

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	WEGMAN-KINSLER UNIT 1-15
Doc ID	1522884

All Electric Logs Run

dual induction
sonic
micro
neutron-density



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

115 S. Belmont #12
P.O. Box 8037
Wichita, Ks. 67208

ATTN: Corey Baker

Wegman-Kinsler 1-35

15-27s-8w Kingman Co. Ks

Start Date: 2020.06.28 @ 15:48:10

End Date: 2020.06.28 @ 23:22:55

Job Ticket #: 65472 DST #: 2

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

Printed: 2020.07.02 @ 15:55:08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC

15-27s-8w Kingman Co. Ks

115 S. Belmont #12
P.O. Box 8037
Wichita, Ks. 67208
ATTN: Corey Baker

Wegman-Kinsler 1-35

Job Ticket: 65472 **DST#: 2**
Test Start: 2020.06.28 @ 15:48:10

GENERAL INFORMATION:

Formation: **Hertha**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:44:10
Time Test Ended: 23:22:55
Interval: **3698.00 ft (KB) To 3730.00 ft (KB) (TVD)**
Total Depth: 3730.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1645.00 ft (KB)
1635.00 ft (CF)
KB to GR/CF: 10.00 ft

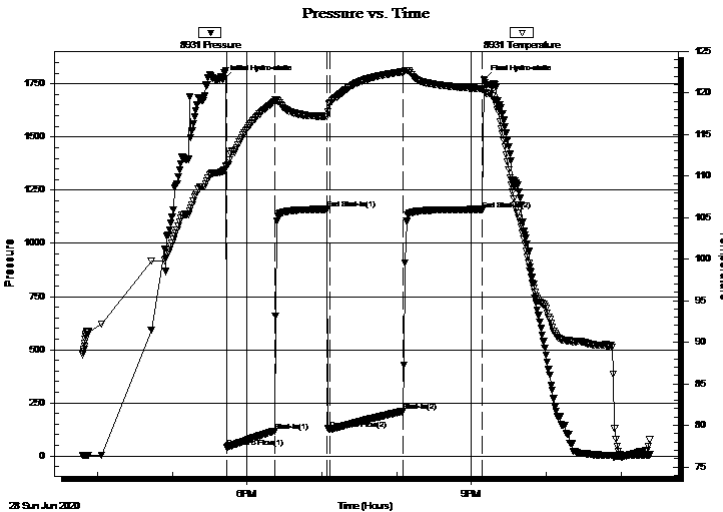
Serial #: 8931

Inside

Press@RunDepth: 210.06 psig @ 3699.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2020.06.28 End Date: 2020.06.28 Last Calib.: 2020.06.29
Start Time: 15:48:15 End Time: 23:22:54 Time On Btm: 2020.06.28 @ 17:40:55
Time Off Btm: 2020.06.28 @ 21:09:55

TEST COMMENT: IF: Strong Blow . B.O.B. in 18 mins. Built to 20.84".
IS: No Blow .
FF: Strong Blow . B.O.B. in 40 mins. Built to 17.30".
FS: No Blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1771.88	110.55	Initial Hydro-static
4	41.76	111.18	Open To Flow (1)
41	116.91	118.93	Shut-In(1)
84	1160.31	117.17	End Shut-In(1)
86	125.80	118.76	Open To Flow (2)
144	210.06	122.50	Shut-In(2)
208	1159.58	120.48	End Shut-In(2)
209	1768.04	120.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	GSOMCW 5%g 2%o 40%m 53%w	0.90
64.00	GMCW 2%g 7%m 91%w	0.90
256.00	MCW 7%m 95%w	3.59
8.00	MCW 20%m 80%w	0.11

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

15-27s-8w Kingman Co. Ks

115 S. Belmont #12
P.O. Box 8037
Wichia , Ks. 67208
ATTN: Corey Baker

Wegman-Kinsler 1-35

Job Ticket: 65472 **DST#: 2**

Test Start: 2020.06.28 @ 15:48:10

Tool Information

Drill Pipe:	Length: 3684.00 ft	Diameter: 3.80 inches	Volume: 51.68 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.80 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 51.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3698.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	65.00 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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Change Over Sub	1.00			3666.00	
Shut In Tool	5.00			3671.00	
Hydraulic tool	5.00			3676.00	
Jars	5.00			3681.00	
EM	5.00			3686.00	
Safety Joint	3.00			3689.00	
Packer	4.00			3693.00	33.00 Bottom Of Top Packer
Packer	5.00			3698.00	
Stubb	1.00			3699.00	
Recorder	0.00	8931	Inside	3699.00	
Recorder	0.00	8788	Outside	3699.00	
Perforations	28.00			3727.00	
Bullnose	3.00			3730.00	32.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

15-27s-8w Kingman Co. Ks

115 S. Belmont #12
P.O. Box 8037
Wichita, Ks. 67208
ATTN: Corey Baker

Wegman-Kinsler 1-35

Job Ticket: 65472 **DST#: 2**
Test Start: 2020.06.28 @ 15:48:10

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 10.38 in³
Resistivity: ohm.m
Salinity: 10000.00 ppm
Filter Cake: 0.20 inches

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

Oil API: deg API
Water Salinity: 72000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
64.00	GSOMCW 5%g 2%o 40%m 53%w	0.898
64.00	GMCW 2%g 7%m 91%w	0.898
256.00	MCW 7%m 95%w	3.591
8.00	MCW 20%m 80%w	0.112

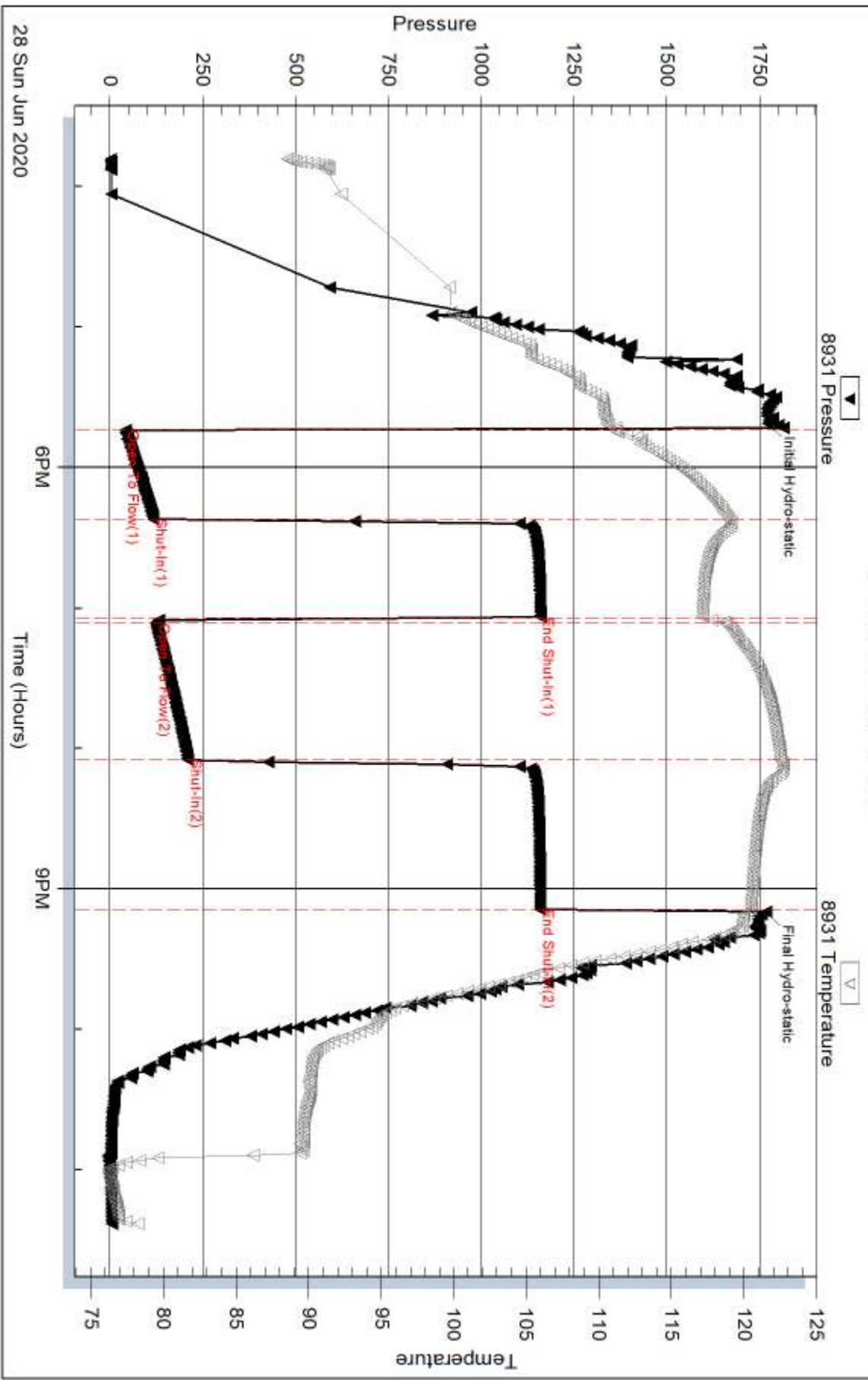
Total Length: 392.00 ft Total Volume: 5.499 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

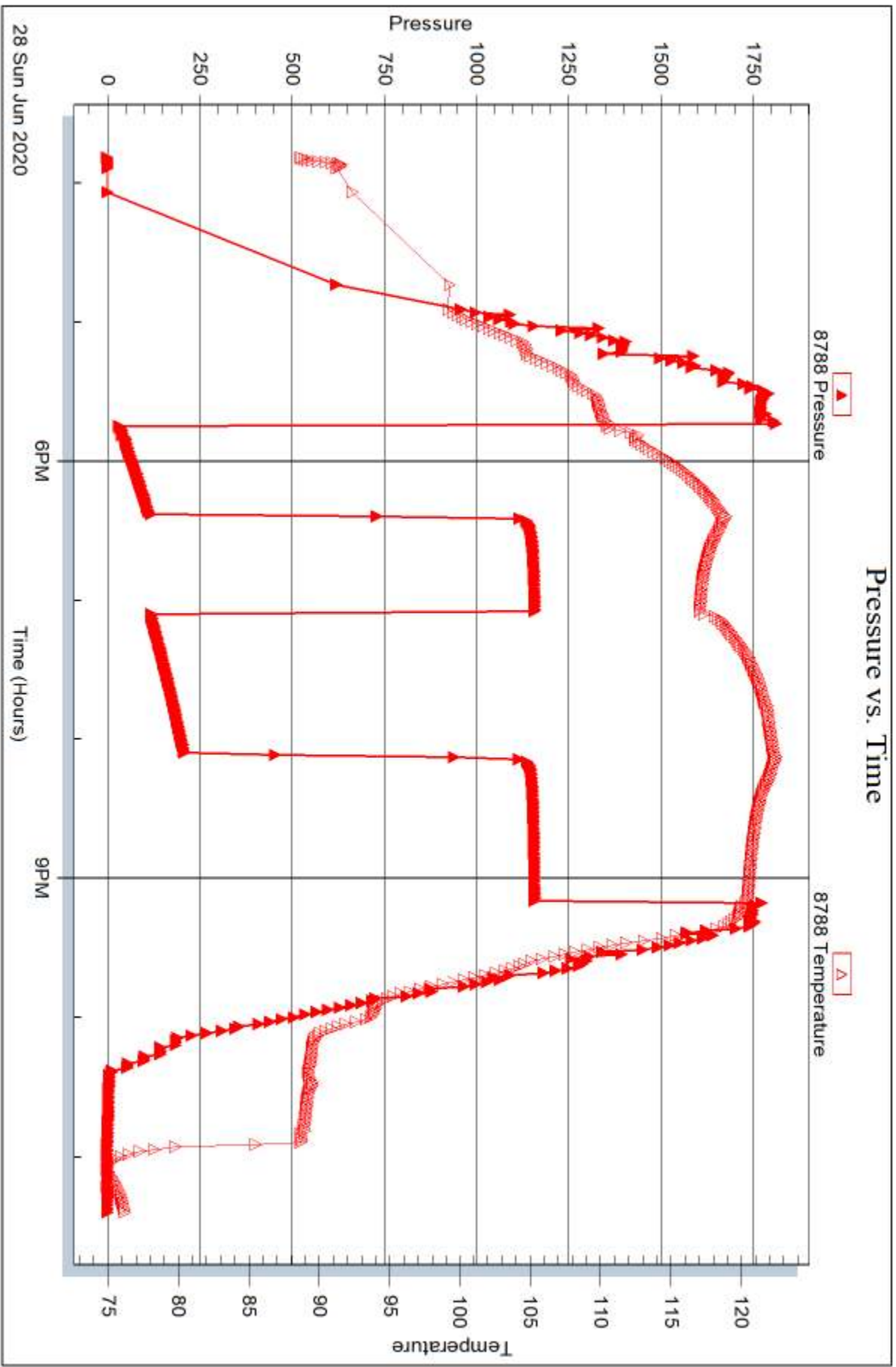
Laboratory Name: Laboratory Location:

Recovery Comments: RW is .10 @ 74 Degrees = 72,000 Chlorides.

Pressure vs. Time



28 Sun Jun 2020





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

115 S. Belmont #12
P.O. Box 8037
Wichita, Ks. 67208

ATTN: Corey Baker

Wegman-Kinsler 1-35

15-27s-8w Kingman Co. Ks

Start Date: 2020.06.29 @ 19:44:21

End Date: 2020.06.30 @ 03:29:36

Job Ticket #: 65472 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2020.07.02 @ 15:50:03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

15-27s-8w Kingman Co. Ks

115 S. Belmont #12
P.O. Box 8037
Wichita, Ks. 67208
ATTN: Corey Baker

Wegman-Kinsler 1-35

Job Ticket: 65472 **DST#: 3**

Test Start: 2020.06.29 @ 19:44:21

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:38:06

Time Test Ended: 03:29:36

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

Interval: 3996.00 ft (KB) To 4015.00 ft (KB) (TVD)

Reference Elevations: 1645.00 ft (KB)

Total Depth: 4015.00 ft (KB) (TVD)

1635.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8931 Inside

Press@RunDepth: 72.28 psig @ 3997.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.06.29 End Date: 2020.06.30

Last Calib.: 2020.06.30

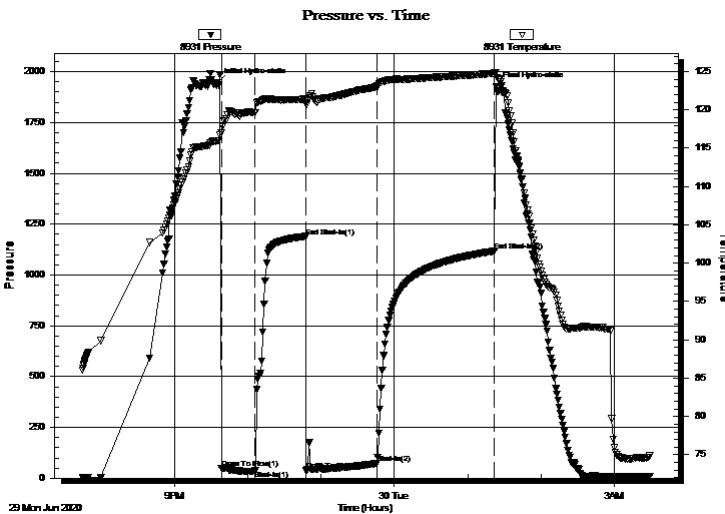
Start Time: 19:44:26 End Time: 03:29:35

Time On Btm: 2020.06.29 @ 21:35:06

Time Off Btm: 2020.06.30 @ 01:23:06

TEST COMMENT: IF: Strong Blow . B.O.B. in 16 mins. Built to 25.43".
IS: No Blow .
FF: Strong Blow . B.O.B. Immediate. Built 352.13".
FS: No Blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1947.85	115.97	Initial Hydro-static
3	47.91	117.06	Open To Flow (1)
31	35.87	119.68	Shut-In(1)
72	1189.50	121.41	End Shut-In(1)
73	38.95	120.86	Open To Flow (2)
131	72.28	123.05	Shut-In(2)
227	1117.43	124.80	End Shut-In(2)
228	1925.65	124.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	O spec MW 20%w 80%w	0.91
60.00	GWCM 25%g 15%w 60%m	0.84
0.00	1284" G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

15-27s-8w Kingman Co. Ks

115 S. Belmont #12
P.O. Box 8037
Wichia , Ks. 67208
ATTN: Corey Baker

Wegman-Kinsler 1-35

Job Ticket: 65472

DST#: 3

Test Start: 2020.06.29 @ 19:44:21

Tool Information

Drill Pipe:	Length: 3971.00 ft	Diameter: 3.80 inches	Volume: 55.70 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.80 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 55.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3996.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	52.00 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			3964.00	
Shut In Tool	5.00			3969.00	
Hydraulic tool	5.00			3974.00	
Jars	5.00			3979.00	
EM	5.00			3984.00	
Safety Joint	3.00			3987.00	
Packer	4.00			3991.00	33.00 Bottom Of Top Packer
Packer	5.00			3996.00	
Stubb	1.00			3997.00	
Recorder	0.00	8931	Inside	3997.00	
Recorder	0.00	8788	Outside	3997.00	
Perforations	15.00			4012.00	
Bullnose	3.00			4015.00	19.00 Bottom Packers & Anchor

Total Tool Length: 52.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

15-27s-8w Kingman Co. Ks

115 S. Belmont #12
P.O. Box 8037
Wichia , Ks. 67208
ATTN: Corey Baker

Wegman-Kinsler 1-35

Job Ticket: 65472 **DST#: 3**

Test Start: 2020.06.29 @ 19:44:21

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 44.00 sec/qt
Water Loss: 10.38 in³
Resistivity: ohm.m
Salinity: 10000.00 ppm
Filter Cake: 0.20 inches

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

Oil API: deg API
Water Salinity: 68000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	O spec MW 20%m 80%w	0.912
60.00	GWCM 25%g 15%w 60%m	0.842
0.00	1284" G.I.P.	0.000

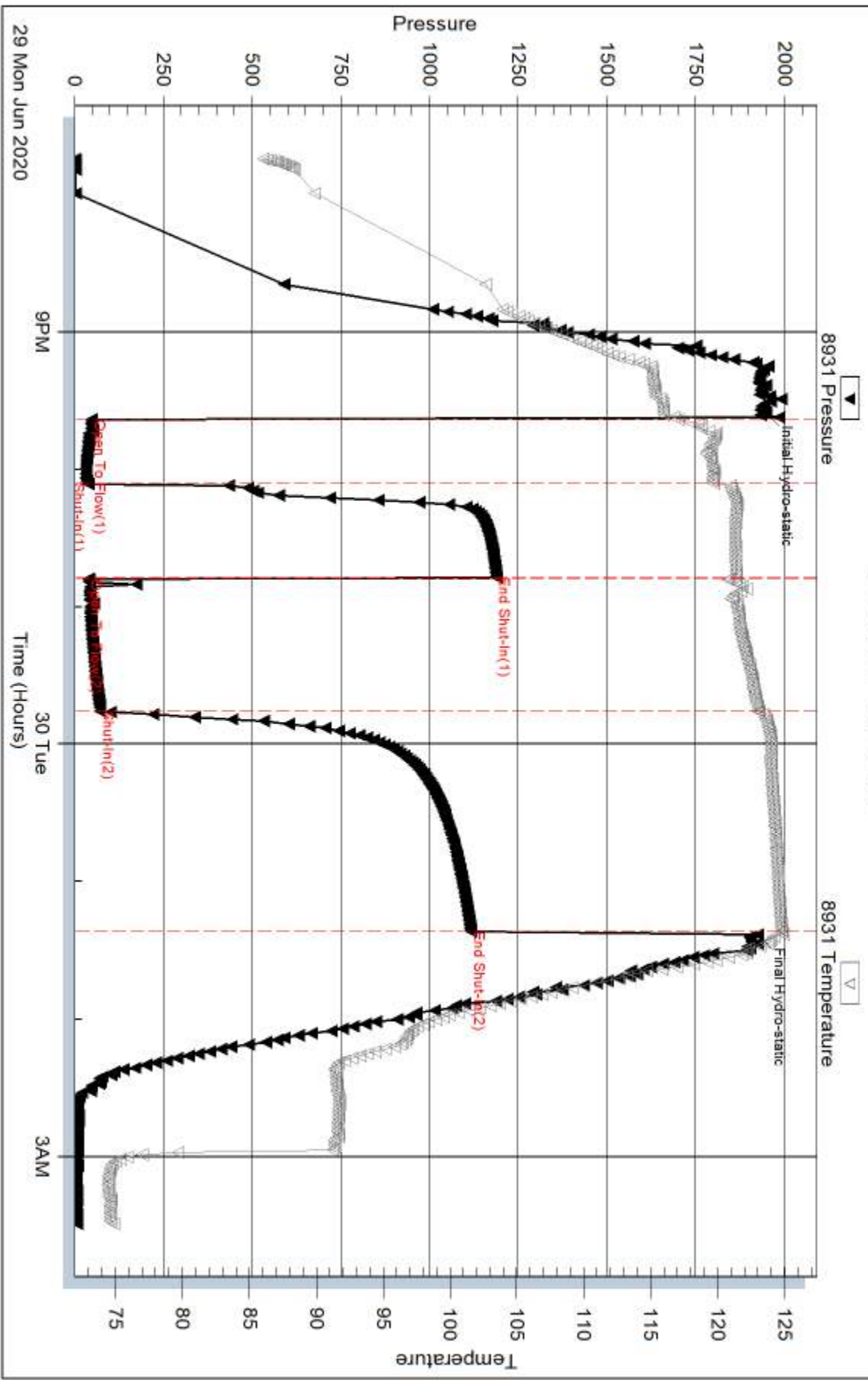
Total Length: 125.00 ft Total Volume: 1.754 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW is .12 @ 72 Degrees = 68,000 Chlorides.

Pressure vs. Time

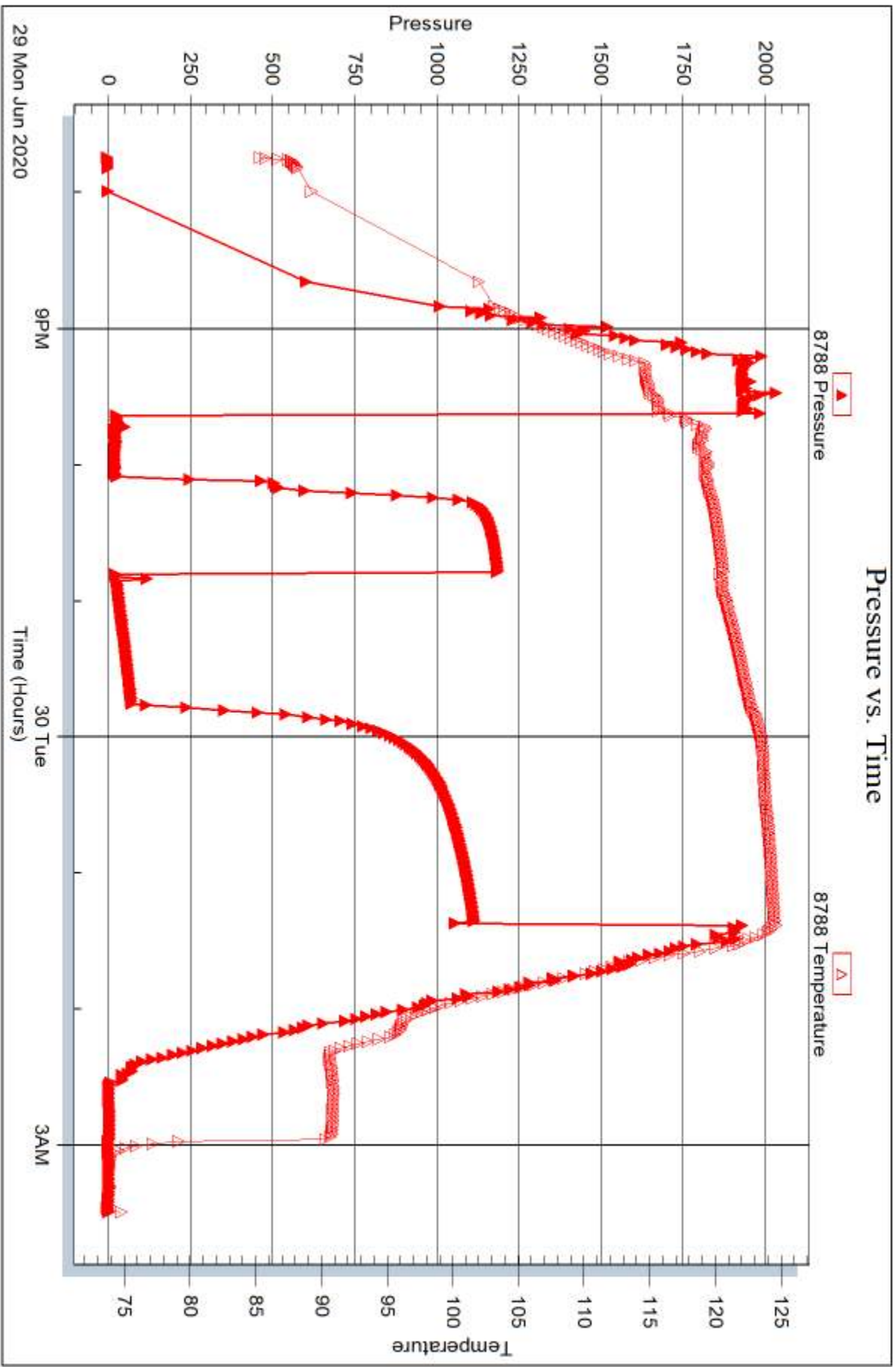


Serial #: 8788

Outside Cobalt Energy LLC

Wegman-Kinsler 1-35

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

115 S. Belmont #12
P.O. Box 8037
Wichita, Ks. 67208

ATTN: Corey Baker

Wegman-Kinsler 1-35

15-27s-8w Kingman Co. Ks

Start Date: 2020.06.30 @ 10:07:29

End Date: 2020.06.30 @ 17:20:59

Job Ticket #: 65474 DST #: 4

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

Printed: 2020.07.02 @ 15:05:17



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC

15-27s-8w Kingman Co. Ks

115 S. Belmont #12
P.O. Box 8037
Wichita, Ks. 67208
ATTN: Corey Baker

Wegman-Kinsler 1-35

Job Ticket: 65474 **DST#: 4**

Test Start: 2020.06.30 @ 10:07:29

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:49:14
 Time Test Ended: 17:20:59
 Interval: **4015.00 ft (KB) To 4030.00 ft (KB) (TVD)**
 Total Depth: 4030.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Matt Smith
 Unit No: 68
 Reference Elevations: 1645.00 ft (KB)
 1635.00 ft (CF)
 KB to GR/CF: 10.00 ft

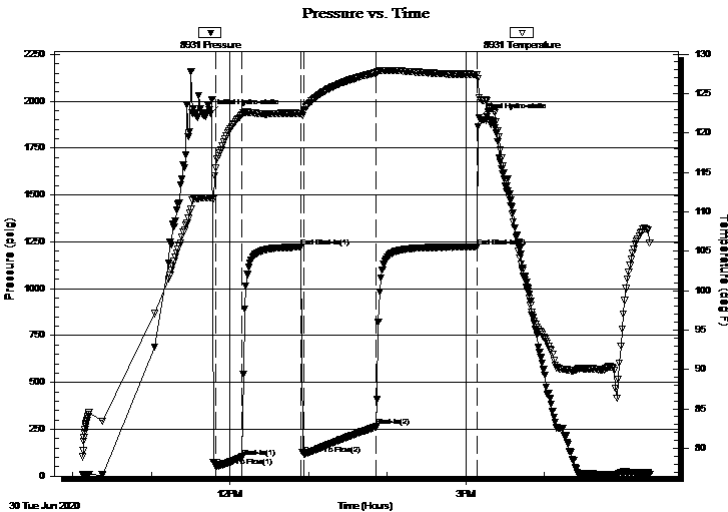
Serial #: 8931

Inside

Press@RunDepth: 264.16 psig @ 4016.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.06.30 End Date: 2020.06.30 Last Calib.: 2020.06.30
 Start Time: 10:07:34 End Time: 17:20:58 Time On Btm: 2020.06.30 @ 11:45:14
 Time Off Btm: 2020.06.30 @ 15:10:14

TEST COMMENT: IF: Strong Blow . B.O.B. in 12 mins. Built to 18.88".
 IS: No Blow .
 FF: Strong Blow . B.O.B. in 20 mins. Built to 33.53".
 FS: Ni Blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1933.23	111.80	Initial Hydro-static
4	53.11	115.52	Open To Flow (1)
24	102.81	122.34	Shut-In(1)
69	1222.29	122.48	End Shut-In(1)
72	119.39	122.84	Open To Flow (2)
127	264.16	127.64	Shut-In(2)
204	1223.19	127.42	End Shut-In(2)
205	1913.16	124.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	GSOCMW 1%g 5%o 27%m 67%w	0.90
64.00	MW 2%m 98%w	0.90
256.00	GO spec MW 1%g 2%m 97%w	3.59
128.00	GO spec MW 1%g 34%m 65%w	1.80
0.00	129' G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

15-27s-8w Kingman Co. Ks

115 S. Belmont #12
P.O. Box 8037
Wichia , Ks. 67208
ATTN: Corey Baker

Wegman-Kinsler 1-35

Job Ticket: 65474 **DST#: 4**

Test Start: 2020.06.30 @ 10:07:29

Tool Information

Drill Pipe:	Length: 4003.00 ft	Diameter: 3.80 inches	Volume: 56.15 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.80 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 56.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	4015.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Requested Shale Packer.

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3983.00	
Shut In Tool	5.00			3988.00	
Hydraulic tool	5.00			3993.00	
Jars	5.00			3998.00	
EM	5.00			4003.00	
Safety Joint	3.00			4006.00	
Packer	4.00			4010.00	33.00 Bottom Of Top Packer
Packer	5.00			4015.00	
Stubb	1.00			4016.00	
Recorder	0.00	8931	Inside	4016.00	
Recorder	0.00	8788	Outside	4016.00	
Perforations	11.00			4027.00	
Bullnose	3.00			4030.00	15.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

15-27s-8w Kingman Co. Ks

115 S. Belmont #12
P.O. Box 8037
Wichia , Ks. 67208
ATTN: Corey Baker

Wegman-Kinsler 1-35

Job Ticket: 65474 **DST#: 4**

Test Start: 2020.06.30 @ 10:07:29

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 10.79 in³
Resistivity: ohm.m
Salinity: 10000.00 ppm
Filter Cake: 0.20 inches

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

Oil API: deg API
Water Salinity: 36000 ppm

Recovery Information

Recovery Table

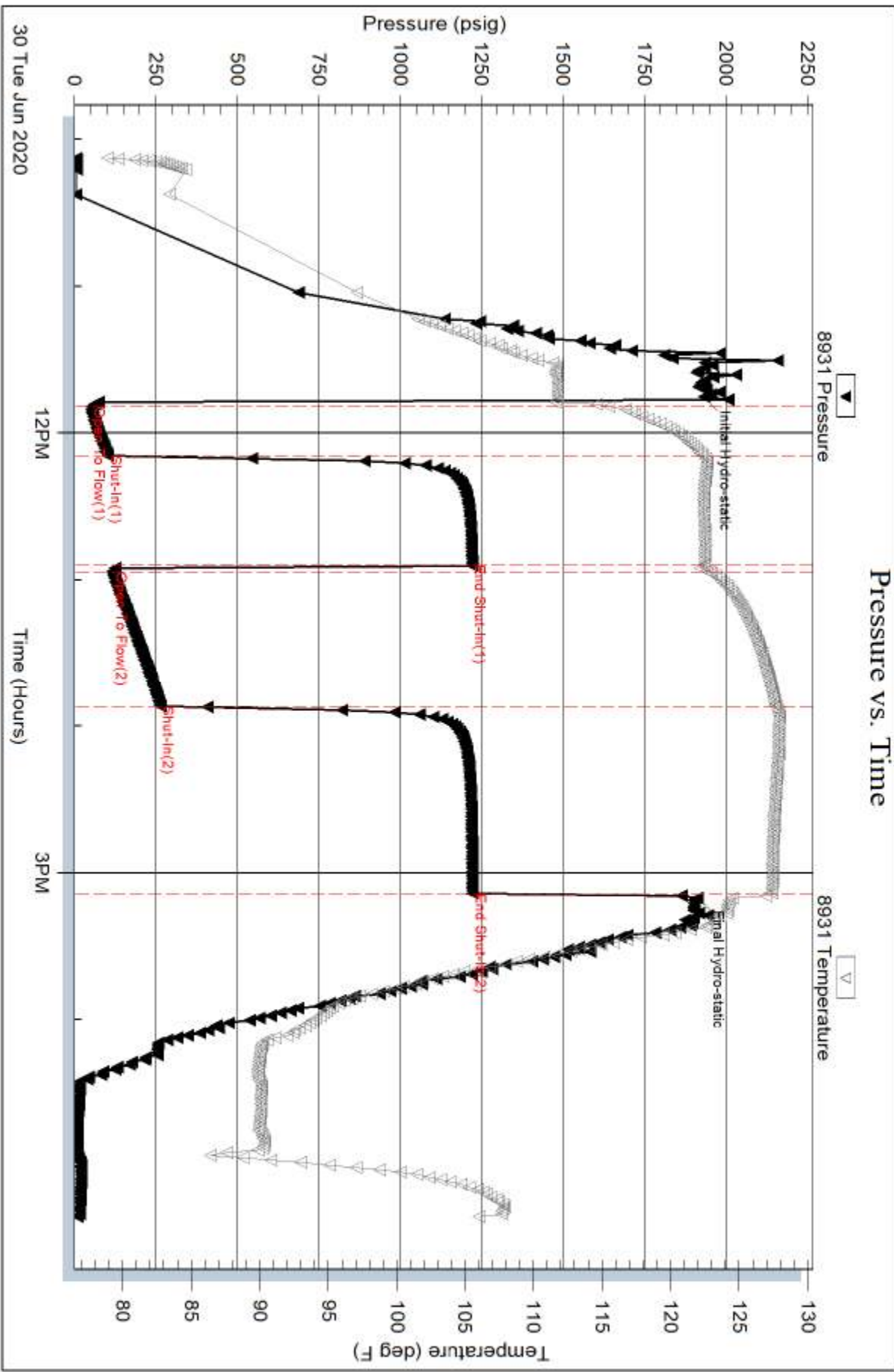
Length ft	Description	Volume bbl
64.00	GSOCMW 1%g 5%o 27%m 67%w	0.898
64.00	MW 2%m 98%w	0.898
256.00	GO spec MW 1%g 2%m 97%w	3.591
128.00	GO spec MW 1%g 34%m 65%w	1.796
0.00	129' G.I.P.	0.000

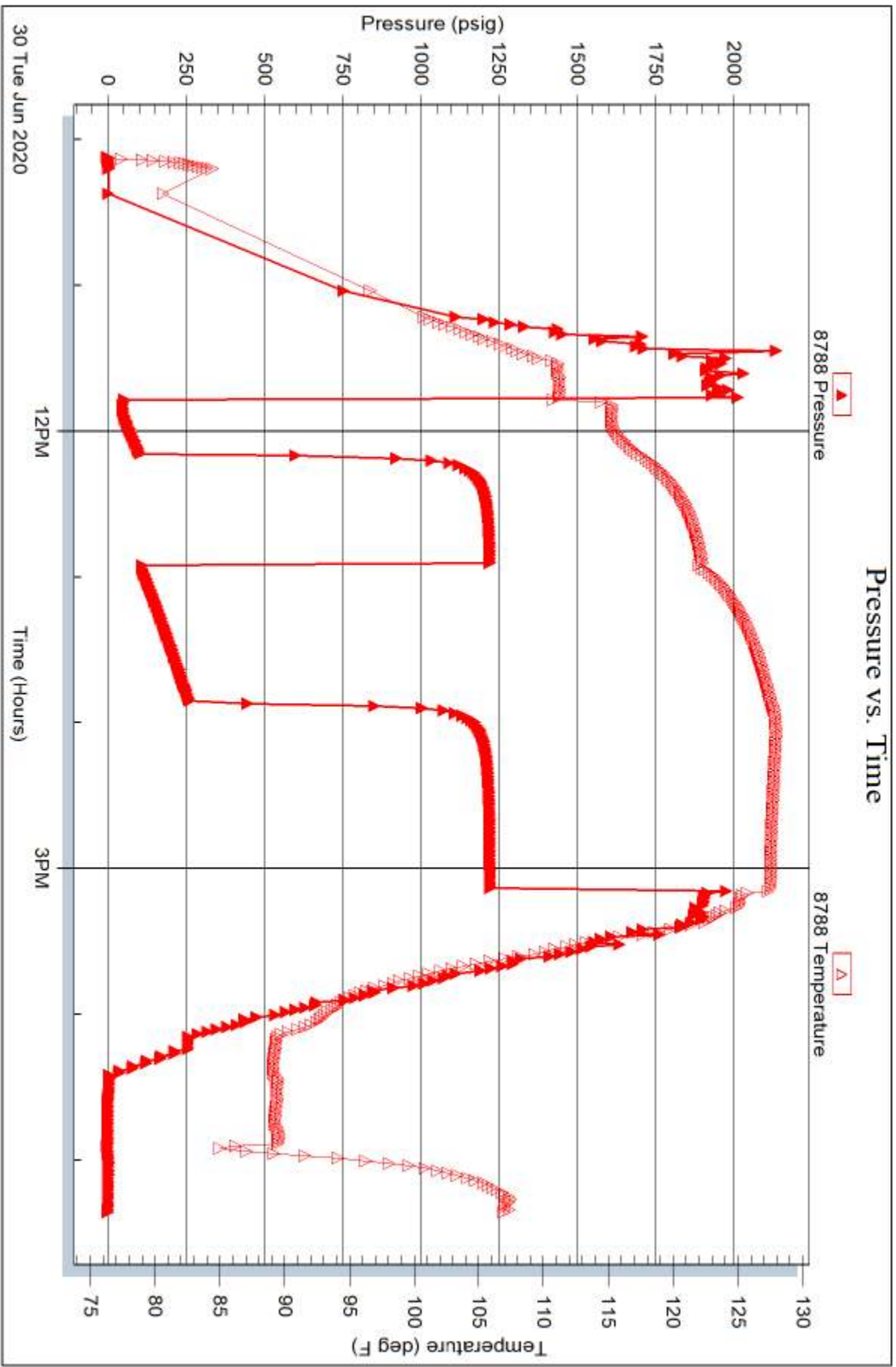
Total Length: 512.00 ft Total Volume: 7.183 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments: RW is .158 @ 94 Degrees = 36000 Chlorides.







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

115 S. Belmont #12
P.O. Box 8037
Wichita, Ks. 67208

ATTN: Corey Baker

Wegman-Kinsler 1-35

15-27s-8w Kingman Co. Ks

Start Date: 2020.06.27 @ 20:17:22

End Date: 2020.06.28 @ 05:16:37

Job Ticket #: 65471 DST #: 1

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

Printed: 2020.07.02 @ 15:55:40



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

15-27s-8w Kingman Co. Ks

115 S. Belmont #12
P.O. Box 8037
Wichita, Ks. 67208
ATTN: Corey Baker

Wegman-Kinsler 1-35

Job Ticket: 65471 **DST#: 1**

Test Start: 2020.06.27 @ 20:17:22

GENERAL INFORMATION:

Formation: **Dennis Limestone J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:56:37

Time Test Ended: 05:16:37

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 68

Interval: 3600.00 ft (KB) To 3649.00 ft (KB) (TVD)

Reference Elevations: 1645.00 ft (KB)

Total Depth: 3649.00 ft (KB) (TVD)

1635.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8931

Inside

Press@RunDepth: 590.07 psig @ 3601.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.06.27

End Date:

2020.06.28

Last Calib.:

2020.06.28

Start Time: 20:17:27

End Time:

05:16:37

Time On Btm:

2020.06.27 @ 22:52:52

Time Off Btm:

2020.06.28 @ 02:00:52

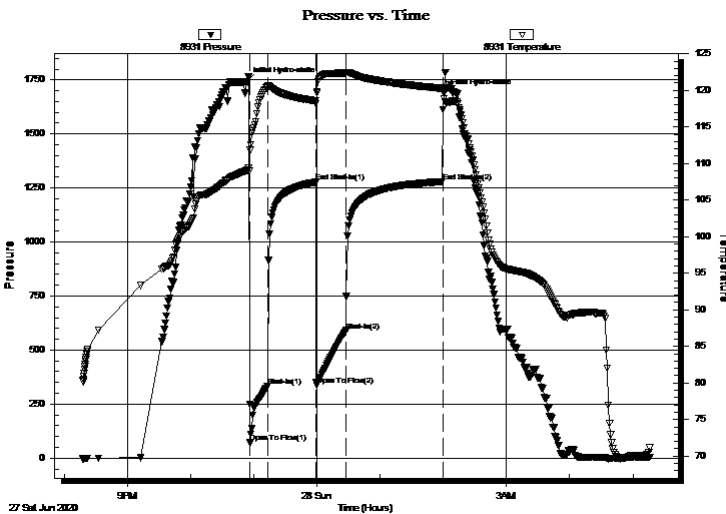
TEST COMMENT: IS: Strong Blow . B.O.B. in 1 min. Built to 65.22".

FF: No Blow .

FSI: Strong Blow . B.O.B. in 3 mins. Built to 93.42".

FF: No Blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.16	109.04	Initial Hydro-static
4	71.05	111.80	Open To Flow (1)
20	334.03	120.48	Shut-In(1)
66	1276.67	118.56	End Shut-In(1)
67	338.73	119.61	Open To Flow (2)
95	590.07	122.33	Shut-In(2)
187	1279.65	120.26	End Shut-In(2)
188	1686.86	118.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
192.00	G50MW 7%g 3%o 40%m 50%w	2.69
640.00	O spec MW 2%m 98%w	8.98
448.00	GOCMW 15%g 10%o 25%m 50%w	6.28
32.00	GOMW 10%g 10%o 3%m 77%w	0.45
0.00	224' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

15-27s-8w Kingman Co. Ks

115 S. Belmont #12
P.O. Box 8037
Wichia , Ks. 67208
ATTN: Corey Baker

Wegman-Kinsler 1-35

Job Ticket: 65471 **DST#: 1**

Test Start: 2020.06.27 @ 20:17:22

Tool Information

Drill Pipe:	Length: 3590.00 ft	Diameter: 3.80 inches	Volume: 50.36 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	2400.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.80 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 50.36 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3600.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	49.00 ft				
Tool Length:	82.00 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			3568.00	
Shut In Tool	5.00			3573.00	
Hydraulic tool	5.00			3578.00	
Jars	5.00			3583.00	
EM	5.00			3588.00	
Safety Joint	3.00			3591.00	
Packer	4.00			3595.00	33.00 Bottom Of Top Packer
Packer	5.00			3600.00	
Stubb	1.00			3601.00	
Recorder	0.00	8931	Inside	3601.00	
Recorder	0.00	8788	Outside	3601.00	
Change Over Sub	1.00			3602.00	
Blank Spacing	32.00			3634.00	
Change Over Sub	1.00			3635.00	
Perforations	11.00			3646.00	
Bullnose	3.00			3649.00	49.00 Bottom Packers & Anchor
Total Tool Length:	82.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

15-27s-8w Kingman Co. Ks

115 S. Belmont #12
P.O. Box 8037
Wichia , Ks. 67208
ATTN: Corey Baker

Wegman-Kinsler 1-35

Job Ticket: 65471 **DST#: 1**

Test Start: 2020.06.27 @ 20:17:22

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 10.37 in³
Resistivity: ohm.m
Salinity: 8000.00 ppm
Filter Cake: 0.20 inches

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

Oil API: deg API
Water Salinity: 65000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
192.00	GSOMW 7%g 3%o 40%m 50%w	2.693
640.00	O spec MW 2%m 98%w	8.978
448.00	GOCMW 15%g 10%o 25%m 50%w	6.284
32.00	GOMW 10%g 10%o 3%m 77%w	0.449
0.00	224' G.I.P.	0.000

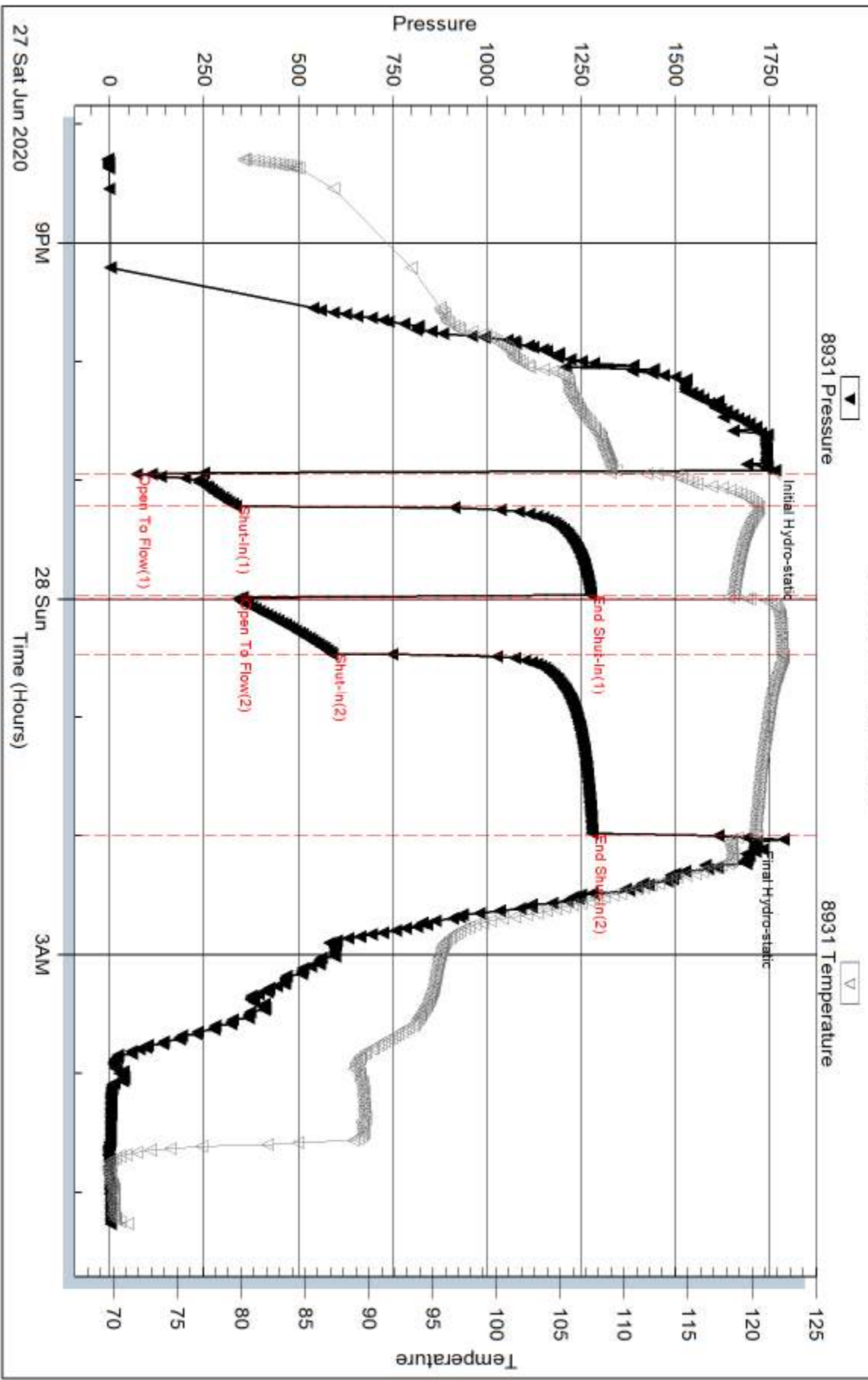
Total Length: 1312.00 ft Total Volume: 18.404 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments: RW is .12 @ 70.5 Degrees = 65,000 Chloides.

Pressure vs. Time

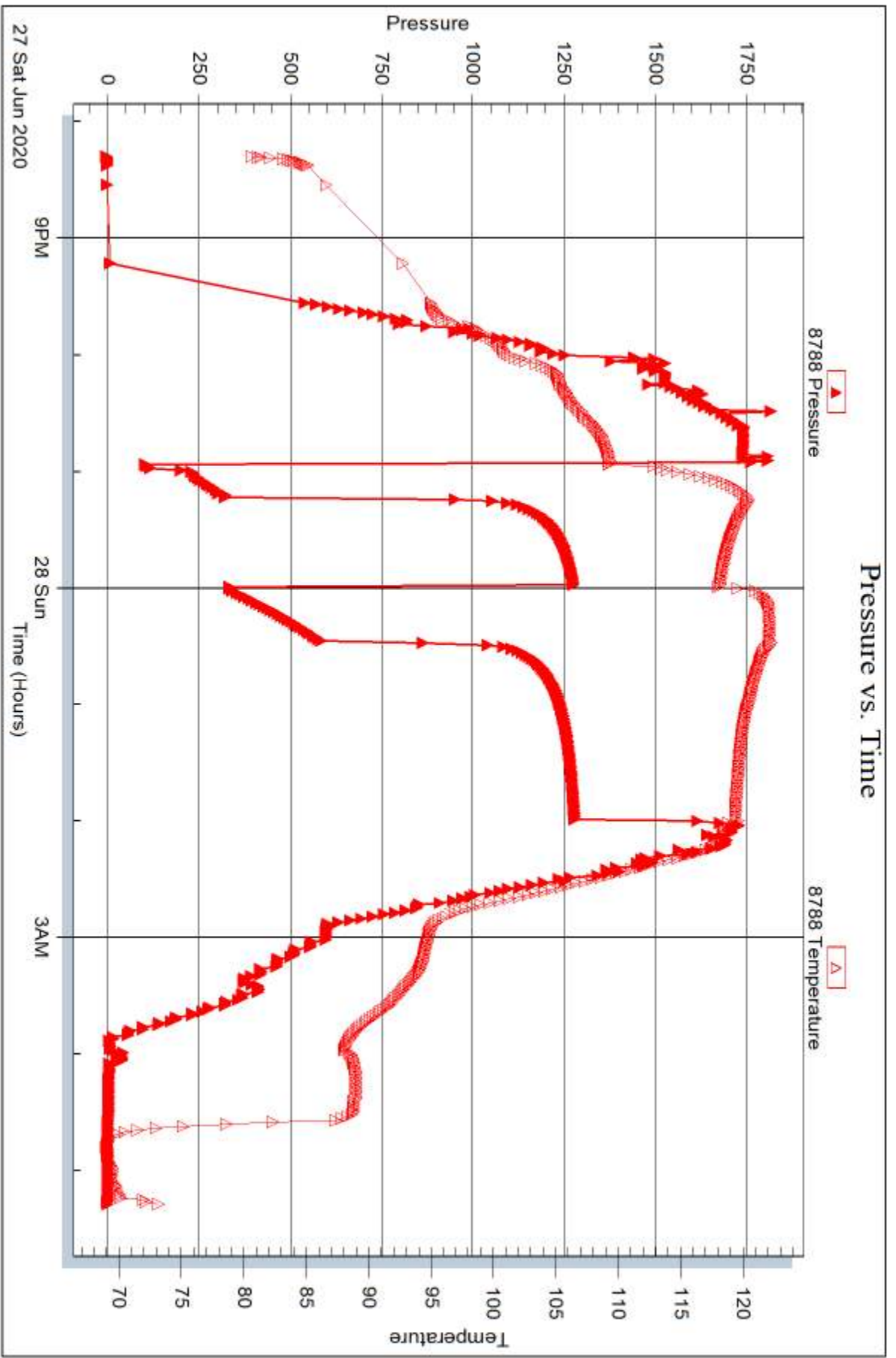


Serial #: 8788

Outside Cobalt Energy LLC

Wegman-Kinsler 1-35

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65471

Printed: 2020.07.02 @ 15:55:41



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65471

Well Name & No. Wegman - Kinsler Unit 1-35 Test No. 1 Date 6/27/20
 Company Cobalt Energy LLC Elevation 1645 KB 1635 GL
 Address 115 S. Belmont #12 P.O. Box 8037 Wichita, KS. 67208
 Co. Rep / Geo. CORAY BAKER Rig Southwind 8
 Location: Sec. 15 Twp 27S Rge. 8W Co. Kingman State KS.

Interval Tested 3600 - 3649 Zone Tested Dennis Limestone "J"
 Anchor Length 49' Drill Pipe Run 3590 Mud Wt. 9.6
 Top Packer Depth 3595 Drill Collars Run 0 Vis 47
 Bottom Packer Depth 3600 Wt. Pipe Run 0 WL 10.4
 Total Depth 3649 Chlorides 8,000 ppm System LCM 2nd

Blow Description IFI Strong Blow. B.O.B. in 1-min. Built to 65.22".
ISI: NO Blow.

FFI Strong Blow. B.O.B. in 3-mins. Built to 93.42".
FSI:

Rec	Feet of	%gas	%oil	%water	%mud
<u>224</u>	<u>G.I.P.</u>	<u>100</u>			
<u>32</u>	<u>GOMW</u>	<u>10</u>	<u>10</u>	<u>77</u>	<u>3</u>
<u>448</u>	<u>GOCMW</u>	<u>15</u>	<u>10</u>	<u>50</u>	<u>25</u>
<u>640</u>	<u>OSpec MW</u>			<u>98</u>	<u>2</u>
<u>192</u>	<u>G50 MW</u>	<u>7</u>	<u>3</u>	<u>56</u>	<u>40</u>

Rec Total 1312 Fluid BHT Gravity N/A API RW .12 @ 70.5°F Chlorides _____ ppm

(A) Initial Hydrostatic 1743 Test 1200 T-On Location 1925
 (B) First Initial Flow 71 Jars 250 T-Started 2017
 (C) First Final Flow 334 Safety Joint 75 T-Open 2256
 (D) Initial Shut-In 1277 Circ Sub T-Pulled 0200
 (E) Second Initial Flow 339 Hourly Standby T-Out 0516
 (F) Second Final Flow 590 Mileage 78 78 Comments _____
 (G) Final Shut-In 1280 Sampler EM Tool 350 NS
 (H) Final Hydrostatic 1687 Straddle Ruined Shale Packer _____
 Shale Packer Ruined Packer _____
 Extra Packer Extra Copies _____
 Extra Recorder Sub Total 0
 Day Standby Total 1603
 Accessibility

Initial Open 15
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 90

Approved By _____ Our Representative Matthew A. Smith MP/DST Disc't _____
 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. 65472

Well Name & No. Wegman - Kinsler Unit 1-35 Test No. 2 Date 6/28/20
 Company Cobalt Energy LLC Elevation 1645 KB 1635 GL
 Address 115 S. Belmont #12 P.O. Box 8037 Wichita, KS. 67208
 Co. Rep / Geo. Corey Baker Rig Southwind 8
 Location: Sec. 15 Twp 27S Rge. 8W Co. Kingman State KS.

Interval Tested 3698 - 3730 Zone Tested Hertha
 Anchor Length 32' Drill Pipe Run 3684 Mud Wt. 9.2
 Top Packer Depth 3693 Drill Collars Run 0 Vls 53
 Bottom Packer Depth 3698 Wt. Pipe Run 0 WL 10.4
 Total Depth 3730 Chlorides 10,000 ppm System LCM 2*

Blow Description IF: Strong Blow. B.O.B. in 18 mins. Built to 20.84"
ISI: NO Blow.
FF: Strong Blow. B.O.B. in 40 mins. Built to 17.30"
FSI: NO Blow.

Rec	Feet of	%gas	%oil	%water	%mud
8	MCW			80	20
256	MCW			95	5
64	GMCW	2		91	7
64	GSO MCW	5	2	53	40

Rec Total 392' Fluid BHT 111' Gravity NA API RW 10 @ 74 °F Chlorides 72,000 ppm

- (A) Initial Hydrostatic 1772
- (B) First Initial Flow 42
- (C) First Final Flow 117
- (D) Initial Shut-In 1160
- (E) Second Initial Flow 126
- (F) Second Final Flow 210
- (G) Final Shut-In 1160
- (H) Final Hydrostatic 1768

- Test 1200
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 78 78
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1603

- T-On Location 1520
- T-Started 1548
- T-Open 1744
- T-Pulled 2115
- T-Out 2322

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60

- Comments
- EM Tool 350
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1603
- MP/DST Disc't

Approved By _____ Our Representative _____

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TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65473

Well Name & No. Wegman-Kinsler Unit 1-35 Test No. 3 Date 6/29/30
 Company Cobalt Energy LLC Elevation 11645 KB 11635 GL
 Address 115 S. Belmont #12 P.O. Box 8037 Wichita, KS 67208
 Co. Rep / Geo. Corey Baker Rig Southwind 8
 Location: Sec. 15 Twp 27S Rge. 8W Co. Kingman State KS.

Interval Tested 3996 - 4015 Zone Tested Mississippi (top)
 Anchor Length 19' Drill Pipe Run 3971 Mud Wt. 9.3
 Top Packer Depth 3991 Drill Collars Run 0 Vis 44
 Bottom Packer Depth 3996 Wt. Pipe Run 0 WL 10.4
 Total Depth 4015 Chlorides 10,000 ppm System LCM 2nd

Blow Description IF: Strong Blow. B.O.B. in 16 mins. Built to 25.43"
ISI: NO Blow.
FF: Strong Blow. B.O.B. immediate. Built to 352.13"
FSI: NO Blow.

Rec	Feet of	%gas	%oil	%water	%mu
1284	G.I.P.	100			
60	Spec MW	25	15	60	
60	GWCM	25		15	60
65	Spec MW			80	20

Rec Total 125' Fluid BHT 116° Gravity N/A API RW 0.12 @ 72 °F Chlorides 68,000 pp

- (A) Initial Hydrostatic 1948
- (B) First Initial Flow 48
- (C) First Final Flow 36
- (D) Initial Shut-In 1190
- (E) Second Initial Flow 39
- (F) Second Final Flow 72
- (G) Final Shut-In 1117
- (H) Final Hydrostatic 1925

- Test 1300
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 78 → 78
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility

- T-On Location 1913
- T-Started 1944
- T-Open 2138
- T-Pulled 0130
- T-Out 0329

Initial Open 30
 Initial Shut-In 45
 Final Flow 66
 Final Shut-In 90

- Comments
- EM Tool 350
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1703
- MP/DST Disc't

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65474

Well Name & No. Wegman - Kinster Unit 1-35 Test No. 4 Date 6/30/20
 Company Cobalt Energy LLC Elevation 1645 KB 1635 GL
 Address 115 S. Belmont #12 P.O. Box 8037 Wichita, KS. 67208
 Co. Rep / Geo. Corey Baker Rig Southwind 8
 Location: Sec. 15 Twp 27S Rge. 8W Co. Kingman State KS.

Interval Tested 4015 - 4030 Zone Tested Mississippi
 Anchor Length 15' Drill Pipe Run 4003 Mud Wt. 9.3
 Top Packer Depth 4010 Drill Collars Run 2 Vis 45
 Bottom Packer Depth 4015 Wt. Pipe Run 2 WL 10.8
 Total Depth 4030 Chlorides 10,000 ppm System LCM 1 1/2

Blow Description IF: Strong Blow. B.O.B. in 12 mins. Built to 18.88'
ISI: No Blow
FF: Strong Blow. B.O.B. in 20 mins. Built to 33.53'
FSI: No Blow

Rec	Feet of	%gas	%oil	%water	%mud
129	G.I.P.	100			
128	GOspec MW	1		65	34
256	GOspec MW	1		97	2
64	MW			98	2
64	GSOC MW	1	5	67	27

Rec Total 512' Fluid BHT 116° Gravity N/A API RW 0.16 @ 94 °F Chlorides 36,000 ppm

(A) Initial Hydrostatic <u>1933</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>0922</u>
(B) First Initial Flow <u>53</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1007</u>
(C) First Final Flow <u>103</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1149</u>
(D) Initial Shut-In <u>1222</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1515</u>
(E) Second Initial Flow <u>119</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1720</u>
(F) Second Final Flow <u>264</u>	<input checked="" type="checkbox"/> Mileage <u>78</u> → <u>156</u>	Comments <u>* Requested Shale Packer</u>
(G) Final Shut-In <u>1223</u>	<input type="checkbox"/> Sampler	<u>loaded tools 7/1 17:00</u>
(H) Final Hydrostatic <u>1913</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350</u>

Initial Open 20 Ruined Shale Packer
 Initial Shut-In 45 Ruined Packer
 Final Flow 60 Extra Recorder
 Final Shut-In 70 Extra Copies
 Sub Total 0
 Total 2031
 Sub Total 2031 MP/DST Disc't

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.



Southwind Drilling, Inc.
Plugging Orders & Reports

Lease: Wegman-Kinder Unit 1-15

Plugging Received from KCC Representative:

Name: Jeff Klock Date: 6-29-20 Time: 2:40 PM

1st plug @ 1200 feet, 35 sacks Stands 19

2nd plug @ 750 feet, 35 sacks Stands 12

3rd plug @ 275 feet, 35 sacks Stands 4.5

4th plug @ 60 feet, 25 sacks Stands 1

5th plug @ _____ feet, _____ sacks Stands _____

Mousehole: 20 sacks

Rathole: 30 sacks

Total Cement Used: 180 sacks

Type of cement: 60/40 Poz, 4% Gul, 1/4" Fb Seal Per Sack

Plug Down @ 12:30 PM 7-02-2020

Call KCC When Completed:

Name: David Date: 7-06-2020 Time: 10:15 AM



GEOLGISTS REPORT
DRILL TIME &
SAMPLE LOG

COMPANY: **COBALT ENERGY, LLC**
LEASE: **WEGMAN-KINSLER UNIT #1-15**
FIELD: **Widdart**

LOCATION: **2213' FNL & 265' FEL**
SEC. **15** TWP **27S** RGE **8W**
COUNTY: **Kingman** STATE **KS**

CONTRACTOR: **Southwind Drilling Inc. Rig #8**
SUD: **06/20/20** COMP: **07/22/20**
RTD: **4:38P** LTD: **4:30P**
MUD UP: **2500'** TYPE MUD: **Chemical**

SAMPLES SAID FROM: **3000' to RTD**
DRILLING TIME KEPT FROM: **2900' to RTD**
SAMPLES EXAMINED FROM: **3000' to RTD**

GEOLGICAL SUPERVISION FROM: **3050' to RTD**
GEOLGIST ON WELL: **COREY N. BAKER**

FORMATION TOPS: **ELECTRIC LOG**
Heebner: **3113 (-1468)** **3100 (-1456)**
Lansing: **3330 (-1689)** **3329 (-1684)**
Shark: **3667 (-2022)** **3664 (-2019)**
Mississippian: **3720 (-2073)** **3718 (-2073)**
Kinsler: **3996 (-2351)** **3995 (-2350)**
Krebshook: **4127 (-2482)** **4127 (-2482)**
Vulva: **4324 (-2679)** **4322 (-2677)**
LTD: **4380 (-2735)** **4380 (-2735)**

CONDUCTOR: **NA**
SURFACE: **8 8/8 @ 23'**
PRODUCTION: **None**
ELECTRIC LOGS: **None**
DUAL INDICATION: **None**
MAGNETIC SOUNIC: **None**
PIONEER ENERGY SERVICES

ELEVATIONS
KB: **1645'**

REMARKS: The Wegman-Kinsler Unit #1-15 did not run as seismic predicted. Shows were encountered and tested with negative results. The well was plugged and abandoned as a dry hole.

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

API #15-095-22334-00-00

LEGEND

Anhydrite	Sandstone	Limestone	Shale	Carb Sh	Cherty LS	Chart	Dolomite

LITHOLOGY	DEPTH	DRILLING TIME IN MINUTES PER FOOT	OIL SHOWS	SAMPLE DESCRIPTION	REMARKS
	2900				6/23/20 - MRT, Spud, set 8 5/8" @ 225' 6/24/20 - 225' WOC 6/25/20 - 7:00 AM Drig @ 1720' 6/26/20 - 7:00 AM Drig @ 2820' 6/27/20 - 7:00 AM Drig @ 3500' 6/28/20 - 7:00 AM TH after DST #1 @ 3649' 6/29/20 - 7:00 AM Drig @ 3820' 6/30/20 - 7:00 AM Drig @ 4025' 7/02/20 - 7:00 AM RTD @ 4225' 7/02/20 - 7:00 AM Plugged Well Call Point 2900' 10:00 AM 6/26/20 Geologist on location @ 3050' 2:50 PM 6/26/20
	2950				
	3000				
	3050				
	3100			SH: blk, carb	Heebner 3113 (-1468)
	3150			LS: crm-ft gry, fn stln, mott, sil chily, sil chly, no vis por, ns LS: AA, Shaly w/ some SS, wht-gry, of grnd, limes, friable, chily, no vis por, ns Abndt SS, wht-gry, of grnd, hard, well sorted, no vis friable, pr pp pos, ns	
	3200			SS: wht-gry, mica, of grnd, some friable, mostly dns, well sorted, mica, no vis por, ns Shaly w/ some SS, wht-gry, of grnd, limes, friable, chily, no vis por, ns AA	
	3250			SS: wht-cls, mica, of grnd, friable in prt, silty, no vis por, ns, some LS, crm, of stln, sec calc, chtry, dns SS: AA, mostly brittle, dns	
	3300			SS: AA, Siltstone, drk gry, wxy, dns SS: ft gry-whit, mica, of grnd, friable, well sorted, many pieces blk-gry, crm, Siltstone, gry-drk gry, wxy, dns SS: AA, mostly tile cem, dns. Siltstone, AA	Rig Mud Check VIS: 47 WT: 8.8 LCM: 3#
	3350			SS: wht-gry, mica, of grnd, well sorted, friable in prt, some tile. Siltstone, gry-drk gry, wxy, dns. LS, crm, calc filled fract, chtry, no vis por, ns SS: AA, Siltstone, AA	Rig Mud Check VIS: 48 WT: 8.8 LCM: 3#
	3400			SS: wht-gry, mica, of grnd, well sorted, friable, few pieces well cem, tr-pr pp pos, ns. Siltstone, gry-drk gry, wxy, AA SS: predominately SS, AA SH: gry-drk gry, fissile, hard SH: AA	Rig Mud Check VIS: 48 WT: 8.9 LCM: 3#
	3450			LS: crm-brn, of stln, mott, chtry, blkly, no vis por, ns LS: crm, of stln, chtry, mostly dense, several pieces foss, ool, chily, sec calc, no vis por, ns LS: crm-ft gry, f-scatt mid stln, mott, foss, chily in prt, mostly chtry, no vis por, ns	Brown Lime 3323 (-1678) Lansing 3323 (-1685)
	3500			LS: AA LS: ft gry-gry, f-scatt mid stln, mott, abndt sec calc cem, foss, chtry, blkly, no vis por, ns LS: ft gry-gry, f-scatt mid stln, mott, abndt sec calc cem, foss, chtry, blkly, no vis por, ns LS: AA	Rig Mud Check VIS: 47 WT: 8.9 LCM: 2#
	3550			LS: wht-ft gry, of stln, chtry, blkly, dns LS: wht-ft gry, fn stln, foss ool, chily, sec calc cem, no vis por, ns LS: AA LS: AA	
	3600			LS: crm-gry, f-scatt mid stln, foss, sec calc cem, chily in prt, no vis por, ns, abndt pyr. LS: gry, of stln, chtry, blkly, dns, abndt pyr. LS: crm-brn, f, stln, sucr in prt, foss in prt, tr-pr pp & intraxn pos, ns LS: crm-ft gry, v-f stln, chtry, foss, sec calc cem, no vis por, ns	Rig Mud Check VIS: 50 WT: 9.2 LCM: 2#
	3650			LS: AA LS: crm-ft gry, v-f stln, chtry, dns, SS, from above? also carrying SH, multi-color, arg (covering?) LS: AA, abndt gry LS: crm, of stln, chtry, no vis por, ns SH: multi-color, arg LS: gry-drk gry, f-scatt mid stln, foss, mott, tightly cem, no vis por, ns	Rig Mud Check VIS: 49 WT: 8.8 LCM: 3#
	3700			LS: AA LS: crm-ft gry, v-f stln, chtry, blkly, no vis por, ns SH: blk, gry-blk LS: crm-ft gry, f-mid stln, foss, ool, oom, sec calc cem, mostly tile several cuttings w/pr oom pos, mfs, no odor LS: AA, becoming less foss oom, more ool, tight, pr oom pos, nufs, no odor LS: ft gry-gry, v-f stln, chtry, blkly, dns, no vis por, ns	Rig Mud Check VIS: 47 WT: 8.9 LCM: 2#
	3750			LS: AA SH: blk, gry-blk LS: crm-ft gry, f-mid stln, foss, ool, oom, sec calc cem, mostly tile several cuttings w/pr oom pos, mfs, no odor LS: AA, becoming less foss oom, more ool, tight, pr oom pos, nufs, no odor LS: ft gry-gry, v-f stln, chtry, blkly, dns, no vis por, ns LS: AA, samples vary dirty, globs of mud. SH: AA, samples vary dirty, globs of mud. SH: wht-ft gry, of stln, chtry, chily in prt, foss in prt, no vis por, ns SH: blk-gry LS: AA LS: wht-ft gry, v-f stln, chily in prt, mostly chtry, no vis por, ns LS: wht-ft gry, v-f stln, chtry, no vis por, ns	Rig Mud Check VIS: 44 WT: 9.3 LCM: 1.5#
	3800			LS: AA SH: blk-gry LS: wht-ft gry, of stln, calc cem, chtry, some chily, no vis por, ns SH: blk-gry LS: AA LS: AA LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns	
	3850			LS: AA SH: blk-gry, carb, arg in prt LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns SH: gry, arg in prt SH: blk-gry, carb LS: ft gry-gry, v-f stln, chtry, blkly, no vis por, ns, SH, multi-color, arg SH: multi-color, arg Cqfm: LS, ft gry - v-f stln, chtry, blkly, dns, SH, multi-color, arg, loose chly, few pieces of chert, wht, frsh, ang, blkly, dns Cqfm: AA	DST #1 (3600-49') Dennis Limestone Open 15" Shut-in 45" Open 30" Shut-in 90" 1st Open: Strong blow, built to R.O.B in 1". IS: No return blow. 2nd Open: Strong blow, built to R.O.B in 3". FS: No return blow. 224' GIP Rec: 448' Gas & Oil Cut Muddy Water (15% g, 10%o, 25%km, 50%w) 32' Gassy Oil & Slight Mud Cut Water (10%g, 10%o, 30m, 77%w) 192' Gassy, Slight Oil Cut Muddy Water (7%g, 7%o, 40%km, 50%w) 640' Slight Mud Cut Water w/oil spots (2%km, 38%w) 1,312' Total Recovery I/F: 71-334# F/P: 339-590# S/P: 1277-1280#
	3900			LS: AA SH: blk-gry LS: wht-ft gry, of stln, calc cem, chtry, some chily, no vis por, ns SH: blk-gry LS: AA LS: AA LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns SH: gry, arg in prt SH: blk-gry, carb LS: ft gry-gry, v-f stln, chtry, blkly, no vis por, ns, SH, multi-color, arg SH: multi-color, arg Cqfm: LS, ft gry - v-f stln, chtry, blkly, dns, SH, multi-color, arg, loose chly, few pieces of chert, wht, frsh, ang, blkly, dns Cqfm: AA	DST #2 (3698-3730') Hertha Limestone Open 30" Shut-in 45" Open 60" Shut-in 90" 1st Open: Fair blow, built to B.O.B in 18". IS: No return blow. 2nd Open: Fair blow, built to B.O.B in 40". FS: No return blow. Rec: 64' Slight Gas & Oil Cut Muddy Water (5% g, 7%o, 40%km, 53%w) 64' Slight Gas & Mud Cut Water (2%g, 7%o, 91%w) 256' Slight Mud Cut Water (7%o, 93%w) 8' Mud Cut Water (20%km, 80%w) 392' Total Recovery I/F: 42-117# F/P: 126-211# S/P: 1160-1160#
	3950			LS: AA SH: blk-gry, carb, arg in prt LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns SH: gry, arg in prt SH: blk-gry, carb LS: ft gry-gry, v-f stln, chtry, blkly, no vis por, ns, SH, multi-color, arg SH: multi-color, arg Cqfm: LS, ft gry - v-f stln, chtry, blkly, dns, SH, multi-color, arg, loose chly, few pieces of chert, wht, frsh, ang, blkly, dns Cqfm: AA	Cherokee 3910 (-2265)
	4000			CH: Crm-whit, predom whtd, chily, pr pp & very scatt wip pos, sil, some blk-brn, sil cuttings, fr oom color, fish, blk, milky wht, shrp, ang, dense, no cut, no gas bubbles CH: AA, some frsh chrt, milky wht, shrp, ang, dense CH: Crm-whit, predom whtd, less chily, cottony texture, fr pp & scatt wip pos, fr oom color, sil cuttings, fr oom color, fish, blk, milky wht, shrp, ang, dense, no cut, no gas bubbles CH: AA, no show, decr odor CH: Crm-whit, incr in frsh, milky wht, shrp, ang, dns, decr in whtd, fr pp & scatt fr wip pos, no flour, no odor CH: AA CH: Crm-whit, predom wht, shrp, ang, dense, no show, no odor LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns still coupling ahead of AA LS: AA LS: AA LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns LS: AA LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns LS: AA SH: multi-color, arg SH: multi-color, arg SH: AA SH: AA SH: AA SH: gry-drk gry, silty, soft SH: AA SH: AA SH: gry-drk gry, silty, soft SH: gry-drk gry, silty, soft SH: AA SH: AA SH: AA, LS, gry-drk gry, of crypto stln, blkly, dns LS: AA, SH, gry-rd, arg LS: AA, SH, AA LS: gry-drk gry, of crypto stln, blkly, dns, SH, AA SH: AA, abndt Cherty LS, brn-gry, blkly, shrp, ang, dns SH: drk gry-brn, arg, some blk, carb, grn wxy & red arg SH: multi-color, AA SH: multi-color, AA	DST #3 (3996-4015') Mississippian Open 30" Shut-in 45" Open 60" Shut-in 90" 1st Open: Fair Blow, built to B.O.B in 16". IS: No Return Blow. 2nd Open: Strong Blow, built to B.O.B in 10". FS: No Return Blow. 1,284' GIP Rec: 407' Gassy Wtr Cut Mud (25%g, 15%o, 60%km) 85' Muddy Wtr w/oil specks (20%km, 80%w) 125' Total Recovery I/F: 48-36# F/P: 39-72# S/P: 1190-1177#
	4050			CH: Crm-whit, predom whtd, chily, pr pp & very scatt wip pos, sil, some blk-brn, sil cuttings, fr oom color, fish, blk, milky wht, shrp, ang, dense, no cut, no gas bubbles CH: AA, some frsh chrt, milky wht, shrp, ang, dense CH: Crm-whit, predom whtd, less chily, cottony texture, fr pp & scatt wip pos, fr oom color, sil cuttings, fr oom color, fish, blk, milky wht, shrp, ang, dense, no cut, no gas bubbles CH: AA, no show, decr odor CH: Crm-whit, incr in frsh, milky wht, shrp, ang, dns, decr in whtd, fr pp & scatt fr wip pos, no flour, no odor CH: AA CH: Crm-whit, predom wht, shrp, ang, dense, no show, no odor LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns still coupling ahead of AA LS: AA LS: AA LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns LS: AA SH: multi-color, arg SH: multi-color, arg SH: AA SH: AA SH: AA SH: gry-drk gry, silty, soft SH: AA SH: AA SH: AA, LS, gry-drk gry, of crypto stln, blkly, dns LS: AA, SH, gry-rd, arg LS: AA, SH, AA LS: gry-drk gry, of crypto stln, blkly, dns, SH, AA SH: AA, abndt Cherty LS, brn-gry, blkly, shrp, ang, dns SH: drk gry-brn, arg, some blk, carb, grn wxy & red arg SH: multi-color, AA SH: multi-color, AA	DST #4 (4015-30') Mississippian Open 20" Shut-in 45" Open 60" Shut-in 90" 1st Open: Fair Blow, built to B.O.B in 12". IS: No Return Blow. 2nd Open: Fair Blow, built to B.O.B in 20". FS: No Return Blow. 1,284' GIP Rec: 64' VSG & OCW (1%g, 5%o, 27%km, 67%w) 128' VSG & MCW (1%g, 34%km, 65%w) 256' VSG & MCW (1%g, 2%km, 97%w) 64' Sil Muddy Water (25%km, 38%w) 512' Total Recovery I/F: 53-103# F/P: 119-26# S/P: 1222-1223#
	4100			LS: AA LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns LS: AA SH: multi-color, arg SH: multi-color, arg SH: AA SH: AA SH: AA SH: gry-drk gry, silty, soft SH: AA SH: AA SH: AA, LS, gry-drk gry, of crypto stln, blkly, dns LS: AA, SH, gry-rd, arg LS: AA, SH, AA LS: gry-drk gry, of crypto stln, blkly, dns, SH, AA SH: AA, abndt Cherty LS, brn-gry, blkly, shrp, ang, dns SH: drk gry-brn, arg, some blk, carb, grn wxy & red arg SH: multi-color, AA SH: multi-color, AA	Mississippian 3996 (-2351)
	4150			LS: AA LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns LS: AA SH: multi-color, arg SH: multi-color, arg SH: AA SH: AA SH: AA SH: gry-drk gry, silty, soft SH: AA SH: AA SH: AA, LS, gry-drk gry, of crypto stln, blkly, dns LS: AA, SH, gry-rd, arg LS: AA, SH, AA LS: gry-drk gry, of crypto stln, blkly, dns, SH, AA SH: AA, abndt Cherty LS, brn-gry, blkly, shrp, ang, dns SH: drk gry-brn, arg, some blk, carb, grn wxy & red arg SH: multi-color, AA SH: multi-color, AA	Rig Mud Check VIS: 53 WT: 9.0 LCM: 2#
	4200			LS: AA LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns LS: AA SH: multi-color, arg SH: multi-color, arg SH: AA SH: AA SH: AA SH: gry-drk gry, silty, soft SH: AA SH: AA SH: AA, LS, gry-drk gry, of crypto stln, blkly, dns LS: AA, SH, gry-rd, arg LS: AA, SH, AA LS: gry-drk gry, of crypto stln, blkly, dns, SH, AA SH: AA, abndt Cherty LS, brn-gry, blkly, shrp, ang, dns SH: drk gry-brn, arg, some blk, carb, grn wxy & red arg SH: multi-color, AA SH: multi-color, AA	Mud-Co Check VIS: 44 WT: 9.3 LCM: 1.5#
	4250			LS: AA LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns LS: AA SH: multi-color, arg SH: multi-color, arg SH: AA SH: AA SH: AA SH: gry-drk gry, silty, soft SH: AA SH: AA SH: AA, LS, gry-drk gry, of crypto stln, blkly, dns LS: AA, SH, gry-rd, arg LS: AA, SH, AA LS: gry-drk gry, of crypto stln, blkly, dns, SH, AA SH: AA, abndt Cherty LS, brn-gry, blkly, shrp, ang, dns SH: drk gry-brn, arg, some blk, carb, grn wxy & red arg SH: multi-color, AA SH: multi-color, AA	Rig Mud Check VIS: 53 WT: 9.6 LCM: 2#
	4300			LS: AA LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns LS: AA SH: multi-color, arg SH: multi-color, arg SH: AA SH: AA SH: AA SH: gry-drk gry, silty, soft SH: AA SH: AA SH: AA, LS, gry-drk gry, of crypto stln, blkly, dns LS: AA, SH, gry-rd, arg LS: AA, SH, AA LS: gry-drk gry, of crypto stln, blkly, dns, SH, AA SH: AA, abndt Cherty LS, brn-gry, blkly, shrp, ang, dns SH: drk gry-brn, arg, some blk, carb, grn wxy & red arg SH: multi-color, AA SH: multi-color, AA	CS @ 4300'
	4350			LS: AA LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns LS: AA SH: multi-color, arg SH: multi-color, arg SH: AA SH: AA SH: AA SH: gry-drk gry, silty, soft SH: AA SH: AA SH: AA, LS, gry-drk gry, of crypto stln, blkly, dns LS: AA, SH, gry-rd, arg LS: AA, SH, AA LS: gry-drk gry, of crypto stln, blkly, dns, SH, AA SH: AA, abndt Cherty LS, brn-gry, blkly, shrp, ang, dns SH: drk gry-brn, arg, some blk, carb, grn wxy & red arg SH: multi-color, AA SH: multi-color, AA	CS @ 4300'
	4400			LS: AA LS: wht-ft gry, of stln, chtry, blkly, no vis por, ns LS: AA SH: multi-color, arg SH: multi-color, arg SH: AA SH: AA SH: AA SH: gry-drk gry, silty, soft SH: AA SH: AA SH: AA, LS, gry-drk gry, of crypto stln, blkly, dns LS: AA, SH, gry-rd, arg LS: AA, SH, AA LS: gry-drk gry, of crypto stln, blkly, dns, SH, AA SH: AA, abndt Cherty LS, brn-gry, blkly, shrp, ang, dns SH: drk gry-brn, arg, some blk, carb, grn wxy & red arg SH: multi-color, AA SH: multi-color, AA	RTD reached @ 5:43pm on 7/01/20 LTD 4380 (-2735) RTD 4380 (-2735)

Company	COBALT ENERGY, LLC	Elevation	1645' KB
Lease	Wegman-Kinsler Unit #1-15		
Location	2213' FNL & 265' FEL	SEC. 15 TWP 27S RGE 8W	
County	Kingman	State Kansas	

