

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
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (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	TAYLOR TRUST "A" 1-32
Doc ID	1347538

All Electric Logs Run

Dual Induction
Neutron-Density
Micro
Sonic



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Nicholas Hess/Corey

S32-7s-16w Rooks,KS

Taylor Trust 'A' #1-32

Start Date: 2017.02.04 @ 19:09:00

End Date: 2017.02.05 @ 00:58:00

Job Ticket #: 64673 DST #: 1

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

Printed: 2017.02.07 @ 09:01:32



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC

Taylor Trust 'A' #1-32

PO Box 8037
Wichita KS 67208

S32-7s-16w Rooks,KS

ATTN: Nicholas Hess/Corey

Job Ticket: 64673

DST#: 1

Test Start: 2017.02.04 @ 19:09:00

GENERAL INFORMATION:

Formation: **Lower Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:02:15

Time Test Ended: 00:58:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J. Staab

Unit No: 84

Interval: 2850.00 ft (KB) To 2919.00 ft (KB) (TVD)

Reference Elevations: 1762.00 ft (KB)

Total Depth: 2919.00 ft (KB) (TVD)

1757.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8934

Inside

Press@RunDepth: 19.14 psig @ 2852.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.02.04 End Date: 2017.02.05

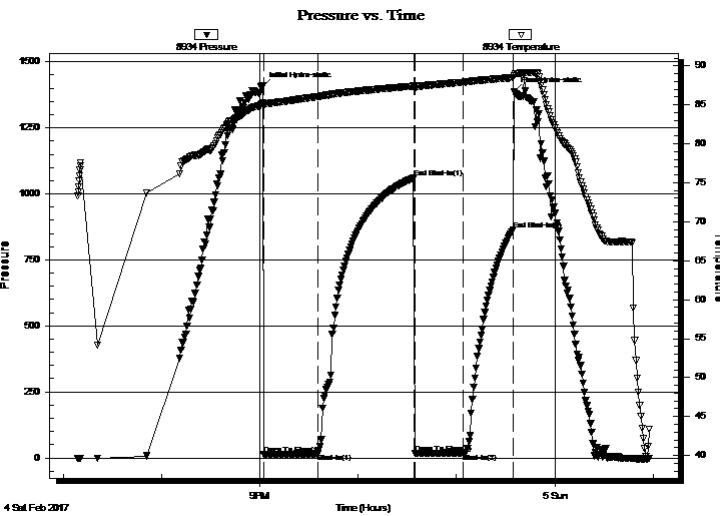
Last Calib.: 2017.02.05

Start Time: 19:09:05 End Time: 00:57:59

Time On Btm: 2017.02.04 @ 21:02:00

Time Off Btm: 2017.02.04 @ 23:35:15

TEST COMMENT: 30-IF-Very Weak Blow ; Built from a surface blow to 1"
60-ISI-No Blow Back
30-FF-No Blow
30-FSI-No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1406.58	85.29	Initial Hydro-static
1	14.04	84.76	Open To Flow (1)
34	15.65	86.04	Shut-In(1)
92	1060.72	87.40	End Shut-In(1)
93	18.04	87.01	Open To Flow (2)
123	19.14	87.89	Shut-In(2)
153	864.37	88.48	End Shut-In(2)
154	1385.51	88.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Oil Speckled Mud	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

Taylor Trust 'A' #1-32

PO Box 8037
Wichita KS 67208

S32-7s-16w Rooks,KS

Job Ticket: 64673

DST#: 1

ATTN: Nicholas Hess/Corey

Test Start: 2017.02.04 @ 19:09:00

Tool Information

Drill Pipe:	Length: 2691.00 ft	Diameter: 3.80 inches	Volume: 37.75 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 151.00 ft	Diameter: 2.25 inches	Volume: 0.74 bbl	Weight to Pull Loose: 49000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	2850.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	92.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2828.00	
Shut In Tool	5.00			2833.00	
Hydraulic tool	5.00			2838.00	
Safety Joint	3.00			2841.00	
Packer	5.00			2846.00	23.00 Bottom Of Top Packer
Packer	4.00			2850.00	
Stubb	1.00			2851.00	
Change Over Sub	1.00			2852.00	
Recorder	0.00	9120	Inside	2852.00	
Recorder	0.00	8934	Inside	2852.00	
Drill Pipe	62.00			2914.00	
Change Over Sub	1.00			2915.00	
Bullnose	4.00			2919.00	69.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

Taylor Trust 'A' #1-32

PO Box 8037
Wichita KS 67208

S32-7s-16w Rooks,KS

Job Ticket: 64673

DST#: 1

ATTN: Nicholas Hess/Corey

Test Start: 2017.02.04 @ 19:09:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Oil Speckled Mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

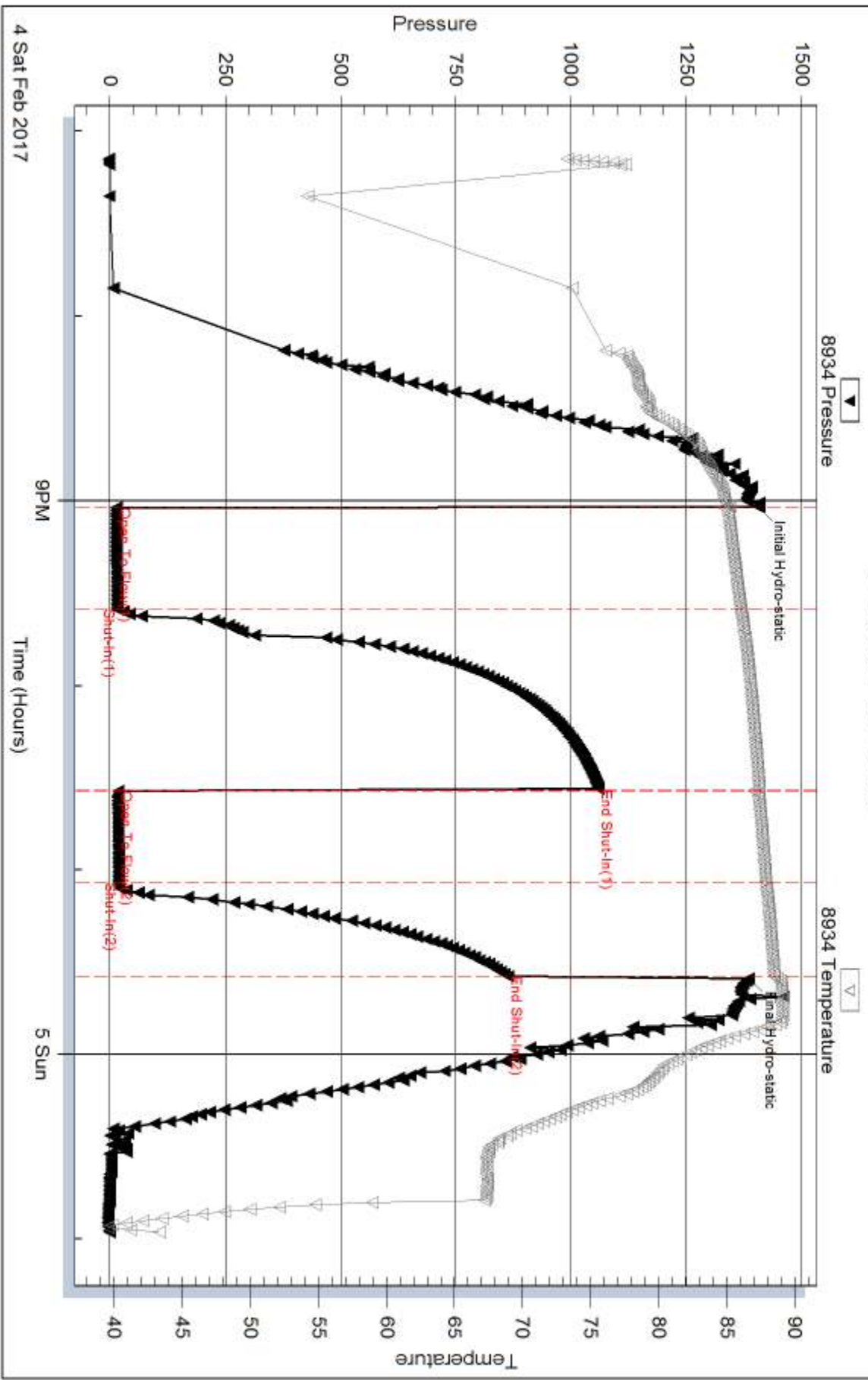
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



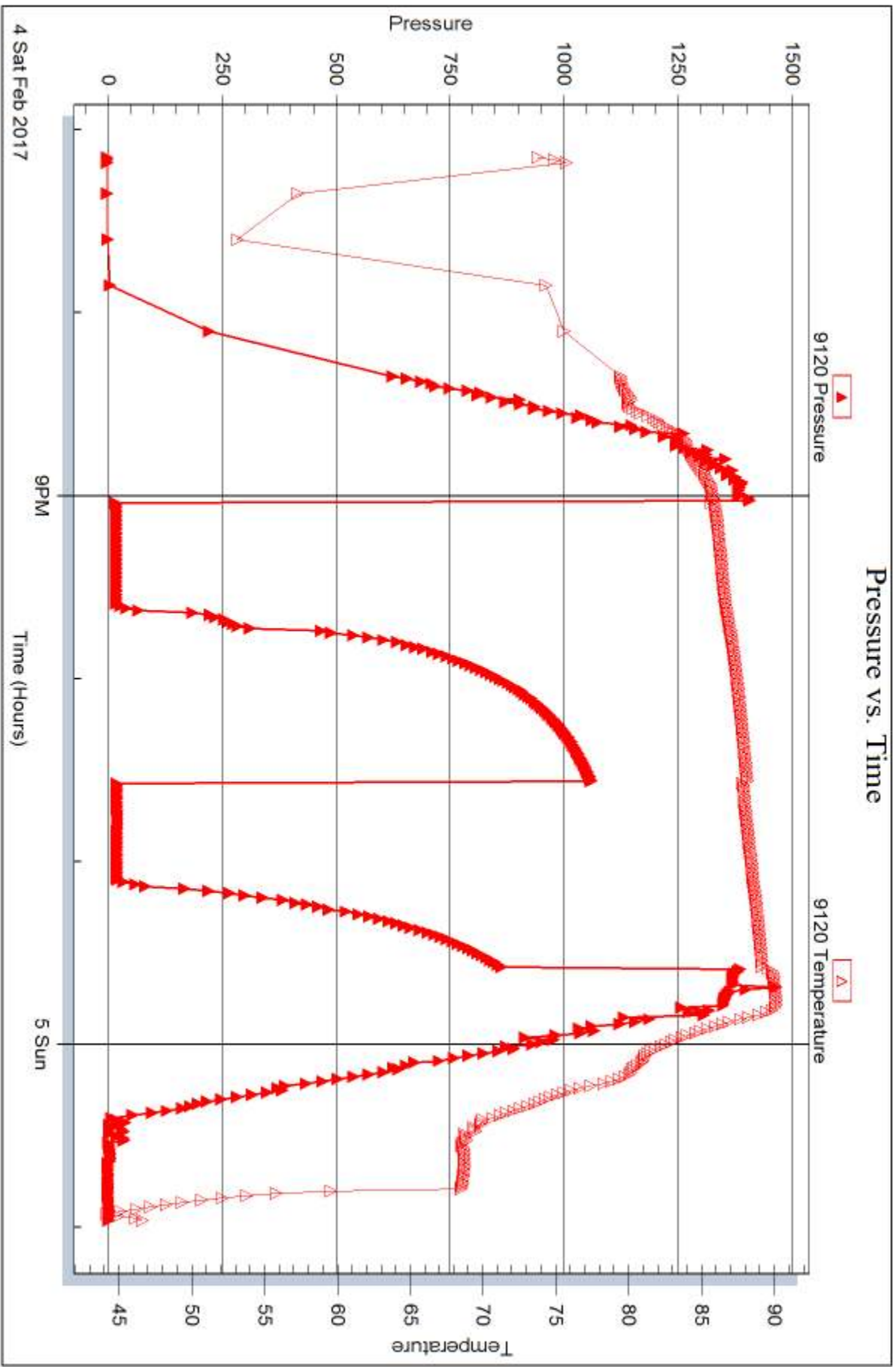
Serial #: 9120

Inside

Cobalt Energy LLC

S32-7s-16w Rooks, KS

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64673

Printed: 2017.02.07 @ 09:01:33



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Nicholas Hess/Corey

S32-7s-16w Rooks,KS

Taylor Trust 'A' #1-32

Start Date: 2017.02.05 @ 14:25:00

End Date: 2017.02.05 @ 21:34:45

Job Ticket #: 64674 DST #: 2

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

Printed: 2017.02.07 @ 09:01:04



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC

Taylor Trust 'A' #1-32

PO Box 8037
Wichita KS 67208

S32-7s-16w Rooks,KS

ATTN: Nicholas Hess/Corey

Job Ticket: 64674

DST#: 2

Test Start: 2017.02.05 @ 14:25:00

GENERAL INFORMATION:

Formation: **LKC 'C-G'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:06:15
 Time Test Ended: 21:34:45
 Interval: **2962.00 ft (KB) To 3070.00 ft (KB) (TVD)**
 Total Depth: 3070.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J. Staab
 Unit No: 84
 Reference Elevations: 1762.00 ft (KB)
 1757.00 ft (CF)
 KB to GR/CF: 5.00 ft

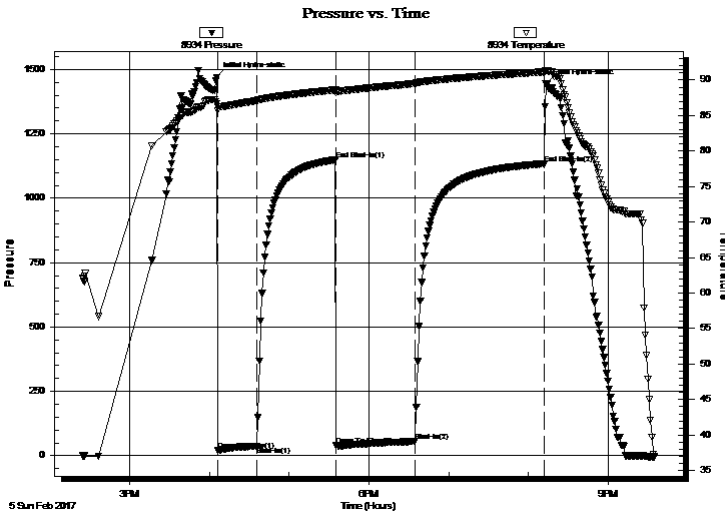
Serial #: 8934

Inside

Press@RunDepth: 56.28 psig @ 2970.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.02.05 End Date: 2017.02.05 Last Calib.: 2017.02.05
 Start Time: 14:25:05 End Time: 21:34:44 Time On Btm: 2017.02.05 @ 16:06:00
 Time Off Btm: 2017.02.05 @ 20:13:00

TEST COMMENT: 30-IF-Weak Blow ; Built from a surface blow to 2 1/4"
 60-ISI-No Blow Back
 60-FF-Very Weak Blow ; Built from a surface blow to 1"
 90-FSI-No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1470.72	86.63	Initial Hydro-static
1	19.88	85.67	Open To Flow (1)
30	37.33	87.09	Shut-In(1)
89	1149.62	88.61	End Shut-In(1)
90	40.07	88.24	Open To Flow (2)
149	56.28	89.51	Shut-In(2)
246	1133.74	91.14	End Shut-In(2)
247	1443.22	91.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	Mud 100% M	0.87

* 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

Taylor Trust 'A' #1-32

PO Box 8037
Wichita KS 67208

S32-7s-16w Rooks,KS

Job Ticket: 64674

DST#: 2

ATTN: Nicholas Hess/Corey

Test Start: 2017.02.05 @ 14:25:00

Tool Information

Drill Pipe:	Length: 2916.00 ft	Diameter: 3.80 inches	Volume: 40.90 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 28.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	2962.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	108.00 ft			
Tool Length:	131.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2940.00	
Shut In Tool	5.00			2945.00	
Hydraulic tool	5.00			2950.00	
Safety Joint	3.00			2953.00	
Packer	5.00			2958.00	23.00 Bottom Of Top Packer
Packer	4.00			2962.00	
Stubb	1.00			2963.00	
Perforations	6.00			2969.00	
Change Over Sub	1.00			2970.00	
Recorder	0.00	9120	Inside	2970.00	
Recorder	0.00	8934	Inside	2970.00	
Drill Pipe	95.00			3065.00	
Change Over Sub	1.00			3066.00	
Bullnose	4.00			3070.00	108.00 Bottom Packers & Anchor

Total Tool Length: 131.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

Taylor Trust 'A' #1-32

PO Box 8037
Wichita KS 67208

S32-7s-16w Rooks,KS

Job Ticket: 64674

DST#: 2

ATTN: Nicholas Hess/Corey

Test Start: 2017.02.05 @ 14:25:00

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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	Mud 100% M	0.867

Total Length: 80.00 ft Total Volume: 0.867 bbl

Num Fluid Samples: 0

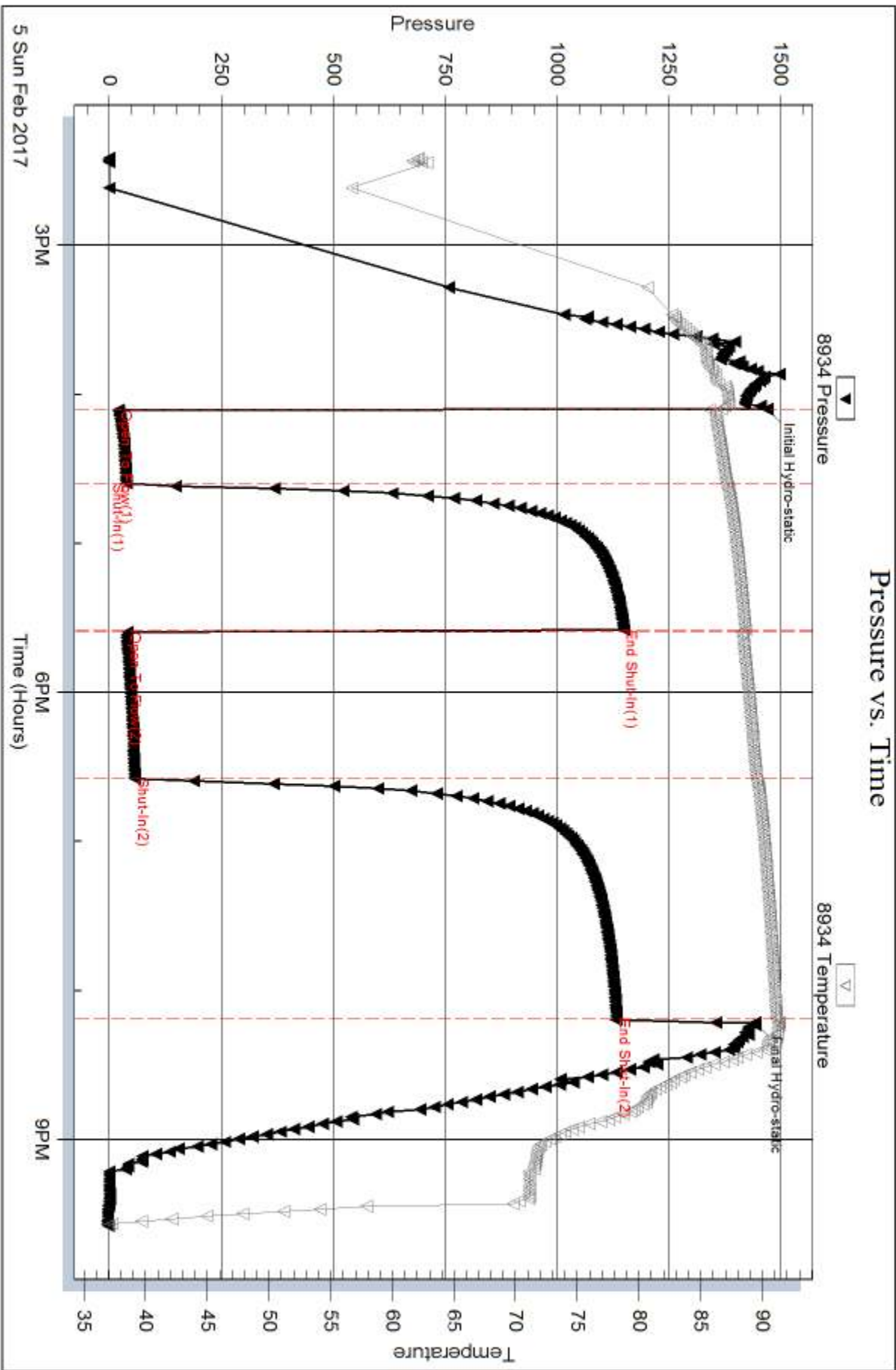
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



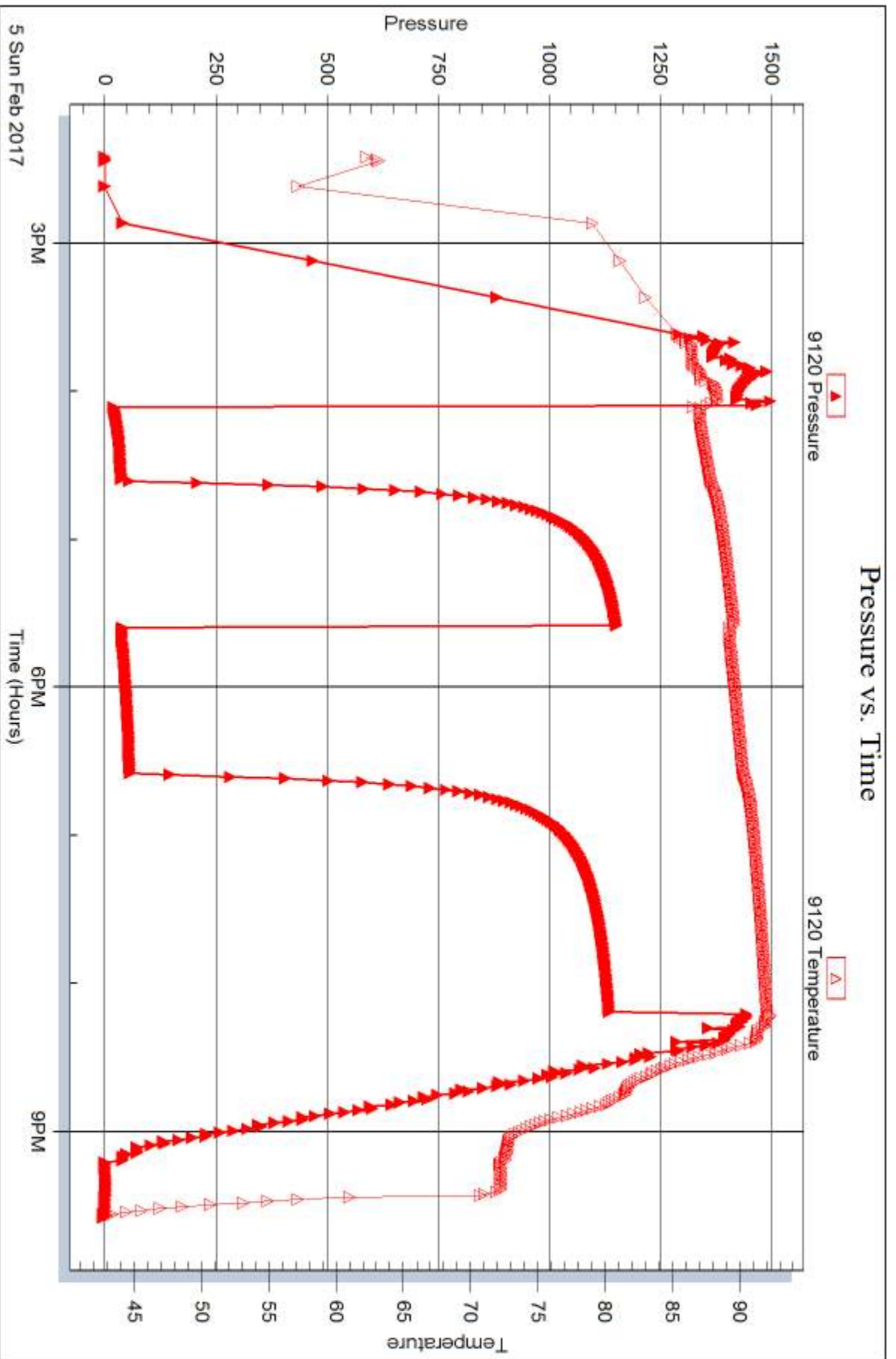
Serial #: 9120

Inside

Cobalt Energy LLC

S32-7s-16w Rooks, KS

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 64674

Printed: 2017.02.07 @ 09:01:05



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Nicholas Hess/Corey

S32-7s-16w Rooks,KS

Taylor Trust 'A' #1-32

Start Date: 2017.02.06 @ 07:31:00

End Date: 2017.02.06 @ 12:26:15

Job Ticket #: 64675 DST #: 3

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

Printed: 2017.02.07 @ 09:00:06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

Taylor Trust 'A' #1-32

PO Box 8037
Wichita KS 67208

S32-7s-16w Rooks,KS

ATTN: Nicholas Hess/Corey

Job Ticket: 64675

DST#: 3

Test Start: 2017.02.06 @ 07:31:00

GENERAL INFORMATION:

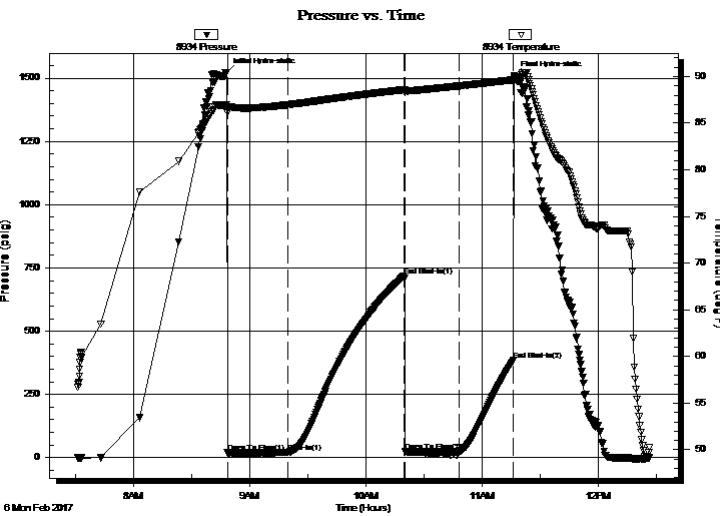
Formation: **LKC 'H-K'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:48:15
 Time Test Ended: 12:26:15
 Interval: **3064.00 ft (KB) To 3170.00 ft (KB) (TVD)**
 Total Depth: 3170.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J. Staab
 Unit No: 84
 Reference Elevations: 1762.00 ft (KB)
 1757.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8934

Inside

Press@RunDepth: 23.46 psig @ 3070.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.02.06 End Date: 2017.02.06 Last Calib.: 2017.02.06
 Start Time: 07:31:05 End Time: 12:26:14 Time On Btm: 2017.02.06 @ 08:48:00
 Time Off Btm: 2017.02.06 @ 11:16:30

TEST COMMENT: 30-IF-Weak Blow ; Built from a surface blow to 1"
 60-ISI-No Blow Back
 30-FF-No Blow
 30-FSI-No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1522.43	87.01	Initial Hydro-static
1	19.47	86.12	Open To Flow (1)
32	20.27	86.97	Shut-In(1)
92	719.25	88.59	End Shut-In(1)
92	23.54	88.32	Open To Flow (2)
120	23.46	88.98	Shut-In(2)
148	383.75	89.63	End Shut-In(2)
149	1507.94	89.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.05

* 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

Taylor Trust 'A' #1-32

PO Box 8037
Wichita KS 67208

S32-7s-16w Rooks,KS

ATTN: Nicholas Hess/Corey

Job Ticket: 64675

DST#: 3

Test Start: 2017.02.06 @ 07:31:00

Tool Information

Drill Pipe:	Length: 2917.00 ft	Diameter: 3.80 inches	Volume: 40.92 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 151.00 ft	Diameter: 2.25 inches	Volume: 0.74 bbl	Weight to Pull Loose:	44000.00 lb
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3064.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	106.00 ft				
Tool Length:	129.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3042.00	
Shut In Tool	5.00			3047.00	
Hydraulic tool	5.00			3052.00	
Safety Joint	3.00			3055.00	
Packer	5.00			3060.00	23.00 Bottom Of Top Packer
Packer	4.00			3064.00	
Stubb	1.00			3065.00	
Perforations	4.00			3069.00	
Change Over Sub	1.00			3070.00	
Recorder	0.00	9120	Inside	3070.00	
Recorder	0.00	8934	Inside	3070.00	
Drill Pipe	95.00			3165.00	
Change Over Sub	1.00			3166.00	
Bullnose	4.00			3170.00	106.00 Bottom Packers & Anchor

Total Tool Length: 129.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

Taylor Trust 'A' #1-32

PO Box 8037
Wichita KS 67208

S32-7s-16w Rooks,KS

Job Ticket: 64675

DST#: 3

ATTN: Nicholas Hess/Corey

Test Start: 2017.02.06 @ 07:31:00

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: ppm

Viscosity: 40.00 sec/qt

Cushion Volume: bbl

Water Loss: 6.79 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
10.00	Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

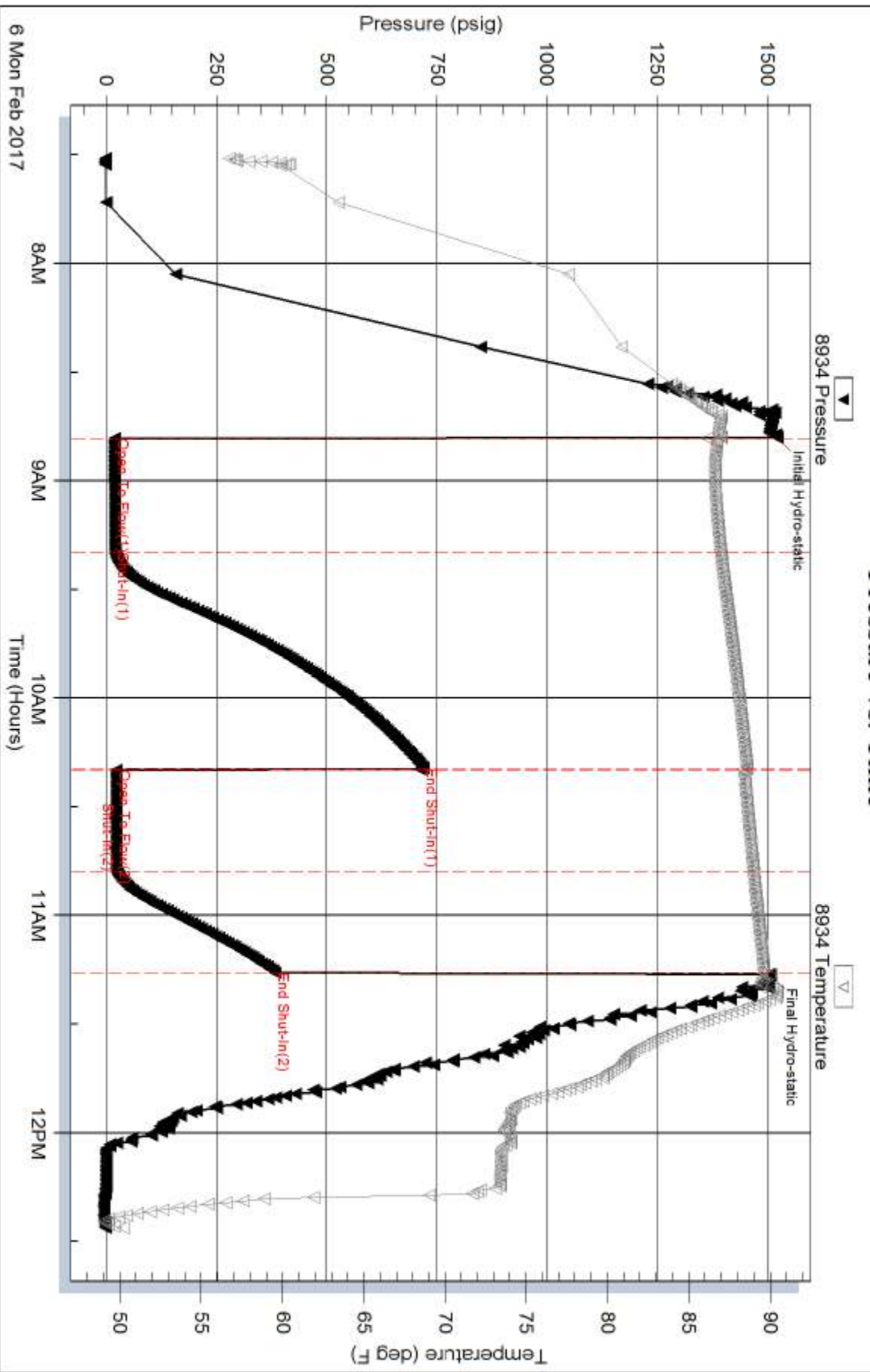
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



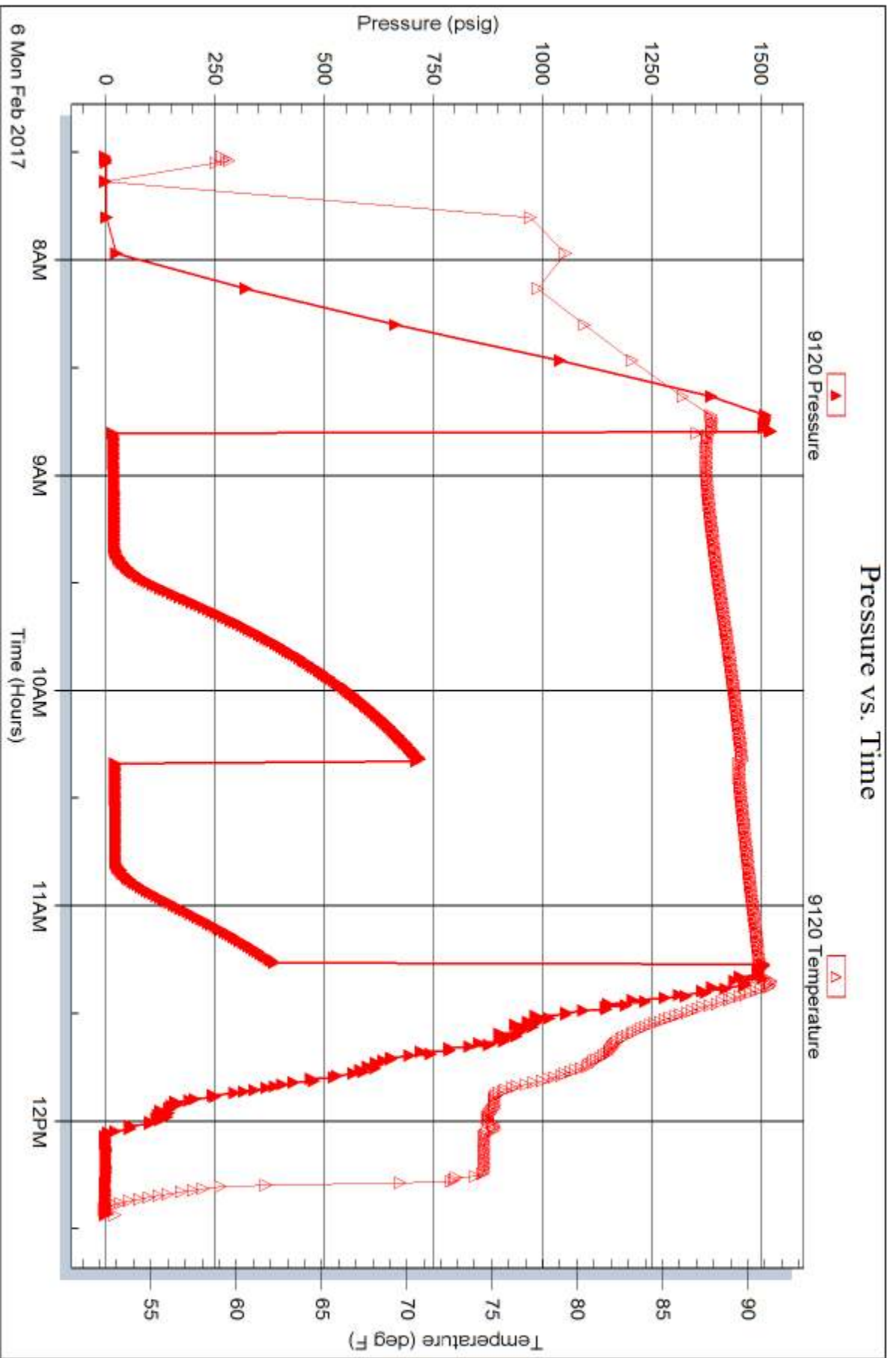
Serial #: 9120

Inside

Cobalt Energy LLC

S32-7s-16w Rooks, KS

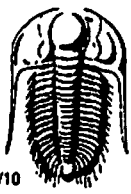
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 64675

Printed: 2017.02.07 @ 09:00:07



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64673

Well Name & No. Taylor Trust 'a' #1-32 Test No. 1 Date 2/4/2017
 Company Cobalt Energy LLC Elevation 1762 KB 17.57 GL
 Address 115 S. Belmont #12 PO BOX 8037 Wichita Ks 67208
 Co. Rep / Geo. Nicholas Hess / Corey Baker Rig Murfin Rig #16
 Location: Sec. _____ Twp. _____ Rge. _____ Co. Rocks State Ks

Interval Tested 2850' - 2919' Zone Tested Lower Topeka
 Anchor Length 69' Drill Pipe Run 2691' Mud Wt. 8.9
 Top Packer Depth 2845' Drill Collars Run 151' Vis 49
 Bottom Packer Depth 2850' Wt. Pipe Run — WL 7.2
 Total Depth 2919' Chlorides 3,000 ppm System LCM 2#

Blow Description 57 - Very Weak Blow; Built from a surface blow to 1 inch
50 - No Blow Back
77 - No Blow
750 - No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>20'</u>	<u>Oil Speckled Mud</u>	<u>1<</u>		<u>99</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 20' BHT 89° Gravity — API RW — @ — °F Chlorides — ppm

- (A) Initial Hydrostatic 1406
- (B) First Initial Flow 14
- (C) First Final Flow 15
- (D) Initial Shut-In 1060
- (E) Second Initial Flow 18
- (F) Second Final Flow 19
- (G) Final Shut-In 864
- (H) Final Hydrostatic 1385

- Test 1050
- Jars _____
- Safety Joint 75
- Circ Sub _____
- Hourly Standby _____
- Mileage 108 RT 81
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1206

- T-On Location 17:50
- T-Started 19:09
- T-Open 21:01
- T-Pulled 23:34
- T-Out 00:55 2/5/2017

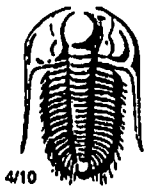
Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 30

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1206.00
 MP/DST Disc't _____

Approved By _____ Our Representative Spencer J. Storch 785-259-005

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 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.

Thank-you!



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64674

Well Name & No. Taylor Trust 'A' # 1-32 Test No. 2 Date 2/5/2017
 Company Cobalt Energy L L C Elevation 1762 KB 1757 GL
 Address 115 S. Belmont # 12 PO BOX Wichita Ks 67208
 Co. Rep / Geo. Nicholas Hess / Corey Baker Rig Muffin Drilling Co Rig # 16
 Location: Sec. 32 Twp. 7A Rge. 16w Co. Roooks State KS

Interval Tested 2962' - 3070' Zone Tested 2.2C 'C-D'
 Anchor Length 108' Drill Pipe Run 2916 Mud Wt. 9.1
 Top Packer Depth 2957' Drill Collars Run 28 Vis 44
 Bottom Packer Depth 2962' Wt. Pipe Run — WL 7.8
 Total Depth 3070' Chlorides 2,600 ppm System LCM 2#

Blow Description J7 - Weak Blow; Built from a surface blow to 2 1/4 inches
JSD - No Blow Back
77 - Very Weak Blow; Built from a surface blow to 1 inch
7SD - No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>80'</u>	<u>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	Feet of	%gas	%oil	%water	%mud

Rec Total 80' BHT 91° Gravity — API RW — @ — °F Chlorides — ppm

- (A) Initial Hydrostatic 1470
- (B) First Initial Flow 19
- (C) First Final Flow 37
- (D) Initial Shut-In 1149
- (E) Second Initial Flow 40
- (F) Second Final Flow 56
- (G) Final Shut-In 1133
- (H) Final Hydrostatic 1443

- Test 1050
- Jars
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 108 R7 81
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1206

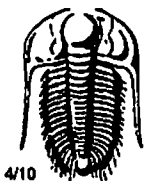
- T-On Location 14:05
- T-Started 14:25
- T-Open 16:05
- T-Pulled 20:05
- T-Out 21:33

- Comments _____
- Ruined Shale Packer
 - Ruined Packer
 - Extra Copies
 - Sub Total 0
 - Total 1206.0
 - MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90

Approved By _____ Our Representative Spencer J. Clark Thank you!
 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.

705-759-1264



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64675

Well Name & No. Taylor Trust 'a' #1-32 Test No. 3 Date 2/6/2017
 Company Cobalt Energy LLC Elevation 1762 KB 1757 GL
 Address 115 S. Belmont #12 PO BOX Wichita Ks 67208
 Co. Rep / Geo. Nicholas Hess / Corey Baker Rig Murfin Drilling Co Rig#16
 Location: Sec. 32 Twp. 7s Rge. 10w Co. Rooks State Ks

Interval Tested 3064' - 3070' Zone Tested 2HC 'H-K'
 Anchor Length 106' Drill Pipe Run 2917 Mud Wt. 9.0
 Top Packer Depth 3059' Drill Collars Run 28 Vis 50
 Bottom Packer Depth 3064' Wt. Pipe Run — WL 6.8
 Total Depth 3170' Chlorides 2,800 ppm System LCM 2#

Blow Description 17 - Weak Blow; Built from a surface blow to 1 inch
1SD - No Blow Back
77 - No Blow
7SD - No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>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	Feet of	%gas	%oil	%water	%mud

Rec Total 10' BHT 90° Gravity — API RW —@ — ° F Chlorides — ppm

(A) Initial Hydrostatic 1522 Test 1050 T-On Location 07:10
 (B) First Initial Flow 19 Jars — T-Started 07:31
 (C) First Final Flow 20 Safety Joint 75 T-Open 08:47
 (D) Initial Shut-In 719 Circ Sub — T-Pulled 11:17
 (E) Second Initial Flow 23 Hourly Standby — T-Out 12:24
 (F) Second Final Flow 23 Mileage 108 R7 81
 (G) Final Shut-In 383 Sampler —
 (H) Final Hydrostatic 1507 Straddle —

Ruined Shale Packer —
 Ruined Packer —
 Extra Copies —
 Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 30
 Extra Packer —
 Extra Recorder —
 Day Standby —
 Accessibility —
 Sub Total 1206
 Total 1206.00
 MP/DST Disc't —

Approved By — Our Representative Spencer J. Javel *Thanks!*
 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.

785-250-1156

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Home Office P.O. Box 32 Russell, KS 67665

No. 7328

Phone 785-483-2025

Cell 785-324-1041

Date	2-2 1-17	Sec.	32	Twp.	7	Range	16	County	Rooks	State	Ks	On Location		Finish	2:30 pm
Location													Automa Low level 14 1/2 E into		

Lease	Taylor Trust		Well No.	1-32		Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Contractor	Mundin 16						Charge To	Cobalt Energy								
Type Job	Surface		T.D.	1090		Street										
Hole Size	12 1/4		Depth	1088		City	State									
Csg.	8 5/8		Depth			The above was done to satisfaction and supervision of owner agent or contractor.										
Tbg. Size			Depth			Cement Amount Ordered 450 ⁵⁰ /20 3/LL 2/CEL										
Tool			Depth													
Cement Left in Csg.	40.52		Shoe Joint	40.52												
Meas Line			Displace	66 1/2 B.C.												

EQUIPMENT

Pumptrk	5	No.	Cement	Long
			Helper	
Bulktrk		No.	Driver	Best
			Driver	
Bulktrk	21	No.	Driver	Doug
			Driver	

Common	360
Poz. Mix	90
Gel.	9
Calcium	17

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

8 5/8 on bottom for circulation.
Baffle 1047.50. Mix 450SK+
Displace Plug
Cement Circulated.
Plug located 1000#
Shot in @ 500#.

Hulls

Salt

Flowseal

Kol-Seal

Mud CLR 48

CFL-117 or CD110 CAF 38

Sand

Handling 476

Mileage

FLOAT EQUIPMENT

Guide Shoe	Baffle Plate
Centralizer	3
Baskets	Rubber Plug
AFU Inserts	
Float Shoe	
Latch Down	

(Trucks on location
36 Hrs
3 personnel 2.7 Hrs)

Pumptrk Charge Long Surface
Mileage 44

Tax

Discount

Total Charge

X Signature *[Signature]*

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7333

Date	Sec.	Twp.	Range	County	State	On Location	Finish
2-7-17	32	7	16	ROCKS	KS		9:00 AM
				Location Natoma W26RD 14N Einto			

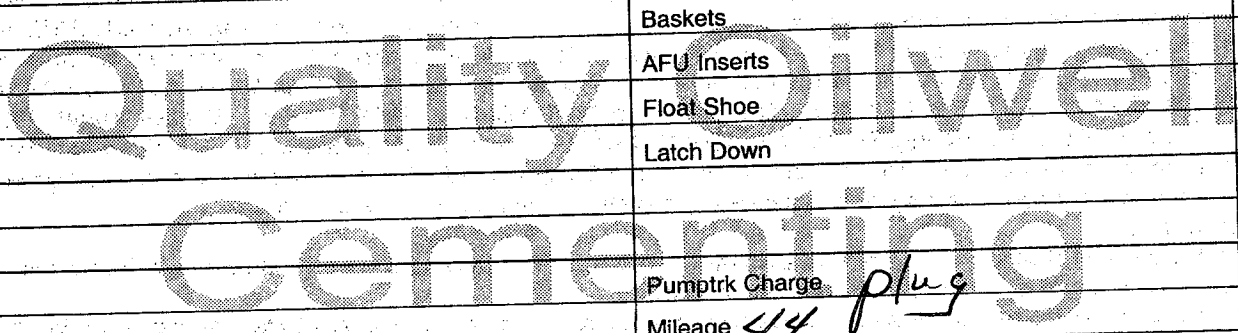
Lease	Well No.	Owner	
Taylor Tract A	1-32	To Quality Oilwell Cementing, Inc.	
Contractor		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Myer tin #16			
Type Job	T.D.	Charge To	
Rotary Plug	3350	Cobalt Energy	
Hole Size	Depth	Street	
7 7/8			
Csg.	Depth	City	
		State	
Tbg. Size	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
		Cement Amount Ordered 255 60/40 4/1.602 1/4 #10	
Tool	Depth		
Cement Left in Csg.	Shoe Joint		

Meas Line	Displace	Common
		153
EQUIPMENT		
Pumptrk	No.	Cement
16		Craig
		Helper
		Driver
		Brett
Bulktrk	No.	Driver
		Driver
		Tony
Bulktrk	No.	Driver
4		Driver
		Driver

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole	30SK	Flowseal 56#
Mouse Hole	15SK	Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
1st	333 312 50SK	Handling 264
2nd	1125 50SK	Mileage
3rd	600 100SK	
4th	40' 10SK	

FLOAT EQUIPMENT	
Guide Shoe	3 5/8 Dry xble Plug
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	plug
Mileage	44

Tax	
Discount	
Total Charge	
X Signature	





GEOLOGIST'S REPORT
DRILL TIME &
SAMPLE LOG

COMPANY: **COBALT ENERGY, LLC**
 LEASE: **Taylor Trust 'A' #1-32**
 FIELD: **Wildcat**
 LOCATION: **557' FSL & 881' FEL**
 COUNTY: **Rooks** STATE: **KS** RGE: **16W**
 CONTRACTOR: **Martin Drilling Co., Rig #16**
 SPUD: **01/20/17** COMP: **02/07/17**
 RTD: **3350'** LTD: **3349'**
 MUD UP: **2300'** TYPE MUD: **Chemical**
 SAMPLES SAVED FROM: **2400'** TO: **RTD**
 DRILLING TIME KEPT FROM: **2400'** TO: **RTD**
 SAMPLES EXAMINED FROM: **2400'** TO: **RTD**
 GEOLOGICAL SUPERVISION FROM: **2340'** TO: **RTD**
 GEOLOGIST ON WELL: **Corey N. Baker**
 FORMATION TOPS: **ELECTRIC LOG**
 ANHYDRITE: **1084 (+678)** SAMPLE: **1081 (+681)**
 BASE OF ANHYDRITE: **1116 (+646)** SAMPLE: **1115 (+647)**
 TOPEKA: **2672 (-910)** SAMPLE: **2674 (-912)**
 HEEBNER: **2890 (-1128)** SAMPLE: **2892 (-1130)**
 LANSING: **2934 (-1172)** SAMPLE: **2938 (-1174)**
 STARK: **3130 (-1368)** SAMPLE: **3188 (-1424)**
 BKC: **3186 (-1424)** SAMPLE: **3189 (-1424)**
 LTD: **3349 (-1587)** SAMPLE: **3350 (-1588)**

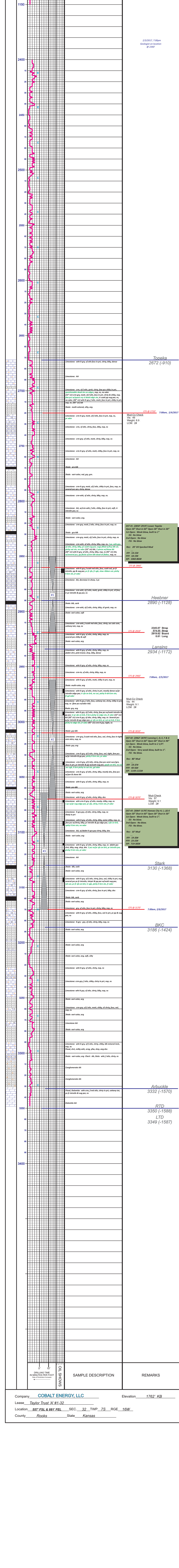
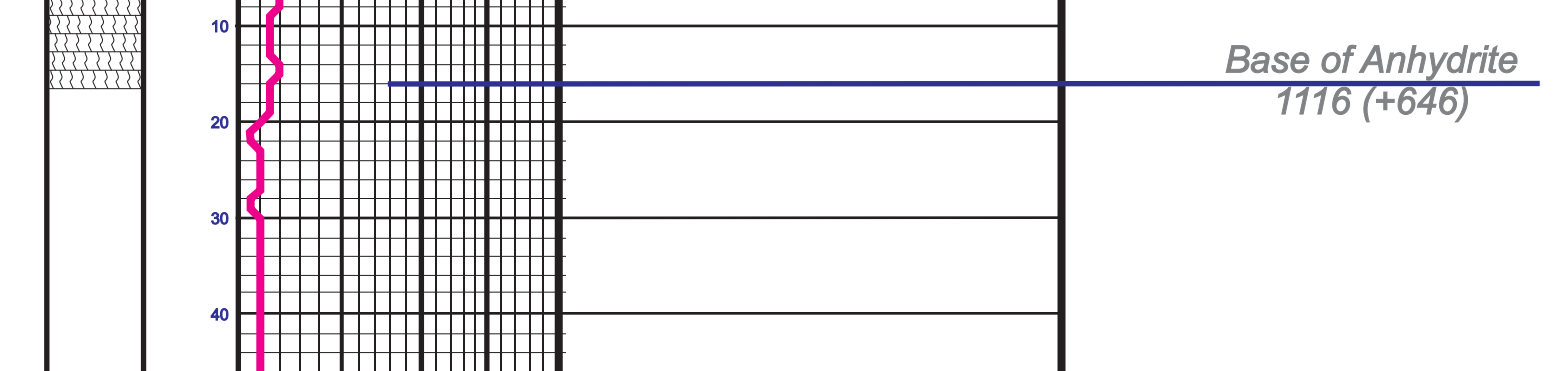
ELEVATIONS
 DF: _____
 GL: **1757'**
 Measurements Are All From **KB**
CASING
 Conductor: **NA**
 Surface: **8 5/8" @ 1088'**
 Production: **None**
ELECTRICAL SURVEY
 Dual Induction/Neutron-Density
 Microlog & Sonic
 Pressure Energy Services

REMARKS: Based on the negative results of the DST's and log review, the Taylor Trust 'A' #1-32 was plugged and abandoned as a dry hole.

Respectfully Submitted,
 Corey Baker
 Vice President - Exploration
 Cobalt Energy, LLC

API #15-163-24327-00-00

LEGEND



Company: **COBALT ENERGY, LLC** Elevation: **1762' KB**
 Lease: **Taylor Trust 'A' #1-32**
 Location: **557' FSL & 881' FEL** SEC. **32** TWP **7S** RGE **16W**
 County: **Rooks** State: **Kansas**