

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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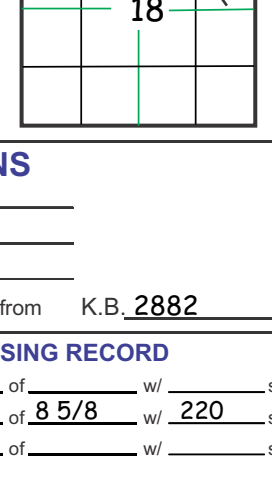
Larry A. Nicholson

NAO 83 38 7542861 101.0272149

COMPANY & WELL Cobalt Energy, McDaniel Trust #1-18
LOCATION 1191' FNL 1726' FEL SW SE NW NE
SEC 18 TWP 15S RGE 33W
COUNTY Logan STATE KS

COMPANY Cobalt Energy, L.L.C
API # 15-109-21608 FIELD: NA
LEASE McDaniel Trust RIG WELL # #1-18
LOCATION SW SE NW NE
SURVEY 1191' FNL 1726' FEL
SECTION 18 TWP 15S RGE 33W
COUNTY Logan STATE Kansas

ELEVATIONS
K.B. 2882
D.F.
G.L. 2871



ELECTRICAL SURVEYS Dual Den, Neu, Micro

Table with columns: FORMATION, SAMPLE TOPS, SURSEA DATUM, ELEC LOG TOPS, SURSEA DATUM, REFERENCE WELL, B

DRILLSTEM TEST SUMMARY

Dat #1 3836-3874 (LKC C) 30 60 60 IF-34-87 FF-96-156 SH-1089-1049
Rec Total Fluid 882 GIP 378' 252' GO (202 892) 315' GO (140 600)
121' OCWM (50 85W 10M) IF 5 3/4 min, nr FF 7 1/4 min, nr

REMARKS & RECOMMENDATIONS:
The csg is run based on DST results.
in the Mathcot. All before Christmas.
A Great Ending to Covid19 Year 2020

LEGEND

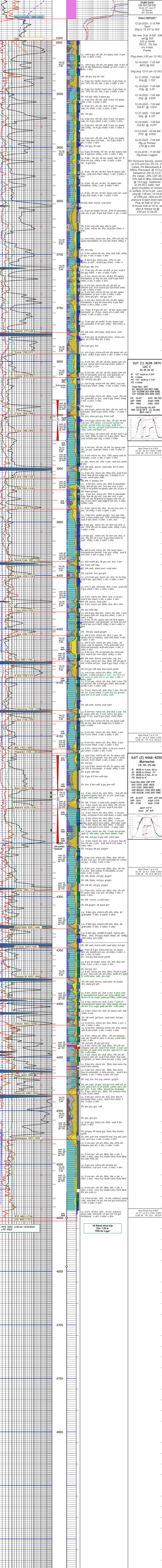
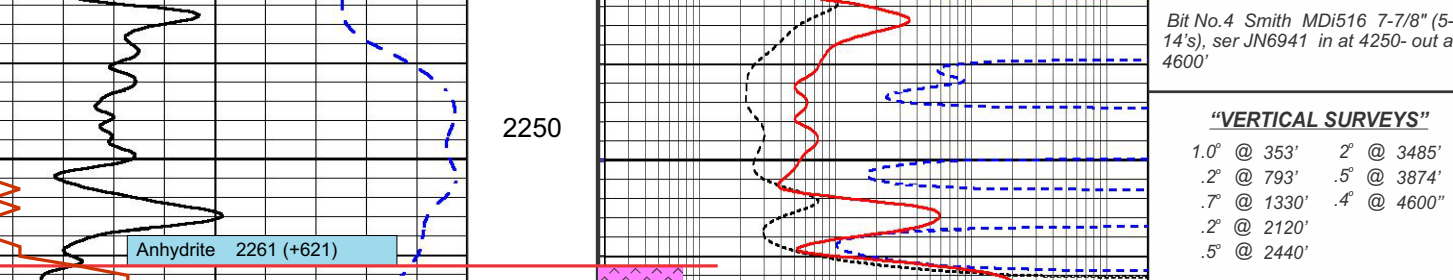


Table with columns: FORMATION, SAMPLE TOPS, SURSEA DATUM, ELEC LOG TOPS, SURSEA DATUM, REFERENCE WELL, B

COMPANY Cobalt Energy, L.L.C
LEASE McDaniel Trust #1-18 SW SE NW NE
LOCATION 1191' FNL 1726' FEL SEC 18 TWP 15S RGE 33W
COUNTY Logan STATE KS
ELEVATIONS K.B. 2882 D.F. G.L. 2871



Customer	Cobalt Energy Oil & Natural Gas		Lease & Well #	McDaniel Trust # 1-18		Date	12/23/2020
Service District	Oakley Ks		County & State	Logan Ks	Legals S/T/R	18-15-33	Job #
Job Type	Longstring	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Ticket #
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures					
73	Josh	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Lockout/Tagout	<input checked="" type="checkbox"/> Warning Signs & Flagging		
230	Mike	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input checked="" type="checkbox"/> Required Permits	<input checked="" type="checkbox"/> Fall Protection		
180	John	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations		
205	Kale	<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations		
		<input checked="" type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below			
Comments							

Product/Service Code	Description	Unit of Measure	Quantity	Net Amount
C015	Cement Pump Service	ea	1.00	\$1,125.00
C050	Cement Plug Container	job	1.00	\$187.50
M010	Heavy Equipment Mileage	mi	30.00	\$90.00
M015	Light Equipment Mileage	mi	30.00	\$45.00
M020	Ton Mileage	lm	812.00	\$913.50
CP025	H-Con	sack	375.00	\$5,906.25
CP014	H-LD Cement Blend	sack	200.00	\$7,237.50
CP055	H-Plug	sack	50.00	\$487.50
CP170	Mud Flush	gal	1,000.00	\$750.00
AF055	Liquid KCL Substitute	gal	5.00	\$112.50
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00	\$281.25
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$262.50
FE130	5 1/2" Cement Basket	ea	6.00	\$1,350.00
FE135	5 1/2 Turbolizer	ea	16.00	\$960.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$19,708.50
Based on this job, how likely is it you would recommend HSI to a colleague?		Total Taxable	\$ -
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Tax Rate:	
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.	Sale Tax:
			\$ -
		Total:	\$ 19,708.50
HSI Representative: <i>Josh Master</i>			

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/4% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X _____ CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

Customer:	Cobalt Energy Oil & Natural Gas	Well:	McDaniel Trust # 1-18	Ticket:	WP1047
City, State:		County:	Logan Ks	Date:	12/23/2020
Field Rep:	Dalton	S-T-R:	18-15-33	Service:	Longstring

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4606 ft
Casing Size:	5 1/2 in
Casing Depth:	4599 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	105.8 bbls

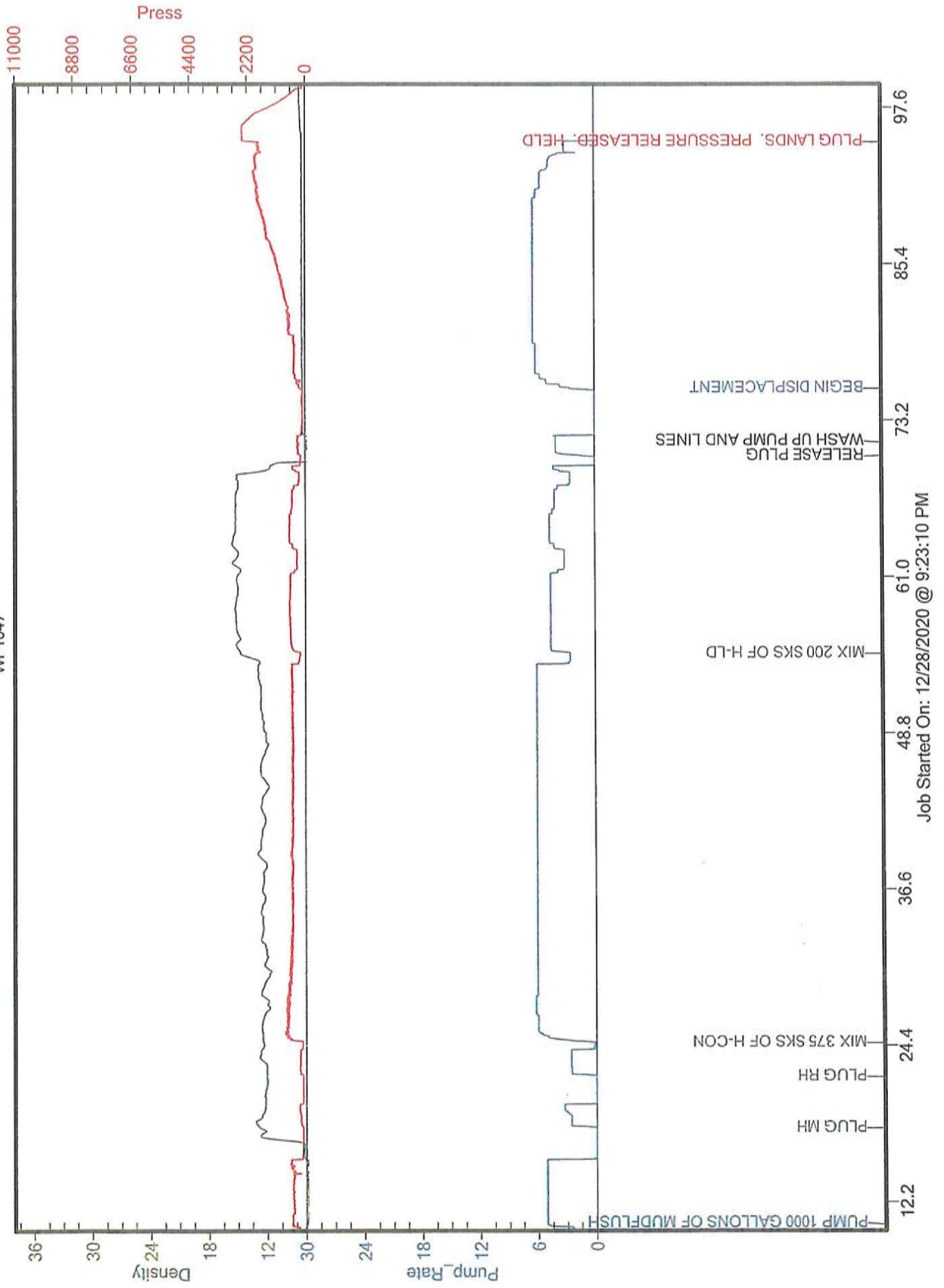
Calculated Slurry - Lead	
Blend:	H-con
Weight:	12.0 ppg
Water / Sx:	14.5 gal / sx
Yield:	2.47 ft ³ / sx
Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	4599 ft
Annular Volume:	142.1 bbls
Excess:	
Total Slurry:	175.9 bbls
Total Sacks:	sx

Calculated Slurry - Tail	
Blend:	H-LD
Weight:	15 ppg
Water / Sx:	6.2 gal / sx
Yield:	1.49 ft ³ / sx
Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	4599 ft
Annular Volume:	142.1091 bbls
Excess:	
Total Slurry:	46.4 bbls
Total Sacks:	sx

TIME	RATE	PSI	BBLs	STAGE TOTAL BBLs	REMARKS
700P			-	-	GOT LOCATION
705P				-	SAFETY MEETING
730P				-	STARTED RUNNING CASING
1020P				-	LANDED CASING
1035P				-	DROPPED BALL/CIRCULATED HOLE FOR ONE HOUR
1140P	4.5	450.0	5.0	5.0	H2O AHEAD
1142P	4.5	450.0	20.0	25.0	1000G MUD FLUSH
1151P	2.5	250.0	6.3	31.3	PLUGGED MH WITH 25 SKS H-PLUG
1155P	2.5	250.0	6.3	37.6	PLUGGED RH WITH 25 SKS H-PLUG
1157P	6.0	600.0	164.9	202.5	PUMPED 375 SKS OF H-CON @ 4599FT
1228P	4.5	600.0	53.1	255.6	PUMPED 200 SKS OF H- LD @4599FT
1243P				255.6	SHUT IN WASHED UP PUMP TRUCK AND LOADED PLUG
1249P	6.3	430.0	105.8	361.4	DISPLACED WITH H2O
108P	3.0	1,800.0		361.4	LANDED PLUG TOOK UP TO 2440 PSI HELD IT FOR 5 MIN THE RELEASED PRESSURE GOT 1 BBL BACK CIRCULATED 20 BBL
110P				361.4	WASHED UP PUMP
120P				361.4	RIGGED DOWN TRUCKS
130P				361.4	RIGGED DOWN CEMENT HEAD
145P				361.4	OFF LOCATION
				361.4	
				361.4	
				361.4	
				361.4	
				361.4	
				361.4	
				361.4	
				361.4	
				361.4	
				361.4	

CREW		UNIT	SUMMARY		
Cementer:	Josh	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Mike	230	4.2 bpm	604 psi	361 bbls
Bulk #1:	John	180			
Bulk #2:	Kale	205			

Colbalt Energy WP1047



FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0252
 LOCATION Harjo, KS
 FOREMAN Miles Shaw

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/16/20		McDanick Trust 1-18	18	15-S	33 W	Lesau
CUSTOMER: <u>Colbalt Energy</u>			TRUCK #		DRIVER	
MAILING ADDRESS			101		Scott	
CITY			102		Miles Shaw	
STATE			TRUCK #		DRIVER	
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12.25" HOLE DEPTH 353 CASING SIZE & WEIGHT 8 5/8 23.4
 CASING DEPTH 351 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.7 SLURRY VOL 1.30 WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 21 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____
 REMARKS: Safety meeting & Resuper Murchin drilling Big #21 Circulate
Casing mix 220 sx 60/40 3% cc 2% gel displace 21 bbls water
Shut in Cement did Circulate 45 bbls to art

Thanks Miles & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CP002	1	PUMP CHARGE	1150. ⁰⁰	1150. ⁰⁰
M001	25	MILEAGE	6.50	162.50
M003	9.9 hrs	Trn Mileage delivery	60.00	600. ⁰⁰
CBO	220 SA	60/40 3%cc 2%gel	18.25	4015. ⁰⁰
			<u>Subtotal</u>	<u>5927.50</u>
			<u>less 400 disc</u>	<u>2371.⁰⁰</u>
			<u>Subtotal</u>	<u>3556.50</u>
			SALES TAX	192.72
			ESTIMATED TOTAL	3,749.22

AUTHORIZATION Juan Davis TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

115 C Belmont #12
Wichita, KS 67208

ATTN: Larry Nicholson

McDaniel Trust #1-18

18-15-33 Logan,KS

Start Date: 2020.12.21 @ 20:56:52

End Date: 2020.12.22 @ 04:10:52

Job Ticket #: 66789 DST #: 2

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

Printed: 2020.12.23 @ 11:05:00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

18-15-33 Logan,KS

115 C Belmont #12
Wichita, KS 67208

McDaniel Trust #1-18

ATTN: Larry Nicholson

Job Ticket: 66789

DST#: 2

Test Start: 2020.12.21 @ 20:56:52

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:30:22

Time Test Ended: 04:10:52

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4168.00 ft (KB) To 4250.00 ft (KB) (TVD)

Reference Elevations: 2885.00 ft (KB)

Total Depth: 4250.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Outside

Press@RunDepth: 349.26 psig @ 4169.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.12.21

End Date:

2020.12.22

Last Calib.:

2020.12.22

Start Time: 20:56:57

End Time:

04:10:51

Time On Btm:

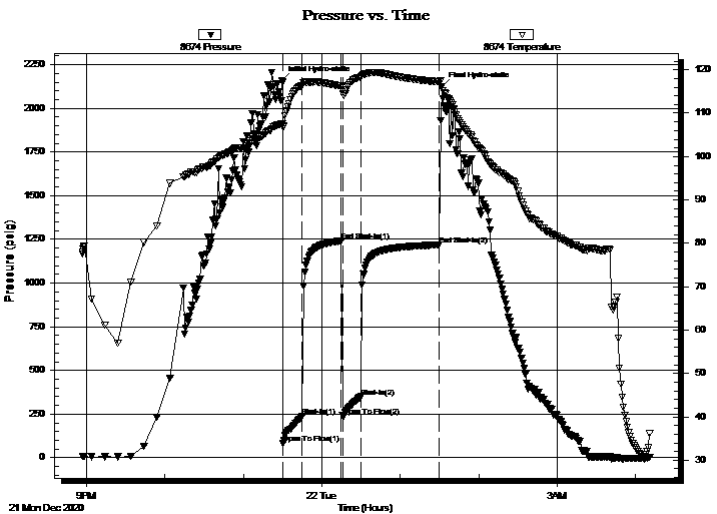
2020.12.21 @ 23:29:22

Time Off Btm:

2020.12.22 @ 01:31:52

TEST COMMENT: IF: BOB in 3 min 50"
IS: Surface blow BOB in 23 min 11"
FF: BOB in 4min 41"
FS: Surface blow built to 6" 15-30-15-60

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2158.27	107.62	Initial Hydro-static
1	82.42	106.77	Open To Flow (1)
16	237.79	116.37	Shut-In(1)
46	1241.15	116.25	End Shut-In(1)
47	237.40	114.45	Open To Flow (2)
61	349.26	118.30	Shut-In(2)
121	1219.21	117.23	End Shut-In(2)
123	2126.26	116.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	gocm 10%g 20%o 70%m	0.62
189.00	mco 10%g 50%o 40%m	1.59
315.00	go 40%g 60%o	4.42
252.00	go 20%g 80%o	3.53
0.00	378 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

18-15-33 Logan, KS

115 C Belmont #12
Wichita, KS 67208

McDaniel Trust #1-18

Job Ticket: 66789

DST#: 2

ATTN: Larry Nicholson

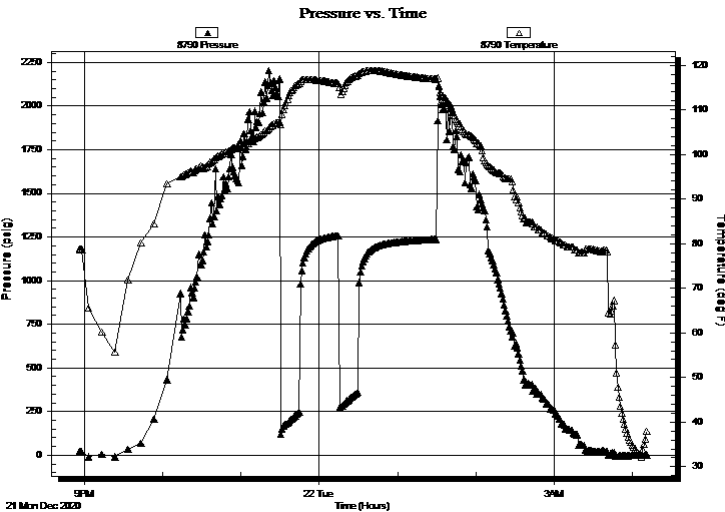
Test Start: 2020.12.21 @ 20:56:52

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:30:22
 Time Test Ended: 04:10:52
 Interval: **4168.00 ft (KB) To 4250.00 ft (KB) (TVD)**
 Total Depth: 4250.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2885.00 ft (KB)
 2874.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8790 Inside
 Press@RunDepth: psig @ 4169.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.12.21 End Date: 2020.12.22 Last Calib.: 2020.12.22
 Start Time: 20:56:42 End Time: 04:10:36 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB in 3 min 50"
 IS: Surface blow BOB in 23 min 11"
 FF: BOB in 4min 41"
 FS: Surface blow built to 6" 15-30-15-60



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
126.00	gocm 10%g 20%o 70%m	0.62
189.00	mcco 10%g 50%o 40%m	1.59
315.00	go 40%g 60%o	4.42
252.00	go 20%g 80%o	3.53
0.00	378 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

18-15-33 Logan,KS

115 C Belmont #12
Wichita, KS 67208

McDaniel Trust #1-18

Job Ticket: 66789

DST#: 2

ATTN: Larry Nicholson

Test Start: 2020.12.21 @ 20:56:52

Tool Information

Drill Pipe:	Length: 3923.00 ft	Diameter: 3.80 inches	Volume: 55.03 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: 30000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4168.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	112.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4139.00	
Shut In Tool	5.00			4144.00	
Hydraulic tool	5.00			4149.00	
Jars	5.00			4154.00	
EM Tool	3.00			4157.00	
Safety Joint	2.00			4159.00	
Packer	5.00			4164.00	30.00 Bottom Of Top Packer
Packer	4.00			4168.00	
Stubb	1.00			4169.00	
Recorder	0.00	8790	Inside	4169.00	
Recorder	0.00	8674	Outside	4169.00	
Perforations	13.00			4182.00	
Change Over Sub	1.00			4183.00	
Drill Pipe	63.00			4246.00	
Change Over Sub	1.00			4247.00	
Bullnose	3.00			4250.00	82.00 Bottom Packers & Anchor
Total Tool Length:	112.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

18-15-33 Logan,KS

115 C Belmont #12
Wichita, KS 67208

McDaniel Trust #1-18

Job Ticket: 66789

DST#: 2

ATTN: Larry Nicholson

Test Start: 2020.12.21 @ 20:56:52

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	gocm 10%g 20%o 70%m	0.620
189.00	mcgo 10%g 50%o 40%m	1.594
315.00	go 40%g 60%o	4.419
252.00	go 20%g 80%o	3.535
0.00	378 GIP	0.000

Total Length: 882.00 ft

Total Volume: 10.168 bbl

Num Fluid Samples: 0

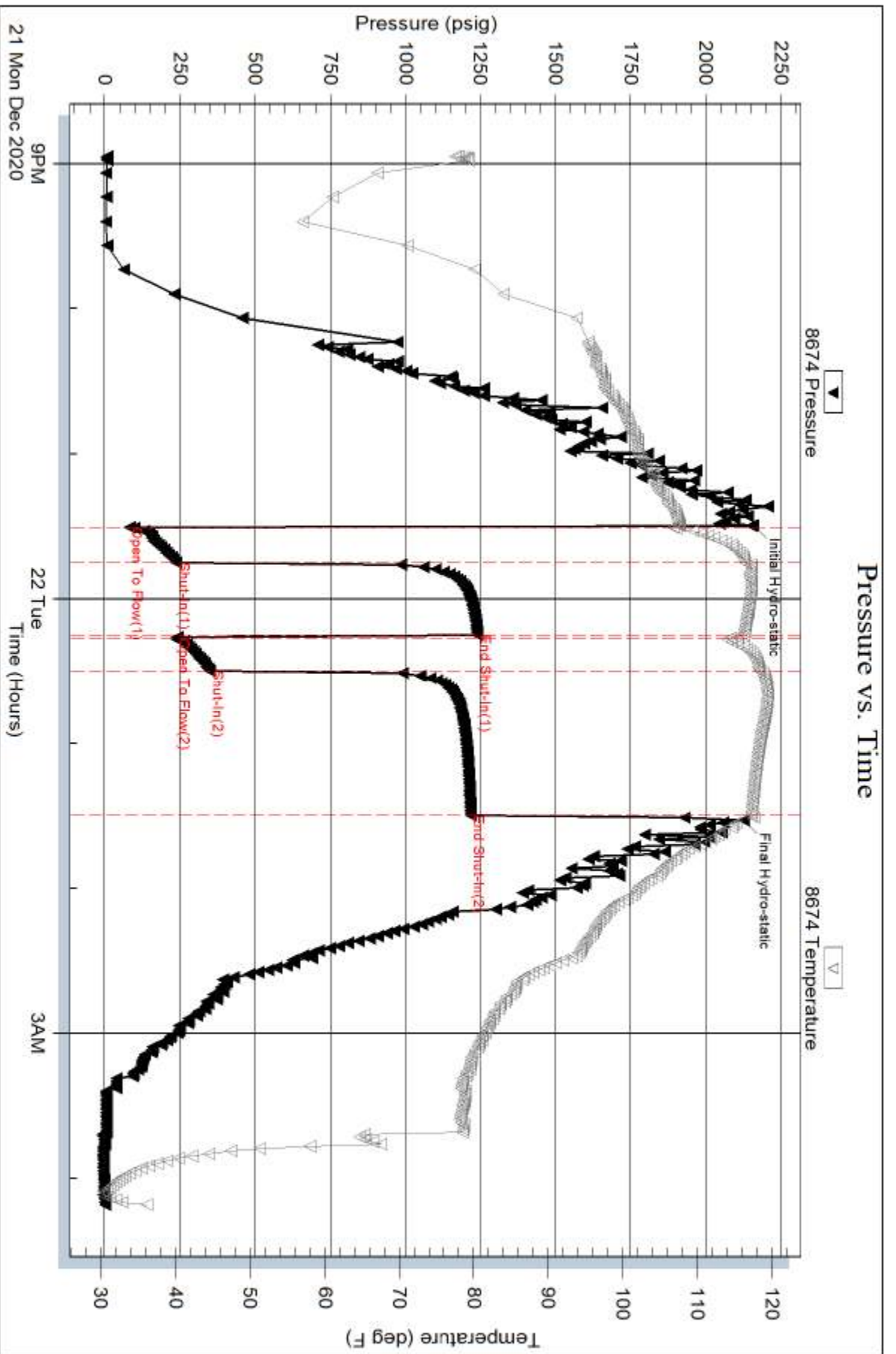
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 32@40=34



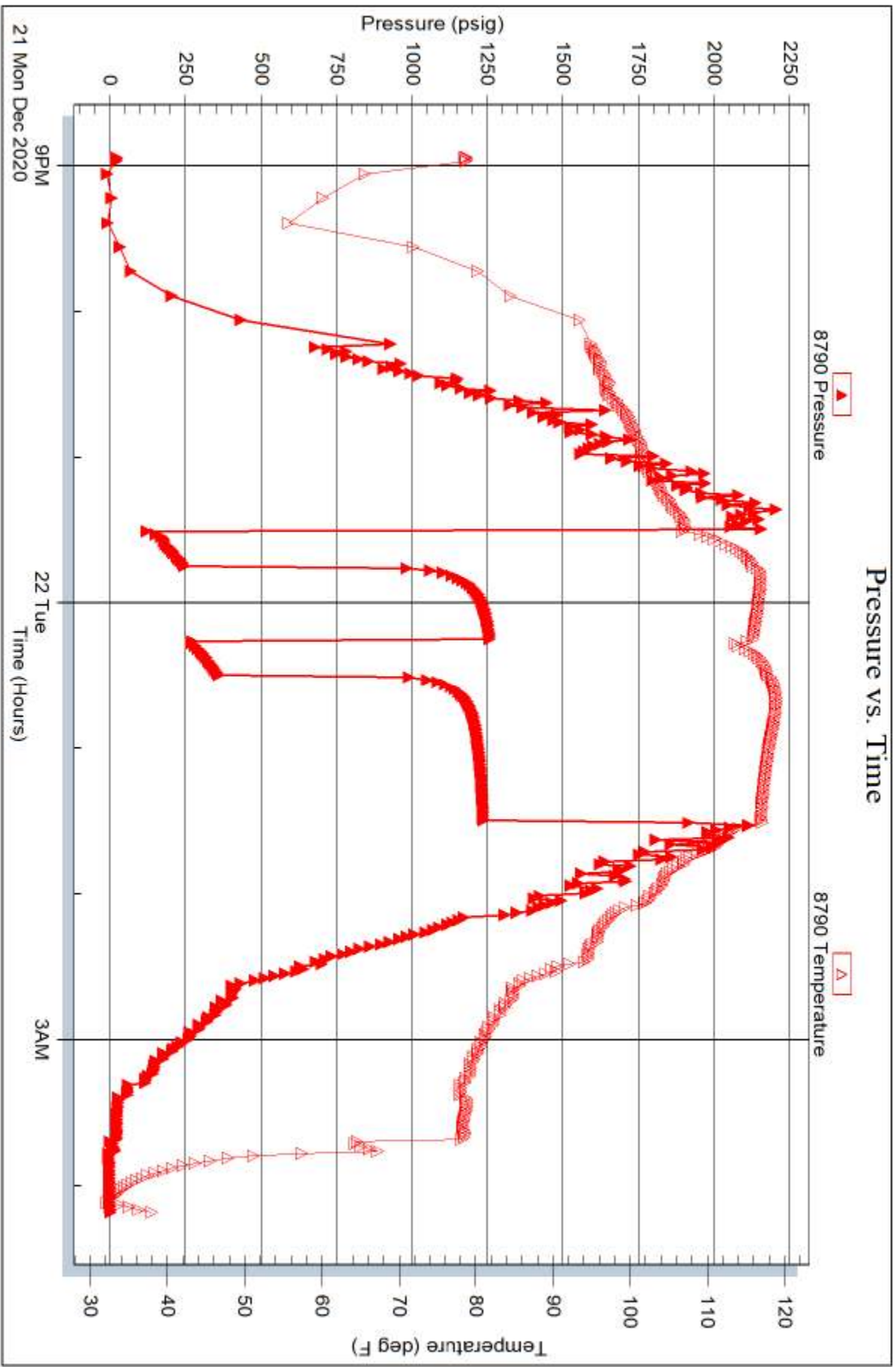
Serial #: 8790

Inside

Cobalt Energy LLC

McDaniel Trust#1-18

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 66789

Printed: 2020.12.23 @ 11:05:01



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

115 C Belmont #12
Wichita, KS 67208

ATTN: Larry Nicholson

McDaniel Trust #1-18

18-15-33 Logan,KS

Start Date: 2020.12.20 @ 00:16:24

End Date: 2020.12.20 @ 08:23:54

Job Ticket #: 66788 DST #: 1

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

Printed: 2020.12.23 @ 11:10:09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

18-15-33 Logan,KS

115 C Belmont #12
Wichita, KS 67208

McDaniel Trust #1-18

ATTN: Larry Nicholson

Job Ticket: 66788

DST#: 1

Test Start: 2020.12.20 @ 00:16:24

GENERAL INFORMATION:

Formation: **LKC C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:43:24

Time Test Ended: 08:23:54

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 3836.00 ft (KB) To 3874.00 ft (KB) (TVD)

Reference Elevations: 2885.00 ft (KB)

Total Depth: 3874.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Outside

Press@RunDepth: 156.12 psig @ 3837.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.12.20 End Date: 2020.12.20

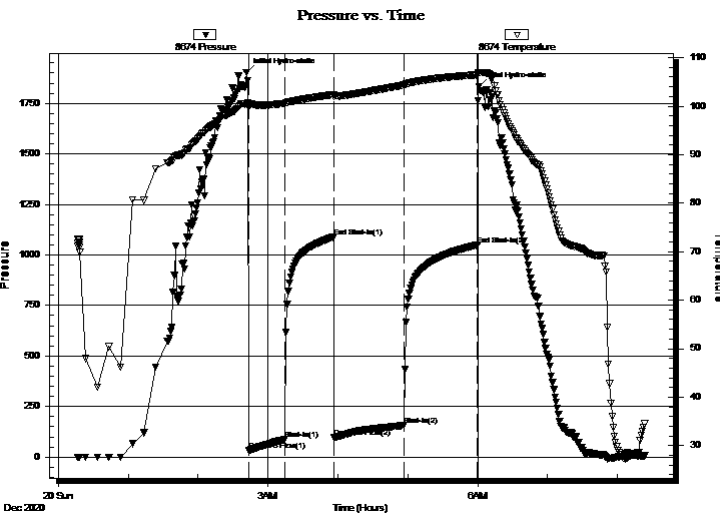
Last Calib.: 2020.12.20

Start Time: 00:16:29 End Time: 08:23:53

Time On Btm: 2020.12.20 @ 02:41:24

Time Off Btm: 2020.12.20 @ 06:01:24

TEST COMMENT: IF: 1/2" blow built to 5 3/4"
IS: No return.
FF: 1/4" blow built to 7 1/4"
FS: No return. 30-45-60-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1902.84	100.43	Initial Hydro-static
2	34.09	99.78	Open To Flow (1)
33	87.14	100.55	Shut-In(1)
75	1088.20	102.39	End Shut-In(1)
76	96.61	102.00	Open To Flow (2)
136	156.12	104.36	Shut-In(2)
199	1049.06	106.46	End Shut-In(2)
200	1832.56	106.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
121.00	ocmw 5%o 85%w 10%m	0.60
121.00	ocw m 5%o 45%w 50%m	0.60
63.00	mcgo 5%g 85%o 10%m	0.88

Gas Rates

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



DRILL STEM TEST REPORT

Cobalt Energy LLC

18-15-33 Logan,KS

115 C Belmont #12
Wichita, KS 67208

McDaniel Trust #1-18

Job Ticket: 66788

DST#: 1

ATTN: Larry Nicholson

Test Start: 2020.12.20 @ 00:16:24

GENERAL INFORMATION:

Formation: **LKC C**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 02:43:24
 Tester: Brandon Turley
 Time Test Ended: 08:23:54
 Unit No: 79
Interval: 3836.00 ft (KB) To 3874.00 ft (KB) (TVD)
 Reference Elevations: 2885.00 ft (KB)
 Total Depth: 3874.00 ft (KB) (TVD)
 2874.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 11.00 ft

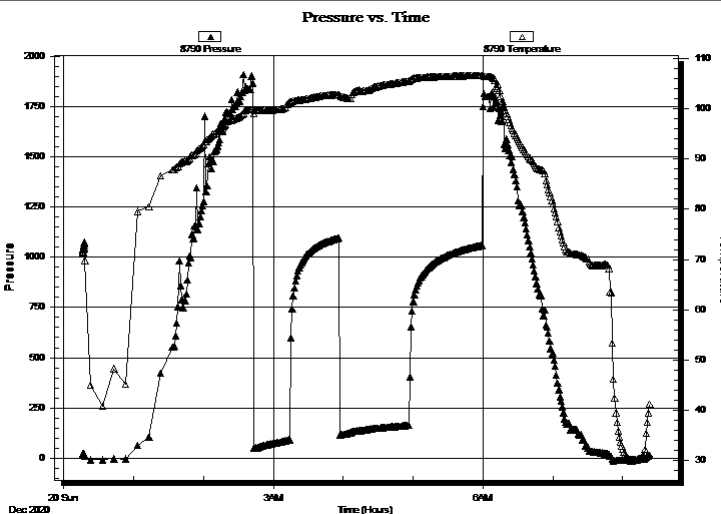
Serial #: 8790

Inside

Press@RunDepth: psig @ 3837.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.12.20 End Date: 2020.12.20 Last Calib.: 2020.12.20
 Start Time: 00:16:14 End Time: 08:23:38 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1/2" blow built to 5 3/4"
 IS: No return.
 FF: 1/4" blow built to 7 1/4"
 FS: No return. 30-45-60-60

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
121.00	ocmw 5%o 85%w 10%m	0.60
121.00	ocw m 5%o 45%w 50%m	0.60
63.00	mcgo 5%g 85%o 10%m	0.88

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

18-15-33 Logan,KS

115 C Belmont #12
Wichita, KS 67208

McDaniel Trust #1-18

Job Ticket: 66788

DST#: 1

ATTN: Larry Nicholson

Test Start: 2020.12.20 @ 00:16:24

Tool Information

Drill Pipe:	Length: 3576.00 ft	Diameter: 3.80 inches	Volume: 50.16 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: 30000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 51.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3836.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3807.00	
Shut In Tool	5.00			3812.00	
Hydraulic tool	5.00			3817.00	
Jars	5.00			3822.00	
EM Tool	3.00			3825.00	
Safety Joint	2.00			3827.00	
Packer	5.00			3832.00	30.00 Bottom Of Top Packer
Packer	4.00			3836.00	
Stubb	1.00			3837.00	
Recorder	0.00	8790	Inside	3837.00	
Recorder	0.00	8674	Outside	3837.00	
Perforations	1.00			3838.00	
Change Over Sub	1.00			3839.00	
Drill Pipe	31.00			3870.00	
Change Over Sub	1.00			3871.00	
Bullnose	3.00			3874.00	38.00 Bottom Packers & Anchor
Total Tool Length:	68.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

18-15-33 Logan,KS

115 C Belmont #12
Wichita, KS 67208

McDaniel Trust #1-18

Job Ticket: 66788

DST#: 1

ATTN: Larry Nicholson

Test Start: 2020.12.20 @ 00:16:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

19 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
121.00	ocmw 5%o 85%w 10%m	0.595
121.00	ocw m 5%o 45%w 50%m	0.595
63.00	mcgo 5%g 85%o 10%m	0.884

Total Length: 305.00 ft Total Volume: 2.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

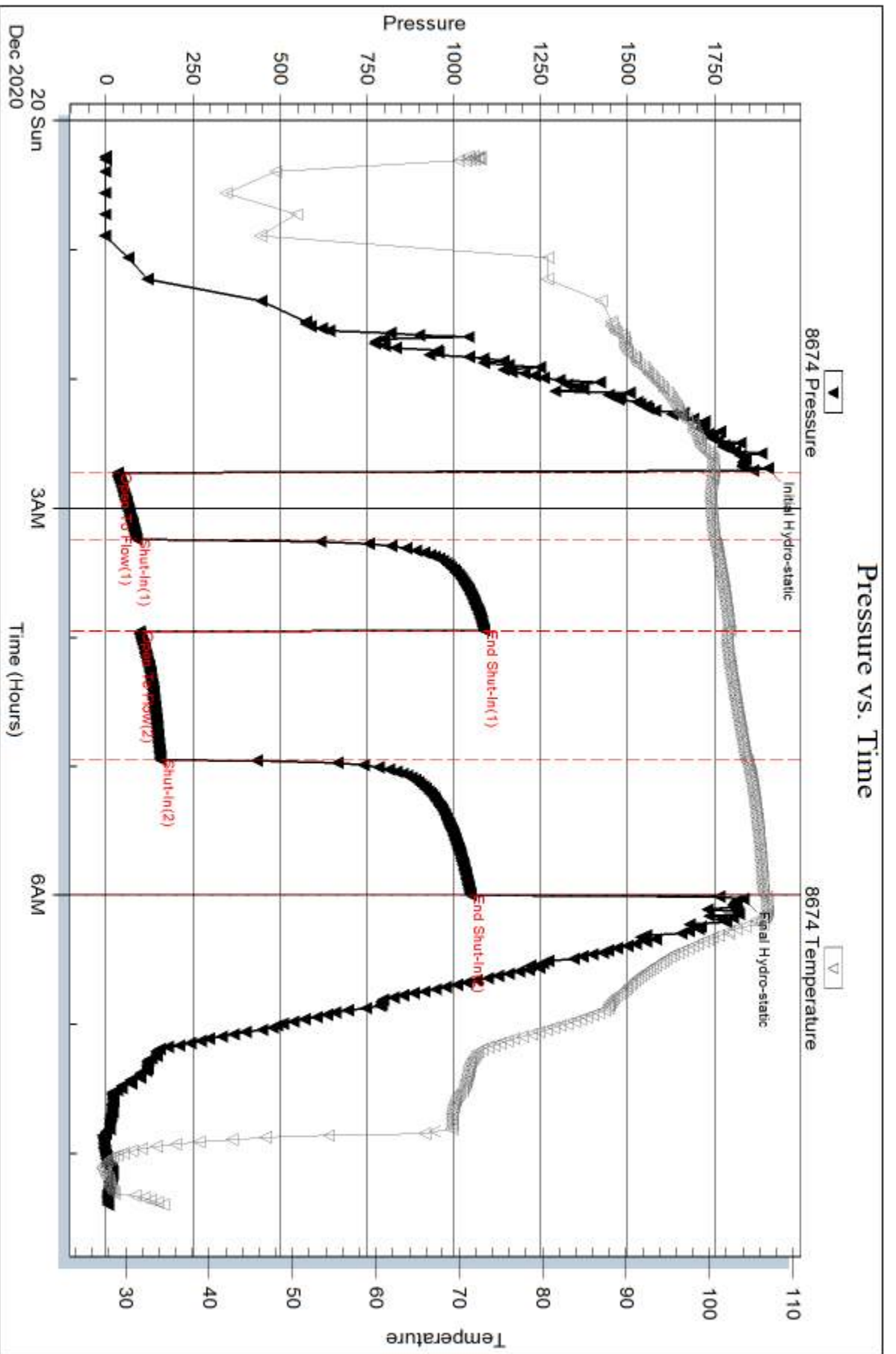
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 19@60=19

.56@29=30000



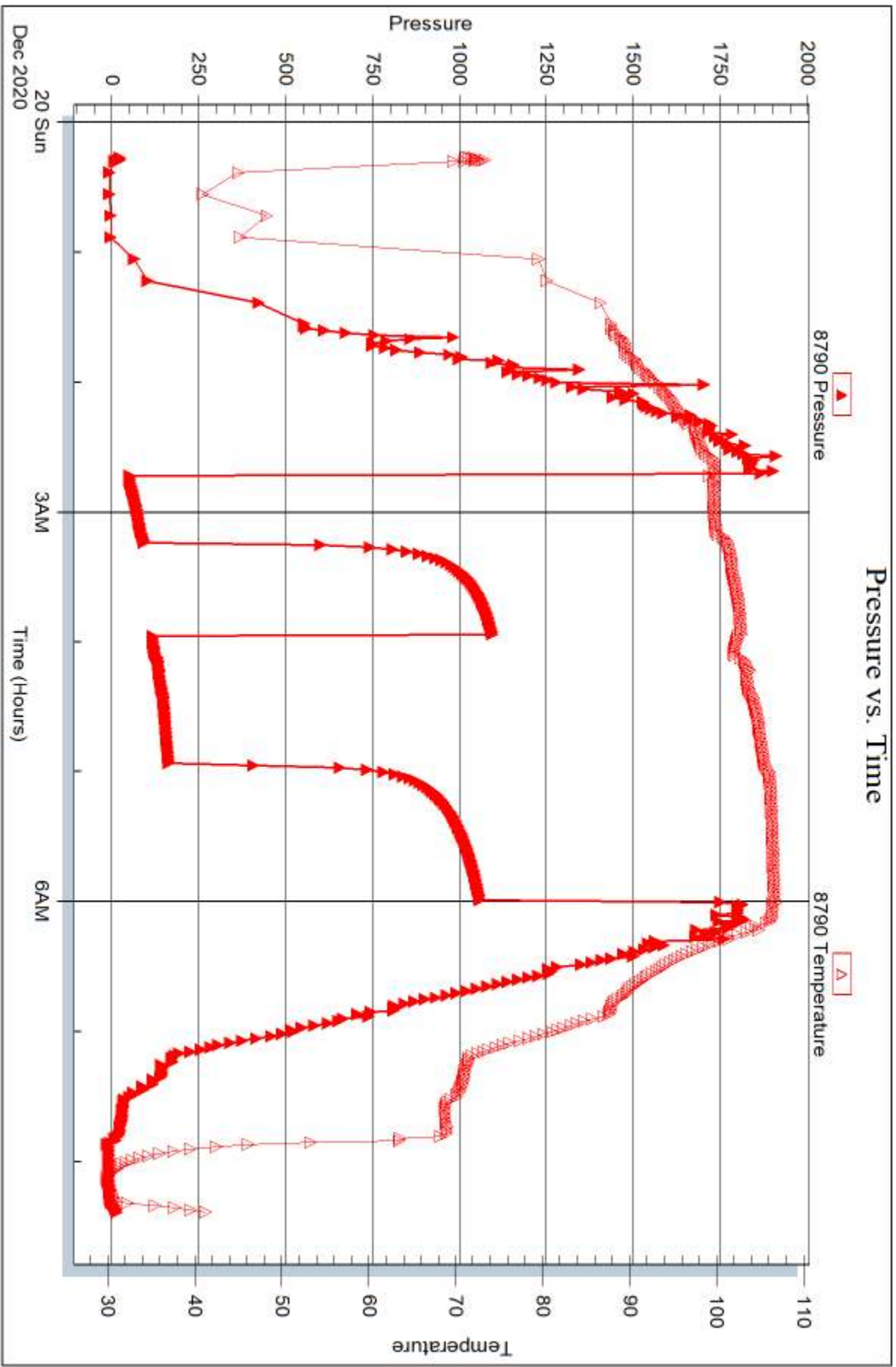
Serial #: 8790

Inside

Cobalt Energy LLC

McDaniel Trust #1-18

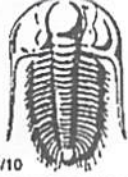
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 66788

Printed: 2020.12.23 @ 11:10:09



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66788

Well Name & No. McDaniel Trust 1-18 Test No. 1 Date 12-19-20
 Company Cobalt Energy LLC Elevation 2885 KB 2874 GL
 Address 1155 Belmont #12 Wichita, KS 67208
 Co. Rep / Geo. Larry Nicholson Rig Murfin 21
 Location: Sec. 18 Twp 15 Rge. 33 Co. Logan State KS

Interval Tested 3886 3874 Zone Tested Lensing C
 Anchor Length 38 Drill Pipe Run 3576 Mud Wt. 8.7
 Top Packer Depth 3831 Drill Collars Run 242 Vis 50
 Bottom Packer Depth 3836 Wt. Pipe Run --- WL 7.2
 Total Depth 3874 Chlorides 1500 ppm System LCM 1

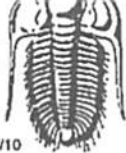
Blow Description IF: 1/2 blow built to 5 3/4,
IS: No return.
FF: 1/4 blow built to 7 1/4,
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>MC90</u>	<u>5</u>	<u>85</u>	<u>10</u>	
<u>121</u>	<u>OCWM</u>		<u>5</u>	<u>45</u>	<u>50</u>
<u>121</u>	<u>OCMW</u>		<u>5</u>	<u>85</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec Total <u>305</u>	BHT <u>1088</u>	Gravity <u>19</u>	API RW <u>.56 @ 29</u>	F Chlorides <u>30,000</u>	ppm

(A) Initial Hydrostatic 1902 Test 1200 T-On Location 22:30
 (B) First Initial Flow 34 Jars 250 T-Started 00:16
 (C) First Final Flow 87 Safety Joint 75 T-Open 2:43
 (D) Initial Shut-In 1088 Circ Sub NIL T-Pulled 5:58
 (E) Second Initial Flow 96 Hourly Standby T-Out 8:20
 (F) Second Final Flow 156 Mileage 60 - 60 Comments _____
 (G) Final Shut-In 1049 Sampler _____
 (H) Final Hydrostatic 1832 Straddle _____ EM Tool 350
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer 320
 Extra Recorder _____ Extra Copies _____
 Initial Open 30 Day Standby _____ Sub Total 320
 Initial Shut-In 45 Accessibility _____ Total 1905
 Final Flow 60 Sub Total 1585 MP/DST Disc't _____
 Final Shut-In 60

Approved By: [Signature] Our Representative: [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66789

Well Name & No. McDaniel Trust 1-18 Test No. 2 Date 12-21-20
 Company Cobalt Energy LLC Elevation 2885 KB 2874 GL
 Address _____
 Co. Rep / Geo. Larry Nicholson Rig Murfin 21
 Location: Sec. 18 Twp 15 Rge. 33 Co. Logan State KS

Interval Tested 4168 4250 Zone Tested Marmaton
 Anchor Length 82 Drill Pipe Run _____ Mud Wt. 9.3
 Top Packer Depth 4163 Drill Collars Run 242 Vis 53
 Bottom Packer Depth 4168 Wt. Pipe Run _____ WL 8.0
 Total Depth 4250 Chlorides 4000 ppm System LCM 2
 Blow Description IFI BoB in 3 min. 50"
ISI Surface blow BOB in 23 min. 11"
FF: BoB in 4 min. 41"
FSI Surface blow built to 6.

Rec	Feet of	%gas	%oil	%water	%mud
<u>252</u>	<u>90</u>	<u>20</u>	<u>80</u>		
<u>315</u>	<u>90</u>	<u>40</u>	<u>60</u>		
<u>189</u>	<u>MC90</u>	<u>10</u>	<u>50</u>		<u>40</u>
<u>126</u>	<u>90CM</u>	<u>10</u>	<u>20</u>		<u>70</u>
Rec	Feet of <u>3786±P</u>	%gas	%oil	%water	%mud
Rec Total	<u>882</u>	BHT <u>117</u>	Gravity <u>34</u>	API RW <u>-</u>	@ <u>-</u> °F Chlorides <u>-</u> ppm

(A) Initial Hydrostatic 2158 Test 1300 T-On Location 20:10
 (B) First Initial Flow 82 Jars 250 T-Started 20:56
 (C) First Final Flow 237 Safety Joint 75 T-Open 23:29
 (D) Initial Shut-In 1241 Circ Sub NIL T-Pulled 1:29
 (E) Second Initial Flow 237 Hourly Standby _____ T-Out 4:10
 (F) Second Final Flow 349 Mileage 60-x2 120 Comments _____
 (G) Final Shut-In 1219 Sampler _____ loaded tools 12/22 20:00
 (H) Final Hydrostatic 2126 Straddle _____ EM Tool 350
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1745
 Sub Total 1745 MP/DST Disc'l _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 60

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.