

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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## DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037  
Wichita, KS 67208

ATTN: Larry Nicholson

### **Ward #1-7**

### **7-29s-41w Stanton, KS**

Start Date: 2021.03.30 @ 20:39:58

End Date: 2021.03.31 @ 06:30:28

Job Ticket #: 66829                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.04.02 @ 11:39:52



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Cobalt Energy LLC

**7-29s-41w Stanton, KS**

PO Box 8037  
Wichita, KS 67208

**Ward #1-7**

Job Ticket: 66829

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2021.03.30 @ 20:39:58

## GENERAL INFORMATION:

Formation: **Keys Haney Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:32:58

Time Test Ended: 06:30:28

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: **5372.00 ft (KB) To 5472.00 ft (KB) (TVD)**

Reference Elevations: 3468.00 ft (KB)

Total Depth: 5472.00 ft (KB) (TVD)

3458.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8674 Outside**

Press@RunDepth: 46.66 psig @ 5373.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.03.30

End Date:

2021.03.31

Last Calib.: 2021.03.31

Start Time: 20:40:03

End Time:

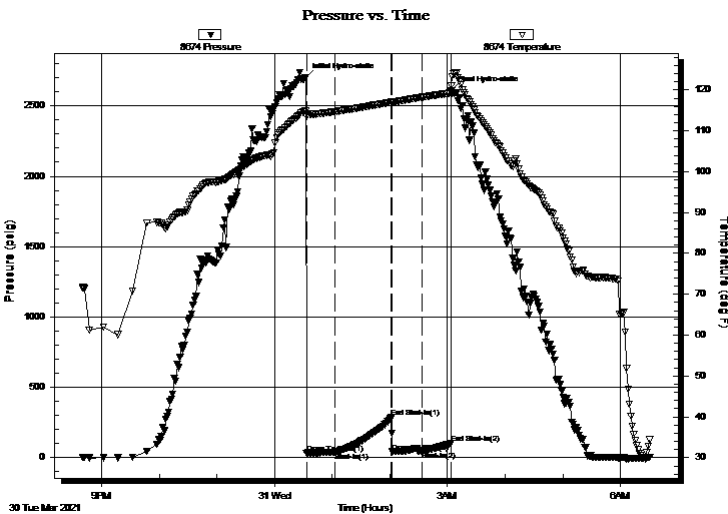
06:30:28

Time On Btm: 2021.03.31 @ 00:31:58

Time Off Btm: 2021.03.31 @ 03:03:58

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

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2700.71	114.85	Initial Hydro-static
1	31.61	113.51	Open To Flow (1)
31	38.75	114.71	Shut-In(1)
90	283.94	116.99	End Shut-In(1)
91	40.63	117.03	Open To Flow (2)
122	46.66	118.22	Shut-In(2)
152	99.96	119.24	End Shut-In(2)
152	2609.94	121.02	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud 100%m	0.30

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Cobalt Energy LLC

**7-29s-41w Stanton, KS**

PO Box 8037  
Wichita, KS 67208

**Ward #1-7**

Job Ticket: 66829

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2021.03.30 @ 20:39:58

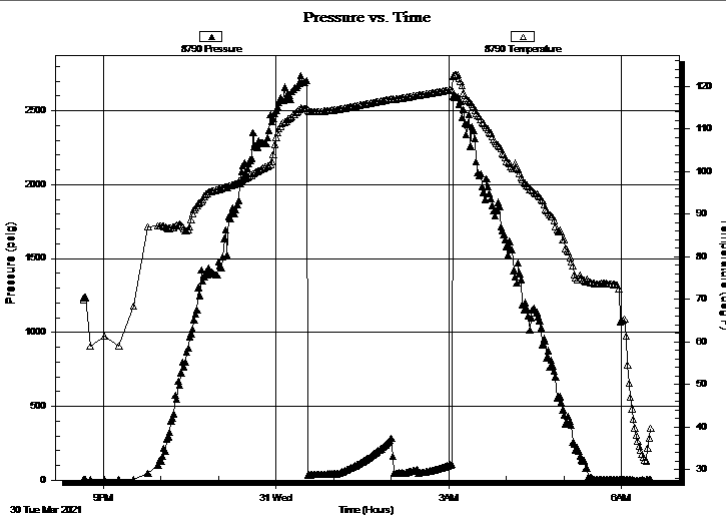
**GENERAL INFORMATION:**

Formation: **Keys Haney Sand**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 00:32:58 Tester: Brandon Turley  
 Time Test Ended: 06:30:28 Unit No: 79  
**Interval: 5372.00 ft (KB) To 5472.00 ft (KB) (TVD)** Reference Elevations: 3468.00 ft (KB)  
 Total Depth: 5472.00 ft (KB) (TVD) 3458.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 10.00 ft

**Serial #: 8790** **Inside**

Press@RunDepth: psig @ 5373.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.03.30 End Date: 2021.03.31 Last Calib.: 2021.03.31  
 Start Time: 20:39:43 End Time: 06:30:08 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: 1/2" blow built to 2"  
 IS: No return.  
 FF: Surface blow built to 1/4"  
 FS: No return. 30-60-30-30



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
62.00	mud 100%m	0.30

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Cobalt Energy LLC

**7-29s-41w Stanton, KS**

PO Box 8037  
Wichita, KS 67208

**Ward #1-7**

Job Ticket: 66829

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2021.03.30 @ 20:39:58

## Tool Information

Drill Pipe:	Length: 5128.00 ft	Diameter: 3.80 inches	Volume: 71.93 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: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 750000.0 lb
			<u>Total Volume: 73.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	5372.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	130.00 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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Stubb	1.00			5343.00	
Shut In Tool	5.00			5348.00	
Hydraulic tool	5.00			5353.00	
Jars	5.00			5358.00	
EM Tool	3.00			5361.00	
Safety Joint	2.00			5363.00	
Packer	5.00			5368.00	30.00 Bottom Of Top Packer
Packer	4.00			5372.00	
Stubb	1.00			5373.00	
Recorder	0.00	8790	Inside	5373.00	
Recorder	0.00	8674	Outside	5373.00	
Perforations	1.00			5374.00	
Change Over Sub	1.00			5375.00	
Drill Pipe	93.00			5468.00	
Change Over Sub	1.00			5469.00	
Bullnose	3.00			5472.00	100.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>130.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Cobalt Energy LLC

**7-29s-41w Stanton, KS**

PO Box 8037  
Wichita, KS 67208

**Ward #1-7**

Job Ticket: 66829

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2021.03.30 @ 20:39:58

## Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.39 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	600.00 ppm				
Filter Cake:	1.00 inches				

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mud 100%m	0.305

Total Length: 62.00 ft      Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

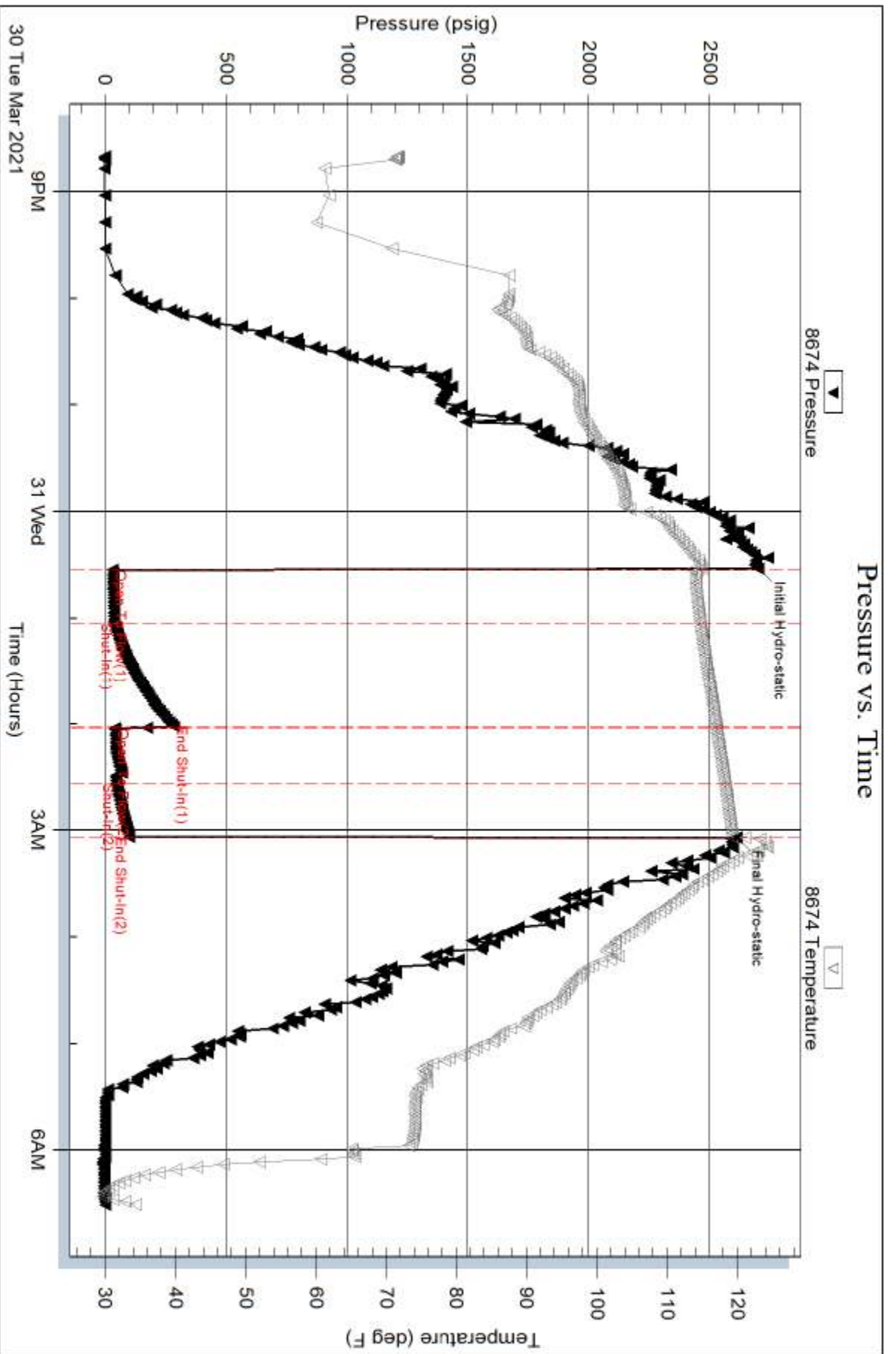
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





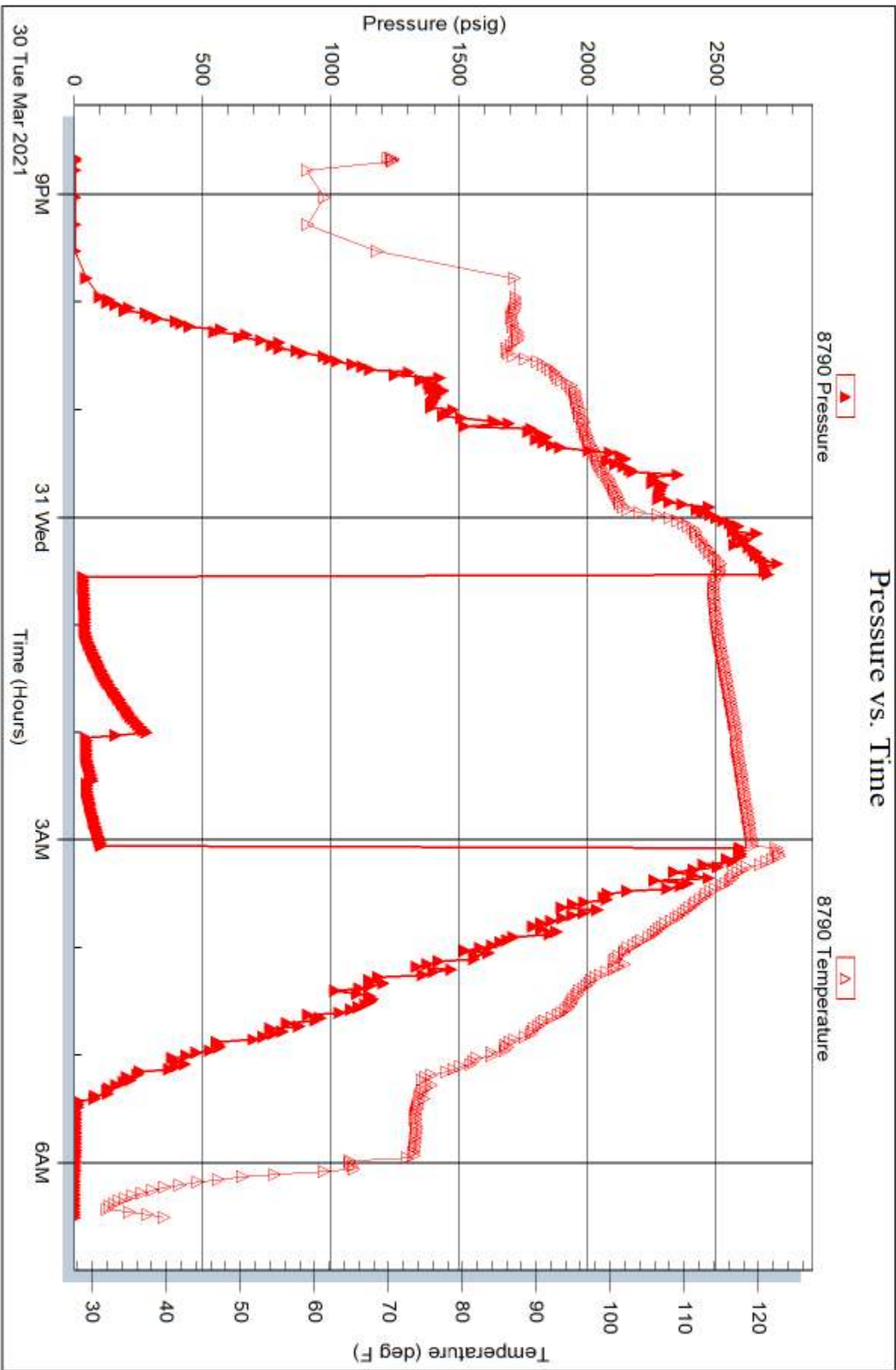
Serial #: 8790

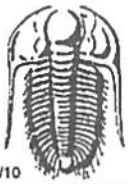
Inside

Cobalt Energy LLC

Ward #1-7

DST Test Number: 1





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 66829

Well Name & No. Ward 1-7 Test No. 1 Date 3-30-21  
 Company Cobalt Energy LLC Elevation 3468 KB 3458 GL  
 Address P.O. Box 8037 Wichita, KS 67208  
 Co. Rep / Geo. Larry Nicholson Rig Murfin 21  
 Location: Sec. 7 Twp 29 Rge. 41 Co. Stanton State KS

Interval Tested 5372 5472 Zone Tested Miss Keys Honey sand  
 Anchor Length 100 Drill Pipe Run 5128 Mud Wt. 9.0  
 Top Packer Depth 5369 Drill Collars Run 241 Vis 48  
 Bottom Packer Depth 5372 Wt. Pipe Run — WL 6.4  
 Total Depth 5472 Chlorides 600 ppm System LCM 26

Blow Description IF: 1/2 blow built to 2".  
IS: NO return.  
FF: Surface blow built to 1/4.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 62 BHT 119 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2700</u>	<input checked="" type="checkbox"/> Test <u>1400</u>	T-On Location <u>18:30</u>
(B) First Initial Flow <u>31</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>20:39</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:32</u>
(D) Initial Shut-In <u>283</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>3:02</u>
(E) Second Initial Flow <u>40</u>	<input checked="" type="checkbox"/> Hourly Standby <u>1</u>	T-Out <u>6:30</u>
(F) Second Final Flow <u>46</u>	<input checked="" type="checkbox"/> Mileage <u>240-X2</u> 480	Comments <u>out of town</u>
(G) Final Shut-In <u>99</u>	<input type="checkbox"/> Sampler	<u>loaded tools 4/1 2:45</u>
(H) Final Hydrostatic <u>2609</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350</u>

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

Sub Total 2205 MP/DST Disc't —

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.







Customer	Cobalt Energy Inc	Lease & Well #	Ward # 1-7	Date	4/1/2021				
Service District	Oakley KS	County & State	Stanton KS	Legals S/T/R	7-29-41W				
Job Type	PTA	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	Legals S/T/R	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No				
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				
208	John	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input checked="" type="checkbox"/> Required Permits	<input checked="" type="checkbox"/> Fall Protection				
180/250	Kale	<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				
		<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					
<b>Comments</b>									
Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount	Net Amount		
D012	Depth Charge: 1001'-2000'	job	1.00				\$1,275.00		
M010	Heavy Equipment Mileage	mi	100.00				\$340.00		
M015	Light Equipment Mileage	mi	100.00				\$170.00		
M020	Ton Mileage	tm	690.00				\$879.75		
CP055	H-Plug	sack	160.00				\$1,768.00		
FE290	8 5/8" Wooden Plug	ea	1.00				\$127.50		
Customer Section: On the following scale how would you rate Hurricane Services Inc.?						Gross:	\$5,365.00	Net:	\$4,560.25
Based on this job, how likely is it you would recommend HSI to a colleague? <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"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely						Total Taxable	\$ -	Tax Rate:	
						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:	\$ 4,560.25		
HSI Representative: Josh Moster									

**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 1/2% 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 Inc	Well:	Ward # 1-7	Ticket:	WP 1218
City, State:	Oakley Ks	County:	Stanton KS	Date:	4/1/2021
Field Rep:	Juan	S-T-R:	7-29-41W	Service:	PTA

Downhole Information	
Hole Size:	7.875 in
Hole Depth:	5576 ft
Casing Size:	in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	bbls

Calculated Slurry - Lead	
Blend:	H-PLUG
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.42 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	0.0406 bbs / ft.
Depth:	1670 ft
Annular Volume:	67.8 bbls
Excess:	
Total Slurry:	40.5 bbls
Total Sacks:	160 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft <sup>3</sup> / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
600A			-	-	GOT TO LOCATION/ RIG WAS PULLING DRILL COLLARS
605A					SAFETY MEETING
610A					RIGGED UP TRUCKS
1029A					LANDED PIPE/ BROAK KELLY DOWN
1055A	3.0	200.0	5.0	5.0	H2O AHEAD
1057A	3.0	200.0	12.6	17.6	PUMPED 50 SKS OF H-PLUG @ 1670 FT
1101A	3.0	100.0	19.3	36.9	DISPLACED WITH H2O
1149A	1.0	150.0	10.0	46.9	PUMPED 40 SKS OF H-PLUG @ 720 FT
1159A	3.0	100.0	6.6	53.5	DISPLACED WITH H2O
1236P	2.1	50.0	5.0	58.5	PUMPED 20 SKS OF H-PLUG @ 60FT
1248P	2.1	50.0	7.5	66.0	PUMPED 30 SKS OF H-PLUG IN RH
1253P	2.1	50.0	5.0		PUMPED 20 SKS OF H-PLUG IN MH
1255P					PLUG DOWN
100P					WASHED UP PUMP TRUCK
115P					RIGGED DOWN TRUCKS
125P					OFF LOCATION

CREW		UNIT	SUMMARY		
Cementer:	Josh	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	John	208	2.4 bpm	113 psi	71 bbls
Bulk #1:	Kale	180/250			
Bulk #2:					



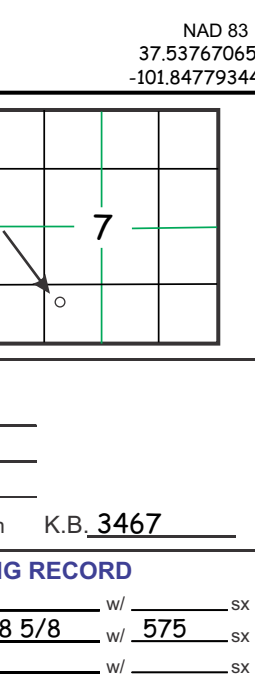
# GEOLOGICAL REPORT FINAL

## Larry A. Nicholson

375372665  
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COMPANY & WELL: Cobalt Energy, LLC Ward #1-7  
LOCATION: 1201 FSL 1399' FWL NW NW SE SW  
SEC 7 TWP 29S R9E 41W KS  
COUNTY: Stanton STATE: Kansas

COMPANY: Cobalt Energy, LLC  
API #: 15-187-21347 FIELD: NA  
LEASE: Ward WELL #: #1-7  
LOCATION: NW NW SE SW  
SURVEY: 1201 FSL 1399' FWL  
SECTION: 7 TWP 29S R9E 41W  
COUNTY: Stanton STATE: Kansas  
CONTRACTOR: Murfin TP Juon Rig # 21  
SPUD: 03-21-21 10:00 am COMP. K.B. 3467  
RTD: 5576 6:21 pm 03-31-21 LTD: 5576  
MUD TYPE: Chemical Mud-Co Tony  
EVALUATIONS: All measurements from K.B. 3467  
G.L.: 3456  
D.F.:  
CASING RECORD: 8 5/8" @ 575' 10"  
10" @ 395'  
12" @ 154'  
14" @ 112'  
16" @ 70'  
18" @ 28'  
20" @ 14'

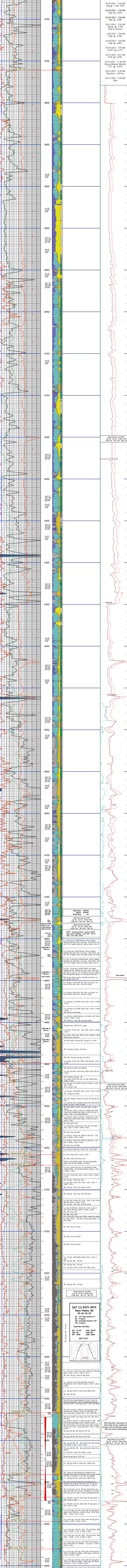
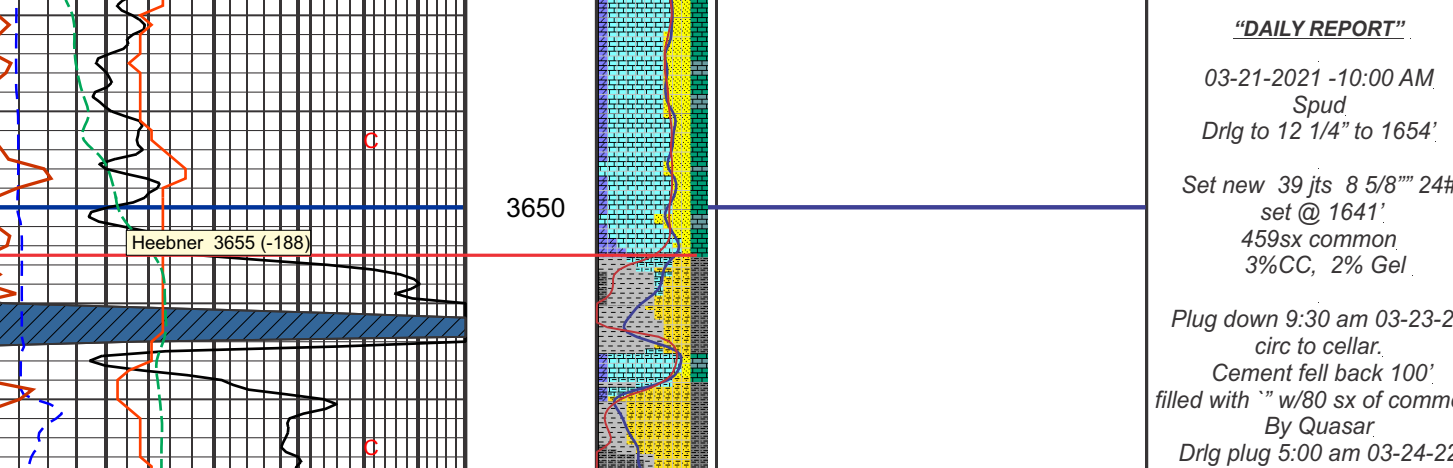


### FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELEC LOG TOPS	SUBSEA DATUM	REFERENCE WELL
Hubber			3659	-194	A
Lansing			3761	-294	B
Atoka			4949	-1482	
Morrow Shale			5054	-1591	
Mw Mwr Mwr			5071	-1604	
Lwr Mwr Mwr			5367	-1900	
Keys Honey Sd			5441	-1974	
St Gen			5458	-2001	
St Gen			5497	-2030	
St. Louis			5530	-2063	
RTD			5576	-2109	
LTD			5576	-2109	

DRILLSTEM TEST SUMMARY: Dst #1 5372-5472 (Keys Honey Sd) 30 60 30 30 Rec Total Fluid 60' M IF 1/2" blow built to 2" BIT 19

REMARKS & RECOMMENDATIONS: The zones of interest were not developed as indicated. A full sample lacking sand development. Low porosity por. The edges, no significant gas kicks. The well was recommended for P&A.



### DST (1) 5372-5472

Keys Honey Sd  
30-60-30-30  
IF: 1/2" blow built to 2"  
FF: surf blow built to 14"  
Total Rec: 60' Mud  
F.S. in return

SP: 31-38	FFF: 40-46
HP: 2700	FFP: 2609

BHT 119' F

RIG Checked Generator Oil left at site 43 Hz, triple kick breaks and shut off gas detector. Did not notice immediately.

RTD 5576 6:21 pm 03/31/2021 LTD 5576