

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				

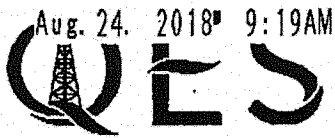
1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted 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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PRESSURE PUMPING LLC
 PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-6676

11447
 11335

No. 0646 P. 6
 TICKET NUMBER 55282
 LOCATION Okley Ks
 FOREMAN Jerry V

FIELD TICKET & TREATMENT REPORT
 CEMENT

Invoice #813978 Ks

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
8-16-18	2180	Bonita "A" Unit 1-30	30	65	25W	Graham	
CUSTOMER		Cobalt Energy					
MAILING ADDRESS		P.O. Box 8037					
CITY		STATE	ZIP CODE				
Wichita		KS	67208				
		STUDY	TRUCK #	DRIVER	TRUCK #	DRIVER	
		10 1/2 bbl	731	Neil W			
		1/2 EOT	528-T-127	Eric W			
		SIDE	535	Jerry V			
			697	Watt D			

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 389 CASING SIZE & WEIGHT 8 5/8 23 lb
 CASING DEPTH 389 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.24 WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 23 1/2 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig up on Mar 24 circulate casing mix 225sk
com 3% CC 2% gal wash up & displace with 23 1/2 bbl fresh water &
shut in approx 2 bbl top

Cement did
circulate

Thank you
Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0471	1	PUMP CHARGE	1150.00	1150.00
CE 0002	60	MILEAGE	7.15	429.00
CE 0710	10.58	ton mileage delivery	1.75	1110.90
CC 5871	225sk	Surface blend IF	24.00	5400.00
			Subtotal	8089.90
			-30%	2426.97
			Subtotal	5662.93
			SALES TAX	283.50
			ESTIMATED TOTAL	5946.43

SCANNED

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms unless specifically amended in writing on the front of the form or in the customer's
 Received Time: Aug. 24, 2018 9:20AM No. 2873
 at _____ on the back of this form are in effect for services identified on this form



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy, LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Corey Baker

Bonita Unit A #1-30

30-6S-25W Graham,KS

Start Date: 2018.08.20 @ 22:09:54

End Date: 2018.08.21 @ 10:07:24

Job Ticket #: 63139 DST #: 1

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

Printed: 2018.08.24 @ 09:33:05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy, LLC

30-6S-25W Graham, KS

PO Box 8037
Wichita, KS 67208

Bonita Unit A #1-30

ATTN: Corey Baker

Job Ticket: 63139

DST#: 1

Test Start: 2018.08.20 @ 22:09:54

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:08:54

Time Test Ended: 10:07:24

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3706.00 ft (KB) To 3732.00 ft (KB) (TVD)

Reference Elevations: 2620.00 ft (KB)

Total Depth: 3732.00 ft (KB) (TVD)

2615.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6753 Outside

Press@RunDepth: 31.92 psig @ 3707.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.08.20

End Date:

2018.08.21

Last Calib.: 2018.08.21

Start Time: 22:09:59

End Time:

10:07:24

Time On Btm: 2018.08.21 @ 04:08:24

Time Off Btm: 2018.08.21 @ 07:27:24

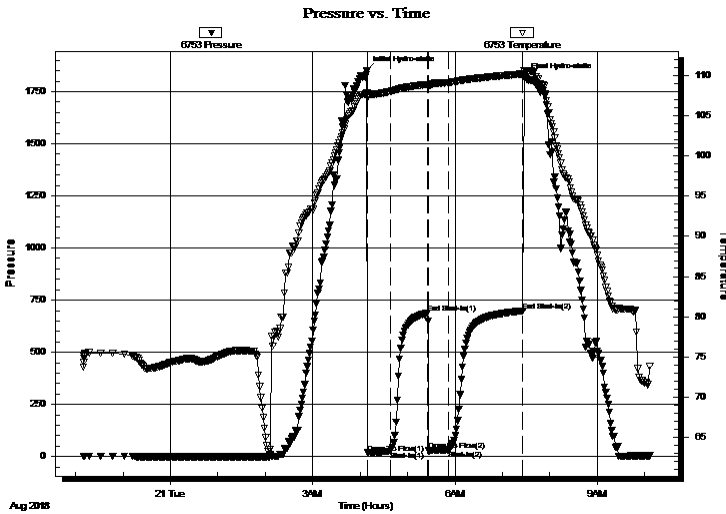
TEST COMMENT: 30- IF- Slowly built to 1 1/4"

45- IS- No blow

30- FF- 1/4" blow

90- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1851.12	107.89	Initial Hydro-static
1	18.35	107.18	Open To Flow (1)
30	24.61	108.01	Shut-In(1)
77	687.55	108.92	End Shut-In(1)
78	28.24	108.77	Open To Flow (2)
104	31.92	109.13	Shut-In(2)
198	698.03	110.20	End Shut-In(2)
199	1815.89	110.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM, 10%O 90%M	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy, LLC

30-6S-25W Graham,KS

PO Box 8037
Wichita, KS 67208

Bonita Unit A #1-30

Job Ticket: 63139

DST#: 1

ATTN: Corey Baker

Test Start: 2018.08.20 @ 22:09:54

Tool Information

Drill Pipe:	Length: 3493.00 ft	Diameter: 3.82 inches	Volume: 49.51 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 205.00 ft	Diameter: 2.25 inches	Volume: 1.01 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3706.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	52.00 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			3681.00	
Shut In Tool	5.00			3686.00	
Hydraulic tool	5.00			3691.00	
Gap Sub	3.00			3694.00	
Safety Joint	3.00			3697.00	
Packer	5.00			3702.00	26.00 Bottom Of Top Packer
Packer	4.00			3706.00	
Stubb	1.00			3707.00	
Recorder	0.00	6771	Inside	3707.00	
Recorder	0.00	6753	Outside	3707.00	
Perforations	22.00			3729.00	
Bullnose	3.00			3732.00	26.00 Bottom Packers & Anchor

Total Tool Length: 52.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy, LLC

30-6S-25W Graham,KS

PO Box 8037
Wichita, KS 67208

Bonita Unit A #1-30

Job Ticket: 63139

DST#: 1

ATTN: Corey Baker

Test Start: 2018.08.20 @ 22:09:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCM, 10%O 90%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

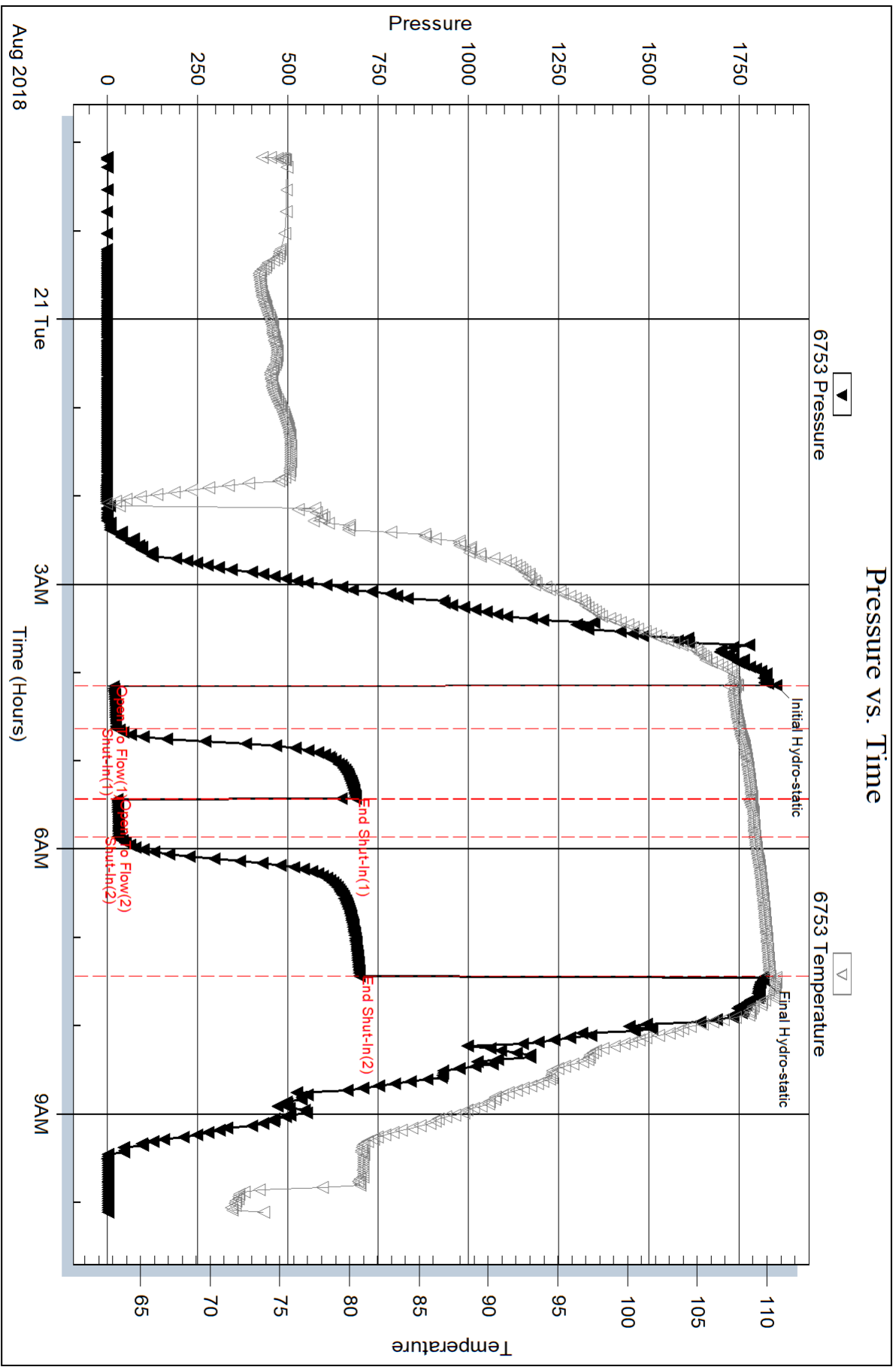
Num Gas Bombs: 0

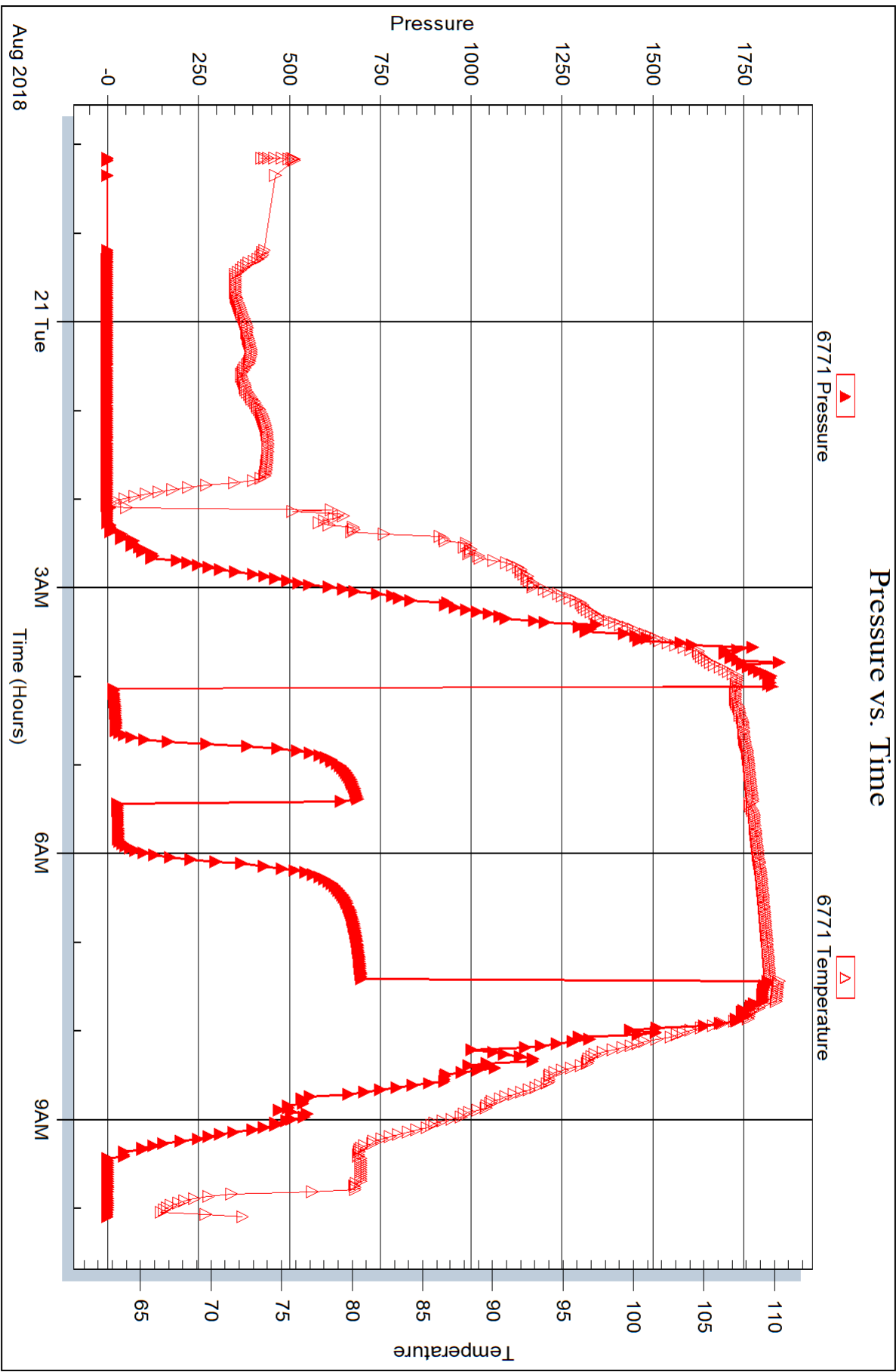
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy, LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Corey Baker

Bonita Unit A #1-30

30-6S-25W Graham,KS

Start Date: 2018.08.21 @ 19:30:54

End Date: 2018.08.22 @ 04:40:24

Job Ticket #: 63140 DST #: 2

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

Printed: 2018.08.24 @ 09:32:44

Cobalt Energy, LLC
30-6S-25W Graham,KS
Bonita Unit A #1-30
DST # 2
LKC "D-G"
2018.08.21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy, LLC

30-6S-25W Graham, KS

PO Box 8037
Wichita, KS 67208

Bonita Unit A #1-30

ATTN: Corey Baker

Job Ticket: 63140

DST#: 2

Test Start: 2018.08.21 @ 19:30:54

GENERAL INFORMATION:

Formation: **LKC "D-G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:02:24
 Time Test Ended: 04:40:24
 Interval: **3730.00 ft (KB) To 3790.00 ft (KB) (TVD)**
 Total Depth: 3790.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2620.00 ft (KB)
 2615.00 ft (CF)
 KB to GR/CF: 5.00 ft

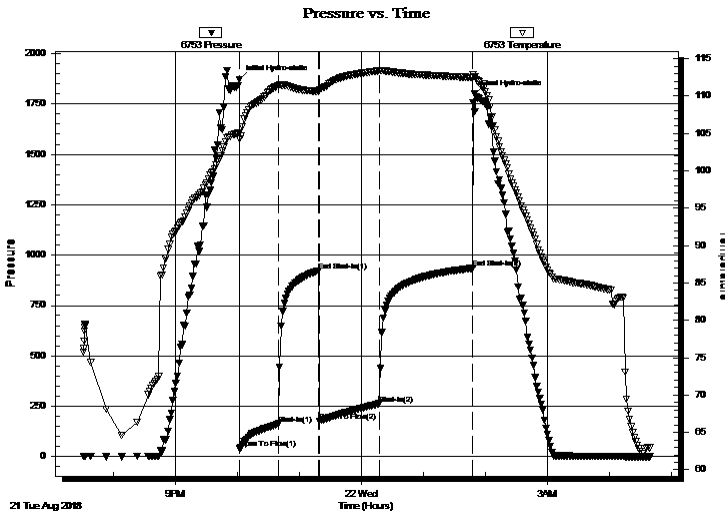
Serial #: 6753

Outside

Press@RunDepth: 262.61 psig @ 3731.00 ft (KB)
 Start Date: 2018.08.21 End Date: 2018.08.22
 Start Time: 19:30:59 End Time: 04:40:24
 Capacity: 8000.00 psig
 Last Calib.: 2018.08.22
 Time On Btm: 2018.08.21 @ 22:01:54
 Time Off Btm: 2018.08.22 @ 01:49:24

TEST COMMENT: 30- IF- BOB 11mins. Built to 24.75"
 45- IS- No blow
 60- FF- BOB 21mins. Built to 27"
 90- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1871.00	105.09	Initial Hydro-static
1	39.23	104.26	Open To Flow (1)
38	162.77	111.39	Shut-In(1)
77	921.93	110.62	End Shut-In(1)
78	175.50	110.72	Open To Flow (2)
136	262.61	113.37	Shut-In(2)
226	934.69	112.49	End Shut-In(2)
228	1798.63	112.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
521.00	MW, 35%M 65%W	5.49
15.00	CO	0.21

* 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

30-6S-25W Graham,KS

PO Box 8037
Wichita, KS 67208

Bonita Unit A #1-30

Job Ticket: 63140

DST#: 2

ATTN: Corey Baker

Test Start: 2018.08.21 @ 19:30:54

Tool Information

Drill Pipe:	Length: 3524.00 ft	Diameter: 3.82 inches	Volume: 49.95 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 205.00 ft	Diameter: 2.25 inches	Volume: 1.01 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3730.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	86.00 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			3705.00	
Shut In Tool	5.00			3710.00	
Hydraulic tool	5.00			3715.00	
Gap Sub	3.00			3718.00	
Safety Joint	3.00			3721.00	
Packer	5.00			3726.00	26.00 Bottom Of Top Packer
Packer	4.00			3730.00	
Stubb	1.00			3731.00	
Recorder	0.00	6771	Inside	3731.00	
Recorder	0.00	6753	Outside	3731.00	
Perforations	20.00			3751.00	
Change Over Sub	1.00			3752.00	
Drill Pipe	31.00			3783.00	
Change Over Sub	1.00			3784.00	
Perforations	3.00			3787.00	
Bullnose	3.00			3790.00	60.00 Bottom Packers & Anchor
Total Tool Length:	86.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy, LLC

30-6S-25W Graham,KS

PO Box 8037
Wichita, KS 67208

Bonita Unit A #1-30

Job Ticket: 63140

DST#: 2

ATTN: Corey Baker

Test Start: 2018.08.21 @ 19:30:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

60000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
521.00	MW, 35%M 65%W	5.488
15.00	CO	0.213

Total Length: 536.00 ft Total Volume: 5.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

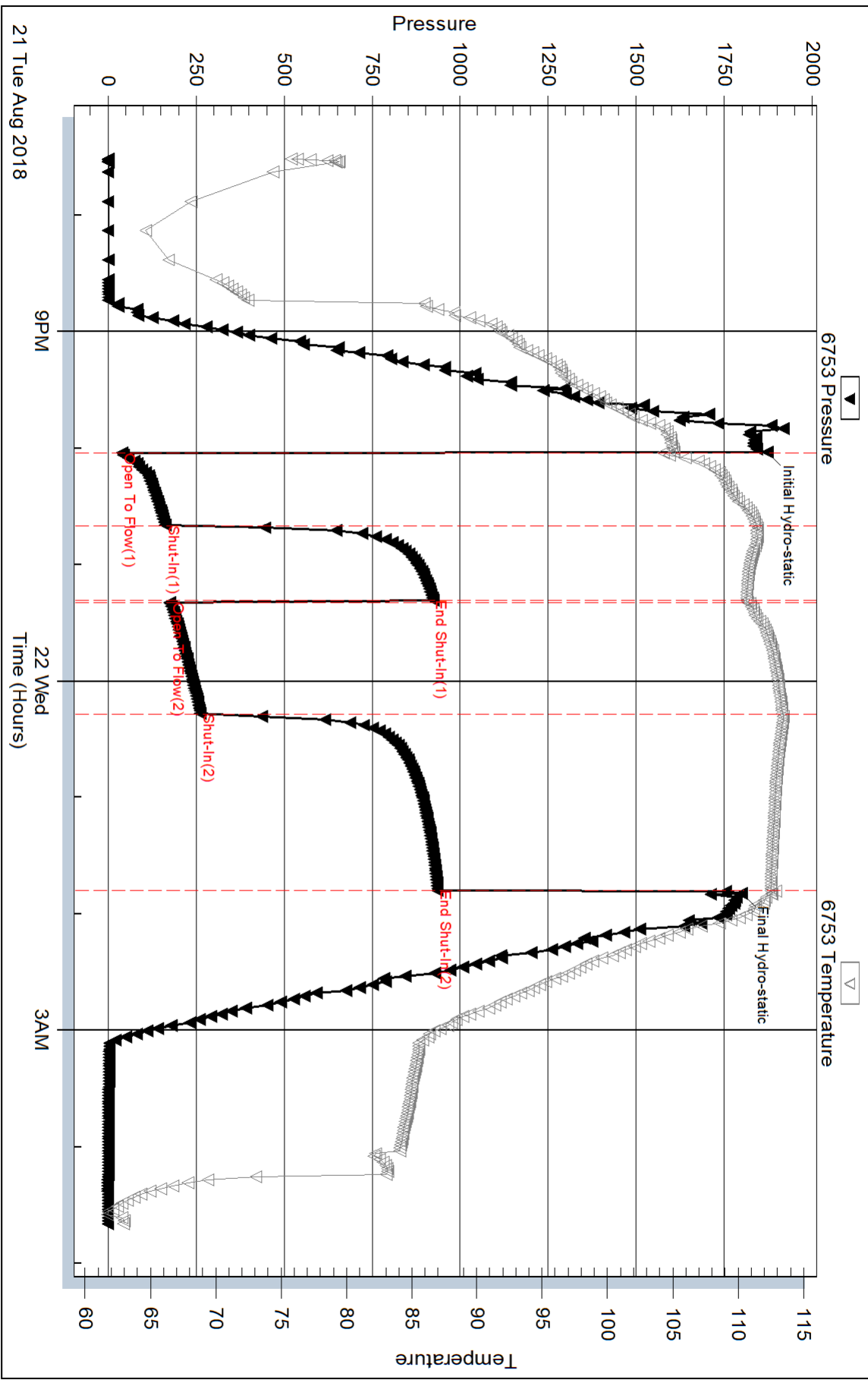
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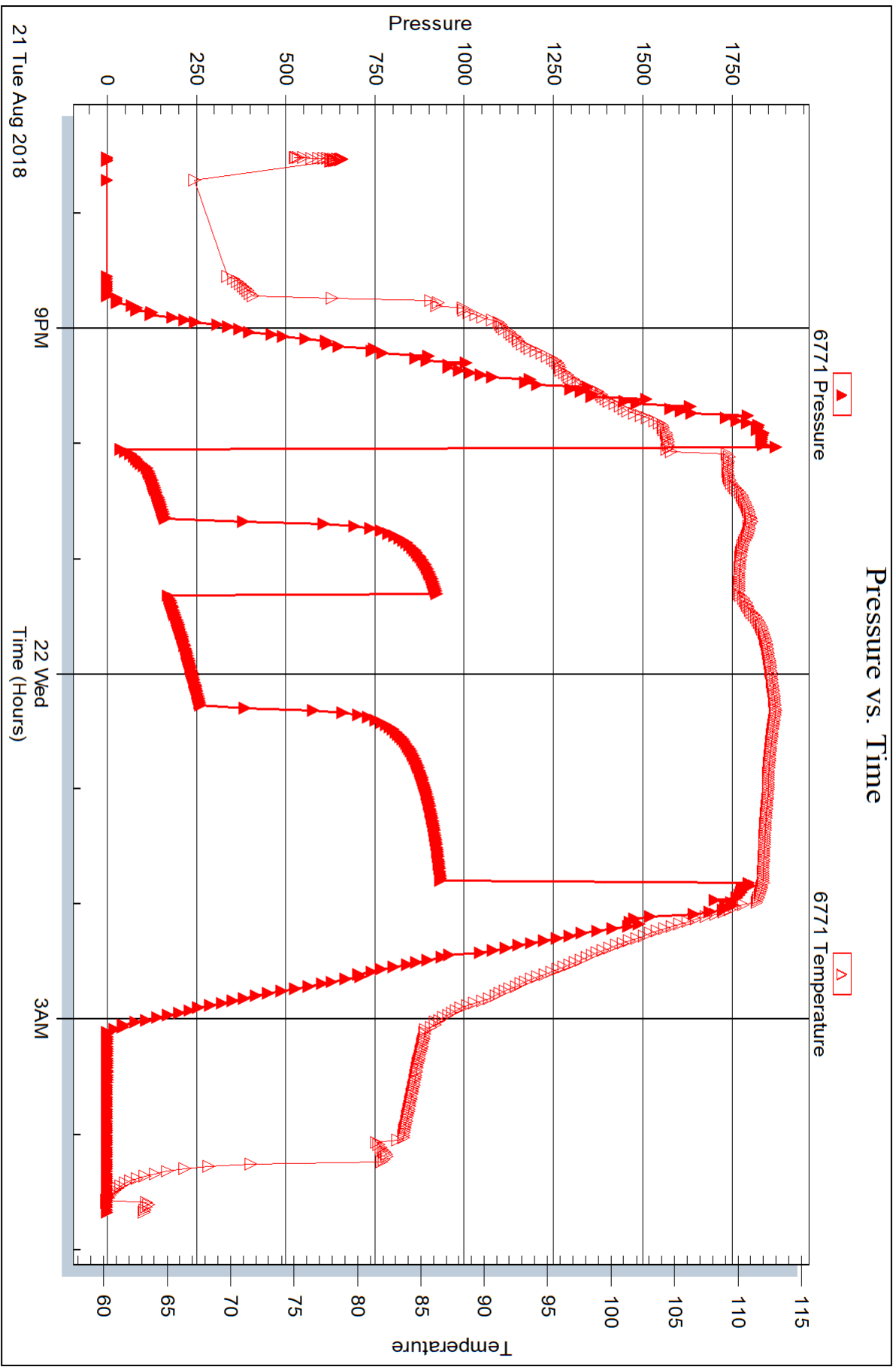
Laboratory Name:

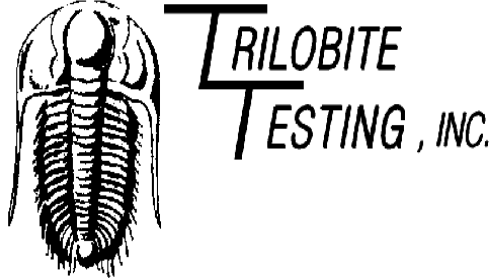
Laboratory Location:

Recovery Comments: RW: .13@62deg

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy, LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Corey Baker

Bonita Unit A #1-30

30-6S-25W Graham,KS

Start Date: 2018.08.22 @ 13:58:34

End Date: 2018.08.22 @ 23:03:04

Job Ticket #: 63141 DST #: 3

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

Printed: 2018.08.24 @ 09:32:22

Cobalt Energy, LLC
30-6S-25W Graham,KS
Bonita Unit A #1-30
DST # 3
LKC "H-J"
2018.08.22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy, LLC

30-6S-25W Graham, KS

PO Box 8037
Wichita, KS 67208

Bonita Unit A #1-30

ATTN: Corey Baker

Job Ticket: 63141

DST#: 3

Test Start: 2018.08.22 @ 13:58:34

GENERAL INFORMATION:

Formation: **LKC "H-J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:55:34
 Time Test Ended: 23:03:04
 Interval: **3788.00 ft (KB) To 3850.00 ft (KB) (TVD)**
 Total Depth: 3850.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2620.00 ft (KB)
 2615.00 ft (CF)
 KB to GR/CF: 5.00 ft

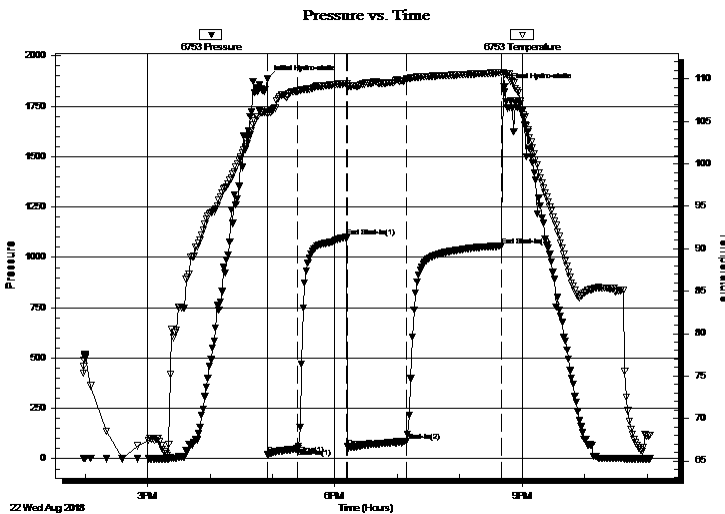
Serial #: 6753

Outside

Press@RunDepth: 87.84 psig @ 3789.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.08.22 End Date: 2018.08.22 Last Calib.: 2018.08.22
 Start Time: 13:58:39 End Time: 23:03:04 Time On Btm: 2018.08.22 @ 16:55:04
 Time Off Btm: 2018.08.22 @ 20:42:34

TEST COMMENT: 30- IF- Slow ly built to 4"
 45- IS- No blow
 60- FF- Slow ly built to 4"
 90- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1884.86	106.37	Initial Hydro-static
1	22.27	105.91	Open To Flow (1)
30	49.67	108.63	Shut-In(1)
77	1099.62	109.45	End Shut-In(1)
77	58.79	109.09	Open To Flow (2)
134	87.84	109.99	Shut-In(2)
225	1056.21	110.75	End Shut-In(2)
228	1844.85	110.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	WM, 10%W 90%M	0.59
30.00	OSM	0.15
1.00	CO	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

30-6S-25W Graham,KS

PO Box 8037
Wichita, KS 67208

Bonita Unit A #1-30

Job Ticket: 63141

DST#: 3

ATTN: Corey Baker

Test Start: 2018.08.22 @ 13:58:34

Tool Information

Drill Pipe:	Length: 3586.00 ft	Diameter: 3.82 inches	Volume: 50.83 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 205.00 ft	Diameter: 2.25 inches	Volume: 1.01 bbl	Weight to Pull Loose: 63000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3788.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	88.00 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			3763.00	
Shut In Tool	5.00			3768.00	
Hydraulic tool	5.00			3773.00	
Gap Sub	3.00			3776.00	
Safety Joint	3.00			3779.00	
Packer	5.00			3784.00	26.00 Bottom Of Top Packer
Packer	4.00			3788.00	
Stubb	1.00			3789.00	
Recorder	0.00	6771	Inside	3789.00	
Recorder	0.00	6753	Outside	3789.00	
Perforations	20.00			3809.00	
Change Over Sub	1.00			3810.00	
Drill Pipe	31.00			3841.00	
Change Over Sub	1.00			3842.00	
Perforations	5.00			3847.00	
Bullnose	3.00			3850.00	62.00 Bottom Packers & Anchor
Total Tool Length:	88.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy, LLC

30-6S-25W Graham,KS

PO Box 8037
Wichita, KS 67208

Bonita Unit A #1-30

Job Ticket: 63141

DST#: 3

ATTN: Corey Baker

Test Start: 2018.08.22 @ 13:58:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	WM, 10%W 90%M	0.590
30.00	OSM	0.148
1.00	CO	0.005

Total Length: 151.00 ft Total Volume: 0.743 bbl

Num Fluid Samples: 0

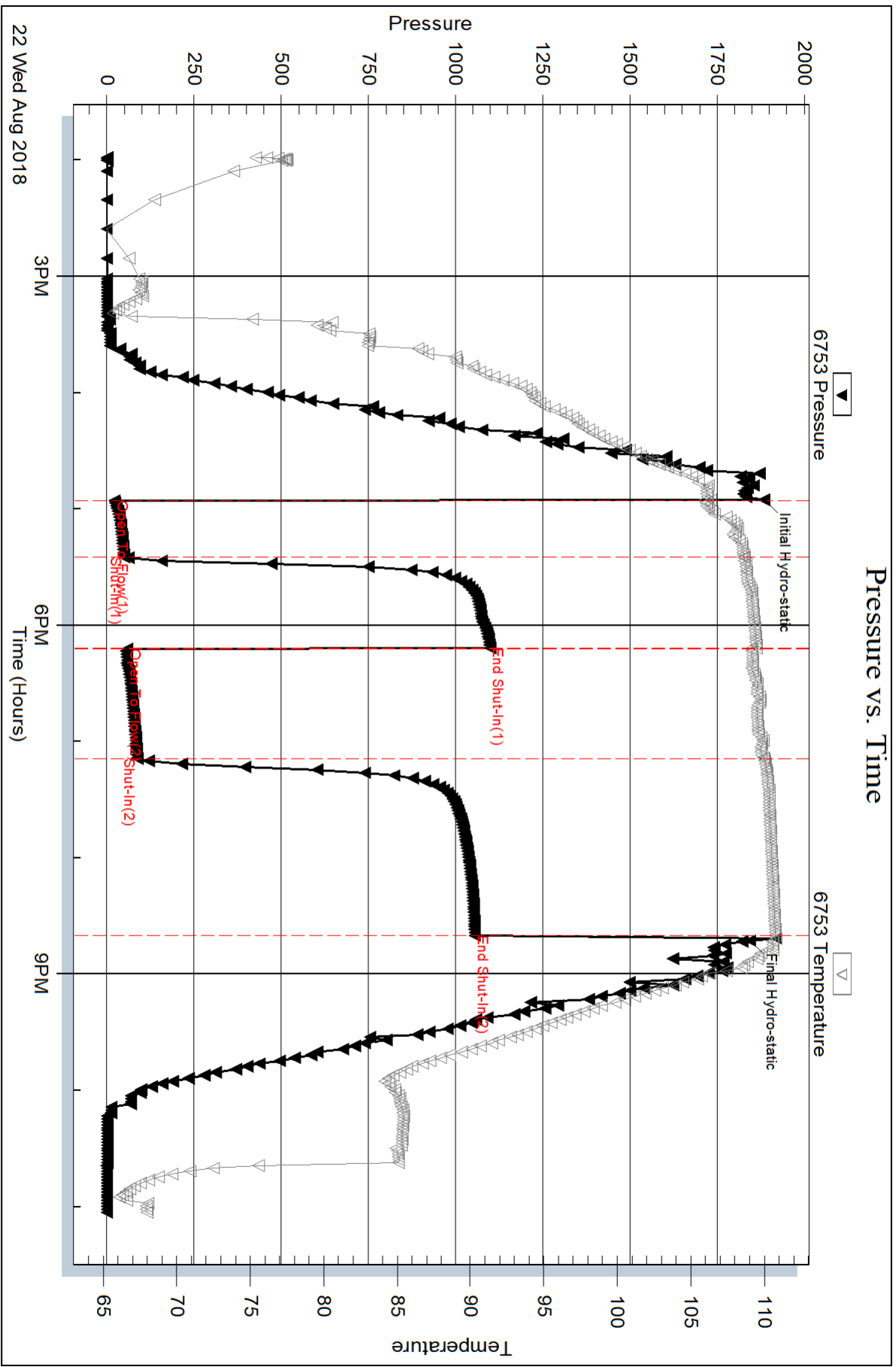
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .22@66deg



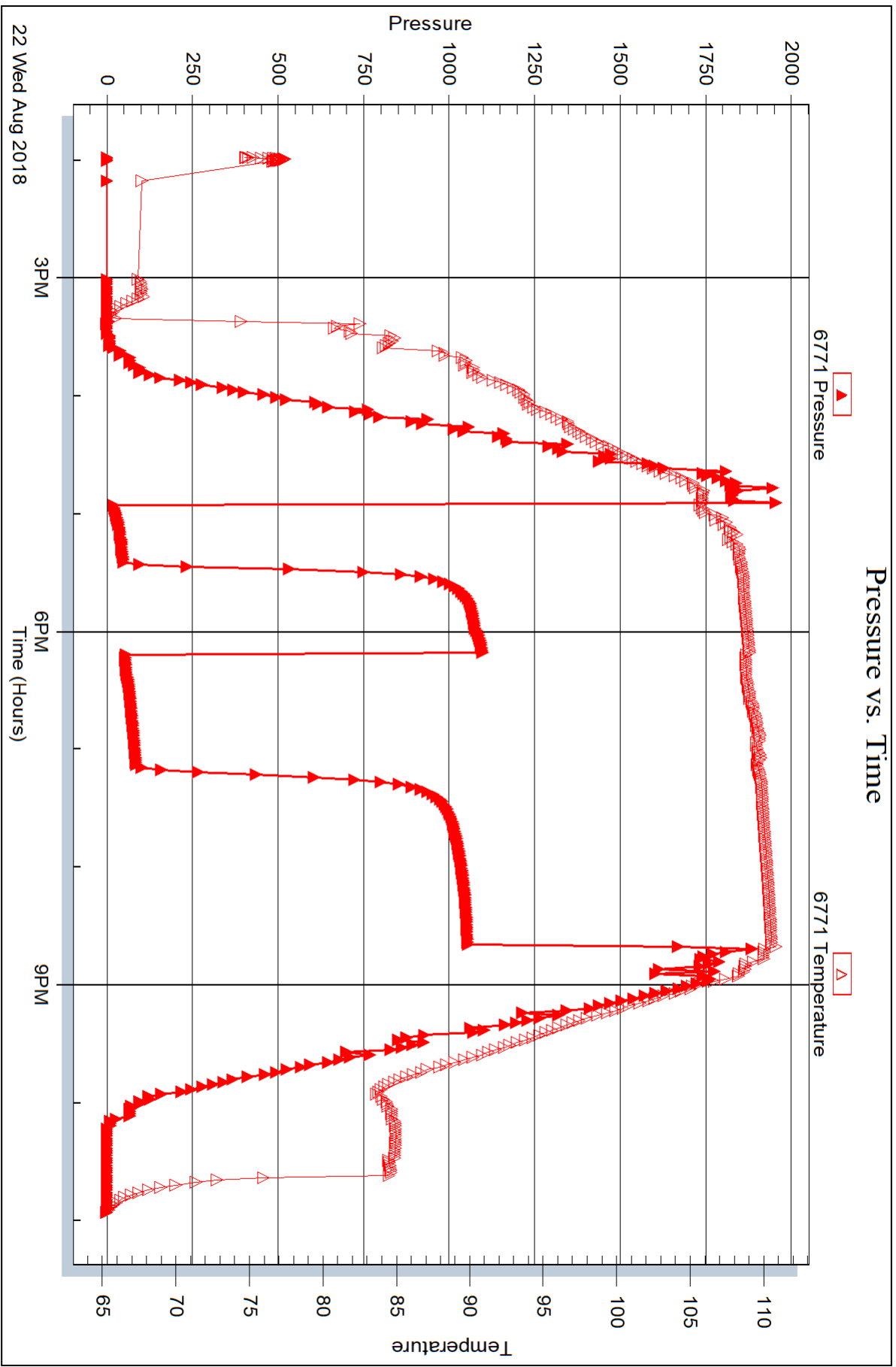
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Inside

Cobalt Energy, LLC

Bonita Unit A #1-30

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy, LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Corey Baker

Bonita Unit A #1-30

30-6S-25W Graham,KS

Start Date: 2018.08.23 @ 07:28:16

End Date: 2018.08.23 @ 16:01:46

Job Ticket #: 63142 DST #: 4

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

Printed: 2018.08.24 @ 09:31:48



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy, LLC

30-6S-25W Graham, KS

PO Box 8037
Wichita, KS 67208

Bonita Unit A #1-30

ATTN: Corey Baker

Job Ticket: 63142

DST#: 4

Test Start: 2018.08.23 @ 07:28:16

GENERAL INFORMATION:

Formation: **LKC "K - L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:15:16

Time Test Ended: 16:01:46

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3846.00 ft (KB) To 3880.00 ft (KB) (TVD)

Reference Elevations: 2620.00 ft (KB)

Total Depth: 3880.00 ft (KB) (TVD)

2615.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6753 Outside

Press@RunDepth: 25.44 psig @ 3847.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.08.23

End Date:

2018.08.23

Last Calib.:

2018.08.23

Start Time: 07:28:21

End Time:

16:01:46

Time On Btm:

2018.08.23 @ 11:14:46

Time Off Btm:

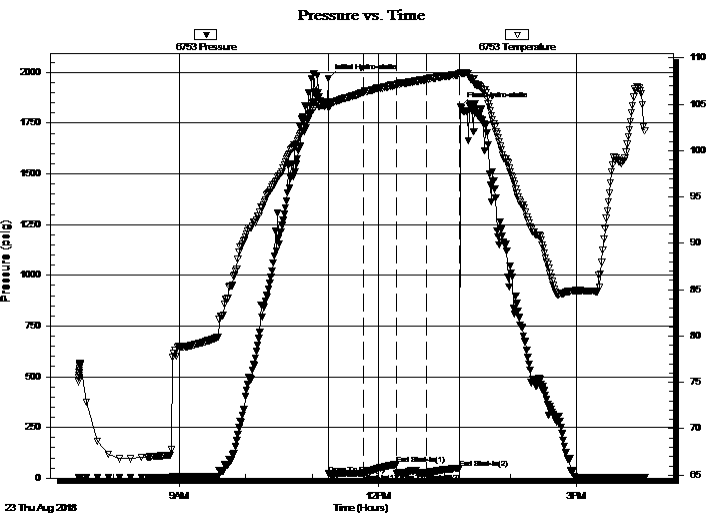
2018.08.23 @ 13:14:46

TEST COMMENT: 30- IF- Weak surface blow

30- IS- No blow

30- FF- No blow

30- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1967.89	105.00	Initial Hydro-static
1	20.20	104.66	Open To Flow (1)
32	22.32	106.28	Shut-In(1)
62	67.80	107.03	End Shut-In(1)
62	24.96	107.02	Open To Flow (2)
90	25.44	107.67	Shut-In(2)
119	49.63	108.19	End Shut-In(2)
120	1832.64	108.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	M	0.07

* 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

30-6S-25W Graham,KS

PO Box 8037
Wichita, KS 67208

Bonita Unit A #1-30

Job Ticket: 63142

DST#: 4

ATTN: Corey Baker

Test Start: 2018.08.23 @ 07:28:16

Tool Information

Drill Pipe:	Length: 3648.00 ft	Diameter: 3.82 inches	Volume: 51.71 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 205.00 ft	Diameter: 2.25 inches	Volume: 1.01 bbl	Weight to Pull Loose:	64000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	52000.00 lb
Drill Pipe Above KB:	30.00 ft			Final	52000.00 lb
Depth to Top Packer:	3846.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	57.00 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			3824.00	
Shut In Tool	5.00			3829.00	
Hydraulic tool	5.00			3834.00	
Safety Joint	3.00			3837.00	
Packer	5.00			3842.00	23.00 Bottom Of Top Packer
Packer	4.00			3846.00	
Stubb	1.00			3847.00	
Recorder	0.00	6771	Inside	3847.00	
Recorder	0.00	6753	Outside	3847.00	
Perforations	30.00			3877.00	
Bullnose	3.00			3880.00	34.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy, LLC

30-6S-25W Graham,KS

PO Box 8037
Wichita, KS 67208

Bonita Unit A #1-30

Job Ticket: 63142

DST#: 4

ATTN: Corey Baker

Test Start: 2018.08.23 @ 07:28:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	M	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

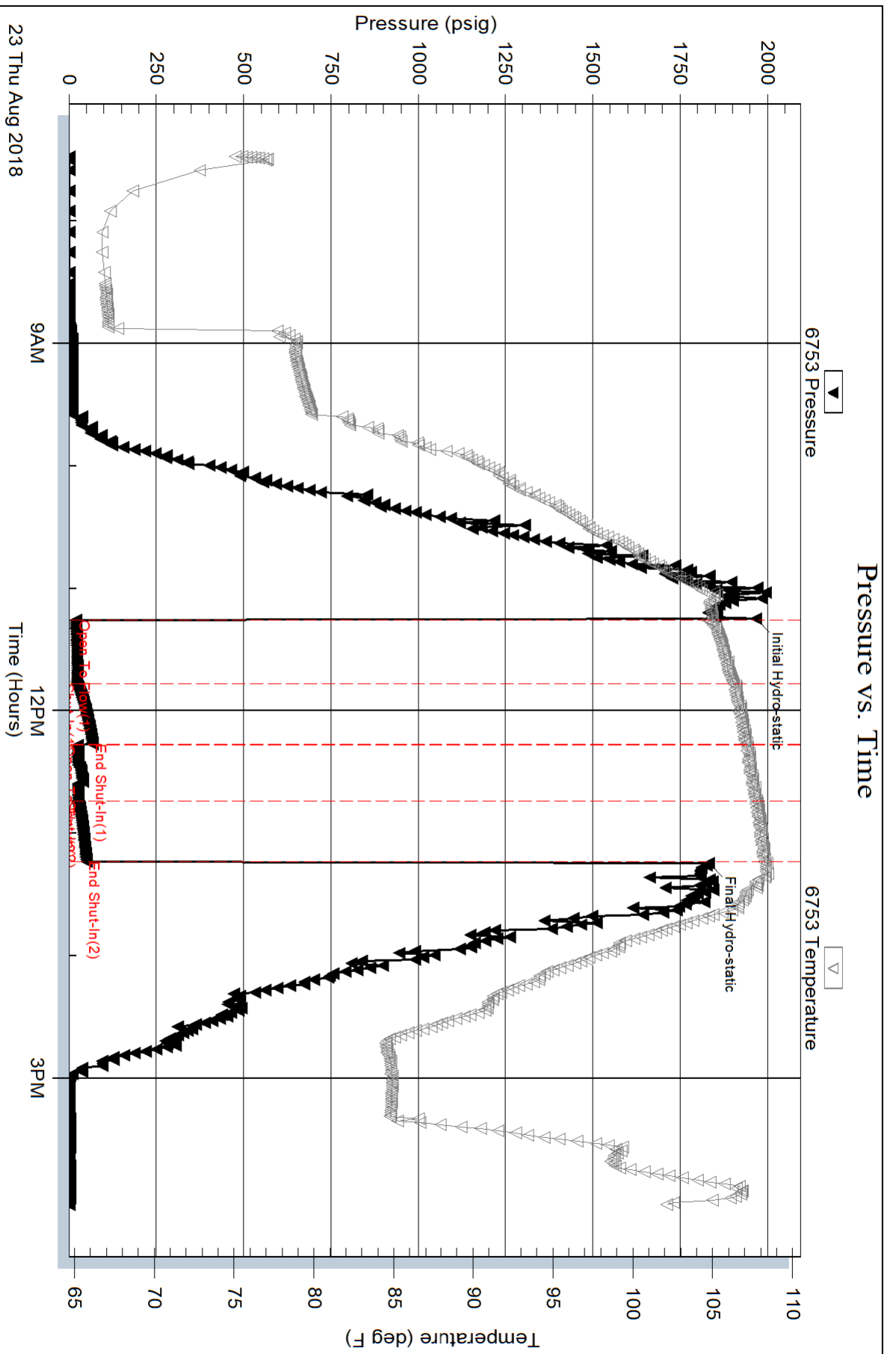
Num Gas Bombs: 0

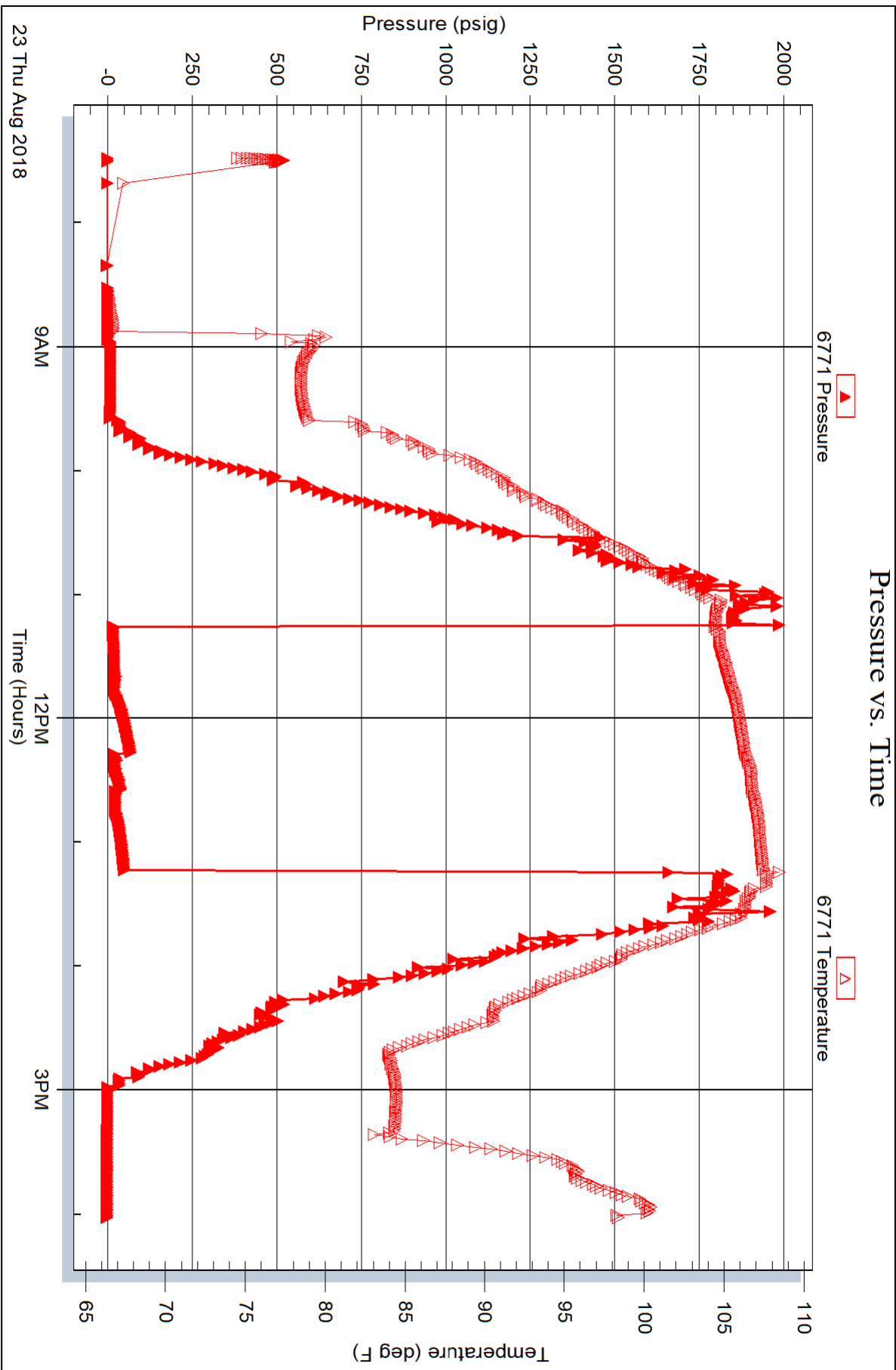
Serial #:

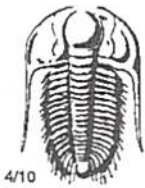
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63139

Well Name & No. Bonita Unit A 1-30 Test No. 1 Date 8/21/18
 Company Cobalt Energy, LLC Elevation 2620 KB 2615 GL
 Address _____
 Co. Rep / Geo. Carey Baker Rig Murfin #24
 Location: Sec. 30 Twp. 6 S Rge. 25 W Co. Graham State KS

Interval Tested 3706-3732 Zone Tested LKC "C"
 Anchor Length 26' Drill Pipe Run 3493 Mud Wt. 8.9
 Top Packer Depth 3701 Drill Collars Run 205 Vis 50
 Bottom Packer Depth 3706 Wt. Pipe Run _____ WL 6.0
 Total Depth 3732 Chlorides 900 ppm System LCM 2#

Blow Description IF - slowly built to 1 1/4"
ISF - No flow
FF - 1/4" blow
FST - No flow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>OCM</u>		<u>10</u>		<u>90</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

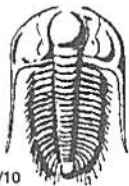
Rec Total 30' BHT 110° Gravity 30 API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1851</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>8/20</u> <u>2150</u>
(B) First Initial Flow <u>18</u>	<input type="checkbox"/> Jars _____	T-Started _____ <u>2209</u>
(C) First Final Flow <u>25</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open _____ <u>0708</u>
(D) Initial Shut-In <u>688</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled _____ <u>0723</u>
(E) Second Initial Flow <u>28</u>	<input checked="" type="checkbox"/> Hourly Standby <u>2h 160</u>	T-Out _____ <u>1007</u>
(F) Second Final Flow <u>32</u>	<input checked="" type="checkbox"/> Mileage <u>182 RT</u> <u>182</u>	Comments <u>EMI Test</u>
(G) Final Shut-In <u>698</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1816</u>	<input type="checkbox"/> Straddle _____	
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility _____	Total <u>1467</u>
	Sub Total <u>1467</u>	MP/DST Disc't _____

Approved By _____

Our Representative

Brannan Lonsdale



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63140

Well Name & No. Bonita Unit A 1-30 Test No. 2 Date 8/21/18
 Company Cohold Energy, LLC Elevation 2620 KB 2615 GL
 Address _____
 Co. Rep / Geo. Carey Baker Rig Murfin 24
 Location: Sec. 30 Twp. 6 S Rge. 25 W Co. Graham State KS

Interval Tested 3730-3790 Zone Tested LKC "D-G"
 Anchor Length 60' Drill Pipe Run 3524 Mud Wt. 9.0
 Top Packer Depth 3725 Drill Collars Run 205 Vis 60
 Bottom Packer Depth 3730 Wt. Pipe Run _____ WL 6.0
 Total Depth 3790 Chlorides 1,200 ppm System LCM 2#

Blow Description IF-BOB 11 mins, Built to 24 3/4"
ISI - No Flow
FF-BOB 21 mins, Built to 27"
FSE - No Flow

Rec	Feet of	%gas	%oil	%water	%mud
<u>521</u>	<u>MW</u>			<u>65%</u>	<u>35%</u>
<u>15</u>	<u>CO</u>				
_____	_____				
_____	_____				
_____	_____				

Rec Total 536' BHT 113° Gravity 35 API RW .13 @ 62° F Chlorides 60,000 ppm

(A) Initial Hydrostatic 1871 Test 1050 T-On Location 1907
 (B) First Initial Flow 39 Jars _____ T-Started 1930
 (C) First Final Flow 163 Safety Joint 75 T-Open 2201
 (D) Initial Shut-In 922 Circ Sub _____ T-Pulled 8/22 0146
 (E) Second Initial Flow 176 Hourly Standby _____ T-Out 0439
 (F) Second Final Flow 263 Mileage 182 RT 182 Comments EMI Tool
 (G) Final Shut-In 935 Sampler _____
 (H) Final Hydrostatic 1799 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 90

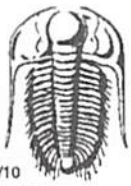
Sub Total 1307

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1307
 MP/DST Disc't _____

Approved By _____

Our Representative

Brianan Lonsdale



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63141

Well Name & No. Bonita Unit A-130 Test No. 3 Date 8/22/18
 Company Cobalt Energy, LLC Elevation 2620 KB 2615 GL
 Address _____
 Co. Rep / Geo. Corey Baker Rig Murfin 24
 Location: Sec. 30 Twp. 6 S Rge. 25 W Co. Graham State KS

Interval Tested 3708-3850 Zone Tested LKC "H-J"
 Anchor Length 62' Drill Pipe Run 3586 Mud Wt. 9.1
 Top Packer Depth 3783 Drill Collars Run 205 Vis 44
 Bottom Packer Depth 3708 Wt. Pipe Run _____ WL 6.4
 Total Depth 3850 Chlorides 3400 ppm System LCM 2nd
 Blow Description IF - Slowly built to 4"
PSI - No blow
PF - Slowly built to 4"
FSI - No blow

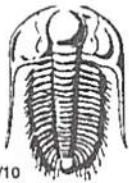
Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>WM</u>			<u>10</u>	<u>90</u>
<u>30</u>	<u>OSM</u>				
<u>1</u>	<u>CO</u>				
_____	_____				
_____	_____				

Rec Total 151 BHT 111° Gravity 35 API RW .22@ 66° F Chlorides 33,000 ppm
 (A) Initial Hydrostatic 1885 Test 1050 T-On Location 1338
 (B) First Initial Flow 22 Jars _____ T-Started 1358
 (C) First Final Flow 50 Safety Joint 75 T-Open 1655
 (D) Initial Shut-In 1100 Circ Sub _____ T-Pulled 2076
 (E) Second Initial Flow 59 Hourly Standby _____ T-Out 2303
 (F) Second Final Flow 88 Mileage 182 RT 182 Comments EM Tool
 (G) Final Shut-In 1056 Sampler _____
 (H) Final Hydrostatic 1845 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1307
 Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 90
 Sub Total 0
 Total 1307
 MP/DST Disc't _____

Approved By _____

Our Representative

Brannan Lonsdale



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63142**

Well Name & No. Benita Unit A 1-30 Test No. 4 Date 8/23/18
 Company Cobalt Energy, LLC Elevation 2620 KB 2615 GL
 Address _____
 Co. Rep / Geo. Corey Baker Rig Murfin 24
 Location: Sec. 30 Twp. 6 S Rge. 25 W Co. Graham State KS

Interval Tested 3846-3880 Zone Tested LKC "K+L"
 Anchor Length 34' Drill Pipe Run 3648 Mud Wt. 9.1
 Top Packer Depth 3841 Drill Collars Run 205 Vis 44
 Bottom Packer Depth 3846 Wt. Pipe Run _____ WL 6.4
 Total Depth 3880 Chlorides 1400 ppm System LCM 2#

Blow Description IF-Weak surface blow
ISI-No blow
FF-No blow
FSI-No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15'</u>	<u>M</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 15' BHT 108° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1968</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>0650</u>
(B) First Initial Flow <u>20</u>	<input type="checkbox"/> Jars _____	T-Started <u>0728</u>
(C) First Final Flow <u>22</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1115</u>
(D) Initial Shut-In <u>68</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1315</u>
(E) Second Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Hourly Standby _____	T-Out <u>1601</u>
(F) Second Final Flow <u>25</u>	<input checked="" type="checkbox"/> Mileage <u>182 RT</u> 182	Comments _____
(G) Final Shut-In <u>50</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1833</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>80</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1307</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1307</u>	

Approved By _____ Our Representative Braman Lonsdale



COBALT ENERGY, LLC
GEOLOGIST'S REPORT
DRILL TIME & SAMPLE LOG

COMPANY	COBALT ENERGY, LLC	ELEVATIONS	KB 2620'
LEASE	Bonita Unit 'A' #1-30	DF	
FIELD	Wildcat	GL	2615'
LOCATION	399' FNL & 2394' FEL	Measurements Are All From	KB
SEC	30 TWP 6S RGE 25W	CASING	Conductor NA Surface 8 5/8" @ 389' Production NA
COUNTY	Graham STATE KS	DRILLING TIME KEPT FROM	3400' TO RTD
CONTRACTOR	Murfin Drilling Co., Rig #24	SAMPLES EXAMINED FROM	3400' TO RTD
SPUD	08/13/18 COMP 08/24/18	GEOLOGICAL SUPERVISION FROM	3602' TO RTD
RTD	9339' LTD 3938'	GEOLOGIST ON WELL	Corey N. Baker
MUD UP	3100' TYPE MUD Chemical	FORMATION TOPS	
SAMPLES SAVED FROM	3400' TO RTD	Electric Log	
DRILLING TIME KEPT FROM	3400' TO RTD	Sample	
SAMPLES EXAMINED FROM	3400' TO RTD	Section	
GEOLOGICAL SUPERVISION FROM	3602' TO RTD		
GEOLOGIST ON WELL	Corey N. Baker		

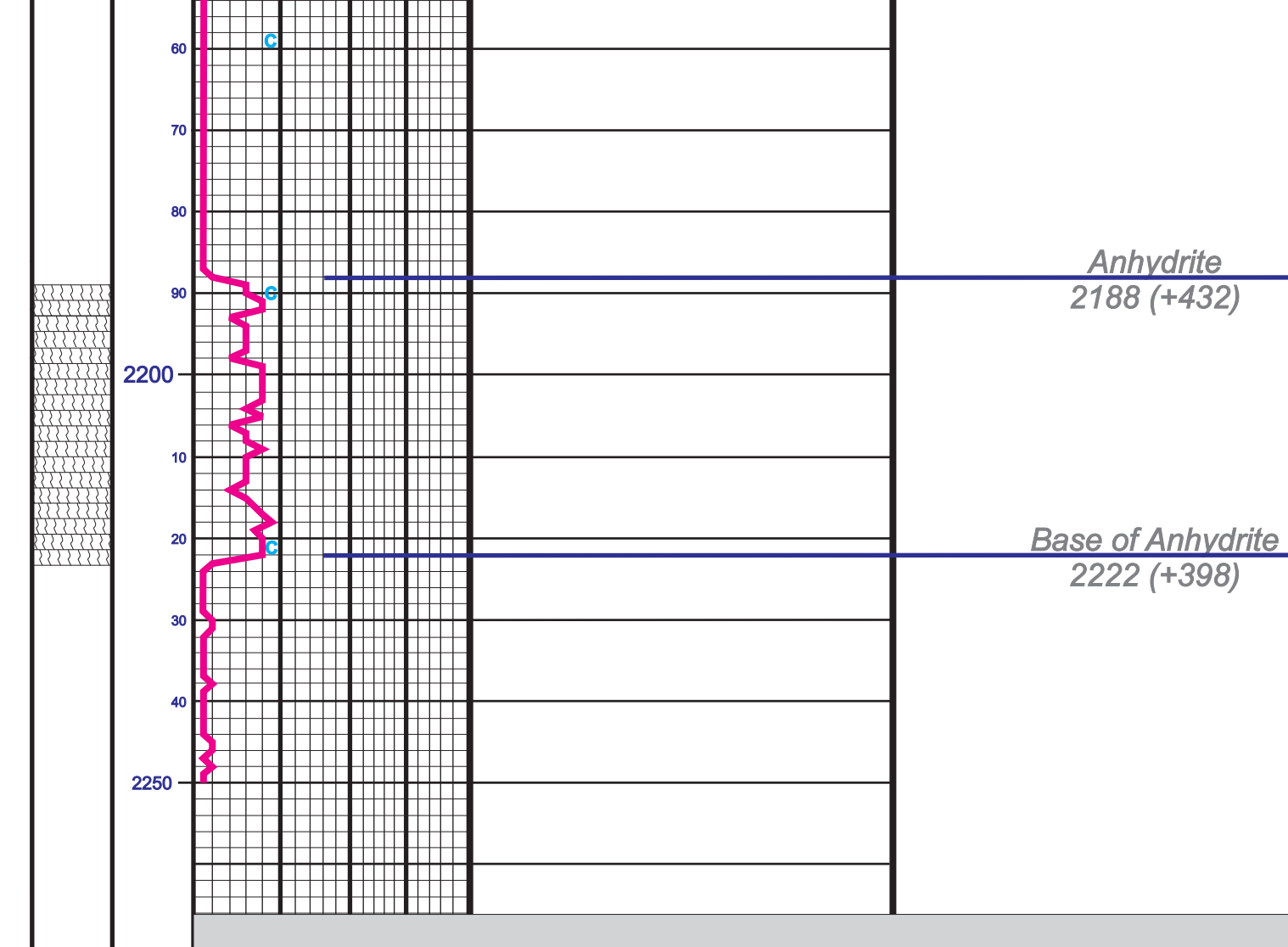
REMARKS The Bonita Unit 'A' #1-30 had several shows throughout the Lansing/KC but DST's were negative for commercial production. The well will be converted to a SWDW in the Cedar Hills.

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

API #15-065-24152-00-00

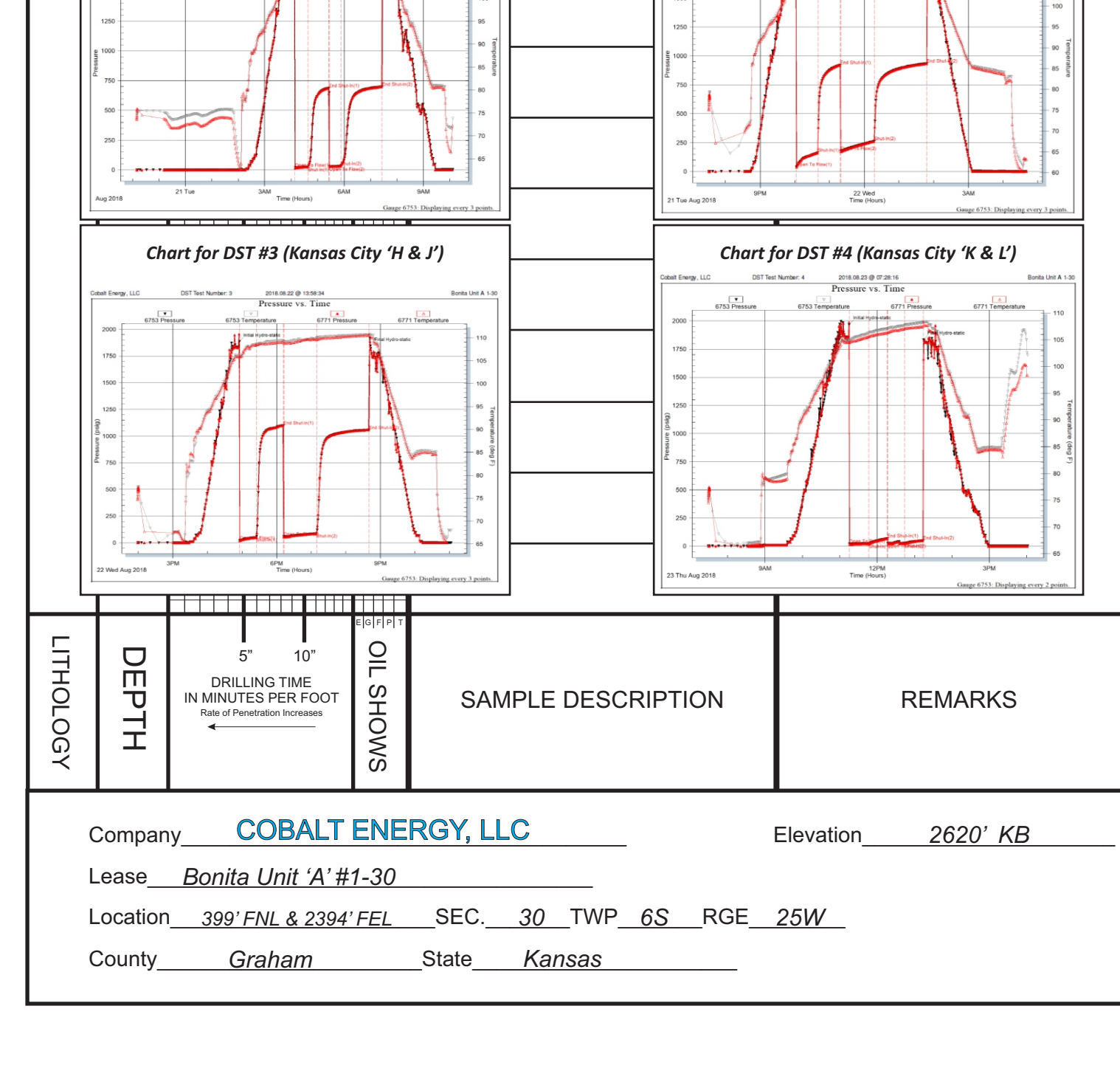
LEGEND

Anhydrite	Sandstone	Limestone	Shale	Carb Sh	Cherty LS	Chert	Dolomite
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Skip drilling time from 2250-3400', start sample descriptions @ 3500'

DEPTH	LITHOLOGY	OIL SHOWS	SAMPLE DESCRIPTION	REMARKS
2188 (+432)	Anhydrite			Anhydrite 2188 (+432)
2222 (+398)	Base of Anhydrite			Base of Anhydrite 2222 (+398)
3400				Pipe Strap String: 3221.54' Board: 3221.72' Short 0.18'
3500 (-880)	Topeka		LS: wht-frm, f-md xtn, foss ool, well cem, re-crystallized, dense cherty, some w/grnstrn, mealy, tr foss ool pp por, no show LS: crm, f xtn, foss, ool in prt, mealy, chiky, some loose chalk, pr pp & scatt vug por, no show LS: crm, vf-f xtn, chrt, dense, some foss ool chiky in prt grnstrn tr-pr pp por, mostly re-crystallized, dense LS: crm-gry, mealy, f-md xtn, chrt, biky, scatt foss, mostly dense LS: crm-gry, mealy, f-md xtn, chrt, dense SH: black, carb Siltstone: crm-lt gry, sndy, w/vari-color, gummy SH. Siltstone: AA LS: AA, LS: crm-gry, vf xtn, chrt, dense, SH: vari-color, arg LS: crm-gry, f-md xtn, foss ool, crin grnstrn, chiky in prt, mostly dense, tr pp por in small %, no show LS: crm-gry, vf-f xtn, foss in prt, mostly dense, biky, no show SH: gry-blk, arg LS: AA LS: crm-gry, vf xtn, chrt, biky, dense, some chiky, foss in prt, no show LS: AA, abndt cuttings w/foss ool grnstrn, well cem, dense, no show LS: crm-lt gry, f-md xtn, mealy grnstrn, foss, ool, tr-pr pp por, abndt loose chalk, no show LS: wht-lt gry, vf xtn, chrt, biky, dense, loose chlk, no show	Mud-Co check Vis: 50 Weight: 8.9 LCM: 2#
3650				DST #1 (3706'-3732') Lansing 'C' Open 30" Shut-in 45" Open 60" Shut-in 90" 1st Open: Fair blow, built to B.O.B in 11" ISI: No return blow 2nd Open: Weak blow, built to 1/4". FSI: No return blow Rec: 30' Oil Cut Mud (10% oil, 90% mud) IFP: 18-25# FFP: 28-32# SIP: 688-698#
3657 (-1037)	Heebner		SH: Black, carb LS: lt gry-gr, f xtn, matt, foss in prt, chiky in prt, no vis por, no show SH: vari-color, arg LS: crm-gry, f xtn, foss in prt, chrt, mealy, mostly dense SH: vari-color, arg	Mud-Co check Vis: 60 Weight: 9.0 LCM: 2#
3700	Lansing		LS: wht-lt gry, vf xtn, foss in prt, mostly dense, chrt, biky, no vis por, no show LS: AA, w/loose chik SH: vari-color, arg LS: wht-lt gry, f-scatt md xtn, few cuttings foss ool grnstrn, well cem, sfo on brk, pr cut, occ gb, lt-med brn ptchy stn, gd odor SH: vari-color, arg LS: wht-lt gry, crypto-xtn, chrt, biky, mostly dense, <5% chrt, biky, dense, ptchy pr pp & vug por, pr show of blk oil on brk, vry slow pr cut in dish, drk brn/blk sply to ptchy stn, fnt odor SH: vari-color, arg LS: wht-lt gry, vf xtn, chrt, biky, dense, no show LS: wht-lt gry, f-md xtn, several cuttings mealy fossiliferous & oolitic grnstrn, chrt & chiky in prt, pr-fr intrxtn, pp & scatt vug por, pr-fr sfo on brk, fr cut in dish, pale grn oil fluor in dish, lt-drk brn pp/ptchy stn, fr odor LS: wht-lt gry, f-md xtn, mealy, sil foss, chiky in prt, pr intrxtn, pp & scatt vug por, tr-pr sfo on brk, pr cut in dish, lt-drk brn pp stn, pr odor, several cuttings bioclastic grnstrn, well cem, fr sfo on brk, fr odor LS: wht-lt gry, cryptoxtn, chrt, biky, dense, no vis por, no show LS: lt-drk gry, f xtn, chrt, biky, dense, no vis por, no show SH: vari-color, arg LS: wht-crm-lt gry, vf xtn, chrt, biky, mostly dense, several cuttings weathered chrt, w/occ foss ool, pr pp & vug por, pr sfo on brk, also f xtn grnstrn, well cem, tr-pr pp por, pr pp sfo on brk, no cut, lt-med brn pp/ptchy to sat stn, pr-fr odor LS: wht-lt gry, f xtn, chrt, biky, dense, no vis por, no show LS: lt-drk gry, matt, f-md xtn, chrt, foss ool, biky, dense, no vis por, no show SH: vari-color, arg LS: crm-lt gry, f-md xtn, foss hash (ool, crin, fusill), ar-fr pp vug & foss cast por, pr pp sfo on brk, pr-fr cut, ptchy to sub sat stn, cons blk dd oil res, pp blk stn, pr odor LS: wht-lt gry, vf-f xtn, chrt, biky, chiky in prt, no vis por, ns SH: vari-color, arg	DST #2 (3730'-90') Lansing 'D-G' Open 30" Shut-in 45" Open 60" Shut-in 90" 1st Open: Fair blow, built to B.O.B in 11" ISI: No return blow 2nd Open: Fair blow, built to B.O.B. in 21" FSI: No return blow Rec: 15' Clean Oil 521' Muddy Water (35% mud, 65% water) 536' Total Recovery IFP: 39-163# FFP: 176-263# SIP: 922-935#
3848 (-1228)	Stark		SH: red-gr, arg LS: wht-lt gry, vf-f xtn, chrt, biky, foss ool, well cem, mostly dense, 2-3 cuttings wht-lt gry, f-scatt md xtn, chrt & chiky in prt, foss ool, pr intrxtn, pp & scatt vug por, tr-pr pp sfo on brk, lt brn pp to ptchy stn, fnt odor SH: vari-color, arg LS: crm-lt gry, vf-f xtn, chrt, biky, dense, few cuttings f xtn, chrt, scatt foss ool, tr pp sfo on brk, tr-pr pp edge por, no odor LS: wht-lt gry, vf xtn, chrt, biky, chiky in prt, biky, dense SH: vari-color, arg, some silty, soft	Mud-Co check Vis: 61 Weight: 9.3 LCM: 2#
3843 (-1223)	BKC		SH: AA LS: AA	Mud-Co check Vis: 25-25# Weight: 25-25# LCM: 68-50#
3939 (-1319)	RTD			
3938 (-1318)	LTD			



Company	COBALT ENERGY, LLC	Elevation	2620' KB
Lease	Bonita Unit 'A' #1-30		
Location	399' FNL & 2394' FEL	SEC. 30 TWP 6S RGE 25W	
County	Graham	State	Kansas



Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Phone: 316-337-6200
Fax: 346-337-6211
<http://kcc.ks.gov/>

Dwight D. Keen, Chair
Shari Feist Albrecht, Commissioner
Jay Scott Emler, Commissioner

Laura Kelly, Governor

January 22, 2019

NICHOLAS HESS
Cobalt Energy LLC
115 S. BELMONT #12
PO BOX 8037
WICHITA, KS 67208-0037

Re: ACO-1
API 15-065-24152-00-00
BONITA UNIT "A" 1-30
NE/4 Sec.30-06S-25W
Graham County, Kansas

Dear NICHOLAS HESS:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 08/17/2018 and the ACO-1 was received on January 19, 2019 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

TMK-53

FIELD SERVICE TICKET
0041129482
1718 17130 A

DATE _____ TICKET NO. _____

DATE OF JOB <i>8-24-16</i> DISTRICT <i>Pratt Kansas</i>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER <i>Colbath Energy LLC</i>		LEASE <i>Bonita Unit</i> WELL NO. <i>2-130</i>						
ADDRESS		COUNTY <i>Graham</i> STATE <i>Kansas</i>						
CITY STATE		SERVICE CREW <i>Fenns, EDDY, SOSE</i>						
AUTHORIZED BY		JOB TYPE: <i>5 1/2 production casing 2-42</i>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	TIME
<i>20920</i>	<i>5.5</i>						<i>8-24-16</i>	<i>0600</i>
<i>19460</i>	<i>5.5</i>					ARRIVED AT JOB		<i>1330</i>
						START OPERATION		<i>1420</i>
						FINISH OPERATION		<i>1645</i>
						RELEASED		<i>1900</i>
						MILES FROM STATION TO WELL		<i>1.00</i>

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *Ruby Papp*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

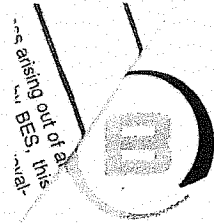
ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP01	A-con Blend Common	SC	150		2700.00
CP105	AA2 cement	SK	150		2550.00
CP107	A-con Blend Common	SK	300		900.00
CC102	CelloFlake	lb	75		272.60
CC105	C-41P	lb	71		284.00
CC111	Salt	lb	815		407.50
CC113	Gypsum	lb	705		528.75
CC148	C-17	lb	71		1420.00
CC201	Gilsonite	lb	849		602.33
CC109	Calcium chloride	lb	423		444.15
CC130	C-51	lb	15		375.00
CF1101	Cementing shoe basket type 5 1/2 (blue)	EA	1		1700.00
CF607	Latex powder Plug & Baffle 5 1/2 (blue)	EA	1		400.00
CF1901	5 1/2" Basket (blue)	EA	4		1160.00
CF1651	Turbolizer 5 1/2 (blue)	EA	8		680.00
CC151	mud flush	load	500		750.00
E100	Pickup mileage	mi	100		450.00
E101	Heavy equipment mileage	mi	200		1500.00
E113	Bulk Delivery Charge	TN/m	1620		41050.00
SUB TOTAL					71054.75

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
<i>Discount</i>		TOTAL 71054.75

SERVICE REPRESENTATIVE: *[Signature]* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Ruby Papp*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 ~~17131~~ A
17130 continued

DATE _____ TICKET NO. _____

DATE OF JOB 8-24-18		DISTRICT Pratt Kansas		NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER Cobalt Energy LLC		ADDRESS:		LEASE Bonita Unit				WELL NO 4-13	
CITY:		STATE:		COUNTY Graham			STATE Kansas		
AUTHORIZED BY:		SERVICE CREW Furness ADDY, BOSE		JOB TYPE: 5 1/2 production casing 2-47					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
						ARRIVED AT JOB		AM PM	
						START OPERATION		AM PM	
						FINISH OPERATION		AM PM	
						RELEASED		AM PM	
						MILES FROM STATION TO WELL			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of, and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: A. Kelly Papp
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CE 203	Depth charge 200' - 300'	HR	1	0	1400 00
DC 240	Blend mix mixing charge	SK	350	0	490 00
CE 504	Plug container / Fracturation charge	Job	1	0	250 00
S 003	Service supervisor first 8 hrs on location	TA	1	0	175 00

SUB TOTAL **24,094 23**

SERVICE & EQUIPMENT %TAX ON \$
MATERIALS %TAX ON \$
Dickens TOTAL (Sub) 14697 46

CHEMICAL / ACID DATA:			

SERVICE REPRESENTATIVE A. Kelly Papp THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: A. Kelly Papp
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer Cobalt Energy LLC Lease No. _____ Date 8-24-18
 Lease Bonita unit Well # A-130
 Field Order # 17130 Station Pratt, Kansas Casing 5 1/2 Depth 2222.32 County Graham State KS
 Type Job 5 1/2 Production casing 2-47 Formation _____ Legal Description 30-6-25W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<u>5 1/2</u>				Pre Pad	Max		5 Min.	
Depth <u>2222.32</u>	Depth	From	To	Pad	Min		10 Min.	
Volume <u>52.89</u>	Volume	From	To	Frac	Avg		15 Min.	
Max Press <u>2000psi</u>	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection <u>8cd</u>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth	Packer Depth	From	To					

Customer Representative _____ Station Manager _____ Treater _____
 Service Units 78866 84960 20920 19869 79800
 Driver Names Ferris EDDY EDDY Basc Jose

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1330					Arrived on location / safety meeting
1345					Rig up equipment
1420					Install Turbines - 375 - 1, 7, 9, 10, 16, 23, 30
					Install cement basket 375 - 7, 16, 23, 30
1630					Drop ball
1643	400		0.5	1	Set Basket shoe
1644	100		12	5	Pump mud flush
1647					Pump H2O spacer / Plug RH/MH 30% / 20% x
1714	100			4.5	Start lead cement @ 11.3 pph
1723	50		40.7	4	7.5 ^{sd} lead away @ 11.3 pph
1733	50		81.5	4	End lead start tail cement @ 14.8 pph
1738 1738	100		20.5	4	7.5 ^{sd} tail away @ 14.8 pph
1746	100		41	4	End Tail
1755	100			4.5	Wash pumps + drop plug start displacement
1805	450		42	3	Slow to land plug
1807	1600		51	3	Land Plug, Pressure to 1500psi
1808	0				Release Pressure, Shut Head: T.N. 25 ^{sd} 3000
1845	0				Open Head Cement Hold
1930					Rig down, Leave Location
Thank You!! Ferris & Eddy					Hot - 1294.49' TOT - 927.83' 140L - 927.83' TOT - SURFACE Saw cement @ surface @ 350psi displacement @ way = 30% TO PT