

27-3s-26w Decatur, KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64035

DST#: 3

ATTN: Larry Nicholson

Test Start: 2017.06.18 @ 22:18:00

GENERAL INFORMATION:

Formation: **LKC " H "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:15:00

Time Test Ended: 05:08:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 3652.00 ft (KB) To 3685.00 ft (KB) (TVD)

Reference Elevations: 2559.00 ft (KB)

Total Depth: 3685.00 ft (KB) (TVD)

2554.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8372 Outside

Press@RunDepth: 21.44 psig @ 3653.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.18

End Date:

2017.06.19

Last Calib.:

2017.06.19

Start Time: 22:18:01

End Time:

05:07:30

Time On Btm:

2017.06.19 @ 00:14:30

Time Off Btm:

2017.06.19 @ 03:17:00

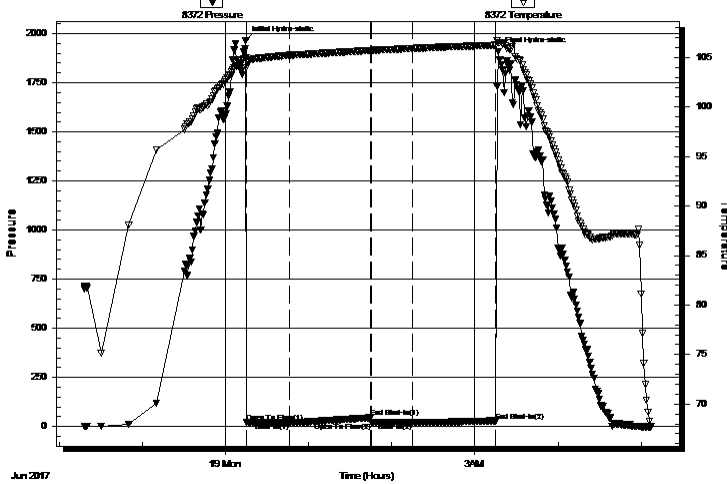
TEST COMMENT: 30-IFP- Weak Surface Blow Died in 10 min.

60-ISIP- No Blow

30-FFP- No Blow

60-FSIP- No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1965.19	104.99	Initial Hydro-static
1	20.75	103.96	Open To Flow (1)
32	20.01	105.24	Shut-In(1)
90	44.51	105.70	End Shut-In(1)
91	20.34	105.70	Open To Flow (2)
121	21.44	105.91	Shut-In(2)
181	28.57	106.25	End Shut-In(2)
183	1908.74	106.51	Final Hydro-static

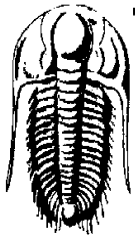
Recovery

Length (ft)	Description	Volume (bbl)
2.00	Oil Speck Mud 100%	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

27-3s-26w Decatur, KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64035

DST#: 3

ATTN: Larry Nicholson

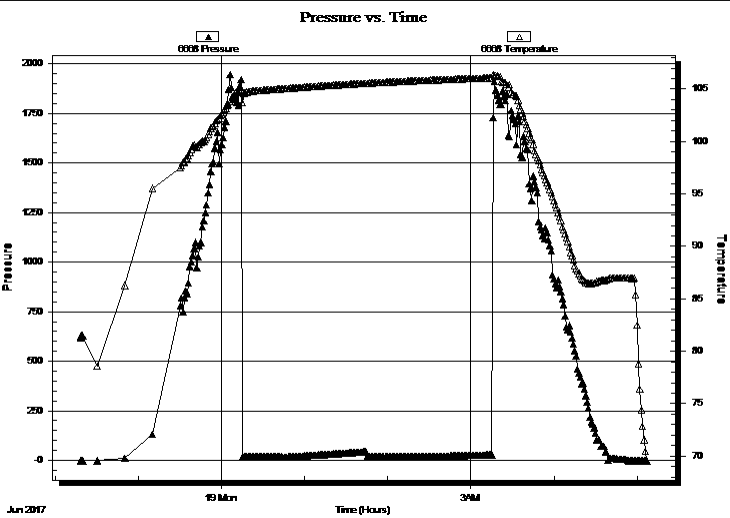
Test Start: 2017.06.18 @ 22:18:00

GENERAL INFORMATION:

Formation:	LKC "H"			
Deviated:	No Whipstock:	ft (KB)	Test Type:	Conventional Bottom Hole (Reset)
Time Tool Opened:	00:15:00		Tester:	Jim Svaty
Time Test Ended:	05:08:00		Unit No:	76
Interval:	3652.00 ft (KB) To 3685.00 ft (KB) (TVD)		Reference Elevations:	2559.00 ft (KB)
Total Depth:	3685.00 ft (KB) (TVD)			2554.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition: Fair	KB to GR/CF:	5.00 ft

Serial #: 6668	Inside			
Press@RunDepth:	psig @ 3653.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2017.06.18	End Date:	2017.06.19	Last Calib.:
Start Time:	22:18:01	End Time:	05:07:30	Time On Btm:
				Time Off Btm:

TEST COMMENT: 30-IFP- Weak Surface Blow Died in 10 min.
60-ISIP- No Blow
30-FFP- No Blow
60-FSIP- No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Oil Speck Mud 100%	0.01

* 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

27-3s-26w Decatur,KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64035

DST#: 3

ATTN: Larry Nicholson

Test Start: 2017.06.18 @ 22:18:00

Tool Information

Drill Pipe:	Length: 3452.00 ft	Diameter: 3.80 inches	Volume: 48.42 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	45000.00 lb
			<u>Total Volume: 49.32 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3652.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	33.00 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
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3625.00	
Shut In Tool	5.00			3630.00	
Hydraulic tool	5.00			3635.00	
Jars	5.00			3640.00	
Safety Joint	2.00			3642.00	
Packer	5.00			3647.00	28.00 Bottom Of Top Packer
Packer	5.00			3652.00	
Stubb	1.00			3653.00	
Recorder	0.00	6668	Inside	3653.00	
Recorder	0.00	8372	Outside	3653.00	
Perforations	29.00			3682.00	
Bullnose	3.00			3685.00	33.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

27-3s-26w Decatur,KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64035

DST#: 3

ATTN: Larry Nicholson

Test Start: 2017.06.18 @ 22:18:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 6.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Oil Speck Mud 100%	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

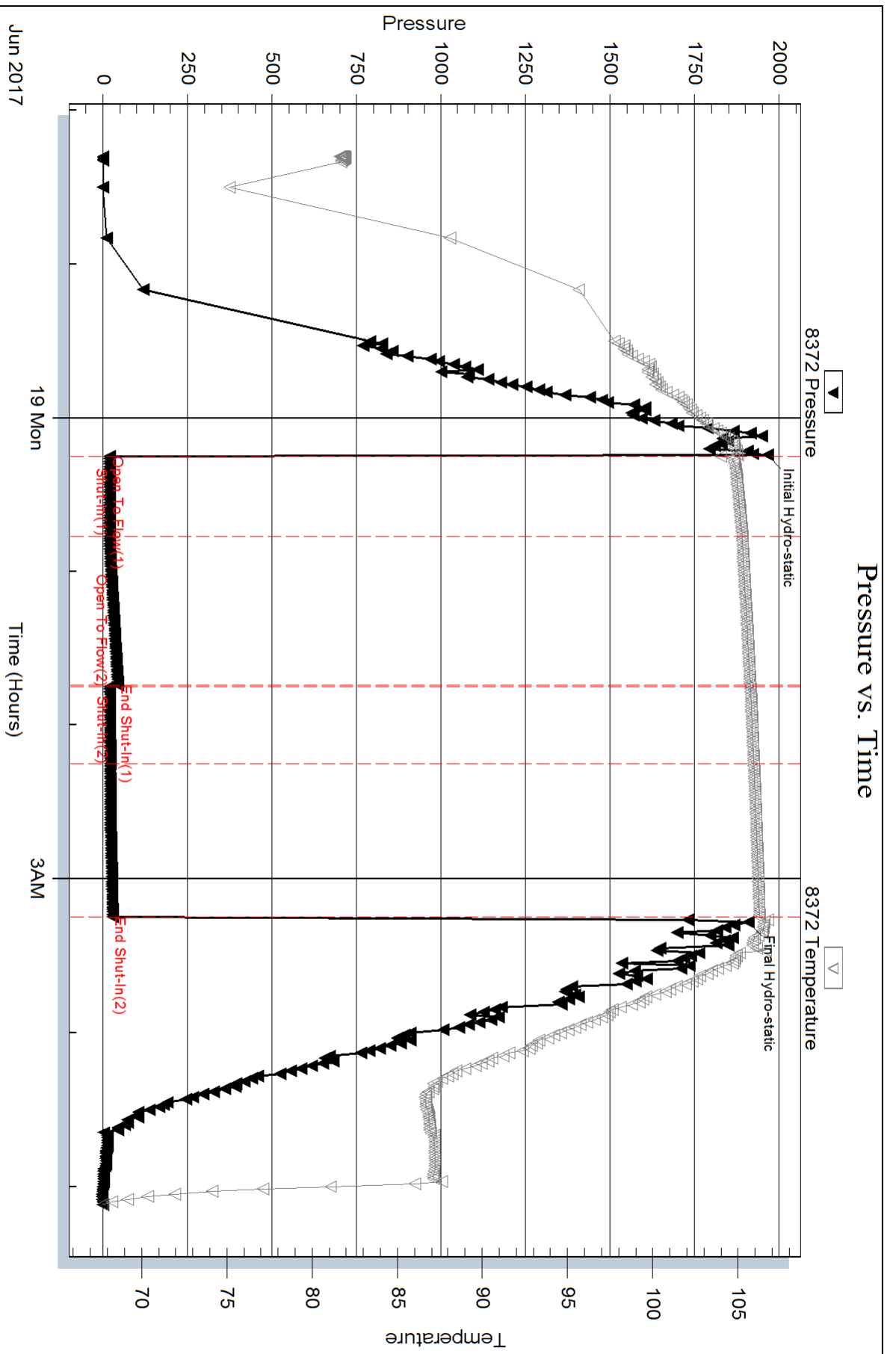
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



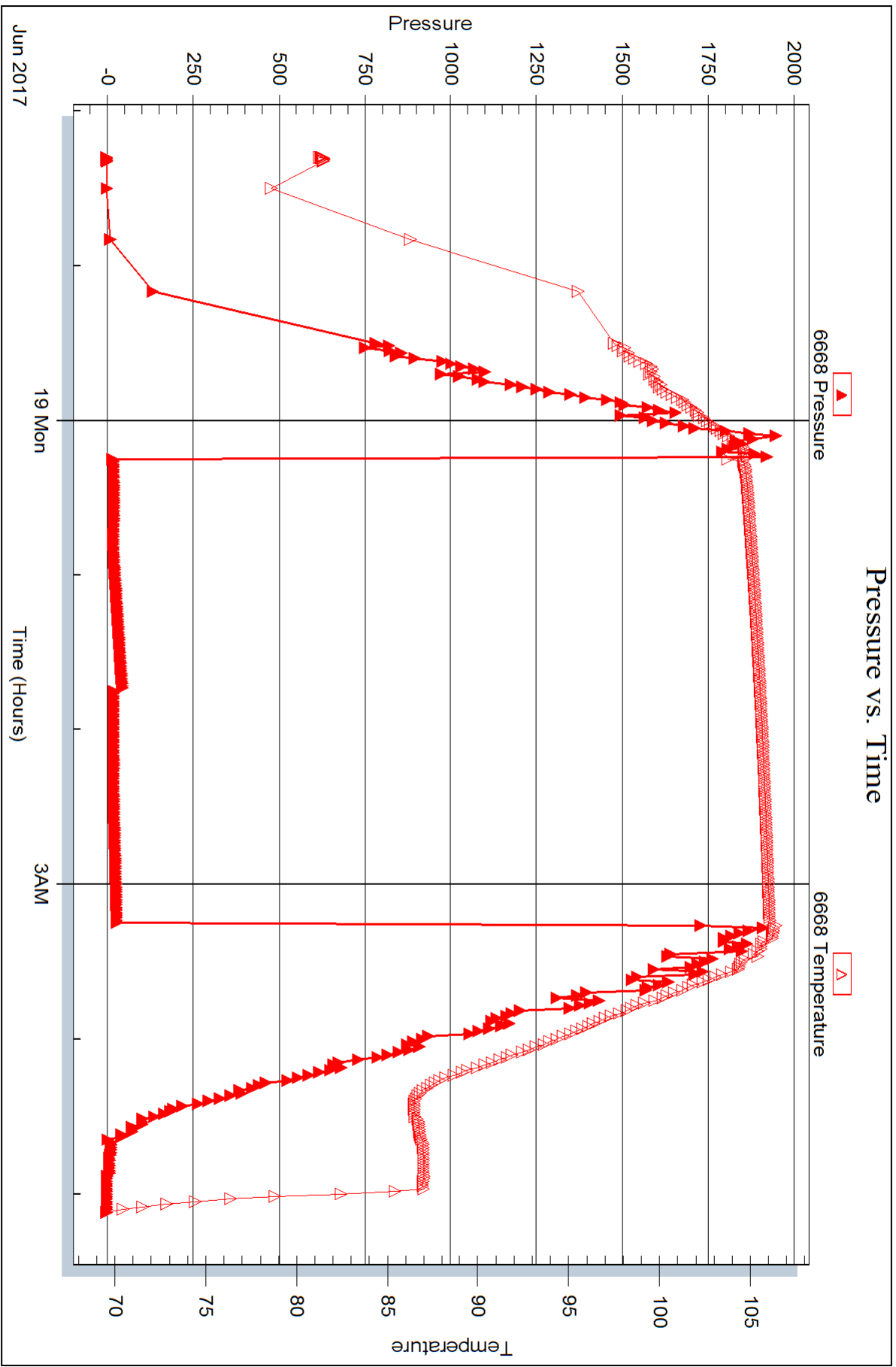
Serial #: 6668

Inside

Cobalt Energy LLC

Evelyn A #1-27

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Larry Nicholson

Evelyn A #1-27

27-3s-26w Decatur,KS

Start Date: 2017.06.19 @ 15:40:00

End Date: 2017.06.19 @ 22:50:00

Job Ticket #: 64036 DST #: 4

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

Printed: 2017.06.20 @ 14:53:46



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC

27-3s-26w Decatur, KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64036

DST#: 4

ATTN: Larry Nicholson

Test Start: 2017.06.19 @ 15:40:00

GENERAL INFORMATION:

Formation: **LKC "J - L "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:51:00

Time Test Ended: 22:50:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 3688.00 ft (KB) To 3758.00 ft (KB) (TVD)

Reference Elevations: 2559.00 ft (KB)

Total Depth: 3758.00 ft (KB) (TVD)

2554.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8372 Outside

Press@RunDepth: 46.80 psig @ 3723.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.19

End Date:

2017.06.19

Last Calib.:

2017.06.19

Start Time: 15:40:01

End Time:

22:50:00

Time On Btm:

2017.06.19 @ 17:50:30

Time Off Btm:

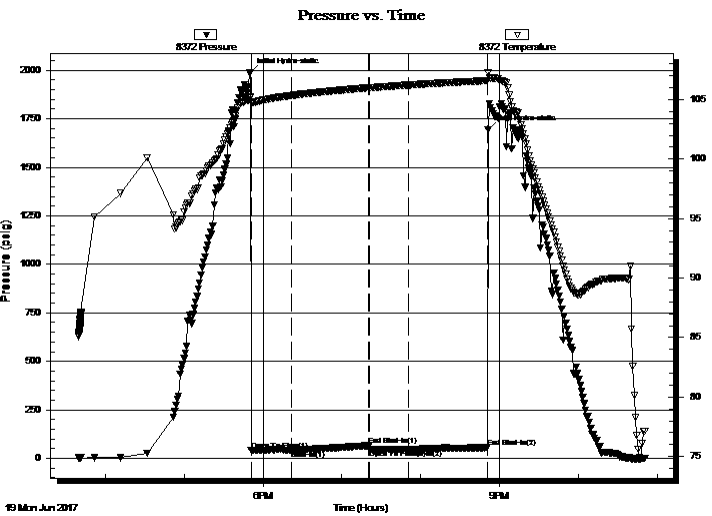
2017.06.19 @ 20:51:00

TEST COMMENT: 30-IFP- Weak Surface Blow Died in 9 min.

60-ISIP- No Blow

30-FFP- No Blow

60-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1988.88	105.22	Initial Hydro-static
1	41.08	104.76	Open To Flow (1)
31	42.36	105.34	Shut-In(1)
90	66.04	106.00	End Shut-In(1)
91	44.09	105.99	Open To Flow (2)
120	46.80	106.22	Shut-In(2)
180	55.85	106.60	End Shut-In(2)
181	1692.43	107.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

27-3s-26w Decatur,KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64036

DST#: 4

ATTN: Larry Nicholson

Test Start: 2017.06.19 @ 15:40:00

GENERAL INFORMATION:

Formation: **LKC "J - L "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:51:00

Time Test Ended: 22:50:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 3688.00 ft (KB) To 3758.00 ft (KB) (TVD)

Reference Elevations: 2559.00 ft (KB)

Total Depth: 3758.00 ft (KB) (TVD)

2554.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6668 Inside

Press@RunDepth: psig @ 3723.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.19

End Date:

2017.06.19

Last Calib.:

2017.06.19

Start Time: 15:40:01

End Time:

22:50:00

Time On Btm:

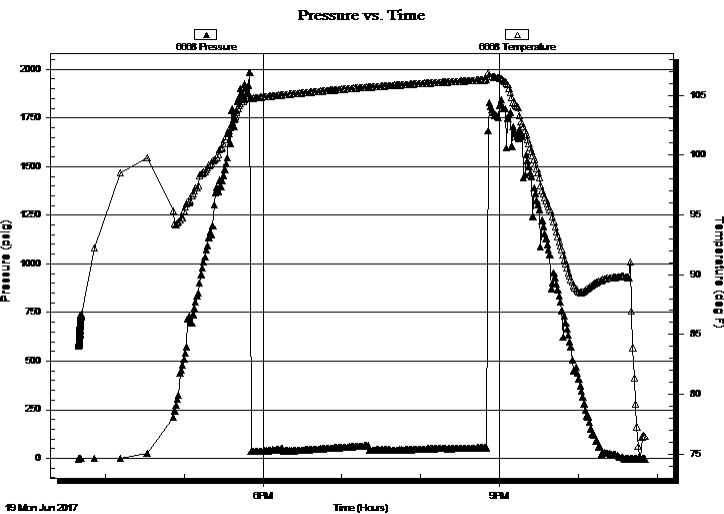
Time Off Btm:

TEST COMMENT: 30-IFP- Weak Surface Blow Died in 9 min.

60-ISIP- No Blow

30-FFP- No Blow

60-FSIP- No Blow



PRESSURE SUMMARY

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

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%	0.01

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

27-3s-26w Decatur,KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64036

DST#: 4

ATTN: Larry Nicholson

Test Start: 2017.06.19 @ 15:40:00

Tool Information

Drill Pipe:	Length: 3486.00 ft	Diameter: 3.80 inches	Volume: 48.90 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 49.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3688.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	98.00 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			3661.00	
Shut In Tool	5.00			3666.00	
Hydraulic tool	5.00			3671.00	
Jars	5.00			3676.00	
Safety Joint	2.00			3678.00	
Packer	5.00			3683.00	28.00 Bottom Of Top Packer
Packer	5.00			3688.00	
Stubb	1.00			3689.00	
Perforations	33.00			3722.00	
Change Over Sub	1.00			3723.00	
Recorder	0.00	6668	Inside	3723.00	
Recorder	0.00	8372	Outside	3723.00	
Blank Spacing	31.00			3754.00	
Change Over Sub	1.00			3755.00	
Bullnose	3.00			3758.00	70.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

27-3s-26w Decatur,KS

PO Box 8037
Wichita KS 67208

Evelyn A #1-27

Job Ticket: 64036

DST#: 4

ATTN: Larry Nicholson

Test Start: 2017.06.19 @ 15:40:00

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: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 6.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
2.00	Mud 100%	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbf

Num Fluid Samples: 0

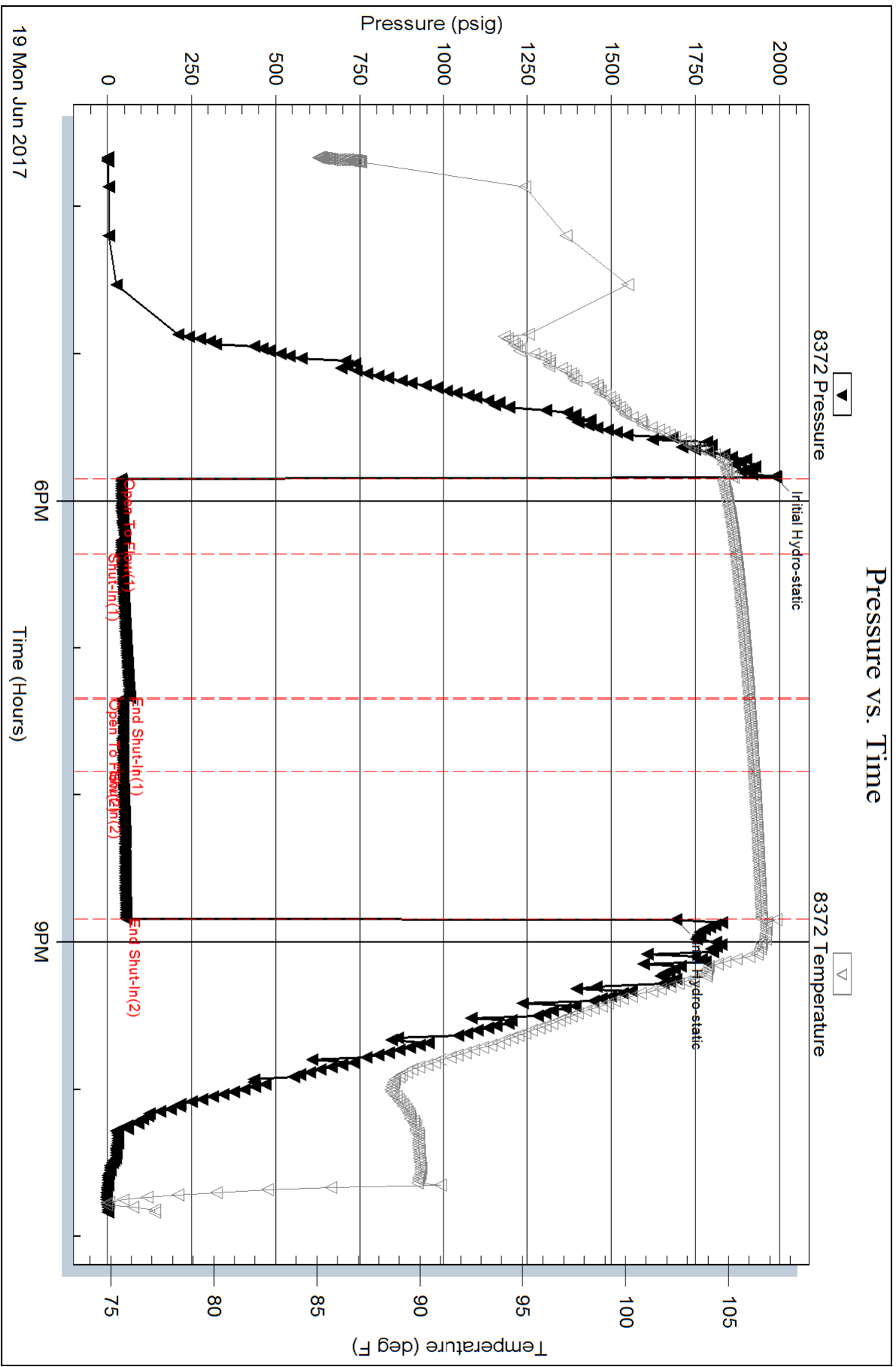
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



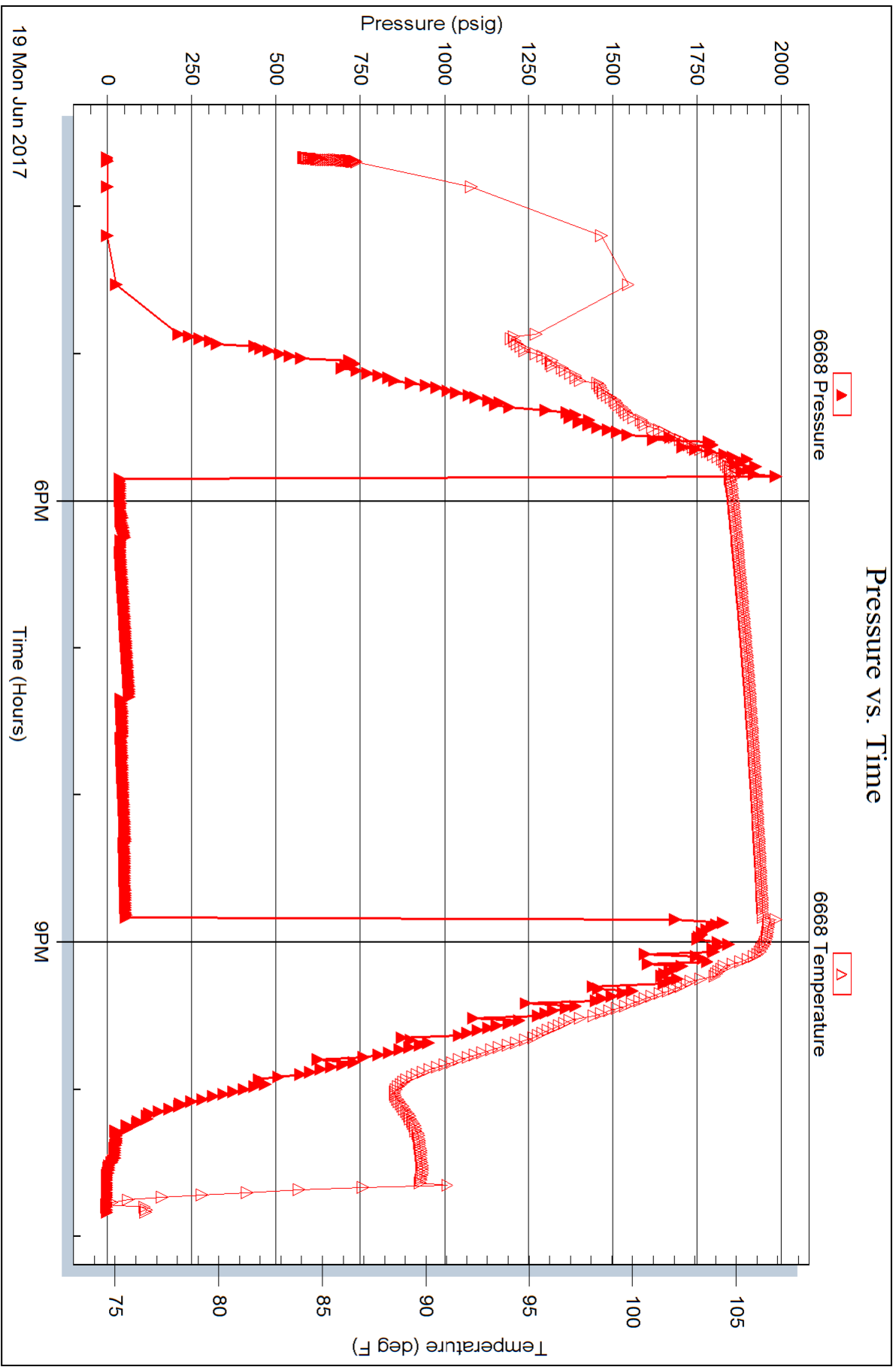
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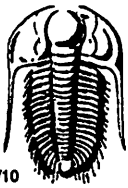
Inside

Cobalt Energy LLC

Evelyn A #1-27

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64033

4/10

Well Name & No. Evelyn A 1-27 Test No. 1 Date 6-17-17
 Company Cobalt Energy LLC Elevation 2559 KB 2554 GL
 Address 115 S. Belmont #12 Box 8037 Wichita KS 67208
 Co. Rep / Geo. Larry Nicholson Rig Murfin 7
 Location: Sec. 27 Twp. 35 Rge. 26 W Co. Decatur State KS

Interval Tested 3519-3562 Zone Tested Toronto
 Anchor Length 4.3 Drill Pipe Run 3327 Mud Wt. 9
 Top Packer Depth ~~3519~~ 3514 Drill Collars Run 18.3 Vis 57
 Bottom Packer Depth ~~3519~~ 3519 Wt. Pipe Run 0 WL 6
 Total Depth 3562 Chlorides 900 ppm System LCM 6
 Blow Description IFP - B.O.B. in 24 min.
ISIP - No Blow
FFP - B.O.B. in 26 1/2 min.
FSIP - No Blow

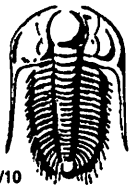
Rec	Feet of	%gas	%oil	%water	%mud
<u>247</u>	<u>mcw</u>		<u>70</u>	<u>30</u>	
<u>208</u>	<u>mcw</u>		<u>95</u>	<u>5</u>	
	<u>Show of Oil in Tool</u>				

Rec Total 455 BHT 106 Gravity _____ API RW .070 @ 85 °F Chlorides 94000 ppm

(A) Initial Hydrostatic <u>1797</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>09:15</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>10:31</u>
(C) First Final Flow <u>159</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>12:34</u>
(D) Initial Shut-In <u>1191</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>16:34</u>
(E) Second Initial Flow <u>163</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>18:40</u>
(F) Second Final Flow <u>236</u>	<input checked="" type="checkbox"/> Mileage <u>54 RT</u> 40.50	Comments _____
(G) Final Shut-In <u>1186</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1731</u>	<input type="checkbox"/> Straddle _____	_____
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility _____	Total <u>1665.50</u>
	Sub Total <u>1665.50</u>	MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64034

Well Name & No. Evelyn A 1-27 Test No. 2 Date 6-18-17
 Company Cobalt Energy LLC Elevation 2559 KB 2554 GL
 Address 115 S. Belmont #12 Box 8037 Wichita KS 67208
 Co. Rep / Geo. Larry Nicholson Rig MURFIN 7
 Location: Sec. 27 Twp. 3^s Rge. 26^w Co. Decatur State KS

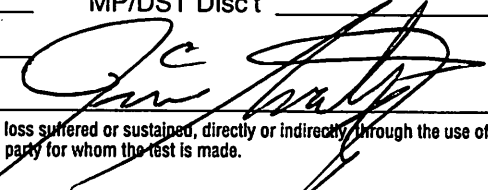
Interval Tested 3565-3599 Zone Tested LKC "B"
 Anchor Length 34 Drill Pipe Run 3359 Mud Wt. 9
 Top Packer Depth 3560 Drill Collars Run 183 Vis 57
 Bottom Packer Depth 3565 Wt. Pipe Run 0 WL 6
 Total Depth 3599 Chlorides 900 ppm System LCM 6

Blow Description IFP - Built to 4 3/4 in. (1"-4) (2"-11) (3"-17) (4"-24)
FSIP - No Blow
FFP - Built to 8 1/2 in. (1"-4) (2"-9) (3"-16) (4"-24) (5"-31) (6"-39) (7"-47) (8"-56)
FSIP - No Blow

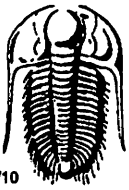
Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>MCO</u>	<u>60</u>		<u>40</u>	
<u>50</u>	<u>CO</u>	<u>100</u>			
<u>-</u>	<u>160 DIP</u>				

Rec Total 110 BHT 105 Gravity 34 API RW @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1817</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>03:05</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>03:21</u>
(C) First Final Flow <u>28</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>05:03</u>
(D) Initial Shut-In <u>1170</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>08:48</u>
(E) Second Initial Flow <u>33</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>10:40</u>
(F) Second Final Flow <u>52</u>	<input checked="" type="checkbox"/> Mileage <u>54 RT</u> 40.50	Comments _____
(G) Final Shut-In <u>1185</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1735</u>	<input type="checkbox"/> Straddle _____	
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1665.50</u>
	Sub Total <u>1665.50</u>	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. 64035

Well Name & No. Evelyn A 1-27 Test No. 3 Date 6-18-17
 Company Cobalt Energy LLC Elevation 2559 KB 2554 GL
 Address 115 S. Belmont #12 Box 8037 Wichita KS 67208
 Co. Rep / Geo. Larry Nicholson Rig Murphy 7
 Location: Sec. 27 Twp. 3^s Rge. 26^w Co. Decatur State K5

Interval Tested 3652-3685 Zone Tested LKC "H"
 Anchor Length 33 Drill Pipe Run 3452 Mud Wt. 9
 Top Packer Depth 3647 Drill Collars Run 183 Vis 54
 Bottom Packer Depth 3652 Wt. Pipe Run 0 WL 6.2
 Total Depth 3685 Chlorides 1600 ppm System LCM 6

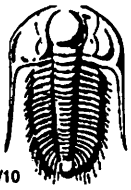
Blow Description IFP - Weak Surface Blow Died in 10 min.
ISIP - No Blow
FFP - No Blow
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Oil Speck Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2 BHT 106 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1965</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>21:30</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>22:18</u>
(C) First Final Flow <u>20</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:15</u>
(D) Initial Shut-In <u>44</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>03:15</u>
(E) Second Initial Flow <u>20</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>05:08</u>
(F) Second Final Flow <u>21</u>	<input checked="" type="checkbox"/> Mileage <u>40.50</u>	Comments _____
(G) Final Shut-In <u>28</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1908</u>	<input type="checkbox"/> Straddle _____	
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1665.50</u>
	Sub Total <u>1665.50</u>	MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64036

Well Name & No. Evelyn A 1-27 Test No. 4 Date 6-19-17
 Company Cobalt Energy LLC Elevation 2559 KB 2554 GL
 Address 115 S Belmont #12 Box 8037 Wichita KS 67208
 Co. Rep / Geo. Larry Nicholson Rig Murfin 7
 Location: Sec. 27 Twp. 35 Rge. 26 W Co. Decatur State KS

Interval Tested 3688-3758 Zone Tested LKC "JKL"
 Anchor Length 70 Drill Pipe Run 3486 Mud Wt. 9.3
 Top Packer Depth 3683 Drill Collars Run 183 Vis 60
 Bottom Packer Depth 3688 Wt. Pipe Run 0 WL 6.8
 Total Depth 3758 Chlorides 1700 ppm System LCM 6

Blow Description IFP - Weak Surface Blow Died in 9 min.
ISIP - No Blow
FFP - No Blow
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>MUD</u>			<u>100</u>	

Rec Total 2 BHT 107 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1988</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>02:50 PM</u>
(B) First Initial Flow <u>41</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>15:40</u>
(C) First Final Flow <u>42</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>17:51</u>
(D) Initial Shut-In <u>66</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>20:51</u>
(E) Second Initial Flow <u>44</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>22:50</u>
(F) Second Final Flow <u>46</u>	<input checked="" type="checkbox"/> Mileage <u>40.50</u>	Comments <u>Pick up tool AFTER</u>
(G) Final Shut-In <u>55</u>	<input type="checkbox"/> Sampler _____	<u>Last Test.</u>
(H) Final Hydrostatic <u>1692</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1665.50</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1665.50</u>	

Approved By _____ Our Representative [Signature]

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GLOBAL OIL FIELD SERVICES, LLC

2954

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>6-14-17</u>	SEC. <u>27</u>	TWP. <u>35</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>EVELYN A</u>	WELL # <u>1-27</u>	LOCATION <u>JENNINGS, KS</u>	COUNTY <u>DECATUR</u>	STATE <u>KS</u>			<u>8:45 PM</u>
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR MURFIN DRILLING RIG#7

TYPE OF JOB SURFACE

HOLE SIZE 17 1/4 T.D. 213.25'

CASING SIZE 17 1/4 DEPTH 203.25 + 10.00

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 40.46'

CEMENT LEFT IN CSG. 20

PERFS

DISPLACEMENT 12 Bar

OWNER

CEMENT AMOUNT ORDERED 150 SK 60/40 3% GEL

EQUIPMENT

PUMP TRUCK CEMENTER Beard

417 HELPER Jason

BULK TRUCK

378 DRIVER Tom

BULK TRUCK

DRIVER

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Run in 5-1/2" 85lb casing, circulate mud, mix 150 SK washup + displace w/ 12 Bar 29g, shut in @ 200 PSI, CEMENT CIRCULATE

CHARGE TO: CONACT ENERGY LLC

STREET 115 S. BELLMONT

CITY WICHITA STATE KS ZIP 67208

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 Juan Tinoco

SIGNATURE Juan Tinoco

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT

IF PAID IN 30 DAYS



CHARGE TO: <i>Cobalt Energy</i>
ADDRESS
CITY, STATE, ZIP CODE

TICKET 30426

PAGE	OF
1	2

SERVICE LOCATIONS 1. <i>Hays Ks</i>	WELL/PROJECT NO. <i>1-27</i>	LEASE <i>Evelyn "A"</i>	COUNTY/PARISH <i>Decatur</i>	STATE <i>Ks</i>	CITY	DATE <i>6-21-17</i>	OWNER
2. <i>Ness City Ks</i>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Murfin Drilling Co</i>	RIG NAME/NO. <i>Rig # 7</i>	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>Location</i>	ORDER NO.	
3.	WELL TYPE <i>Oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>Top to Bottom Long String</i>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE Trk # 111	90	Mi			5.00	450	.00
579		1			Pump Charge	1	EA			1700.00	1700	.00
290		1			D-Air	5	Gal			42.00	210	.00
281		1			Mudflush	500	Gal			1.25	625	.00
221		1			Liquid Kcl	2	Gal			25.00	50	.00
402		1			Centralizer	8	EA	5 1/2		60.00	480	.00
406		1			Latch Down Plug & Baffle	1	EA	↓		225.00	225	.00
407		1			Insert Float shoe w/ Auto Fill	1	EA	↓		300.00	300	.00
403		1			Cement Basket	4	EA	↓		250.00	1000	.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: *[Signature]* TIME SIGNED: A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	P.1 PAGE TOTAL	5040	.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P.2	10480	.50
WE UNDERSTOOD AND MET YOUR NEEDS?				Total	15520	.98
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Decatur TAX	827	.29
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	16347	.99
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: *David Edgerton*

APPROVAL

Thank You!



PO Box 466
 Ness City, KS 67560
 Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 30426

CUSTOMER Cobalt Energy	WELL Evelyn A ^{KA} 1-27	DATE 6-21-17	PAGE 2	OF 2
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE		AMOUNT	
		LOC	ACCT	DF										
330		2				Swift Multi Density	500	SKS			15	75	7875	00
276		2				Fiorele	118	lbs			2	25	265	50
		2				SERVICE CHARGE Cement	CUBIC FEET 500 SKS				1	50	750	00
		2				MILEAGE CHARGE	TOTAL WEIGHT 47117	LOADED MILES 90	TON MILES 2120			75	1590	00

CONTINUATION TOTAL 10480.50

JOB LOG

SWIFT Services, Inc.

DATE 6-21-17 PAGE NO. 1

CUSTOMER Cobalt Energy WELL NO. 1-27 LEASE Evelyn JOB TYPE Long String TICKET NO. 30426

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	300							On location
								5 1/2 csg x 17# RTD- 4010 LTD- 4012 Total pipe- 3997' Shoe Jt - 42.07 e 3955' Centralizers- 1, 6, 9, 10, 11, 17, 44, 66 Baskets- 5, 14, 43, 65
	705							Start Running csg
	915							Break circ on Bottom
	1015	2.5	16			0		Plug Rat Hole - 30 sks cmt
	1020	2.5	11			0		Plug Mouse Hole - 20 sks cmt
	1025	6	12				300	pump mud flush 500 Gal
	1030	6	20				300	pump Kcl Spacer - 20 BBL
	1045	6.5	195				400	Start cmt e 11.2 ppg - 350 sks
		6.5	195					Raise weight to 14.5 ppg - 100 sks
	1130	4	220				150	End cmt
								Drop plug - wash p + L
	1135	6	0				0	Start Disp
		6	65				400	Circulate Cement
	1150	4	92				1200	land plug - lift psi - 1200 psi land psi - 1800 psi
								Circulated 50 sks cmt to pit
								Thanks David, Austin & Isaac