

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				

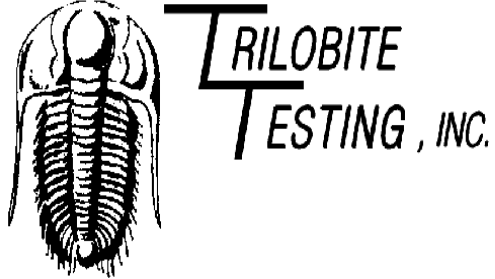
1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted 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)</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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DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Larry Nicholson

Wetzel Unit A #1-14

14-26S-21W Ford,KS

Start Date: 2019.05.24 @ 01:24:02

End Date: 2019.05.24 @ 10:01:55

Job Ticket #: 47651 DST #: 1

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

Printed: 2019.05.28 @ 13:44:07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

14-26S-21W Ford,KS

PO Box 8037
Wichita, KS 67208

Wetzel Unit A #1-14

ATTN: Larry Nicholson

Job Ticket: 47651

DST#: 1

Test Start: 2019.05.24 @ 01:24:02

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:10:15

Time Test Ended: 10:01:55

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 75

Interval: 4679.00 ft (KB) To 4742.00 ft (KB) (TVD)

Reference Elevations: 2271.00 ft (KB)

Total Depth: 4742.00 ft (KB) (TVD)

2267.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 4.00 ft

Serial #: 6672 Outside

Press@RunDepth: 53.17 psig @ 4681.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.05.24

End Date:

2019.05.24

Last Calib.: 1899.12.30

Start Time: 01:24:02

End Time:

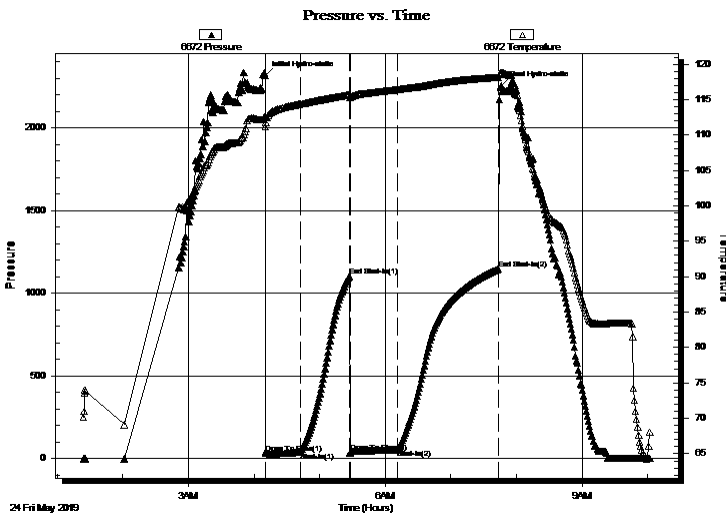
10:01:55

Time On Btm: 2019.05.24 @ 04:10:05

Time Off Btm: 2019.05.24 @ 07:45:55

TEST COMMENT: IF: BOB 4 min., strong building blow , 70.7"
IS: No blow back
FF: BOB ASAO, strong building blow , 111.8"
FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2316.07	112.59	Initial Hydro-static
1	31.12	111.15	Open To Flow (1)
33	38.62	114.41	Shut-In(1)
78	1106.32	115.68	End Shut-In(1)
78	35.29	115.31	Open To Flow (2)
122	53.17	116.40	Shut-In(2)
214	1147.69	118.14	End Shut-In(2)
216	2253.85	118.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	VGMCO 50%G,40%O,10%M	0.60
40.00	GSOCM 15%G,5%O,80%M	0.56
0.00	2142' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC

14-26S-21W Ford,KS

PO Box 8037
Wichita, KS 67208

Wetzel Unit A #1-14

ATTN: Larry Nicholson

Job Ticket: 47651

DST#: 1

Test Start: 2019.05.24 @ 01:24:02

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:10:15

Time Test Ended: 10:01:55

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 75

Interval: 4679.00 ft (KB) To 4742.00 ft (KB) (TVD)

Reference Elevations: 2271.00 ft (KB)

Total Depth: 4742.00 ft (KB) (TVD)

2267.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 4.00 ft

Serial #: 8289

Inside

Press@RunDepth: 1129.74 psig @ 4681.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.05.24

End Date:

2019.05.24

Last Calib.:

2019.05.24

Start Time: 01:24:02

End Time:

10:02:00

Time On Btm:

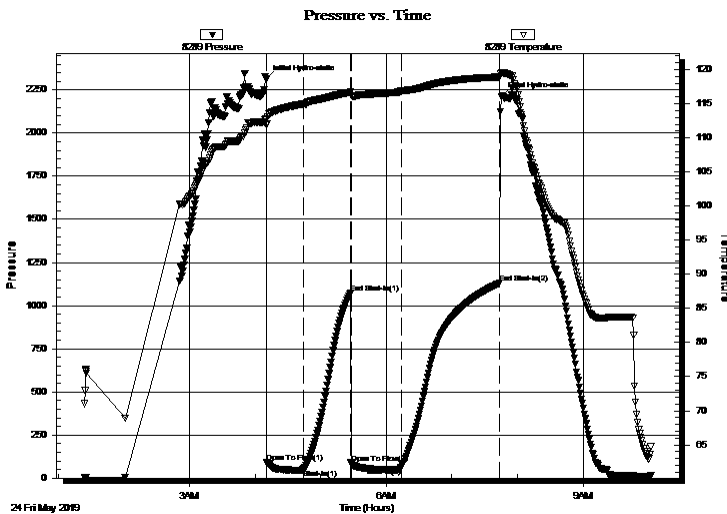
2019.05.24 @ 04:10:10

Time Off Btm:

2019.05.24 @ 07:45:15

TEST COMMENT: IF: BOB 4 min., strong building blow , 70.7"
IS: No blow back
FF: BOB ASAO, strong building blow , 111.8"
FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2313.01	112.76	Initial Hydro-static
1	89.54	111.89	Open To Flow (1)
35	51.52	114.82	Shut-In(1)
78	1072.50	116.68	End Shut-In(1)
78	83.36	116.15	Open To Flow (2)
124	61.10	116.91	Shut-In(2)
214	1129.74	118.91	End Shut-In(2)
216	2212.71	119.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	VGMCO 50%G,40%O,10%M	0.60
40.00	GSOCM 15%G,5%O,80%M	0.56
0.00	2142' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

14-26S-21W Ford,KS

PO Box 8037
Wichita, KS 67208

Wetzel Unit A #1-14

Job Ticket: 47651

DST#: 1

ATTN: Larry Nicholson

Test Start: 2019.05.24 @ 01:24:02

Tool Information

Drill Pipe:	Length: 4637.00 ft	Diameter: 3.80 inches	Volume: 65.04 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 65.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4679.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4657.00	
Hydraulic tool	5.00			4662.00	
Jars	5.00			4667.00	
Safety Joint	3.00			4670.00	
Packer	5.00			4675.00	27.00 Bottom Of Top Packer
Packer	4.00			4679.00	
Stubb	1.00			4680.00	
Perforations	1.00			4681.00	
Recorder	0.00	8289	Inside	4681.00	
Recorder	0.00	6672	Outside	4681.00	
Perforations	24.00			4705.00	
Change Over Sub	1.00			4706.00	
Drill Pipe	32.00			4738.00	
Change Over Sub	1.00			4739.00	
Bullnose	3.00			4742.00	63.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

14-26S-21W Ford,KS

PO Box 8037
Wichita, KS 67208

Wetzel Unit A #1-14

Job Ticket: 47651

DST#: 1

ATTN: Larry Nicholson

Test Start: 2019.05.24 @ 01:24:02

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	VGMCO 50%G,40%O,10%M	0.596
40.00	GSOCM 15%G,5%O,80%M	0.561
0.00	2142' GIP	0.000

Total Length: 102.00 ft

Total Volume: 1.157 bbl

Num Fluid Samples: 0

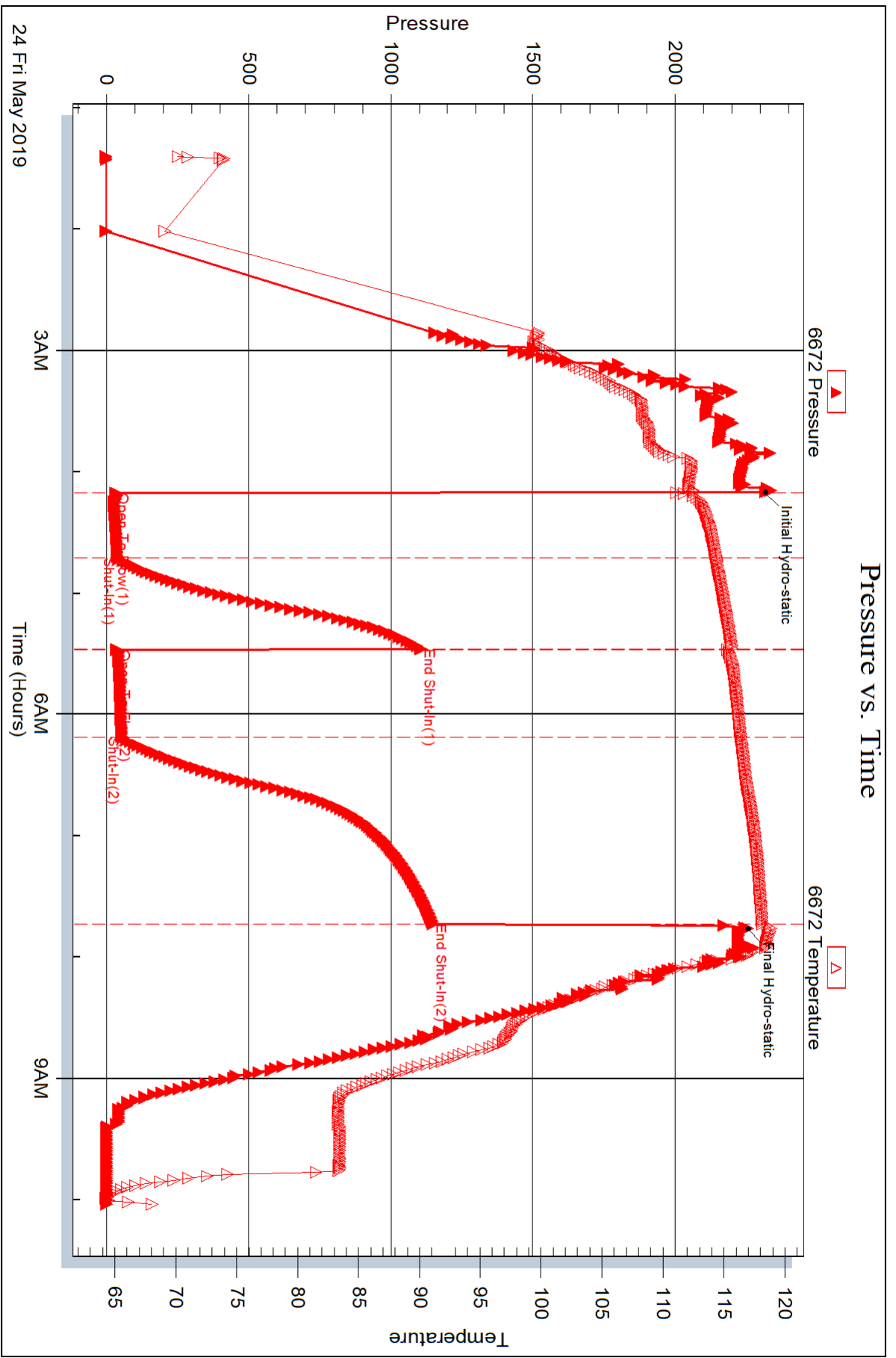
Num Gas Bombs: 0

Serial #:

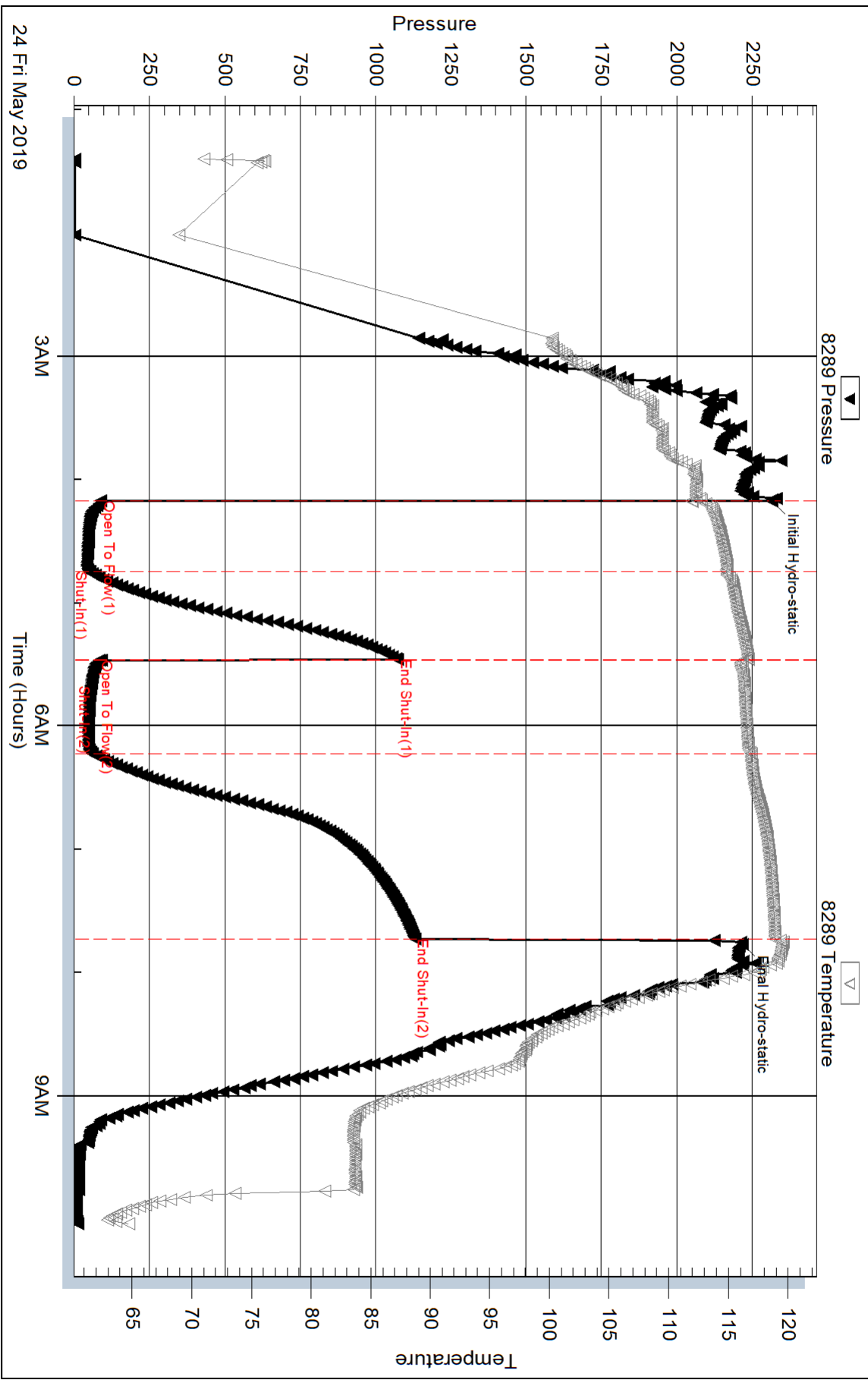
Laboratory Name:

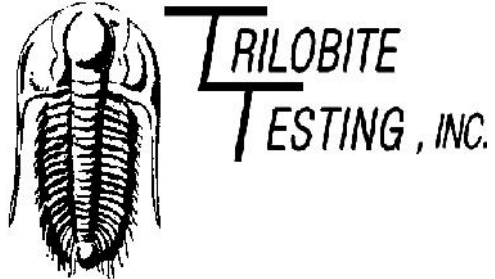
Laboratory Location:

Recovery Comments:



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Larry Nicholson

Wetzel Unit A #1-14

14-26S-21W Ford,KS

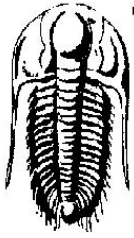
Start Date: 2019.05.25 @ 02:59:00

End Date: 2019.05.25 @ 11:45:04

Job Ticket #: 47652 DST #: 2

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

Printed: 2019.05.28 @ 12:03:06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC

14-26S-21W Ford,KS

PO Box 8037
Wichita, KS 67208

Wetzel Unit A #1-14

ATTN: Larry Nicholson

Job Ticket: 47652

DST#: 2

Test Start: 2019.05.25 @ 02:59:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:05:55

Time Test Ended: 11:45:04

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 75

Interval: 4782.00 ft (KB) To 4805.00 ft (KB) (TVD)

Total Depth: 4805.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2271.00 ft (KB)

2267.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 6672 Outside

Press@RunDepth: 334.17 psig @ 4784.00 ft (KB)

Start Date: 2019.05.25

End Date: 2019.05.25

Start Time: 02:59:02

End Time: 11:45:04

Capacity: 8000.00 psig

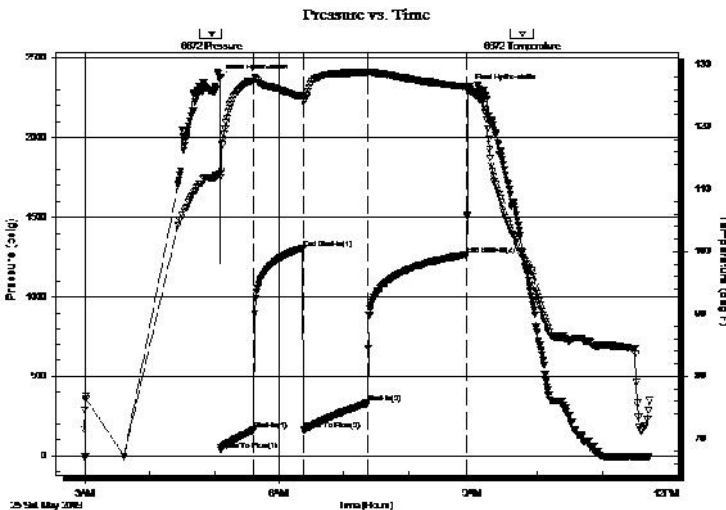
Last Calib.: 1899.12.30

Time On Btm: 2019.05.25 @ 05:05:25

Time Off Btm: 2019.05.25 @ 08:55:45

TEST COMMENT: IF: BOB 12 min., strong building blow , 25.2"
 IS: No blow back
 FF: BOB 20 min., strong building blow , 34.2"
 FS: No blow back

PRESSURE SUMMARY



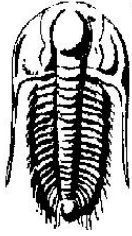
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2368.04	112.46	Initial Hydro-static
1	40.87	111.82	Open To Flow (1)
32	163.60	127.44	Shut-In(1)
78	1306.17	124.83	End Shut-In(1)
78	167.26	124.04	Open To Flow (2)
138	334.17	128.67	Shut-In(2)
230	1265.72	126.42	End Shut-In(2)
231	2307.90	126.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
567.00	GW 5%G, 95%W	7.68
126.00	MW w / oil spots 20%M, 80%W	1.77

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

14-26S-21W Ford,KS

PO Box 8037
Wichita, KS 67208

Wetzel Unit A #1-14

ATTN: Larry Nicholson

Job Ticket: 47652

DST#: 2

Test Start: 2019.05.25 @ 02:59:00

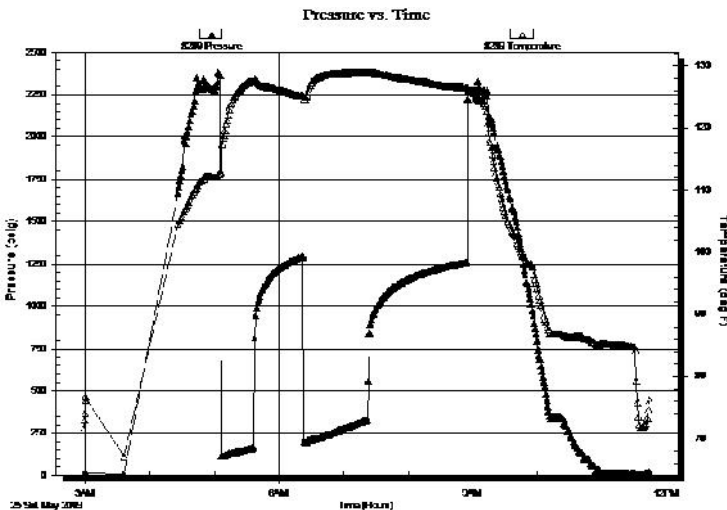
GENERAL INFORMATION:

Formation:	Miss.				
Deviated:	No	Whipstock:	ft (KB)	Test Type:	Conventional Bottom Hole (Initial)
Time Tool Opened:	05:05:55			Tester:	Chris Hagman
Time Test Ended:	11:45:04			Unit No:	75
Interval:	4782.00 ft (KB) To 4805.00 ft (KB) (TVD)			Reference Elevations:	2271.00 ft (KB)
Total Depth:	4805.00 ft (KB) (TVD)				2267.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Good	KB to GR/CF:	4.00 ft

Serial #: 8289	Inside				
Press@RunDepth:	psig @	4784.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2019.05.25	End Date:	2019.05.25	Last Calib.:	1899.12.30
Start Time:	02:59:02	End Time:	11:45:04	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF: BOB 12 min., strong building blow , 25.2"
IS: No blow back
FF: BOB 20 min., strong building blow , 34.2"
FS: No blow back

PRESSURE SUMMARY



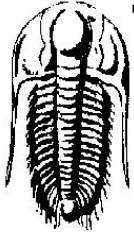
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
567.00	GW 5%G, 95%W	7.68
126.00	MW w / oil spots 20%M, 80%W	1.77

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

14-26S-21W Ford,KS

PO Box 8037
Wichita, KS 67208

Wetzel Unit A #1-14

Job Ticket: 47652

DST#: 2

ATTN: Larry Nicholson

Test Start: 2019.05.25 @ 02:59:00

Tool Information

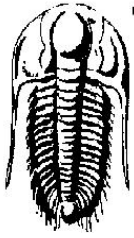
Drill Pipe:	Length: 4734.00 ft	Diameter: 3.80 inches	Volume: 66.41 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 74000.00 lb
		Total Volume: 66.56 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4782.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4760.00	
Hydraulic tool	5.00			4765.00	
Jars	5.00			4770.00	
Safety Joint	3.00			4773.00	
Packer	5.00			4778.00	27.00 Bottom Of Top Packer
Packer	4.00			4782.00	
Stubb	1.00			4783.00	
Perforations	1.00			4784.00	
Recorder	0.00	8289	Inside	4784.00	
Recorder	0.00	6672	Outside	4784.00	
Perforations	18.00			4802.00	
Bullnose	3.00			4805.00	23.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

14-26S-21W Ford,KS

PO Box 8037
Wichita, KS 67208

Wetzel Unit A #1-14

Job Ticket: 47652

DST#: 2

ATTN: Larry Nicholson

Test Start: 2019.05.25 @ 02:59:00

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:

51000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4950.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
567.00	GW 5%G, 95%W	7.680
126.00	MW w / oil spots 20%M, 80%W	1.767

Total Length: 693.00 ft Total Volume: 9.447 bbl

Num Fluid Samples: 0

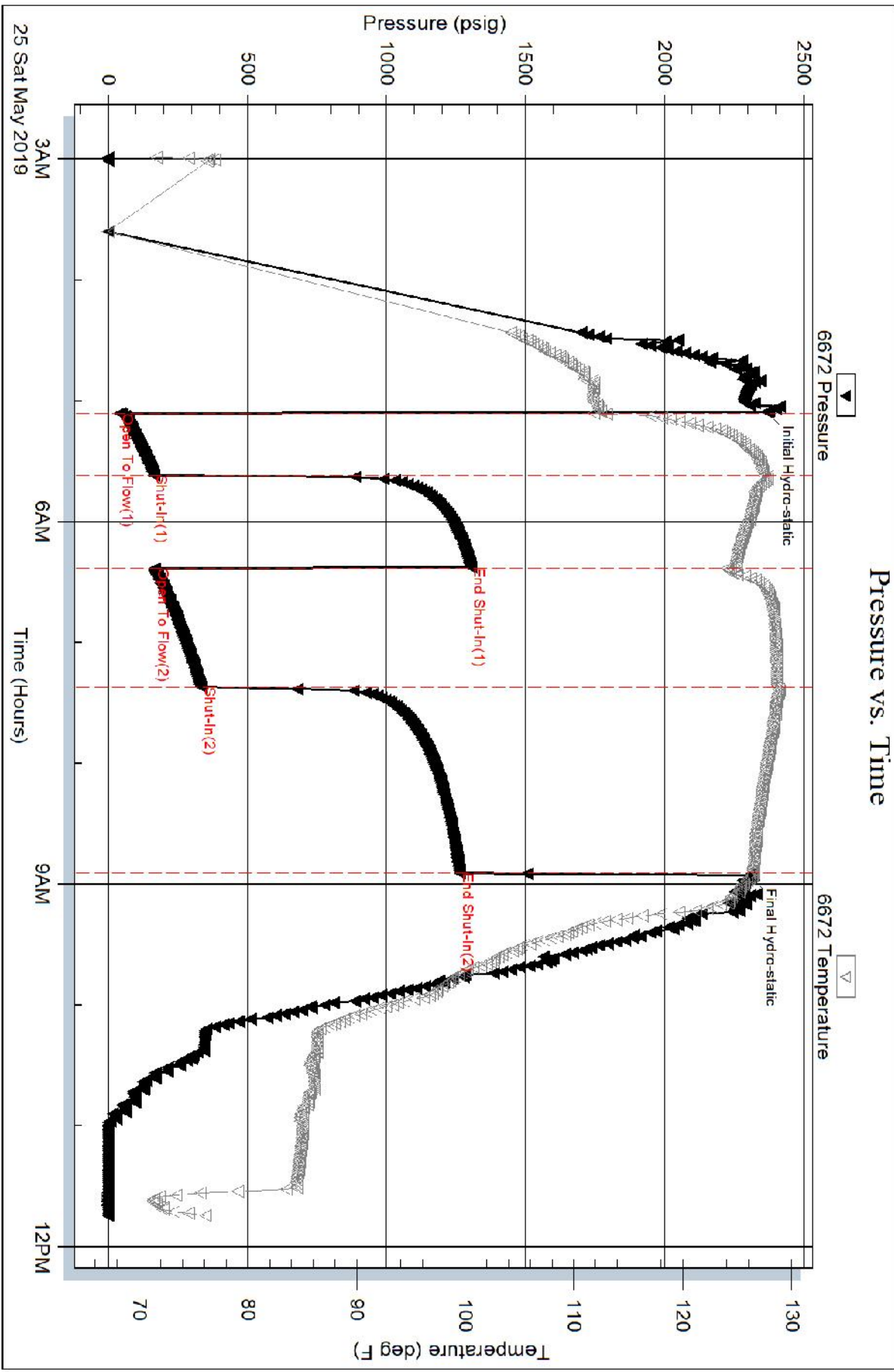
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.132@80F= 51,000ppm



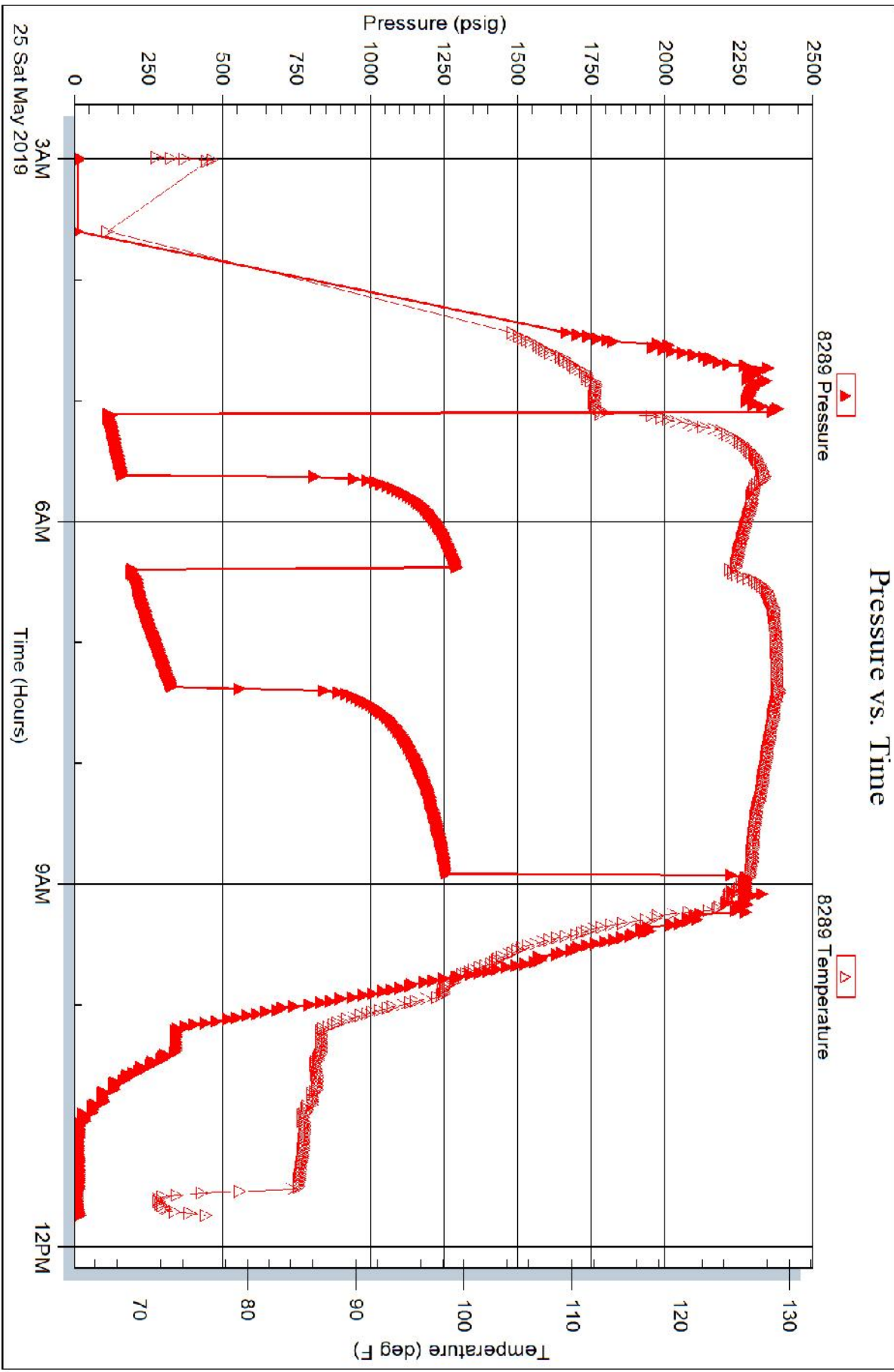
Serial #: 8289

Inside

Cobalt Energy LLC

Well Unit A #1-14

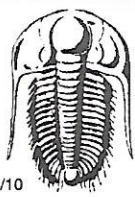
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 47652

Printed: 2019.05.28 @ 12:03:07



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47651

Well Name & No. Wetzel Unit A 1-14 Test No. 1 Date 5-24-19
 Company Cobalt Energy LLC Elevation 2271 KB 2267 GL
 Address 115 S Belmont #12 P.O. Box 8037 Wichita, KS 67208
 Co. Rep / Geo. Larry Nicholson Rig Pickrell #10
 Location: Sec. 14 Twp. 26S Rge. 21W Co. Ford State KS

Interval Tested 4679-4742 Zone Tested Cherokee
 Anchor Length 63' Drill Pipe Run 4637 Mud Wt. 9.2
 Top Packer Depth 4674 Drill Collars Run 30' Vis 52
 Bottom Packer Depth 4679 Wt. Pipe Run N.A. WL 7.2
 Total Depth 4742 Chlorides 5100 ppm System LCM 1#

Blow Description IF: BOB 4 min, strong building blow, 70.7 inches
ISZ: No blow back
FF: BOB ASAO, strong building blow, 111.8 inches
FSZ: No blow back

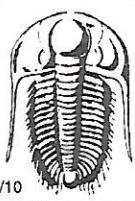
Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>gassy muddy oil</u>	<u>50%</u>	<u>40%</u>	<u>10%</u>	<u>10%</u>
<u>40</u>	<u>gassy oily mud</u>	<u>15%</u>	<u>5%</u>	<u>80%</u>	<u>80%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>2142' GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 102 BHT 119 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2313 Test conv. 1300 T-On Location 2300 (5-23-19)
 (B) First Initial Flow 90 Jars 250 T-Started 0130
 (C) First Final Flow 52 Safety Joint 75 T-Open 0410
 (D) Initial Shut-In 1073 Circ Sub _____ T-Pulled 0740
 (E) Second Initial Flow 83 Hourly Standby _____ T-Out 0930
 (F) Second Final Flow 61 Mileage 140 140 Comments batson @ 0124
 (G) Final Shut-In 1130 Sampler _____
 (H) Final Hydrostatic 2213 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1765
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1765

Approved By _____ Our Representative Chris Hagman

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47652

Well Name & No. Wetzel Unit A-14 Test No. 2 Date 05-25-19
 Company Cobalt Energy LLC Elevation 2271 KB 2267 GL
 Address P.O. Box 80317 Wichita, KS 67208
 Co. Rep / Geo. Larry Nicholson Rig Pickrell #10
 Location: Sec. 14 Twp. 26S Rge. 21W Co. Ford State KS

Interval Tested 4782-4805 Zone Tested Miss.
 Anchor Length 23' Drill Pipe Run 4734 Mud Wt. 9.2
 Top Packer Depth 4777 Drill Collars Run 30 Vis 48
 Bottom Packer Depth 4782 Wt. Pipe Run N.A. WL 9.2
 Total Depth 4805 Chlorides 4950 ppm System LCM 1#
 Blow Description IF: BOB 12 min., strong building blow, 25.2 inches
ISL: No blow back
FF: BOB 20 min., strong building blow, 34.2 inches
FSI: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>567</u>	<u>gassy water</u>			<u>95</u>	
<u>126</u>	<u>oil spotted muddy water</u>		<u>spot</u>	<u>80</u>	<u>20</u>

Rec Total 693 BHT 128 Gravity _____ API RW .132 @ 80 °F Chlorides 51,000 ppm
 (A) Initial Hydrostatic 2368 Test conv. 1300 T-On Location 0230
 (B) First Initial Flow 41 Jars 250 T-Started 0300
 (C) First Final Flow 164 Safety Joint 75 T-Open 0505
 (D) Initial Shut-In 1306 Circ Sub _____ T-Pulled 0850
 (E) Second Initial Flow 167 Hourly Standby _____ T-Out 1130
 (F) Second Final Flow 334 Mileage 140 (Patt) 140 Comments knits on @ 0259
 (G) Final Shut-In 1266 Sampler _____
 (H) Final Hydrostatic 2308 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 60 Day Standby _____ Total 1765
 Final Shut-In 90 Accessibility _____ MP/DST Disc't _____
 Sub Total 1765

Approved By _____ Our Representative Chris Hagan

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.

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. 1291

Date	5-26-19	Sec.	14	Twp.	26	Range	21	County	Ford	State	Ks	On Location		Finish	1:30 PM
------	---------	------	----	------	----	-------	----	--------	------	-------	----	-------------	--	--------	---------

Location *Oferle - East side 4 1/2 S, 1/2 E, 35, 3 W to*

Lease *Wetzel unit "A"* Well No. *1-14* Owner *Rd 134, 1/4 N, Elinto*

Contractor *Pickcell #10*
Type Job *Plug*
Hole Size *7 7/8"* T.D. *4895'*
Csg. _____ Depth _____ Street _____
Tbg. Size *4 1/2" D.P.* Depth *1380'* City _____ State _____

Charge To *Cobalt Energy*

Tool _____ Depth _____

Cement Left in Csg. _____ Shoe Joint _____

Meas Line _____ Displace *H2O* Cement Amount Ordered *200 Sx 60/40 4% Gel 1/4 # Fl Seal*

EQUIPMENT

Pumptrk	17	No.	Cementer	David	Common	120
			Helper		Poz. Mix	80
Bulktrk	15	No.	Driver	Doug	Gel.	7
			Driver		Calcium	
Bulktrk	P.U.	No.	Driver	Rick	Hulls	
			Driver		Salt	

JOB SERVICES & REMARKS

Remarks: *1380' - 50 Sx*
Rat Hole *670' - 50 Sx*
Mouse Hole *360' - 50 Sx*
Centralizers *60' - 20 Sx*
Baskets *Rathole w/ 30 Sx*
DV or Port Collar _____
Cement did Circulate
Handling *207*
Mileage _____

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge *plug*
Mileage *66*

Signature *Doug Buey*
Tax _____
Discount _____
Total Charge _____

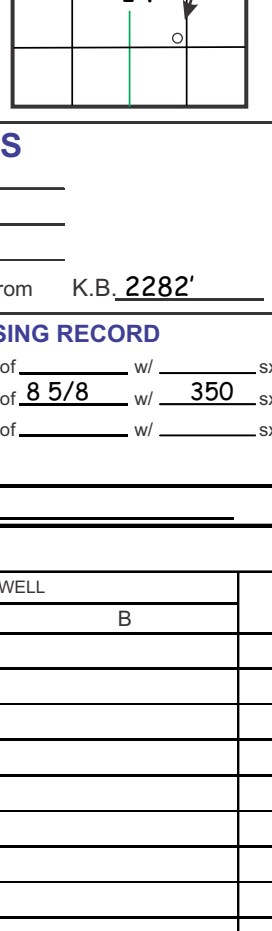
Thanks

GEOLOGICAL REPORT FINAL

Larry A. Nicholson

NAD 83
37.78469144
99.59218068

COMPANY Cobalt Energy LLC		FIELD Wella	
API # 15-057-21009		WELL # #1-14	
LEASE Wetzel Unit A			
LOCATION NE NE NW SW			
SURVEY 2389' FSL 1268' FWL			
SECTION 14		TWP 26S	
COUNTY Ford		STATE Kansas	
CONTRACTOR Pickrel Drilling		Rig # 1	
SPUD 05-15-19 11:00 pm		COMP. K.B. 2282	
RTD 4895' 09:50 pm 05-25-19		LTD 4898'	
MUD UP AT 3600'		D.F.	
MUD TYPE Chemical MudCo Justin Whiting		G.L. 2275'	
SAMPLES SAVED		ALL MEASUREMENTS FROM K.B. 2282'	
DRILLING TIME		CASING RECORD	
SAMPLES EXAMINED		Conductor 371' of 8 5/8" wf 350' sk	
GEOLOGICAL SUPERVISION		Production	
WELL SITE GEOLOGIST LARRY A. NICHOLSON			



ELECTRICAL SURVEYS & STRUCTURAL POSITION

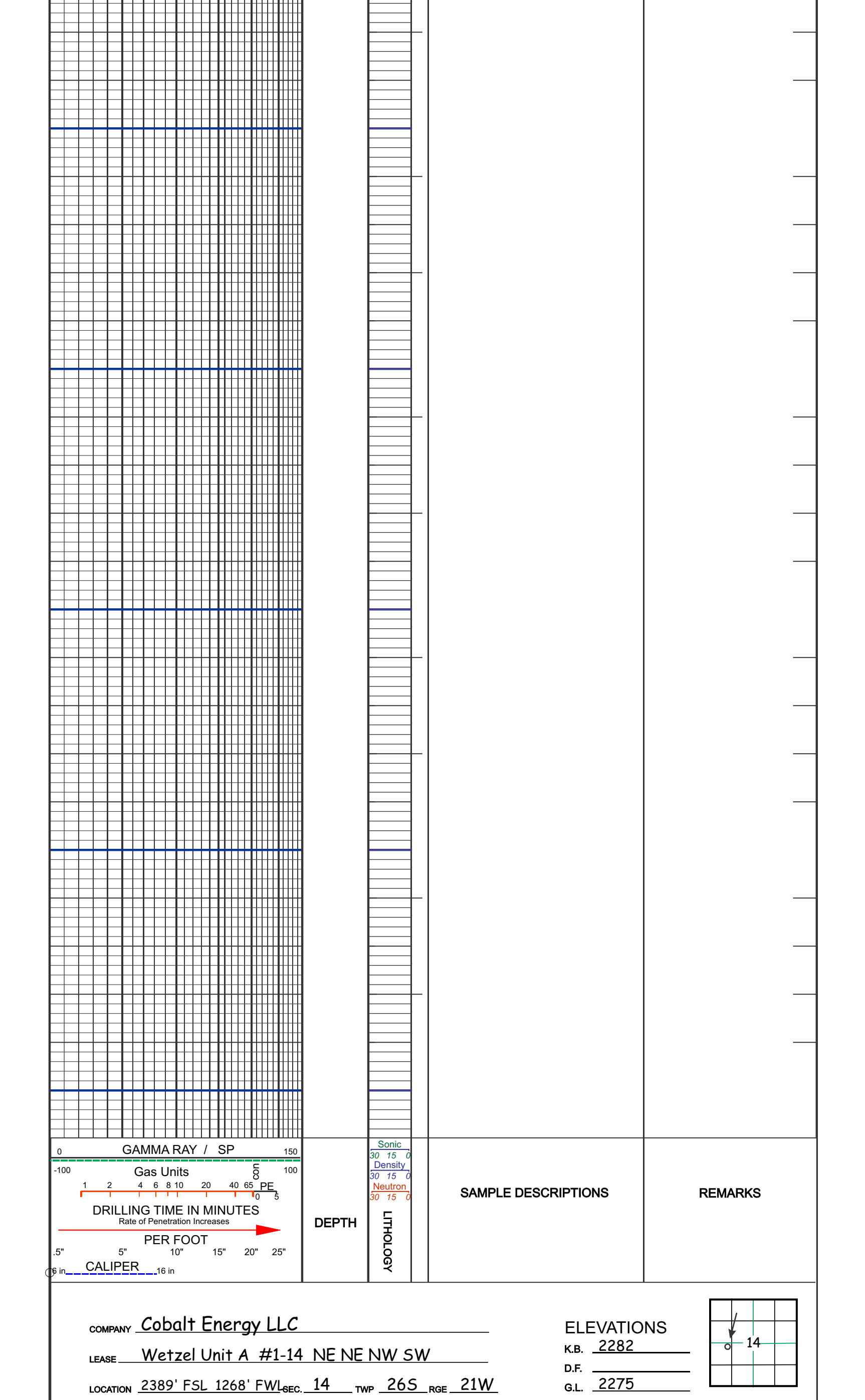
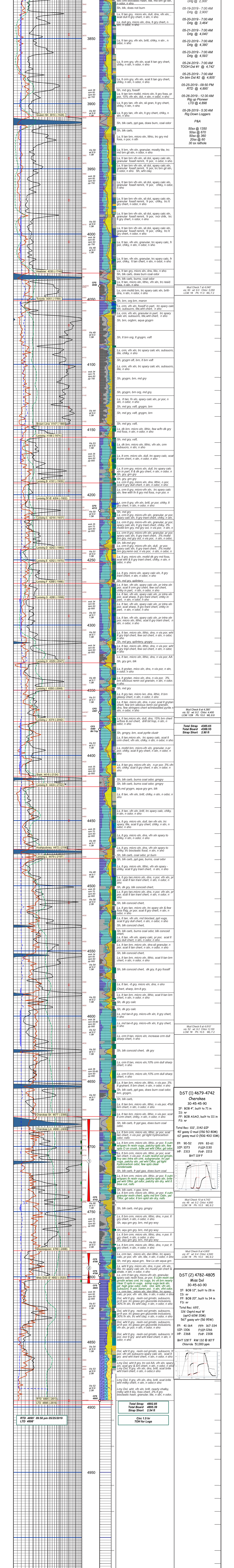
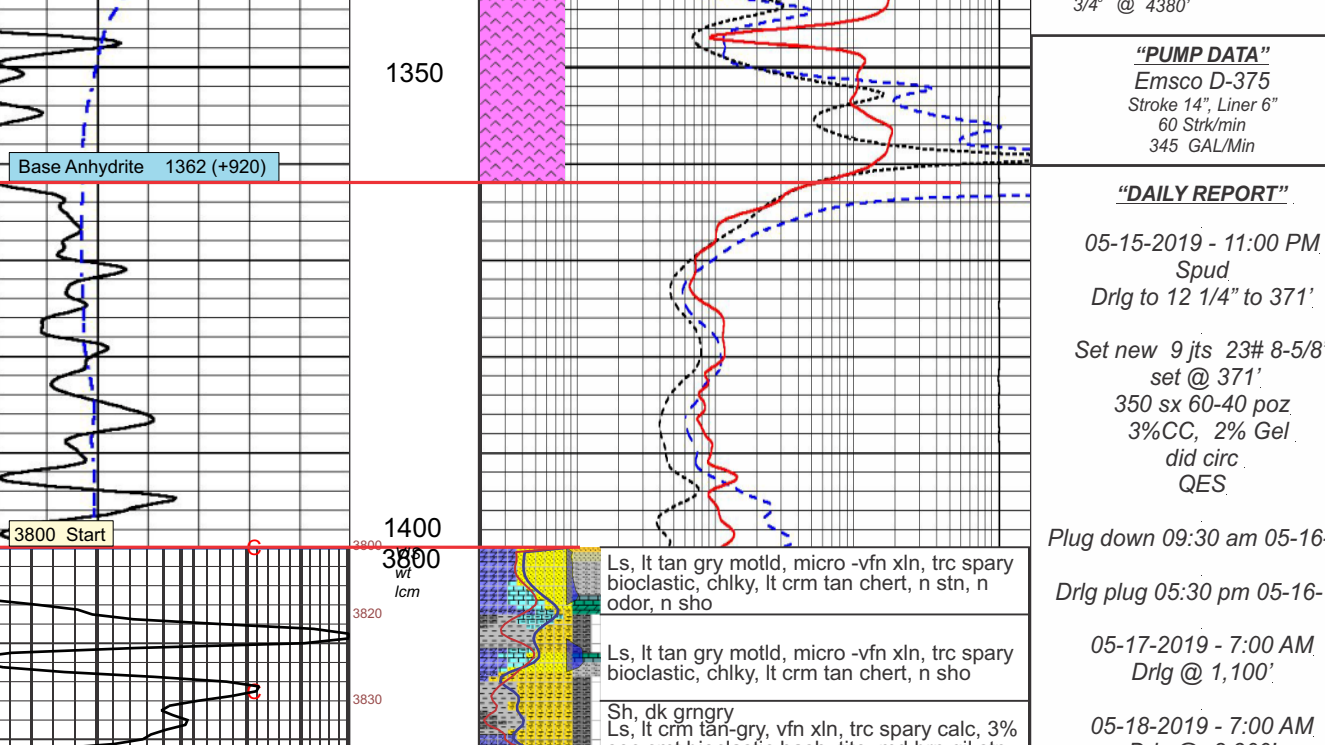
FORMATION	SAMPLE TOPS	SURSEA DATUM	ELEC LOG TOPS	SURSEA DATUM	REFERENCE WELL
Anhydrite	1340 +942	1340	+942		A
Base	1362 +920	1362	+920		B
Hobbs	4030 -1748	4030	-1748		
Toronto	4050 -1768	4051	-1769		
Brown Lime	4148 -1865	4147	-1865		
Shark	4472 -2190	4472	-2190		
Hushpuckney	4472 -2190	4472	-2190		
Cherokee Sh	4686 -2404	4677	-2395		
Cherokee Lm	4695 -2413	4688	-2406		
Mississippian	4777 -2495	4780	-2498		
Miss Dolo Q	4800 -2518	4802	-2520		
RTD	4895 -2613	4898	-2613		
LTD	4898 -2616	4898	-2616		

LAN 792, Modified 5/05, 11/11, 4/12, 4/18 1inch=25.4mm 8.5 x 9.75 216 mm x 2460 mm

DRILLSTEM TEST SUMMARY:

Dst #1 4679-4742 (Cherokee) 30 45 45 90 IF 90-52 FF 83-61 SI 1073-1130 Rec Total Fluid 1027, 2142 GI 40' Gassy Oily M (15G 80 BM) 62' Gassy Muddy O (5G 40 10M) IF BOB 4min, 70' nr FF BOB ASAO, 111' nr	Dst #2 4782-4805 (Miss Dolo) 30 45 60 90 IF 41-164 Rec Total Fluid 695' 120' Gassy M (Wtsgcd 80W 20M) IF BOB 12min 25', nr FF BOB 20min 34', nr	REMARKS & RECOMMENDATIONS: Due to lack of reservoir in the Cherokee, and structurally low development of the Miss Dolo, the well was P&A
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LEGEND



COMPANY Cobalt Energy LLC		ELEVATIONS	
LEASE Wetzel Unit A #1-14 NE NE NW SW		K.B. 2282	
LOCATION 2389' FSL 1268' FWL SEC. 14		D.F.	
COUNTY Ford		STATE Kansas	
TWP 26S		ALL MEASUREMENTS FROM K.B. 2282'	
RTD 4895' 09:50 pm 05/25/2019			
LTD 4898'			

TREATMENT REPORT

Customer: **Robat Energy LLC** Lease No.: **1-14** Lease Unit: **A**
 Station: **1735** Station Part: **2-H2 8 5/8 SURFACE**
 Field Order #: **1735** Casing: **8 5/8** Depth: **371** County: **COLO** State: **KS**
 Date: **5-16-19** Formation: **14-265-21w**

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	8 5/8	Tubing Size		Acid	350 SKS (440 POZ)	RATE	ISIP
Depth	371	From	To	Pre Pad	3% CC	Max	5 Min.
Volume	23.6	From	To	Pad	.25 FPS C.P.	Min	10 Min.
Max Press	300	From	To	Frac		Avg	15 Min.
Well Connection	Annulus Vol.	From	To	HHP Used		Annulus Pressure	
Plug Depth	351	From	To	Flush	22.3	Gas Volume	Total Load

Customer Representative: **NICH HESS** Station Manager: **Wes Stearns** Treater: **MATTI**
 Service Units: **83353** Driver: **MATTM** Names: **MATTM**
 84981 209w 70999 21010

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:30					ON LOCATION / START MORTARING
7:50					RUN 8 5/8 23# CSNG
8:00					CSNG ON BOTTOM
8:25	50	3	3		HOOK TO CSNG / BREAK W/ RIG
8:25	100	75	5		PUMP 3 6bl water
8:50	150	-	3		MIX 350 SKS 60/40 POZ
8:50	150	-	3		PROP PLUG
8:55	150	-	3		START DISPLACEMENT
9:00	150	-	22.3		PLUG DOWN / SHUT IN WELL
					CEMENT TO SURFACE
					JOB COMPLETE
					THANK YOU!
					MIKE MATTI
					EDUARDO + MIKE