

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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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

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

No. 2909

Date	7-1-22	Sec.	7	Twp.	7	Range	18	County	Rooks	State	Ks	On Location		Finish	1:30 AM
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Lease	Larry	Well No.	1-7	Location	Stockton - 2N to H Rd, SW to 132d, 1/25 E/into										
Contractor	Murfin	#	16	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.										
Type Job	plug	Charge To	Cobalt Energy												
Hole Size	7 7/8"	T.D.	3520'	Street											
Csg.		Depth		City	State										
Tbg. Size	4 1/2" D.P.	Depth	1525'	The above was done to satisfaction and supervision of owner agent or contractor.											
Tool		Depth		Cement Amount Ordered	255 sx 60/40 4% Gel 1/4#										
Cement Left in Csg.		Shoe Joint		Meas Line	Displace H20 Flo-seal										

EQUIPMENT

Pumptrk	16	No.	Cementer	David	Common	153
			Helper		Poz. Mix	102
Bulktrk	1	No.	Driver	Tom	Gel.	9
			Driver		Calcium	
Bulktrk	1	No.	Driver	Rick	Hulls	
			Driver		Salt	

JOB SERVICES & REMARKS

Remarks:	50 @ 1525'	Flowseal	50#
Rat Hole	100 @ 900'	Kol-Seal	
Mouse Hole	50 @ 275'	Mud CLR 48	
Centralizers	10 @ 40' w/ plug	CFL-117 or CD110 CAF 38	
Baskets	Rathole w/ 30	Sand	
D/V or Port Collar	mousehole w/ 15	Handling	264
	Cement did Circulate	Mileage	

FLOAT EQUIPMENT

Guide Shoe	Dry hole plug
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	plug	Tax	
Mileage	46	Discount	
Signature	[Signature]	Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

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

No. 2867

Date	6-24-22	Sec.	7	Twp.	07	Range	18W	County	ROOKS	State	KS	On Location		Finish	3:00pm
------	---------	------	---	------	----	-------	-----	--------	-------	-------	----	-------------	--	--------	--------

Location Stockton 2N SW 1/4

Lease	LARRY	Well No.	1-7	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	MURFIN #16				
Type Job	SURFACE				
Hole Size	12 1/2	T.D.	220	Charge To	Cobalt Eng, LLC
Csg.	8 1/2	Depth		Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	1 S	Shoe Joint		Cement Amount Ordered	1500 80/20 3-2
Meas Line		Displace	13		

EQUIPMENT

Pumptrk	17	No.	Cementer	Bill	Common	120
			Helper		Poz. Mix	30
Bulktrk		No.	Driver	NICK	Del.	3
			Driver		Calcium	6
Bulktrk		No.	Driver			
			Driver			

JOB SERVICES & REMARKS

Remarks:		Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
5 Jt 8 1/2 set @		Sand	
cent w/ 1500		Handling	159
pump plug w/ 13 bbls		Mileage	
cent did circ			

FLOAT EQUIPMENT

		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	

Pumptrk Charge	Surface
Mileage	46

X Signature [Signature]

Thanks

Tax	
Discount	
Total Charge	



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

125 N Market ST
Suite 1725
Wichita KS 67202

ATTN: Cameron Brin

Larry #1-7

7-7s-18w Rooks,KS

Start Date: 2022.06.28 @ 02:50:00

End Date: 2022.06.28 @ 08:34:32

Job Ticket #: 69059 DST #: 1

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

Printed: 2022.07.01 @ 10:24:47



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

7-7s-18w Rooks,KS

125 N Market ST
Suite 1725
Wichita KS 67202
ATTN: Cameron Brin

Larry #1-7

Job Ticket: 69059

DST#: 1

Test Start: 2022.06.28 @ 02:50:00

GENERAL INFORMATION:

Formation: **LKC A-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:22:57

Time Test Ended: 08:34:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: 3186.00 ft (KB) To 3253.00 ft (KB) (TVD)

Reference Elevations: 1987.00 ft (KB)

Total Depth: 3253.00 ft (KB) (TVD)

1982.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8875

Inside

Press@RunDepth: 29.28 psig @ 3190.00 ft (KB)

Capacity: psig

Start Date: 2022.06.28

End Date:

2022.06.28

Last Calib.:

2022.06.28

Start Time: 02:50:01

End Time:

08:34:32

Time On Btm:

2022.06.28 @ 05:22:47

Time Off Btm:

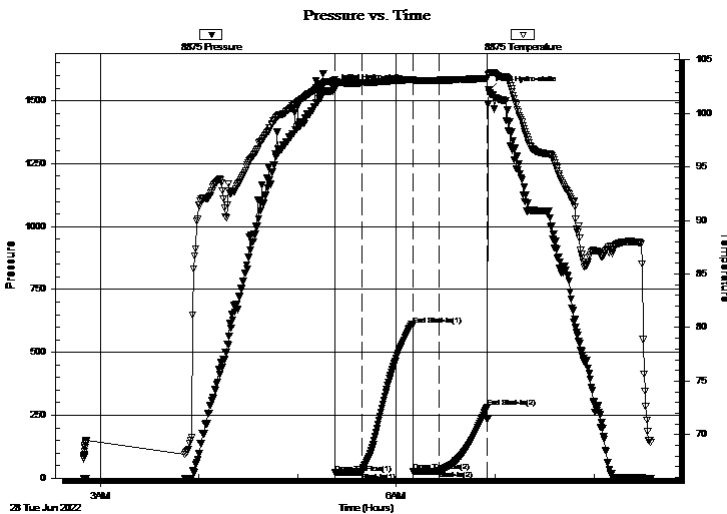
2022.06.28 @ 06:56:07

TEST COMMENT: 15-IF-Surface to 1/2" Died @ 15 mins

30-ISI-No Return

15-FF-No Blow

30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1548.03	103.17	Initial Hydro-static
1	21.01	102.80	Open To Flow (1)
17	24.72	102.87	Shut-In(1)
48	608.52	103.14	End Shut-In(1)
48	25.97	103.10	Open To Flow (2)
63	29.28	103.11	Shut-In(2)
93	281.12	103.30	End Shut-In(2)
94	1541.19	103.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100%M	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

7-7s-18w Rooks,KS

125 N Market ST
Suite 1725
Wichita KS 67202
ATTN: Cameron Brin

Larry #1-7

Job Ticket: 69059

DST#: 1

Test Start: 2022.06.28 @ 02:50:00

Tool Information

Drill Pipe:	Length: 3145.00 ft	Diameter: 3.82 inches	Volume: 44.58 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	54000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	52000.00 daN
Depth to Top Packer:	3186.00 ft			Final	52000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	67.00 ft				
Tool Length:	99.00 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			3155.00	
Shut In Tool	5.00			3160.00	
Hydraulic tool	5.00			3165.00	
Jars	5.00			3170.00	
Gap Sub	4.00			3174.00	
Safety Joint	3.00			3177.00	
Packer	5.00			3182.00	32.00 Bottom Of Top Packer
Packer	4.00			3186.00	
Stubb	1.00			3187.00	
Perforations	2.00			3189.00	
Change Over Sub	1.00			3190.00	
Recorder	0.00	6838	Inside	3190.00	
Recorder	0.00	8875	Inside	3190.00	
Drill Pipe	63.00			3253.00	67.00 Bottom Packers & Anchor

Total Tool Length: 99.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

7-7s-18w Rooks,KS

125 N Market ST
Suite 1725
Wichita KS 67202
ATTN: Cameron Brin

Larry #1-7

Job Ticket: 69059

DST#: 1

Test Start: 2022.06.28 @ 02:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 5.39 in³

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 100%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

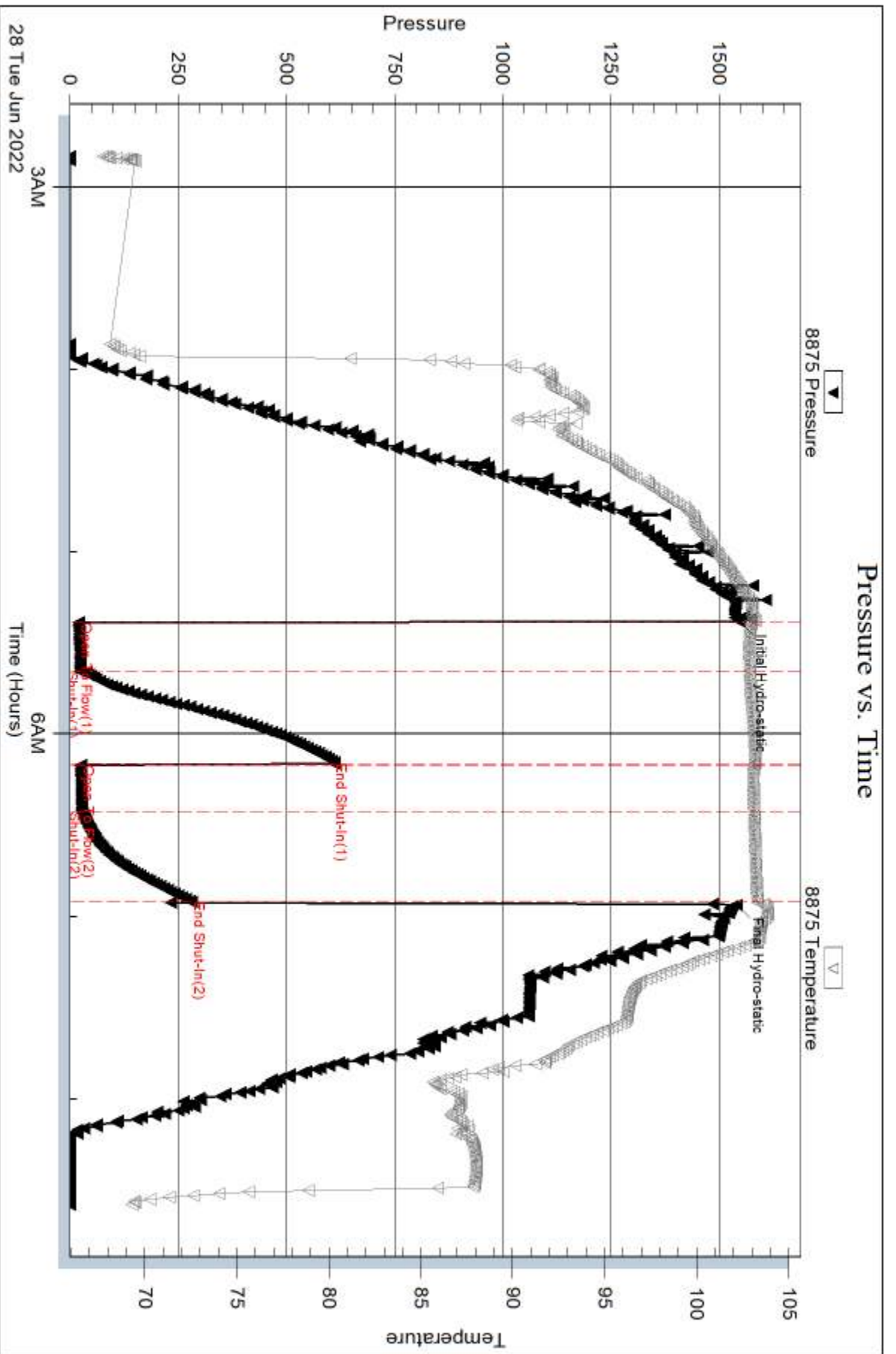
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM



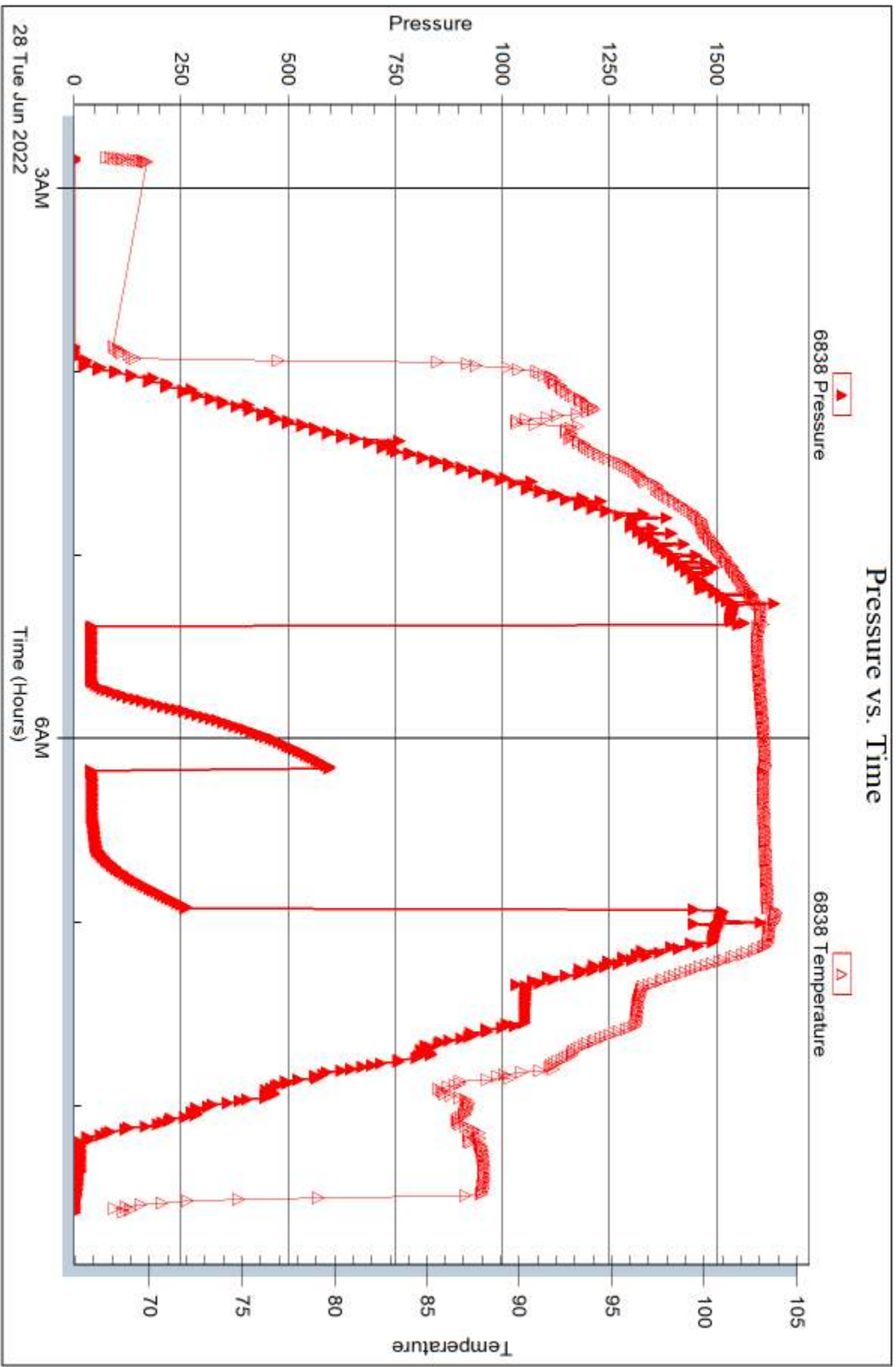
Serial #: 6838

Inside

Cobalt Energy LLC

Larry #1-7

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

125 N Market ST
Suite 1725
Wichita KS 67202

ATTN: Cameron Brin

Larry #1-7

7-7s-18w Rooks,KS

Start Date: 2022.06.28 @ 19:45:00

End Date: 2022.06.29 @ 03:34:07

Job Ticket #: 69060 DST #: 2

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

Printed: 2022.07.01 @ 10:21:31



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

7-7s-18w Rooks,KS

125 N Market ST
Suite 1725
Wichita KS 67202
ATTN: Cameron Brin

Larry #1-7

Job Ticket: 69060

DST#: 2

Test Start: 2022.06.28 @ 19:45:00

GENERAL INFORMATION:

Formation: **LKC D-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:20:22

Time Test Ended: 03:34:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 3247.00 ft (KB) To 3320.00 ft (KB) (TVD)

Reference Elevations: 1987.00 ft (KB)

Total Depth: 3320.00 ft (KB) (TVD)

1982.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8875

Inside

Press@RunDepth: 106.60 psig @ 3251.00 ft (KB)

Capacity: psig

Start Date: 2022.06.28

End Date:

2022.06.29

Last Calib.:

2022.06.29

Start Time: 19:45:01

End Time:

03:34:07

Time On Btm:

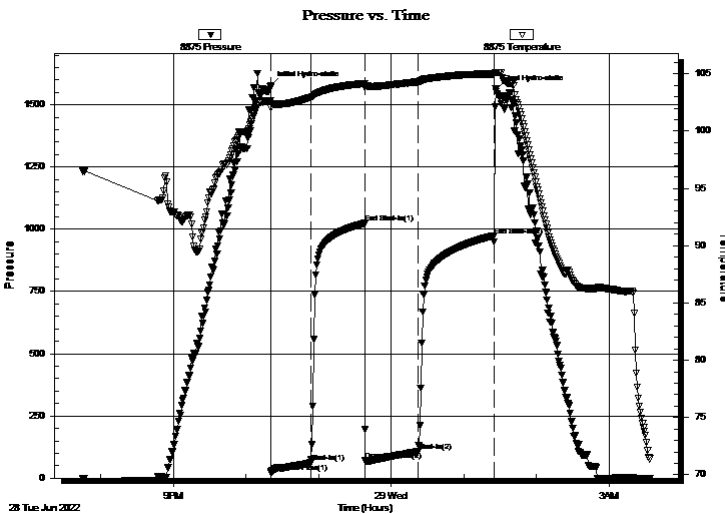
2022.06.28 @ 22:20:17

Time Off Btm:

2022.06.29 @ 01:26:17

TEST COMMENT: 30-IF-Surface to 10.5"
45-ISI-Weak Surface Died @ 10 mins
45-FF-Surface to 7.5"
60-FSI-Very Weak Surface Died @ 5 mins

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1576.89	102.66	Initial Hydro-static
1	22.96	102.01	Open To Flow (1)
33	61.83	102.93	Shut-In(1)
78	1024.10	104.12	End Shut-In(1)
79	69.95	103.89	Open To Flow (2)
122	106.60	104.30	Shut-In(2)
185	974.46	104.99	End Shut-In(2)
186	1562.77	105.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	SMCW 5%M 95%W	1.42
30.00	OCM 10%O 90%M	0.43
60.00	GO 5%G 95%O	0.85
0.00	100 GIP 100%G	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

7-7s-18w Rooks,KS

125 N Market ST
Suite 1725
Wichita KS 67202
ATTN: Cameron Brin

Larry #1-7

Job Ticket: 69060

DST#: 2

Test Start: 2022.06.28 @ 19:45:00

Tool Information

Drill Pipe:	Length: 3207.00 ft	Diameter: 3.82 inches	Volume: 45.46 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	55000.00 daN
		Total Volume: - bbl		Tool Chased	ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	52000.00 daN
Depth to Top Packer:	3247.00 ft			Final	54000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	73.00 ft				
Tool Length:	105.00 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			3216.00	
Shut In Tool	5.00			3221.00	
Hydraulic tool	5.00			3226.00	
Jars	5.00			3231.00	
Gap Sub	4.00			3235.00	
Safety Joint	3.00			3238.00	
Packer	5.00			3243.00	32.00 Bottom Of Top Packer
Packer	4.00			3247.00	
Stubb	1.00			3248.00	
Perforations	2.00			3250.00	
Change Over Sub	1.00			3251.00	
Recorder	0.00	6838	Inside	3251.00	
Recorder	0.00	8875	Inside	3251.00	
Drill Pipe	63.00			3314.00	
Change Over Sub	1.00			3315.00	
Perforations	2.00			3317.00	
Bullnose	3.00			3320.00	73.00 Bottom Packers & Anchor
Total Tool Length:	105.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

7-7s-18w Rooks,KS

125 N Market ST
Suite 1725
Wichita KS 67202
ATTN: Cameron Brin

Larry #1-7

Job Ticket: 69060

DST#: 2

Test Start: 2022.06.28 @ 19:45:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 5.39 in³
Resistivity: ohm.m
Salinity: 800.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 33 deg API
Water Salinity: 59000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	SMCW 5%M 95%W	1.423
30.00	OCM 10%O 90%M	0.425
60.00	GO 5%G 95%O	0.851
0.00	100 GIP 100%G	0.000

Total Length: 210.00 ft Total Volume: 2.699 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

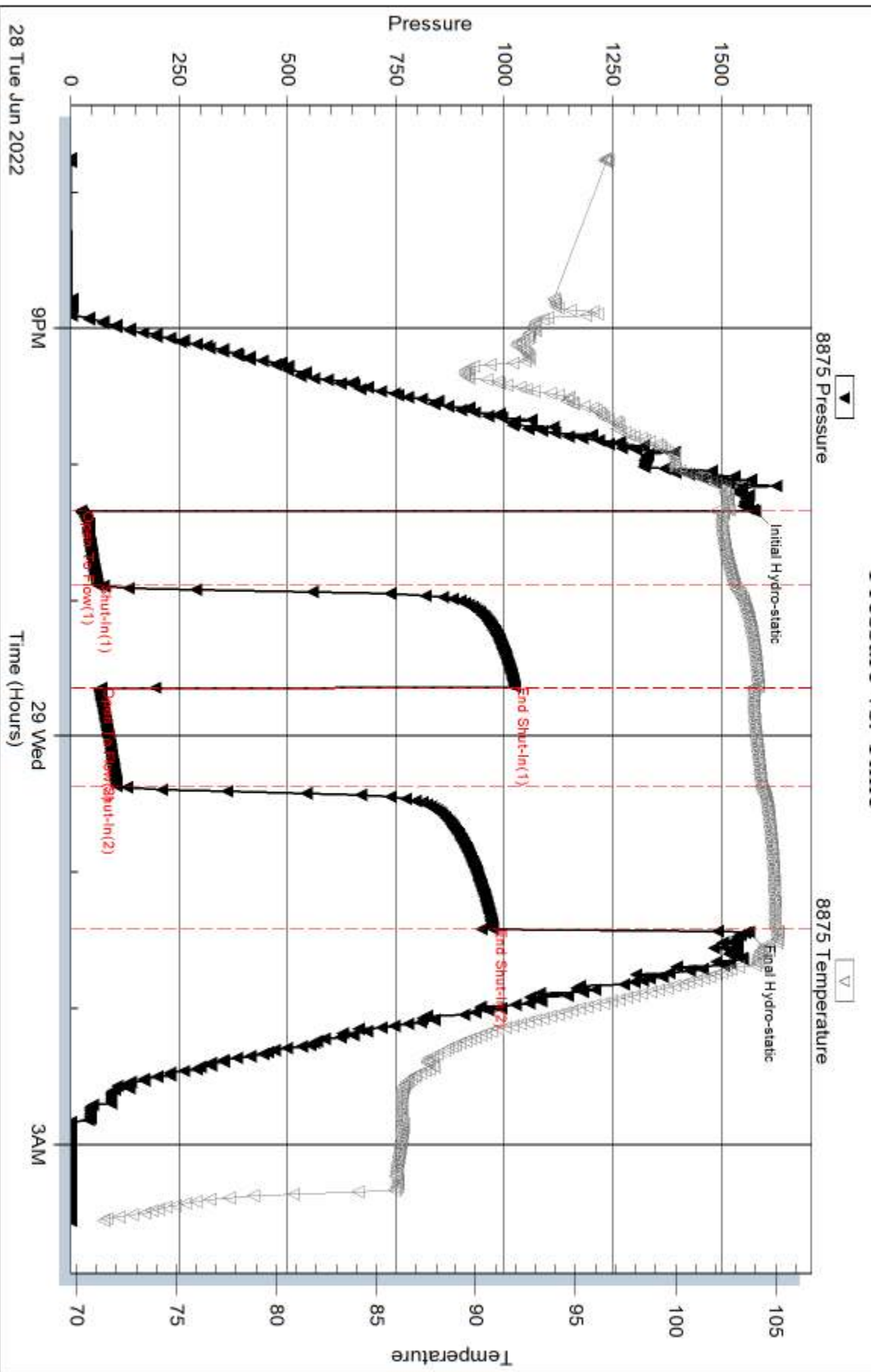
Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

RW=.141@67F

Pressure vs. Time



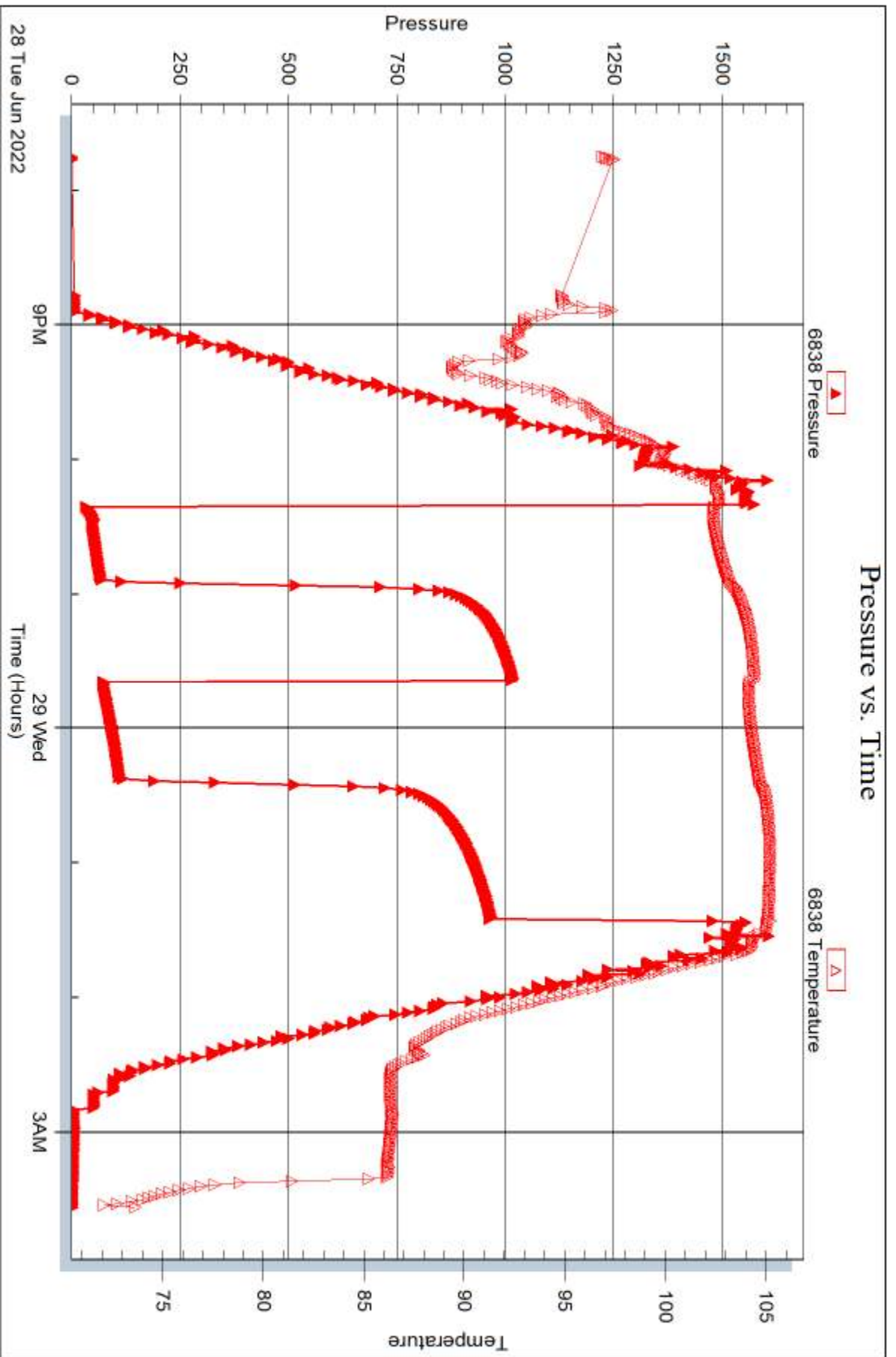
Serial #: 6838

Inside

Cobalt Energy LLC

Larry #1-7

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 69060

Printed: 2022.07.01 @ 10:21:32



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

125 N Market ST
Suite 1725
Wichita KS 67202

ATTN: Cameron Brin

Larry #1-7

7-7s-18w Rooks,KS

Start Date: 2022.06.29 @ 16:30:00

End Date: 2022.06.29 @ 23:13:07

Job Ticket #: 69061 DST #: 3

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

Printed: 2022.07.01 @ 10:20:19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

7-7s-18w Rooks,KS

125 N Market ST
Suite 1725
Wichita KS 67202
ATTN: Cameron Brin

Larry #1-7

Job Ticket: 69061

DST#: 3

Test Start: 2022.06.29 @ 16:30:00

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:01:47

Time Test Ended: 23:13:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 3314.00 ft (KB) To 3386.00 ft (KB) (TVD)

Reference Elevations: 1987.00 ft (KB)

Total Depth: 3386.00 ft (KB) (TVD)

1982.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8875

Inside

Press@RunDepth: 23.75 psig @ 3318.00 ft (KB)

Capacity: psig

Start Date: 2022.06.29

End Date:

2022.06.29

Last Calib.:

2022.06.29

Start Time: 16:30:01

End Time:

23:13:07

Time On Btm:

2022.06.29 @ 19:01:42

Time Off Btm:

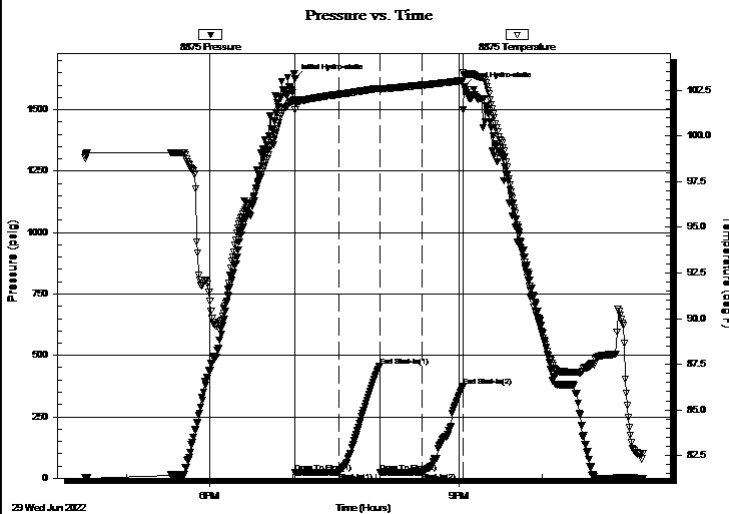
2022.06.29 @ 21:03:57

TEST COMMENT: 30-IF-Weak Surface Died @ 5 mins

30-ISI-No Return

30-FF-No Blow

30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1627.10	101.98	Initial Hydro-static
1	23.10	101.44	Open To Flow (1)
32	23.78	102.27	Shut-In(1)
62	456.24	102.58	End Shut-In(1)
62	23.61	102.53	Open To Flow (2)
92	23.75	102.77	Shut-In(2)
122	373.14	103.04	End Shut-In(2)
123	1593.47	103.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100% M	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

7-7s-18w Rooks,KS

125 N Market ST
Suite 1725
Wichita KS 67202
ATTN: Cameron Brin

Larry #1-7

Job Ticket: 69061

DST#: 3

Test Start: 2022.06.29 @ 16:30:00

Tool Information

Drill Pipe:	Length: 3274.00 ft	Diameter: 3.82 inches	Volume: 46.41 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	54000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
				String Weight: Initial	53000.00 daN
Drill Pipe Above KB:	22.00 ft			Final	53000.00 daN
Depth to Top Packer:	3314.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	72.00 ft				
Tool Length:	104.00 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			3283.00	
Shut In Tool	5.00			3288.00	
Hydraulic tool	5.00			3293.00	
Jars	5.00			3298.00	
Gap Sub	4.00			3302.00	
Safety Joint	3.00			3305.00	
Packer	5.00			3310.00	32.00 Bottom Of Top Packer
Packer	4.00			3314.00	
Stubb	1.00			3315.00	
Perforations	2.00			3317.00	
Change Over Sub	1.00			3318.00	
Recorder	0.00	6838	Inside	3318.00	
Recorder	0.00	8875	Inside	3318.00	
Drill Pipe	63.00			3381.00	
Change Over Sub	1.00			3382.00	
Perforations	1.00			3383.00	
Bullnose	3.00			3386.00	72.00 Bottom Packers & Anchor
Total Tool Length:	104.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

7-7s-18w Rooks,KS

125 N Market ST
Suite 1725
Wichita KS 67202
ATTN: Cameron Brin

Larry #1-7

Job Ticket: 69061

DST#: 3

Test Start: 2022.06.29 @ 16:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 5.39 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud 100% M	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

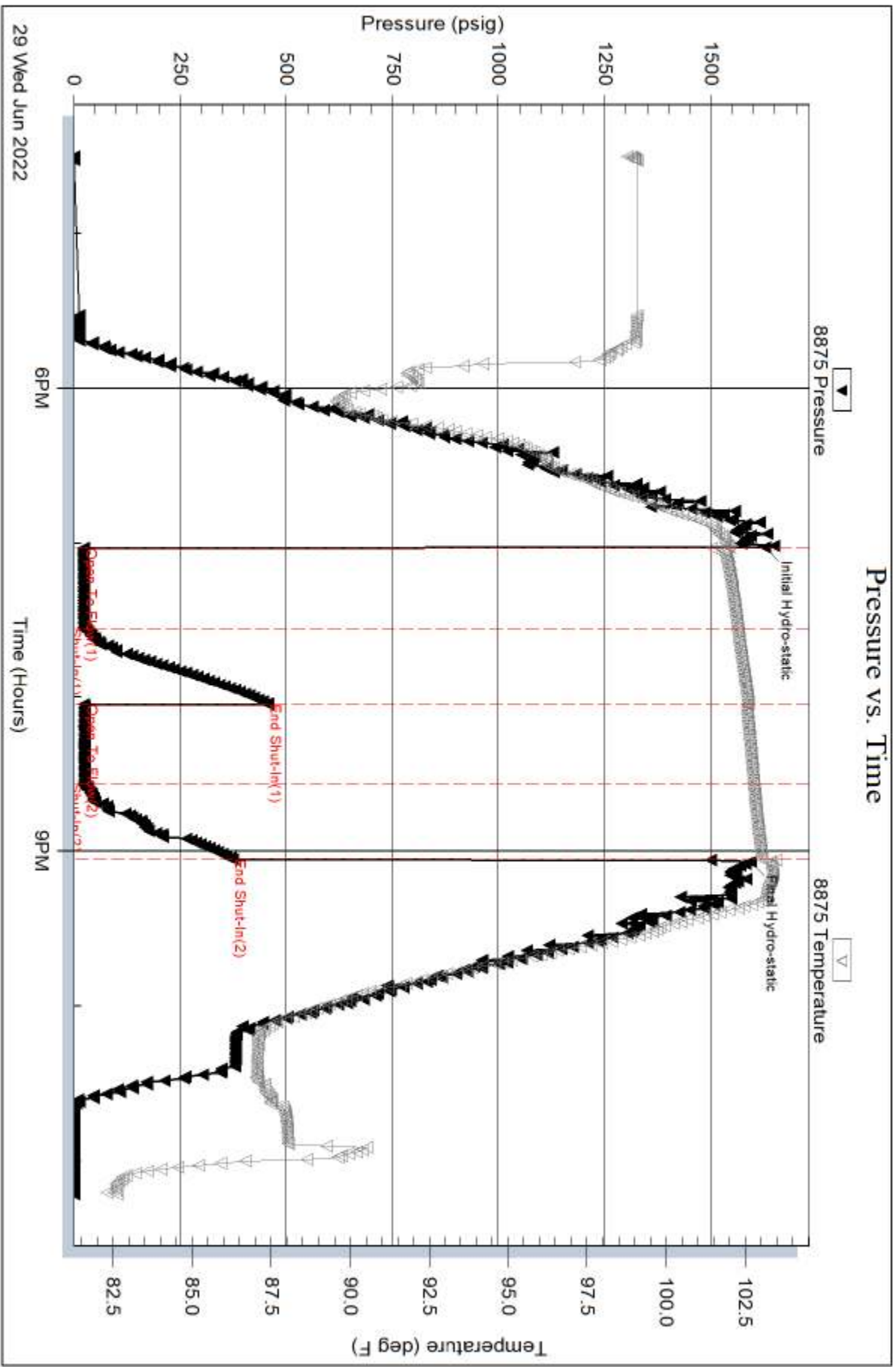
Num Gas Bombs: 0

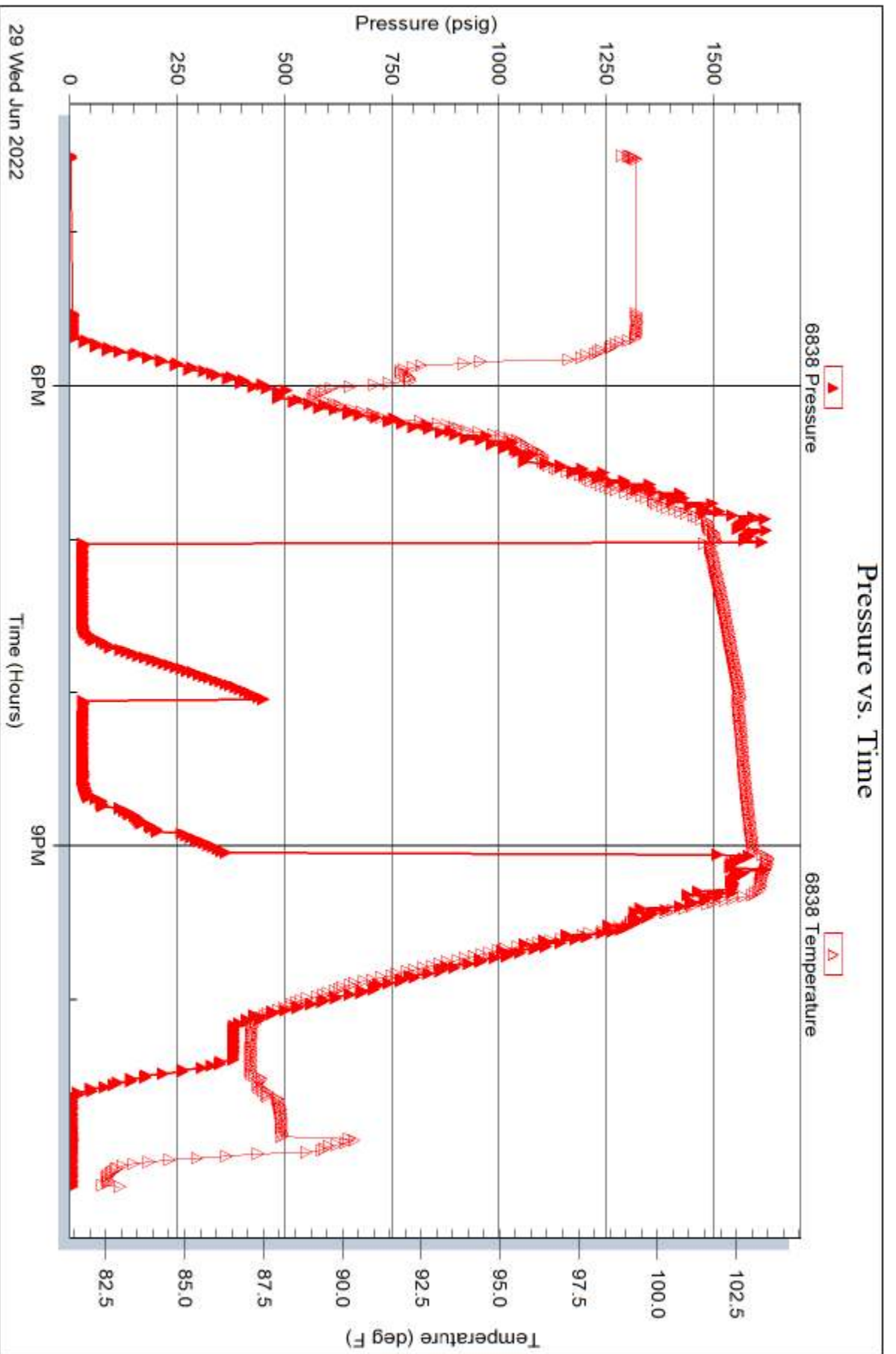
Serial #:

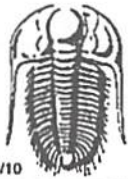
Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69059

Well Name & No. Larry #1-7 Test No. 1 Date 06/28/2022
 Company Cobalt Energy LLC Elevation 1987 KB 1982 GL
 Address 125 N. Market St Suite 1725 Wichita KS 67202
 Co. Rep / Geo. Cameron Brin Rig Murphy #16
 Location: Sec. 7 Twp 7s Rge. 18w Co. Rooks State Ks

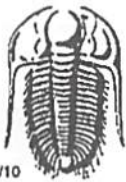
Interval Tested 3186'-3253' Zone Tested LHC A-C
 Anchor Length 67' Drill Pipe Run 3145' Mud Wt. 8.9
 Top Packer Depth 3181' Drill Collars Run 30' Vis 53
 Bottom Packer Depth 3186' Wt. Pipe Run - WL 5.4
 Total Depth 3253 Chlorides 800 ppm System LCM 2#

Blow Description 17- Surface to 1/2" Dried @ 15 mins
280- No Return
77- No Blow
750- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>OSM</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 103° Gravity - API RW - @ - ° F Chlorides - ppm
 (A) Initial Hydrostatic 1548 Test 1800 T-On Location 01:47
 (B) First Initial Flow 21 Jars 300 T-Started 02:50
 (C) First Final Flow 24 Safety Joint _____ T-Open 05:20
 (D) Initial Shut-In 608 Circ Sub _____ T-Pulled 06:50
 (E) Second Initial Flow 25 Hourly Standby _____ T-Out 08:31
 (F) Second Final Flow 29 Mileage 100rt 150 Comments _____
 (G) Final Shut-In 281 Sampler _____
 (H) Final Hydrostatic 1541 Straddle _____ EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 2250
 Sub Total 2250 MP/DST Disc't _____

Approved By _____ Our Representative [Signature] 785-259-6056
 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. **69060**

Well Name & No. Larry #1-7 Test No. 2 Date 06/28/2022
 Company Cobalt Energy LLC Elevation 1987 KB 1982 GL
 Address 125 N Market ST Suite 1725 Wichita, KS 67202
 Co. Rep / Geo. Cameron Brin Rig Murfin #16
 Location: Sec. 7 Twp 7s Rge. 18w Co. Rooks State KS

Interval Tested 3247' - 3320' Zone Tested LKC D-21
 Anchor Length 73' Drill Pipe Run 3207' Mud Wt. 8.9
 Top Packer Depth 3242' Drill Collars Run 30 Vis 53
 Bottom Packer Depth 3247' Wt. Pipe Run - WL 5.4
 Total Depth 3320' Chlorides 800 ppm System LCM 2#

Blow Description 17' Surface to 10 1/2"
1st Weak Surface; died @ 10 mins
77' Surface to 7 1/2"
75' Very Weak Surface; died @ 5 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>120'</u>	<u>SMCW</u>		<u>95</u>	<u>5</u>	
<u>30'</u>	<u>OCM</u>	<u>10</u>		<u>90</u>	
<u>60'</u>	<u>GO</u>	<u>5</u>	<u>95</u>		
	<u>100' GIP</u>	<u>100</u>			

Rec Total 210' BHT 105° Gravity 33° API RW .141 @ 67 °F Chlorides 59,000 ppm

(A) Initial Hydrostatic 1576 Test 1800 T-On Location 18:15
 (B) First Initial Flow 22 Jars 300 T-Started 19:45
 (C) First Final Flow 61 Safety Joint _____ T-Open 22:15
 (D) Initial Shut-In 1024 Circ Sub _____ T-Pulled 01:15
 (E) Second Initial Flow 69 Hourly Standby _____ T-Out 03:28
 (F) Second Final Flow 106 Mileage 10027 150 Comments _____
 (G) Final Shut-In 974 Sampler _____
 (H) Final Hydrostatic 1562 Straddle _____ EM Tool _____
 Ruined Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 2250
 Total 2250
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or 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. 69061

Well Name & No. Larry #1-7 Test No. 3 Date 06/29/2022
 Company Cobalt Energy LLC Elevation 1987 KB 1982 GL
 Address 125 W Market St Suite 172.5 Wichita KS 67202
 Co. Rep / Geo. Cameron Brin Rig Murline #16
 Location: Sec. 7 Twp 7S Rge. 18W Co. Rooks State KS

Interval Tested 3314' - 3386' Zone Tested LKC A-J
 Anchor Length 72' Drill Pipe Run 3274' Mud Wt. 9.2
 Top Packer Depth 3309' Drill Collars Run 30 Vis 57
 Bottom Packer Depth 3314' Wt. Pipe Run - WL 5.4
 Total Depth 3386' Chlorides 1000 ppm System LCM 2H

Blow Description 17- Weak Surface; Died in 5 mins
JSD- No Return
77- No Blow
75- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>Mud</u>			<u>100</u>	

Rec Total 3' BHT 103° Gravity - API RW - @ - ° F Chlorides - ppm
 (A) Initial Hydrostatic 1627 Test 1800 T-On Location 15:15
 (B) First Initial Flow 23 Jars 300 T-Started 16:30
 (C) First Final Flow 23 Safety Joint - T-Open 19:00
 (D) Initial Shut-In 456 Circ Sub - T-Pulled 21:00
 (E) Second Initial Flow 23 Hourly Standby - T-Out 23:11
 (F) Second Final Flow 23 Mileage 100R7x2 150+150 Comments loaded @
 (G) Final Shut-In 373 Sampler - 17:00 06/30/2022
 (H) Final Hydrostatic 1593 Straddle - EM Tool -

Initial Open 30 Ruined Shale Packer -
 Initial Shut-In 30 Ruined Packer -
 Final Flow 30 Extra Packer - Extra Copies -
 Final Shut-In 30 Extra Recorder - Sub Total 0
 Day Standby - Total 2400
 Accessibility - Sub Total 2400 MP/DST Disc'd -

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.



Scale 1:240 Imperial

Well Name: LARRY #1-7
Surface Location: SE, NW, SE, NW, Sec. 7, T7S. R18W
Bottom Location:
API: 15-163-24452
License Number: 34579
Spud Date: 6/24/2022 Time: 9:45 AM
Region: ROOKS CO.
Drilling Completed: 6/30/2022 Time: 11:15 AM
Surface Coordinates: 1687' FNL & 1702' FWL
Bottom Hole Coordinates:
Ground Elevation: 1982.00ft
K.B. Elevation: 1987.00ft
Logged Interval: 2900.00ft To: 3520.00ft
Total Depth: 3520.00ft
Formation: LKC, ARUCKLE
Drilling Fluid Type: CHEMICAL

OPERATOR

Company: COBALT ENERGY, LLC
Address: 125 N. MARKET, SUITE #1725
WICHITA, KS 67202

Contact Geologist: COREY BAKER
Contact Phone Nbr: 316-706-5096
Well Name: LARRY #1-7
Location: SE, NW, SE, NW, Sec. 7, T7S. R18W
API: 15-163-24452
Pool: Field: UNNAMED
State: KS Country:

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: 99.373002859
Latitude: 39.461857991
N/S Co-ord: 1687' FNL
E/W Co-ord: 1702' FWL

LOGGED BY

Company:
Address: 2511 E 19TH
HAYS, KS 67601

Phone Nbr: (785) 639-0721
Logged By: Geologist Name: CAMERON BRIN

CONTRACTOR

Contractor: MURFIN DRILLING, INC.
Rig #: 16
Rig Type: MUD ROTARY
Spud Date: 6/24/2022 Time: 9:45 AM
TD Date: 6/30/2022 Time: 11:15 AM
Rig Release: 7/1/2022 Time: 12:00 PM

ELEVATIONS

K.B. Elevation: 1987.00ft Ground Elevation: 1982.00ft
K.B. to Ground: 5.00ft


NOTES

AFTER REVIEWING THE LOGS AND NON COMMERCIAL RECOVERY IN ALL 3 DST'S, DECISION WAS MADE TO PLUG AND ABANDON THE LARRY #1-7 WELL.

TOPS COMPARISON

FORMATION	LARRY #1-7				P&A 10/2/79				D&A 11/5/88													
	DIAMOND SHAMROCK EXPL.				BEDKER #1				BEDKER #1													
	NW, SW, SE, Sec. 6-7S-18W				CHEMCO INC				JOHN JAY DARRAH JR													
	KB	1987	GL	1982	KB	1964	KB	1989	KB	1937												
	LOG TOPS	SAMPLE TOPS	LOG	LOG	SMPL.	LOG	LOG	SMPL.	LOG	LOG	SMPL.											
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.										
ANHYDRITE TOP	1497	490	1498	489	1470	494	-	4	-	5	1492	497	-	7	-	8	1456	481	+	9	+	8
BASE	1530	457	1532	455					1524	465	-	8	-	10			1484	453	+	4	+	2
TOPEKA	2951	-964	2955	-968	2931	-967	+	3	-	1	2961	-972	+	8	+	4	2908	-971	+	7	+	3
HEEBNER SHALE	3154	-1167	3158	-1171	3132	-1168	+	1	-	3	3166	-1177	+	10	+	6	3110	-1173	+	6	+	2
TORONTO	3180	-1193	3181	-1194	3156	-1192	-	1	-	2	3189	-1200	+	7	+	6	3138	-1201	+	8	+	7
LKC	3194	-1207	3198	-1211	3173	-1209	+	2	-	2	3205	-1216	+	9	+	5	3152	-1215	+	8	+	4
BKC	3418	-1431	3423	-1436	3396	-1432	+	1	-	4	3430	-1441	+	10	+	5	3380	-1443	+	12	+	7
CONGLOMERATE			3492	-1505	3464	-1500				5							3448	-1511				6
ARBUCKLE					3484	-1520											3463	-1526				
TOTAL DEPTH	3516	-1529	3520	-1533	3448	-1484	-	45	-	49	3557	-1568	+	39	+	35	3540	-1603	+	74	+	70

DST #1 3186'-3253' (LKC A-C)



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC
 125 N Market ST
 Suite 1725
 Wichita KS 67202
 ATTN: Cameron Brin

7-7s-18w Rooks KS
Larry #1-7
 Job Ticket: 69059 **DST#: 1**
 Test Start: 2022.06.28 @ 02:50:00

GENERAL INFORMATION:

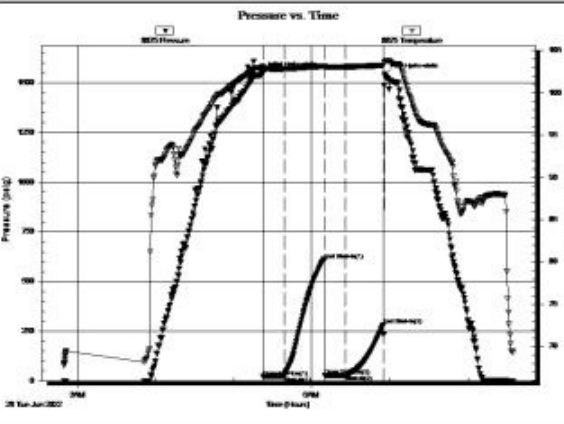
Formation: **LKC A-C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:22:57
 Time Test Ended: 08:34:32
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Spencer J Staab
 Unit No: 84

Interval: **3186.00 ft (KB) To 3253.00 ft (KB) (TVD)**
 Total Depth: 3253.00 ft (KB) (TVD)
 Reference Elevations: 1987.00 ft (KB)
 1982.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: 29.28 psig @ 3190.00 ft (KB)
 Start Date: 2022.06.28 End Date: 2022.06.28 Capacity: psig
 Start Time: 02:50:01 End Time: 08:34:32 Last Calib.: 2022.06.28
 Time On Btm: 2022.06.28 @ 05:22:47
 Time Off Btm: 2022.06.28 @ 06:56:07

TEST COMMENT: 15-F-Surface to 1/2" Died @ 15 mins
 30-ISI-No Return
 15-FF-No Blow
 30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1548.03	103.17	Initial Hydro-static
1	21.01	102.80	Open To Flow (1)
17	24.72	102.87	Shut-in(1)
48	608.52	103.14	End Shut-in(1)
48	25.97	103.10	Open To Flow (2)
63	29.28	103.11	Shut-in(2)
93	281.12	103.30	End Shut-in(2)
94	1541.19	103.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100%M	0.05

Gas Rates

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

Time Tool Opened: 19:01:47
 Time Test Ended: 23:13:07

Tester: Spencer J Staab
 Unit No: 84

Interval: 3314.00 ft (KB) To 3386.00 ft (KB) (TVD)
 Total Depth: 3386.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1987.00 ft (KB)
 1982.00 ft (CF)
 KB to GR/CF: 5.00 ft

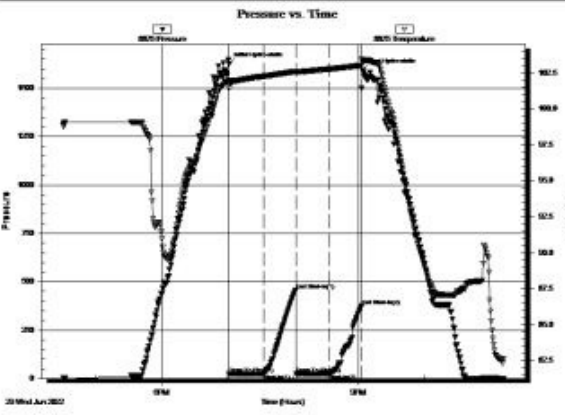
Serial #: 8875

Inside

Press@RunDepth: 23.75 psig @ 3318.00 ft (KB)
 Start Date: 2022.06.29 End Date: 2022.06.29
 Start Time: 16:30:01 End Time: 23:13:07

Capacity: psig
 Last Calib.: 2022.06.29
 Time On Btm: 2022.06.29 @ 19:01:42
 Time Off Btm: 2022.06.29 @ 21:03:57

TEST COMMENT: 30-IF-Weak Surface Died @ 5 mins
 30-ISI-No Return
 30-FF-No Blow
 30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1627.10	101.98	Initial Hydro-static
1	23.10	101.44	Open To Flow (1)
32	23.78	102.27	Shut-In(1)
62	456.24	102.58	End Shut-In(1)
62	23.61	102.53	Open To Flow (2)
92	23.75	102.77	Shut-In(2)
122	373.14	103.04	End Shut-In(2)
123	1593.47	103.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100% M	0.01

* Recovery from multiple tests

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 69061

Printed: 2022.06.30 @ 07:38:09

ANHYDRITE



ROCK TYPES

- Congl
- Lmst fw7>
- shale, gry
- shale, red
- Chtcong
- shale, grn
- Carbon Sh

ACCESSORIES

MINERAL

- ▲ Chert, dark
- P Pyrite
- Sandy
- △ Chert White

FOSSIL

- F Fossils < 20%
- ⊖ Oolite

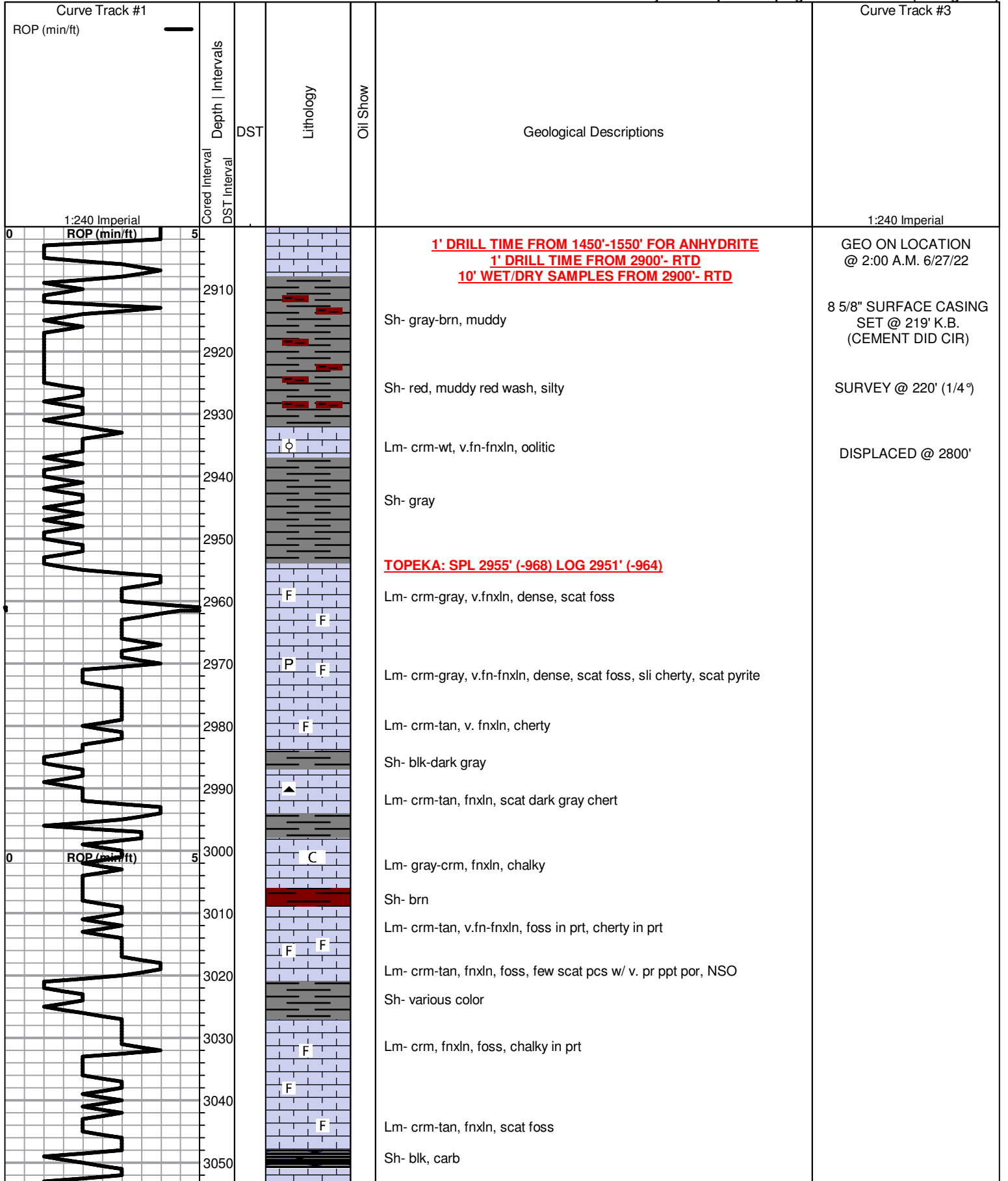
STRINGER

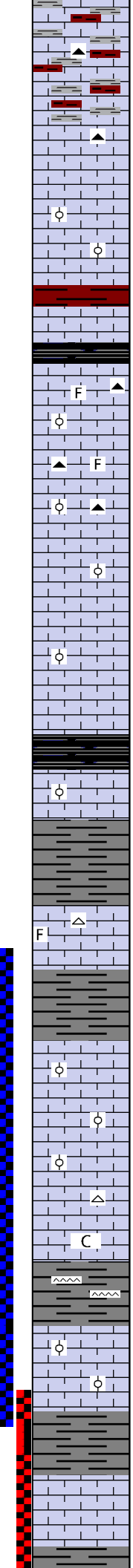
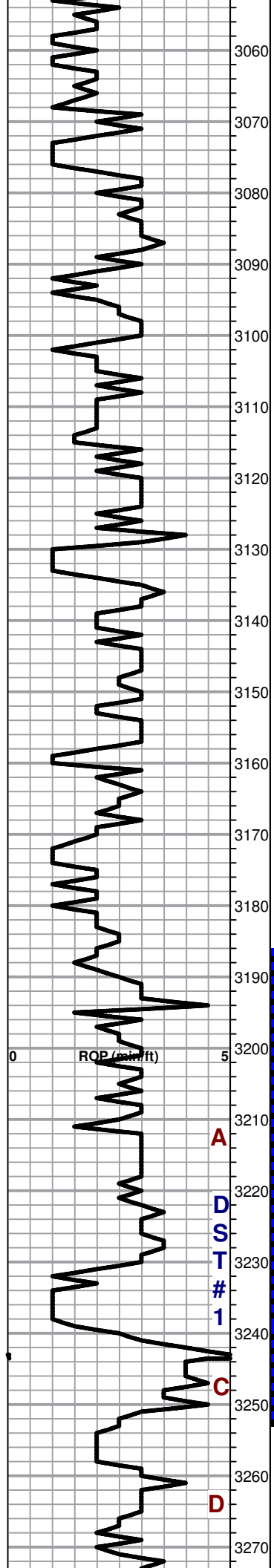
- ~~~~ Chert
- ▬ Shale
- red shale

TEXTURE

- C Chalky

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





Sh- gray-brn
Lm- crm-tan, fnxn scat foss, few scat pcs tan, blocky chert

Lm- crm, v.fn-fnxln, scat foss, cherty, scat pr ppt por, NSO

Lm- crm, fnxn, barren

Lm- crm, fnxn, oolitic, scat pr tight inoolitic por, scat wt chert

Sh- red

Lm- crm, fnxn, oolitic in prt, scat tan chert

Sh- blk carb

Lm- crm-wt, fnxn, foss, scat pr ppt por, NSO
Chert- tan-gray, sub angular-angular, oolitic in prt

Lm- crm, fnxn, oolitic, cherty

Lm- crm, v.fn-fnxln, oolitic, **scat pr tight ppt por, 6-8 pcs w/ spotty brn-blk stn in pores, sli sheen FO upon crush, v. sli odor**

Lm- crm-tan, fnxn, oolitic, chalky in prt, scat gray-tan chert

HEEBNER: SPL 3158' (-1171) LOG 3154' (-1167)

Sh- blk, carb

Lm- crm-wt, fnxn, dense, oolitic

Sh- various color

TORONTO: SPL 3181' (-1194) LOG 3180' (-1193)

Lm- crm-wt, v.fn-fnxln, foss in prt, scat tan-wt chert

Sh- brn-gray, scat wt-tan chert

LKC: SPL 3198' (-1211) LOG 3194' (-1207)

Lm- crm, fnxn, oolitic, **scat mostly pr inoolitic por, 3-4 scat pcs w/ fr inoolitic-ppt por, scat spotty lt brn stn in pores, sli sheen FO upon crush & fr sheen in cup, fr odor, dull yel flur**

Lm- crm, fnxn, oolitic, scat pr tight inoolitic por, scat wt chert

Lm- wt, v.fnxn, barren chalky in prt, scat wt chert

Sh- gray-brn
Chert- gray-brn

Lm- crm-wt, v.fn-fnxln, oolitic in prt, cherty, dense, **scat pr inoolitic por & 6-7 pcs w/ pr-fr ppt-sli vuggy por, scat spotty lt brn stn in pores, v. sli SFO upon crush?, mod odor**

Sh- gray-red, muddy red wash

Lm- crm-gray, v.fn-fnxln, dense, cherty, **scat pr inxn por, v. few scat pcs w/ v. lt brn spotty stn in pores, NSFO, pr-no odor**

CFS @ 3166'
SHORT TRIP 28 STANDS

DST #1
3186'-3253'
(LKC A-C)
15-30-15-30
10' OSM
SIP: 608-281#

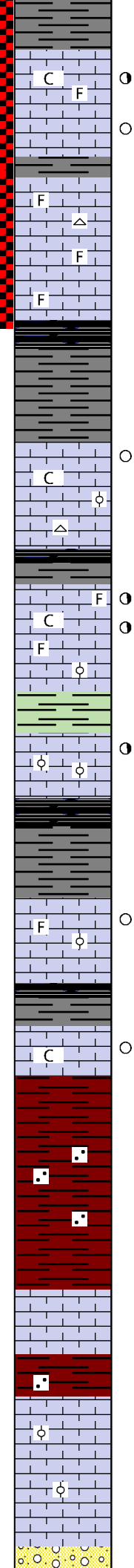
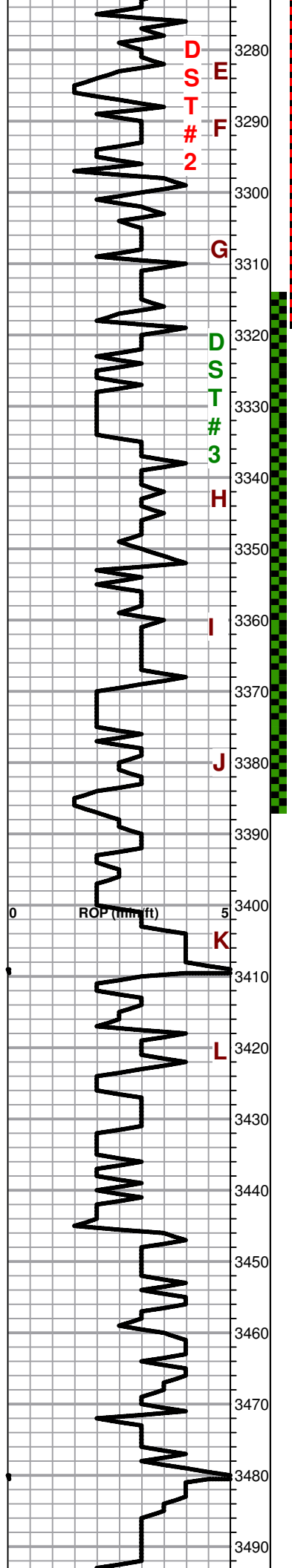
CFS @ 3225'

CFS @ 3253'

SURVEY @ 3253' (1/4")

PIPE STRAP 1.05' LONG
TO BOARD

CFS @ 3273'



Sh- gray-brn

Lm- crm-wt, fnxn, foss, chalky, scat mostly pr inxn por w/ few scat small vuggs, 8-10 pcs w/ v. lt brn spotty stn in pores, v. sli SFO upon crush, fr odor

Lm- crm, v. fn-fnxln, mostly barren, few scat pcs pr ppt-inxn por, 6-8 pcs w/ spotty lt brn stn in pores, v. sli SFO upon crush, faint odor

Lm- crm-wt, v.fnxln, foss, barren, scat tan-wt chert, 1 pc w/ pr ppt por, spotty brn stn in pores, NSFO, no odor

Lm- crm, v. fn-fnxln, scat foss, barren, cherty & dense in prt, soft and chalky in prt

Sh- blk, carb

Sh- gray-green-brn
Chert- wt-trans, angular

Lm- crm, v.fnxln, chalky in prt, v. few scat pcs w/ pr inxn por, 4-5 pcs w/ spotty brn stn in pores, 1 pc sli SFO upon crush, no odor

Chert- wt-tan, angular
Lm- crm, v. fnxn, oolitic, tight, NSO

Sh- blk-gray-brn

30 min- Lm- crm, fnxn, scat foss, sli cherty, chalky in prt, scat pr-fr ppt por, scat brn stn in pores, sli SFO in cup & upon crush, pr-mod odor

60 min- Lm- crm, fnxn, oolitic, sli cherty, scat pr-fr ppt-inoolitic por, scat brn stn in pores, sli SFO in cup & 3-4 pcs fr SFO upon crush, pr-mod odor

Sh- green-gray-brn
Lm- crm, v.fn-fnxln, oolitic, chalky in prt, scat mostly pr inxn-ppt-inoolitic por, scat spotty lt brn stn in pores, few pcs w/ SFO upon crush, pr-no odor

STARK: SPL 3384' (-1397) LOG 3379' (-1392)

Sh- blk, carb

Sh- green-gray, blocky

Lm- crm, fnxn, foss, chalky in prt, v. few pcs w/ tight pr inxn-ppt- sli vuggy por, 6-7 pcs w/ spotty brn in pores, 2 pcs w/ sli SFO upon crush, no odor

Sh- blk, carb

Lm- crm-wt, v.fn-fnxln, oolitic, chalky, v. few pcs w/ tight pr ppt por, 3-4 pcs w/ brn stn in pores, 1 pc v. sli SFO upon crush, no odor

BKC: SPL 3423' (-1436) LOG 3418' (-1431)

Sh- red-gray-green, silty, muddy red wash

Sh- A/A, sandy

Lm- crm-wt, v.fnxln, mostly dense

Sh- brn, sandy

Lm- crm fnxn, oolitic, few scat pcs w/ pr inxn por, NSO

Lm- lt. pink- off wt, dense in prt, scat pr inxn por, NSO

CONGLOMERATE: SPL 3492' (-1505)

Lm-cong- crm- dark red, fnxn, oolitic, few scat Ss clusters, mod

DST #2
3247'-3320'
(LKC D-G)
30-45-45-60
120' SMCW (95%W)
30' OCM (10%O)
60' GO (5%G, 95%O)
100' GIP
SIP: 1024-974#

CFS @ 3320'

DST #3
3314'-3386' (LKC H-J)
30-30-30-30
3' M
SIP: 456-373#

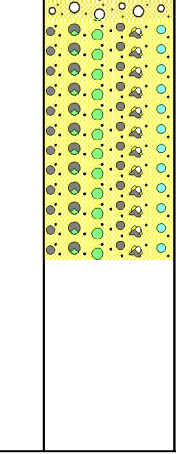
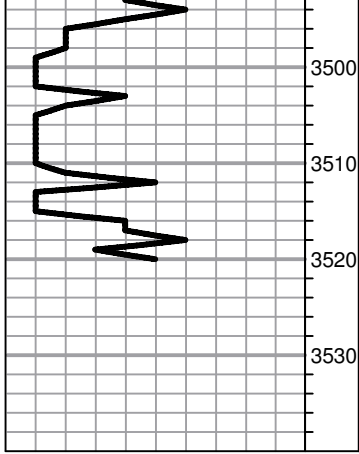
CFS @ 3347'

CFS @ 3368'

CFS @ 3386'

CFS @ 3411'

CFS @ 3427'



rounding, mod sorting, CaCO3 cement
Chert- orange-tan-wt, subangular, oolitic in prt
Sh- brn

Chert-cong- orange-wt-tan, subangular, oolitic, scat fr-gd oomoldic por,
NSO, few Ss clusters, well sorted, well rounded, CaCO3 cement

RTD: SPL 3520' (-1533) LOG 3516' (-1529)

SURVEY @ RTD (3/4°)

GEO OFF LOCATION
@ 6:00 P.M. 6/30/22