

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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QUALITY WELL SERVICE, INC.

798

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

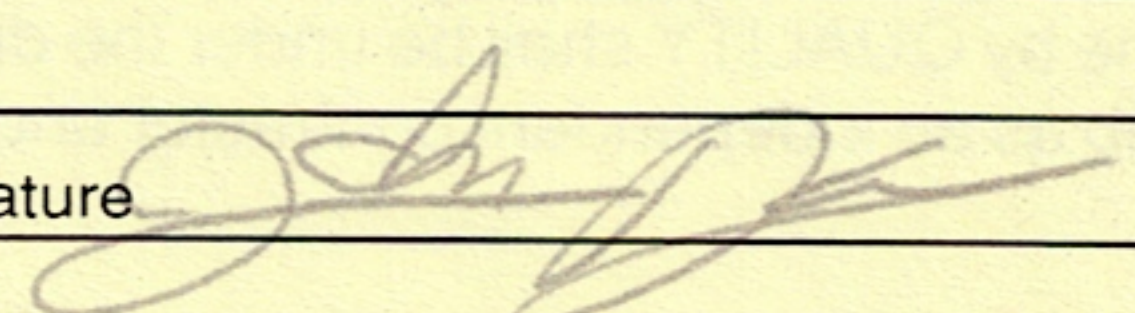
Mailing Address P.O. Box 468

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-13-22	30	25S	20W	EDWARDS	KJ		
Lease		Well No.		Location OFFERLE, KJ 1/2 W to 10" N 2 1/2 S E into			
Contractor Fossil Drill Rig *				Owner			
Type Job SURFACE				To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size 12 1/4		T.D. 352'		Charge To BLUE GOOSE DRILLING CO. INC.			
Csg. 3 5/8		Depth 350'		Street			
Tbg. Size		Depth		City			
Tool		Depth		State			
Cement Left in Csg.		Shoe Joint 25'		The above was done to satisfaction and supervision of owner agent or contractor			
Meas Line		Displace 20.8 bbl		Cement Amount Ordered 225 & Common			
EQUIPMENT				2 1/2 GEL 3 1/2 CC 1/2" PS			
Pumptrk 9 No.				Common 225'			
Bulktrk 10 No.				Poz. Mix			
Bulktrk No.				Gel. 423#			
Pickup No.				Calcium 635#			
JOB SERVICES & REMARKS				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal 113#			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
Ran 3 H's 3 5/8 23" CSG SET @ 350'				Sand			
START CSG CSG on Bottom				Handling 245			
Hook up to CSG & BREAK circ w/ rig				Mileage 55 / 10,000			
Pump H2O				FLOAT EQUIPMENT			
M/G: Pump 225 & Common				Guide Shoe			
2 1/2 GEL 3 1/2 CC 1/2" PS @ 14.8#/CAL				Centralizer			
START DISC				Baskets			
Plug DOWN 20.8 bbl				AFU Inserts			
Close VALVE on CSG 150"				Float Shoe			
Good circ thro JOB				Latch Down			
Circ CMT TO HIT				SERVICE Spv 1EA			
				LMV 55			
THANK YOU				Pumptrk Charge SURFACE			
PLEASE CALL AGAIN				Mileage 110			
DAD MILE 52.4W							
X Signature 				Tax			
				Discount			
				Total Charge			

QUALITY WELL SERVICE, INC.

7991

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-23-22	30	25S	20W	EDWARDS	Ks		
Lease HERMANN	Well No. B-2		Location OFFERLE KJ 1 W 3 S E-710				
Contractor FOSSIL DRILL RIG # 5				Owner			
Type Job PTA				To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size 7 7/8	T.D. 4830'		Charge To BLUE GOOSE DRILL CO. INC				
Csg.	Depth 1340'		Street				
Tbg. Size 4 1/2 DP	Depth		City State				
Tool	Depth		City State				
Cement Left in Csg.	Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor				
Meas Line	Displace		Cement Amount Ordered 170 sk 60/40 4' GEL				
EQUIPMENT				1/4" PS			
Pumptrk 3 No.			Common 107 sk				
Bulktrk 10 No.			Poz. Mix 63 sk				
Bulktrk No.			Gel. 535 #				
Pickup No.			Calcium				
JOB SERVICES & REMARKS				Hulls			
Rat Hole 30 sk 60/40 4' GEL 1/4" PS			Salt				
Mouse Hole 20 sk 60/40 4' GEL 1/4" PS			Flowseal 43				
Centralizers			Kol-Seal				
Baskets			Mud CLR 48				
D/V or Port Collar			CFL-117 or CD110 CAF 38				
1st Plug 1340'			Sand				
Pump H2O			Handling 177				
Mix Pump 50 sk 60/40 4' GEL 1/4" PS			Mileage 55/9735				
Disc H2O			FLOAT EQUIPMENT				
2nd Plug 390'			Guide Shoe				
Pump H2O			Centralizer				
Mix Pump 50 sk 60/40 4' GEL 1/4" PS			Baskets				
Disc H2O			AFU Inserts				
3rd Plug 62'			Float Shoe				
Mix Pump 20 sk 60/40 4' GEL 1/4" PS			Latch Down				
			SERVICE SUPPLY 1 EA				
			LMV 55				
			Pumptrk Charge PTA				
			Mileage 110				
THANK YOU PLEASE CALL AGAIN TODD MIKE RICHARD				Tax			
X Signature				Discount			
				Total Charge			



DRILL STEM TEST REPORT

Prepared For: **Blue Goose Drilling Company Inc**

PO BOX 1413
Great Bend KS 67530+1413

ATTN: Ken Wallace

Herrmann B #2

30-25s-20w Edwards,KS

Start Date: 2022.06.19 @ 00:30:00

End Date: 2022.06.19 @ 08:31:02

Job Ticket #: 69053 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.06.23 @ 16:16:14



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO BOX 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69053

DST#: 1

ATTN: Ken Wallace

Test Start: 2022.06.19 @ 00:30:00

GENERAL INFORMATION:

Formation: **Mississippi Warsaw**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:33:02

Time Test Ended: 08:31:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: **4713.00 ft (KB) To 4741.00 ft (KB) (TVD)**

Reference Elevations: 2276.00 ft (KB)

Total Depth: 4741.00 ft (KB) (TVD)

2268.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875

Outside

Press@RunDepth: 23.93 psig @ 4714.00 ft (KB)

Capacity: psig

Start Date: 2022.06.19

End Date:

2022.06.19

Last Calib.:

2022.06.19

Start Time: 00:30:01

End Time:

08:31:02

Time On Btm:

2022.06.19 @ 03:32:57

Time Off Btm:

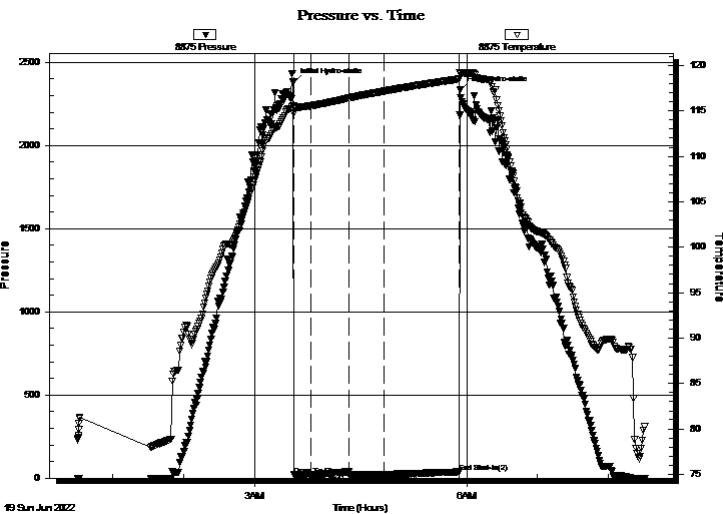
2022.06.19 @ 05:54:12

TEST COMMENT: 15-IF-Surface Died @ 8 mins

30-ISI-No Return

30-FF-No Blow

60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2379.77	115.59	Initial Hydro-static
1	19.89	114.67	Open To Flow (1)
16	22.88	115.56	Shut-In(1)
48	38.50	116.41	End Shut-In(1)
48	22.67	116.41	Open To Flow (2)
78	23.93	117.18	Shut-In(2)
141	37.51	118.53	End Shut-In(2)
142	2331.65	119.24	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO BOX 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69053

DST#: 1

ATTN: Ken Wallace

Test Start: 2022.06.19 @ 00:30:00

Tool Information

Drill Pipe:	Length: 4577.00 ft	Diameter: 3.82 inches	Volume: 64.88 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	92000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
				String Weight: Initial	74000.00 daN
Drill Pipe Above KB:	18.00 ft			Final	74000.00 daN
Depth to Top Packer:	4713.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	60.00 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			4682.00	
Shut In Tool	5.00			4687.00	
Hydraulic tool	5.00			4692.00	
Jars	5.00			4697.00	
Gap Sub	4.00			4701.00	
Safety Joint	3.00			4704.00	
Packer	5.00			4709.00	32.00 Bottom Of Top Packer
Packer	4.00			4713.00	
Stubb	1.00			4714.00	
Recorder	0.00	6838	Inside	4714.00	
Recorder	0.00	8875	Outside	4714.00	
Perforations	23.00			4737.00	
Bullnose	4.00			4741.00	28.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO BOX 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69053

DST#: 1

ATTN: Ken Wallace

Test Start: 2022.06.19 @ 00:30:00

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud 100%M	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

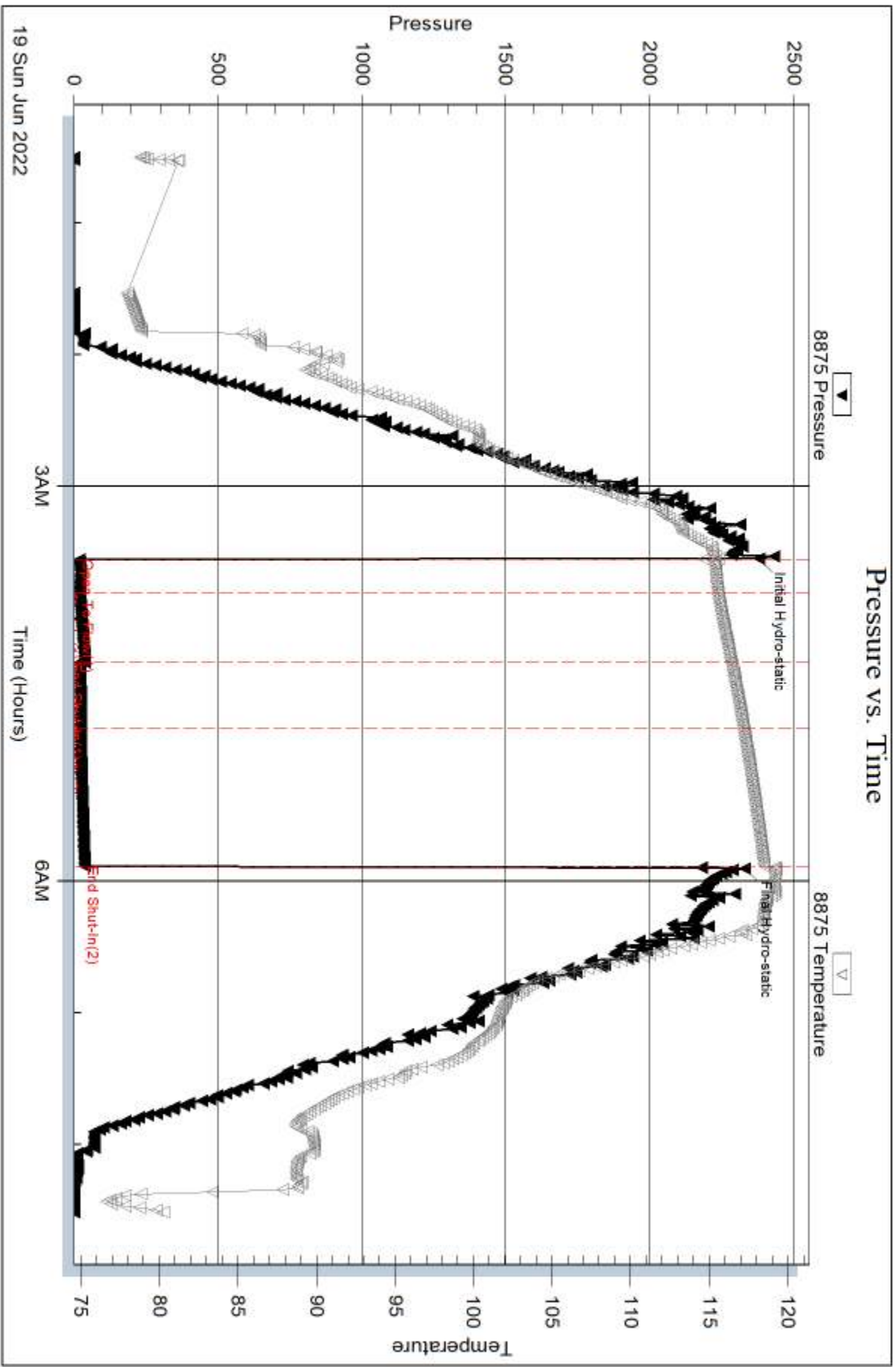
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM



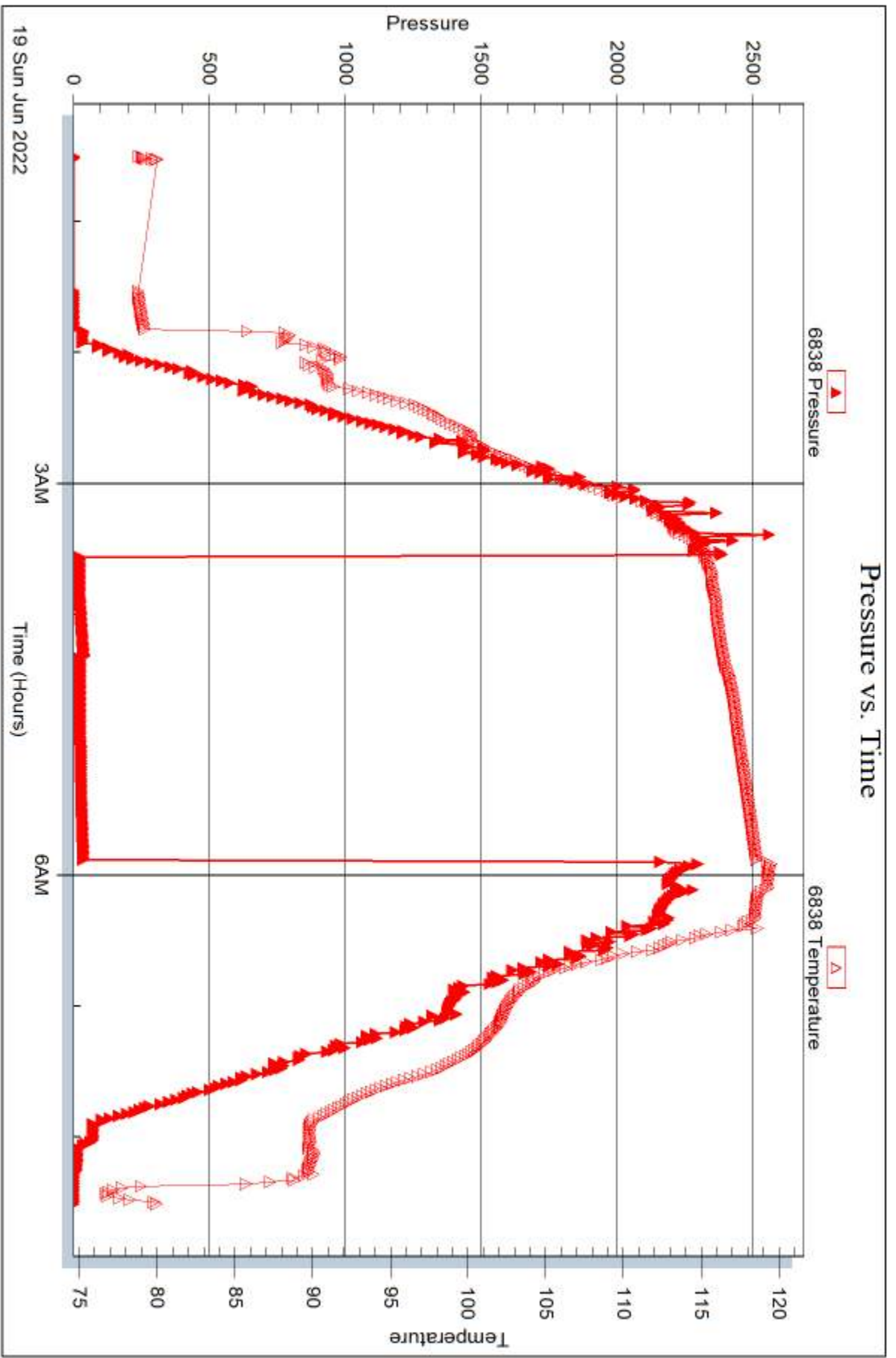
Serial #: 6838

Inside

Blue Goose Drilling Company Inc

Herrmann B #2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Blue Goose Drilling Company Inc**

PO BOX 1413
Great Bend KS 67530+1413

ATTN: Ken Wallace

Herrmann B #2

30-25s-20w Edwards,KS

Start Date: 2022.06.19 @ 18:10:00

End Date: 2022.06.20 @ 00:20:32

Job Ticket #: 69054 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.06.23 @ 16:15:43



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO BOX 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69054

DST#: 2

ATTN: Ken Wallace

Test Start: 2022.06.19 @ 18:10:00

GENERAL INFORMATION:

Formation: **Mississippi Warsaw**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:35:52

Time Test Ended: 00:20:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4713.00 ft (KB) To 4745.00 ft (KB) (TVD)

Reference Elevations: 2276.00 ft (KB)

Total Depth: 4745.00 ft (KB) (TVD)

2268.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 56.76 psig @ 4714.00 ft (KB)

Capacity: psig

Start Date: 2022.06.19

End Date:

2022.06.20

Last Calib.:

2022.06.20

Start Time: 18:10:01

End Time:

00:20:32

Time On Btm:

2022.06.19 @ 20:35:37

Time Off Btm:

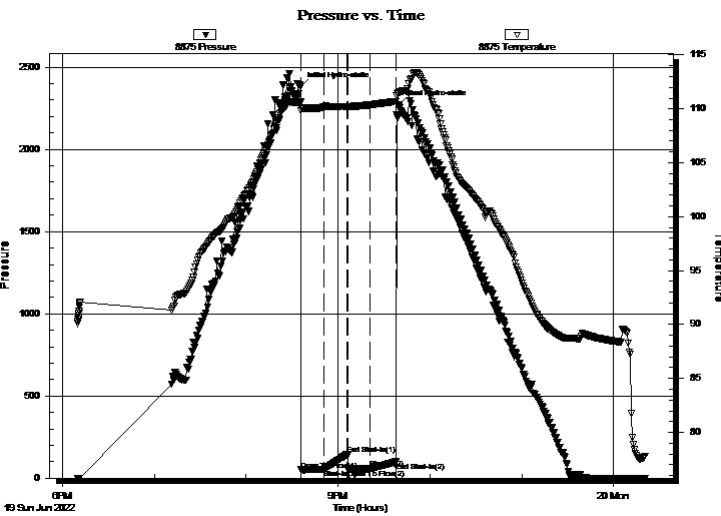
2022.06.19 @ 21:39:37

TEST COMMENT: 15-IF-Surface Died @ 5 mins

15-ISI-No Return

15-FF-No Blow

15-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2380.43	110.61	Initial Hydro-static
1	49.97	109.81	Open To Flow (1)
15	52.45	110.19	Shut-In(1)
31	145.59	110.23	End Shut-In(1)
31	52.26	110.22	Open To Flow (2)
46	56.76	110.37	Shut-In(2)
63	99.39	110.71	End Shut-In(2)
64	2269.94	111.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSM 100%M	0.30

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO BOX 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69054

DST#: 2

ATTN: Ken Wallace

Test Start: 2022.06.19 @ 18:10:00

Tool Information

Drill Pipe:	Length: 4577.00 ft	Diameter: 3.82 inches	Volume: 64.88 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	100000.0 daN
			<u>Total Volume:</u>	Tool Chased	ft
				String Weight: Initial	74000.00 daN
Drill Pipe Above KB:	18.00 ft			Final	74000.00 daN
Depth to Top Packer:	4713.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	64.00 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			4682.00	
Shut In Tool	5.00			4687.00	
Hydraulic tool	5.00			4692.00	
Jars	5.00			4697.00	
Gap Sub	4.00			4701.00	
Safety Joint	3.00			4704.00	
Packer	5.00			4709.00	32.00 Bottom Of Top Packer
Packer	4.00			4713.00	
Stubb	1.00			4714.00	
Recorder	0.00	6838	Inside	4714.00	
Recorder	0.00	8875	Outside	4714.00	
Perforations	27.00			4741.00	
Bullnose	4.00			4745.00	32.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO BOX 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69054

DST#: 2

ATTN: Ken Wallace

Test Start: 2022.06.19 @ 18:10:00

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSM 100%M	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

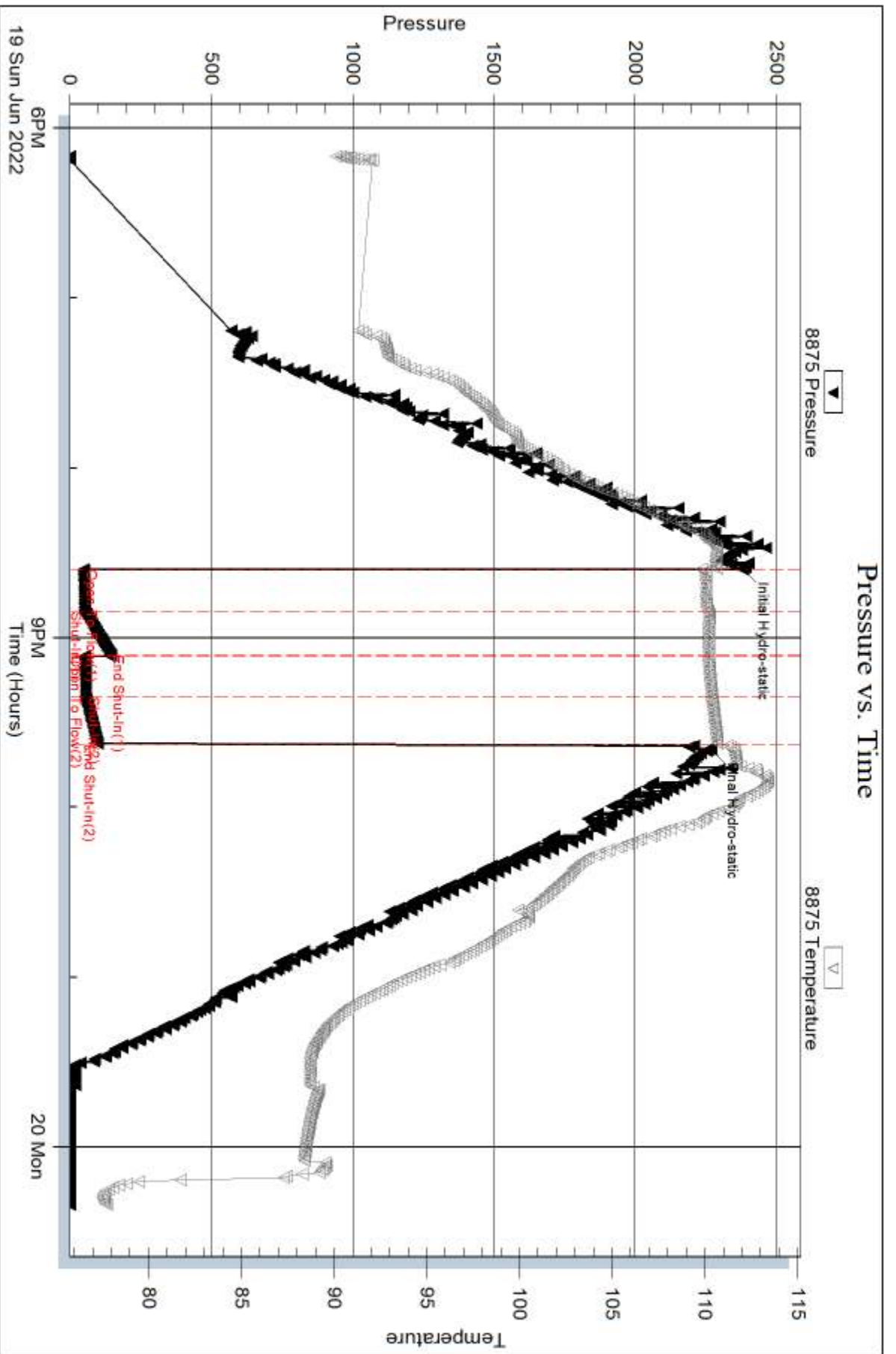
Recovery Comments: 2#LCM

Serial #: 8875

Outside Blue Goose Drilling Company Inc

Herrmann B #2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 69054

Printed: 2022.06.23 @ 16:15:45

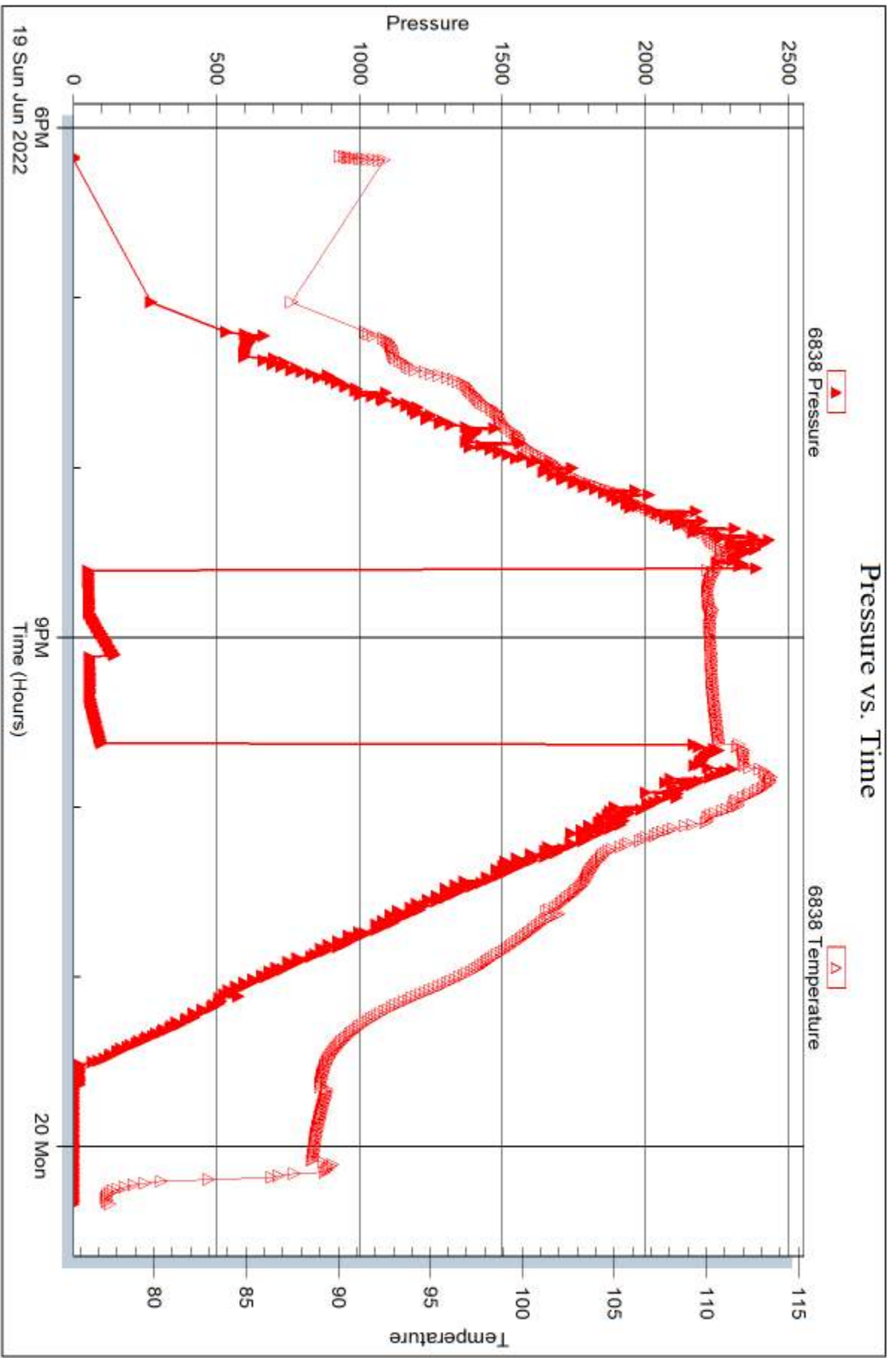
Serial #: 6838

Inside

Blue Goose Drilling Company Inc

Herrmann B #2

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 69054

Printed: 2022.06.23 @ 16:15:45



DRILL STEM TEST REPORT

Prepared For: **Blue Goose Drilling Company Inc**

PO BOX 1413
Great Bend KS 67530+1413

ATTN: Ken Wallace

Herrmann B #2

30-25s-20w Edwards,KS

Start Date: 2022.06.20 @ 08:45:00

End Date: 2022.06.20 @ 15:16:12

Job Ticket #: 69055 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.06.23 @ 16:15:07



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO BOX 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69055

DST#: 3

ATTN: Ken Wallace

Test Start: 2022.06.20 @ 08:45:00

GENERAL INFORMATION:

Formation: **Mississippi Osage**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:53:37

Time Test Ended: 15:16:12

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4713.00 ft (KB) To 4749.00 ft (KB) (TVD)

Reference Elevations: 2276.00 ft (KB)

Total Depth: 4749.00 ft (KB) (TVD)

2268.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 38.17 psig @ 4714.00 ft (KB)

Capacity: psig

Start Date: 2022.06.20

End Date:

2022.06.20

Last Calib.:

2022.06.20

Start Time: 08:45:01

End Time:

15:16:11

Time On Btm:

2022.06.20 @ 10:53:22

Time Off Btm:

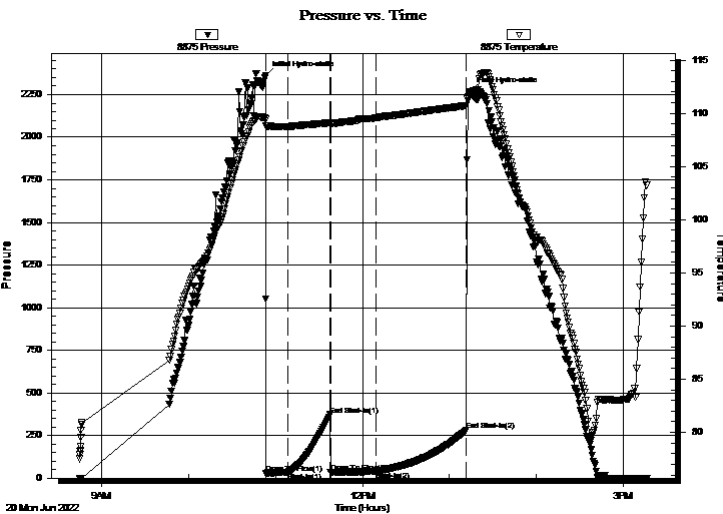
2022.06.20 @ 13:13:57

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

30-ISI-No Return

30-FF-No Blow

60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2360.39	109.44	Initial Hydro-static
1	27.67	108.86	Open To Flow (1)
16	32.71	108.72	Shut-In(1)
45	371.04	109.09	End Shut-In(1)
45	34.86	109.08	Open To Flow (2)
77	38.17	109.62	Shut-In(2)
138	279.21	110.75	End Shut-In(2)
141	2269.34	111.82	Final Hydro-static

Recovery

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

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO BOX 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69055

DST#: 3

ATTN: Ken Wallace

Test Start: 2022.06.20 @ 08:45:00

Tool Information

Drill Pipe:	Length: 4577.00 ft	Diameter: 3.82 inches	Volume: 64.88 bbl	Tool Weight: 2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 daN
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 110000.0 daN
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 74000.00 daN
Depth to Top Packer:	4713.00 ft			Final 74000.00 daN
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4682.00	
Shut In Tool	5.00			4687.00	
Hydraulic tool	5.00			4692.00	
Jars	5.00			4697.00	
Gap Sub	4.00			4701.00	
Safety Joint	3.00			4704.00	
Packer	5.00			4709.00	32.00 Bottom Of Top Packer
Packer	4.00			4713.00	
Stubb	1.00			4714.00	
Recorder	0.00	6838	Inside	4714.00	
Recorder	0.00	8875	Outside	4714.00	
Perforations	31.00			4745.00	
Bullnose	4.00			4749.00	36.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO BOX 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69055

DST#: 3

ATTN: Ken Wallace

Test Start: 2022.06.20 @ 08:45:00

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 100% M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

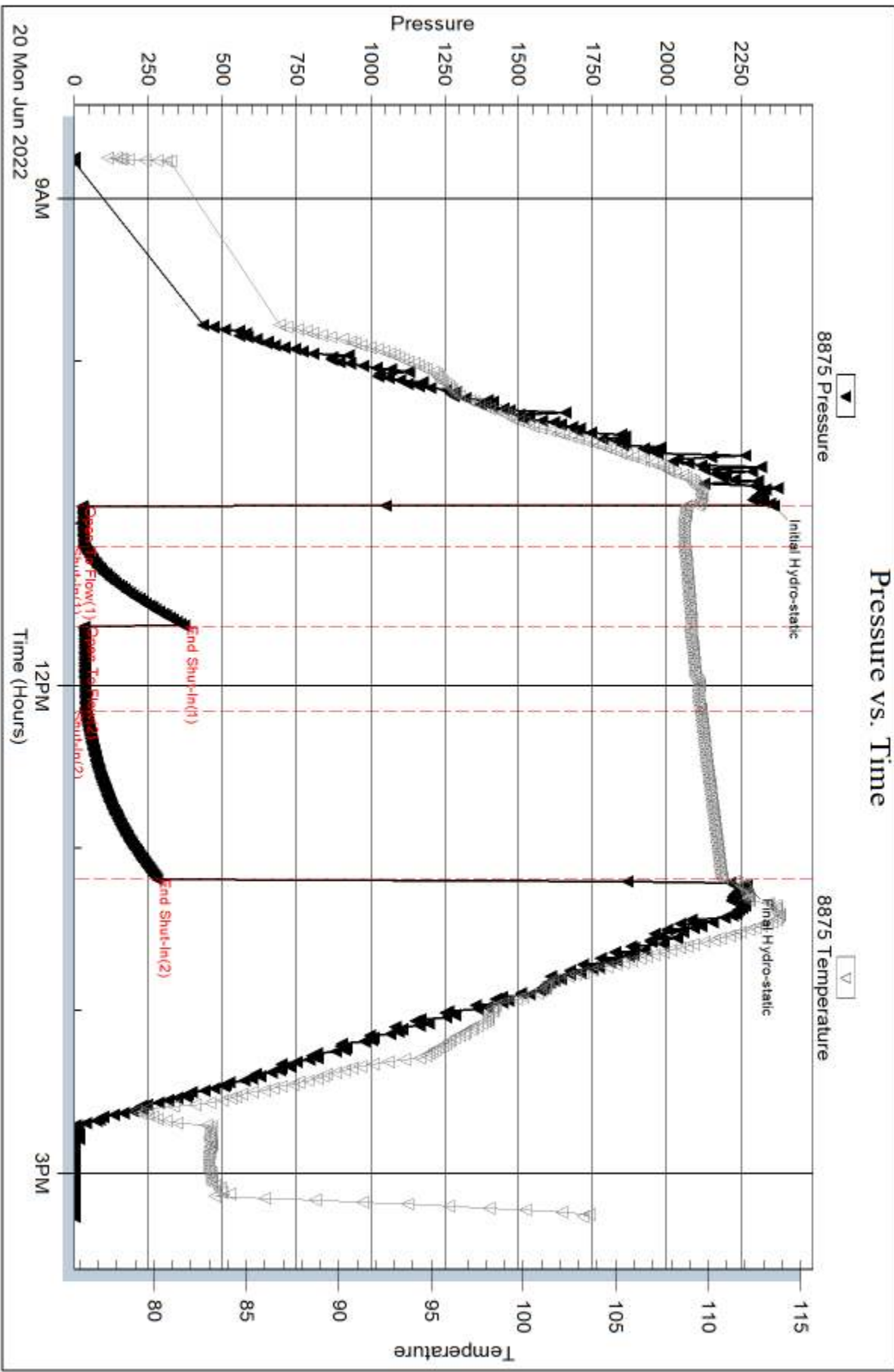
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM



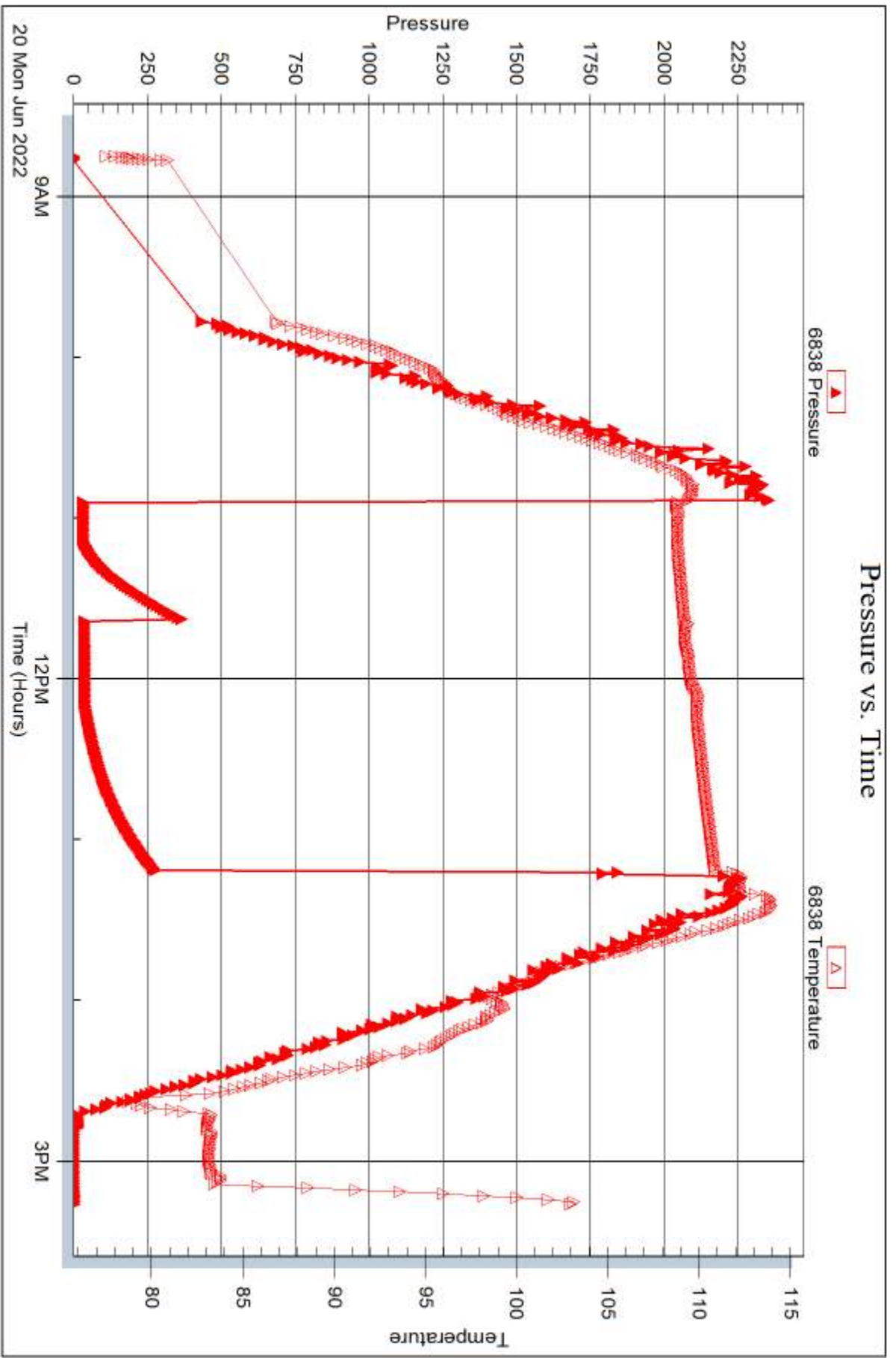
Serial #: 6838

Inside

Blue Goose Drilling Company Inc

Herrmann B #2

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 69055

Printed: 2022.06.23 @ 16:15:08



DRILL STEM TEST REPORT

Prepared For: **Blue Goose Drilling Company Inc**

PO BOX 1413
Great Bend KS 67530+1413

ATTN: Ken Wallace

Herrmann B #2

30-25s-20w Edwards,KS

Start Date: 2022.06.21 @ 01:06:00

End Date: 2022.06.21 @ 07:15:11

Job Ticket #: 69056 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.06.23 @ 16:14:08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO BOX 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69056

DST#: 4

ATTN: Ken Wallace

Test Start: 2022.06.21 @ 01:06:00

GENERAL INFORMATION:

Formation: **Mississippi Osage**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:58:02

Time Test Ended: 07:15:11

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4713.00 ft (KB) To 4757.00 ft (KB) (TVD)

Reference Elevations: 2276.00 ft (KB)

Total Depth: 4757.00 ft (KB) (TVD)

2268.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: psig @ 4718.00 ft (KB)

Capacity: psig

Start Date: 2022.06.21

End Date:

2022.06.21

Last Calib.:

2022.06.21

Start Time: 01:06:01

End Time:

07:15:11

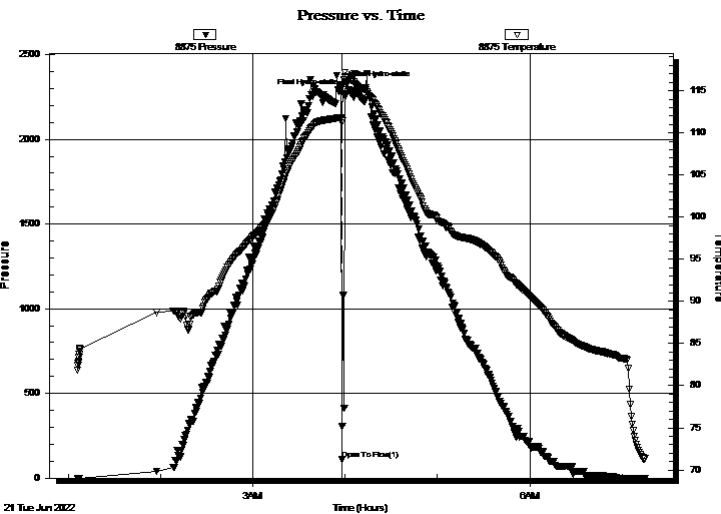
Time On Btm:

2022.06.21 @ 03:57:32

Time Off Btm:

2022.06.21 @ 03:59:42

TEST COMMENT: 25' Fill Slid through Packer Failure
Tried to Reset Unsuccessful



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2314.10	111.83	Initial Hydro-static
1	108.64	111.23	Open To Flow (1)
3	2267.59	117.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	Mud 100%M	2.41

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO BOX 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69056

DST#: 4

ATTN: Ken Wallace

Test Start: 2022.06.21 @ 01:06:00

Tool Information

Drill Pipe:	Length: 4577.00 ft	Diameter: 3.82 inches	Volume: 64.88 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	120000.0 daN
			<u>Total Volume:</u>	Tool Chased	25.00 ft
				String Weight: Initial	74000.00 daN
Drill Pipe Above KB:	18.00 ft			Final	77000.00 daN
Depth to Top Packer:	4713.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	44.00 ft				
Tool Length:	76.00 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			4682.00	
Shut In Tool	5.00			4687.00	
Hydraulic tool	5.00			4692.00	
Jars	5.00			4697.00	
Gap Sub	4.00			4701.00	
Safety Joint	3.00			4704.00	
Packer	5.00			4709.00	32.00 Bottom Of Top Packer
Packer	4.00			4713.00	
Stubb	1.00			4714.00	
Perforations	3.00			4717.00	
Change Over Sub	1.00			4718.00	
Recorder	0.00	6838	Inside	4718.00	
Recorder	0.00	8875	Inside	4718.00	
Drill Pipe	32.00			4750.00	
Change Over Sub	1.00			4751.00	
Perforations	2.00			4753.00	
Bullnose	4.00			4757.00	44.00 Bottom Packers & Anchor
Total Tool Length:	76.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO BOX 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69056

DST#: 4

ATTN: Ken Wallace

Test Start: 2022.06.21 @ 01:06:00

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	Mud 100%M	2.414

Total Length: 250.00 ft Total Volume: 2.414 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

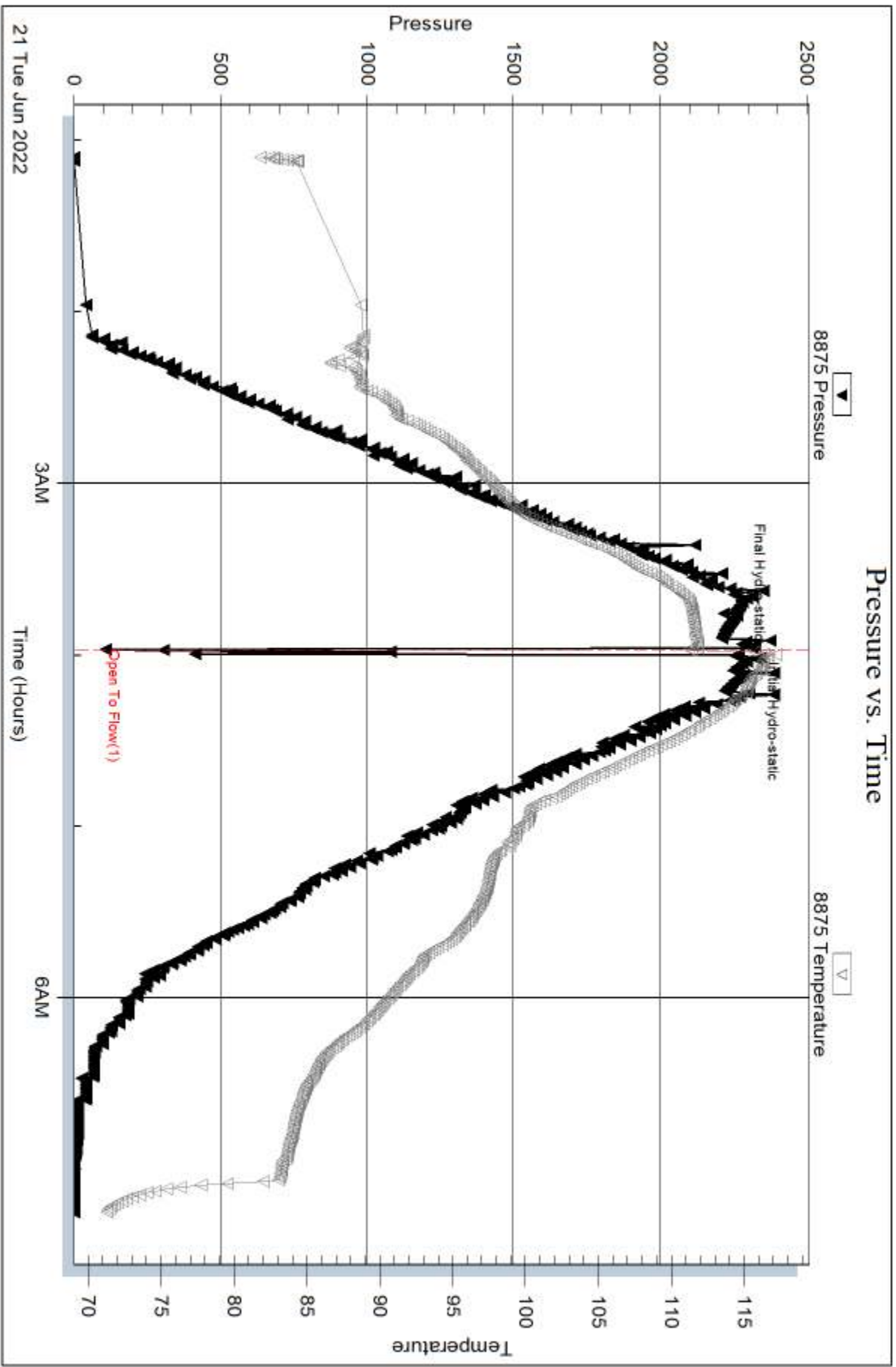
Serial #: 8875

Inside

Blue Goose Drilling Company Inc

Herrmann B #2

DST Test Number: 4



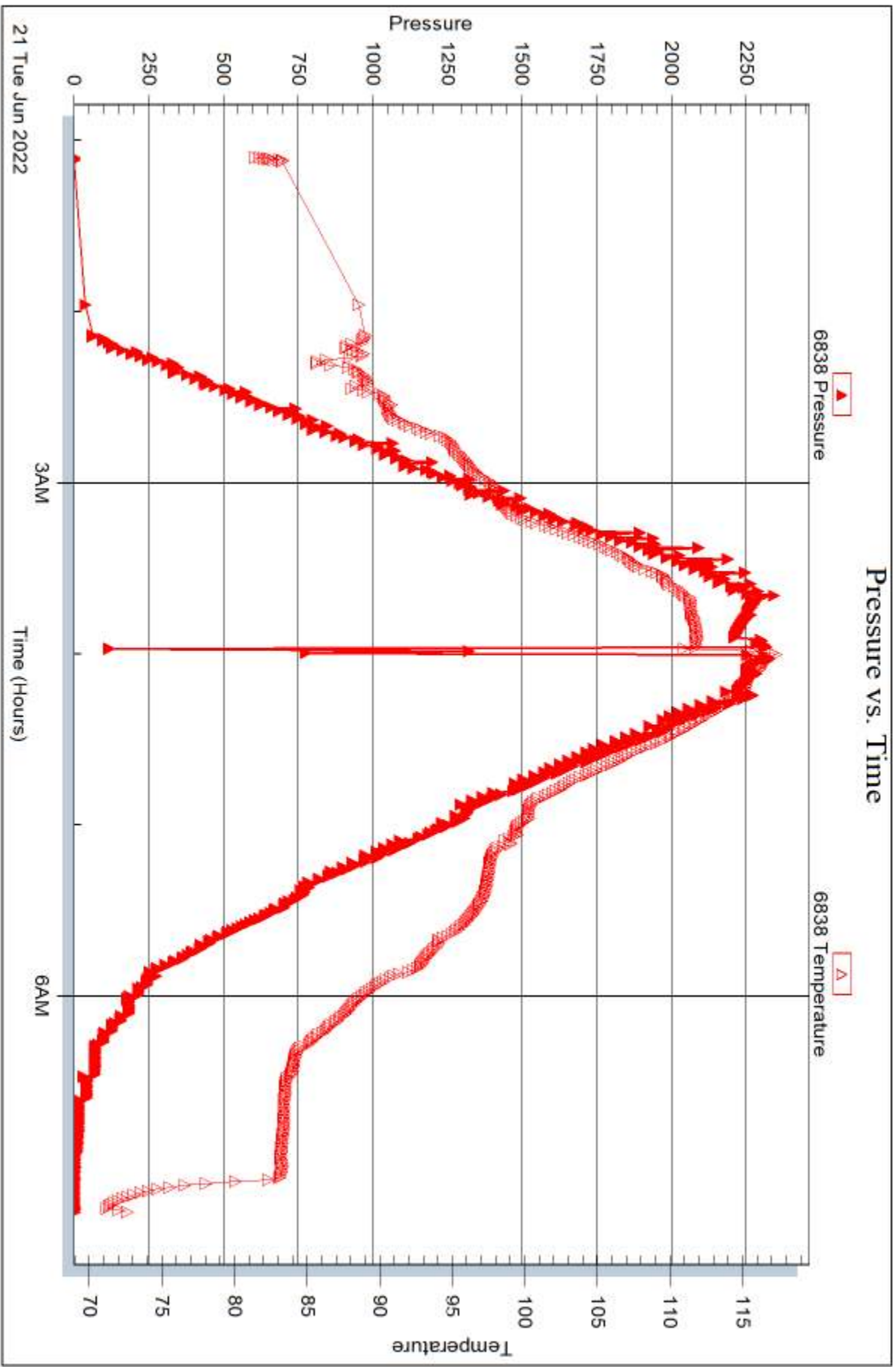
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Inside

Blue Goose Drilling Company Inc

Herrmann B #2

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 69056

Printed: 2022.06.23 @ 16:14:27



DRILL STEM TEST REPORT

Prepared For: **Blue Goose Drilling Company Inc**

PO Box 1413
Great Bend KS 67530+1413

ATTN: Ken Wallace

Herrmann B #2

30-25s-20w Edwards,KS

Start Date: 2022.06.22 @ 14:35:00

End Date: 2022.06.22 @ 22:22:07

Job Ticket #: 69057 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.06.23 @ 16:09:17



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO Box 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69057

DST#: 5

ATTN: Ken Wallace

Test Start: 2022.06.22 @ 14:35:00

GENERAL INFORMATION:

Formation: **Cherokee/Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:51:07

Time Test Ended: 22:22:07

Test Type: Conventional Straddle (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4687.00 ft (KB) To 4757.00 ft (KB) (TVD)

Reference Elevations: 2276.00 ft (KB)

Total Depth: 4828.00 ft (KB) (TVD)

2268.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Inside

Press@RunDepth: 114.74 psig @ 4691.00 ft (KB)

Capacity: psig

Start Date: 2022.06.22

End Date: 2022.06.22

Last Calib.: 2022.06.22

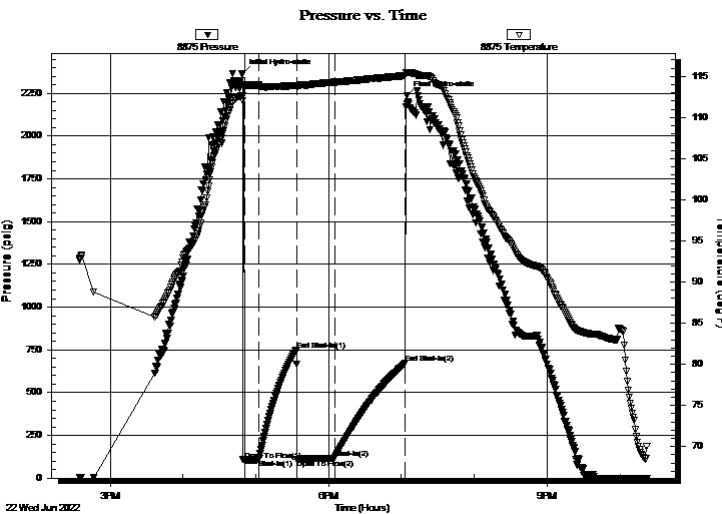
Start Time: 14:35:01

End Time: 22:22:07

Time On Btm: 2022.06.22 @ 16:49:07

Time Off Btm: 2022.06.22 @ 19:04:32

TEST COMMENT: 15-IF-Pker Fail Reset Bled off 5" Blow Surface Blow Died in 5 mins
30-ISI-No Return
30-FF-Surface Blow Died in 25 mins
60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2362.86	112.62	Initial Hydro-static
2	102.53	113.62	Open To Flow (1)
14	109.04	113.89	Shut-In(1)
45	748.86	113.87	End Shut-In(1)
45	109.16	113.75	Open To Flow (2)
76	114.74	114.31	Shut-In(2)
134	672.22	115.11	End Shut-In(2)
136	2236.73	115.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	Mud 100%M	1.71

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO Box 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69057

DST#: 5

ATTN: Ken Wallace

Test Start: 2022.06.22 @ 14:35:00

GENERAL INFORMATION:

Formation: **Cherokee/Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:51:07

Time Test Ended: 22:22:07

Test Type: Conventional Straddle (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4687.00 ft (KB) To 4757.00 ft (KB) (TVD)

Reference Elevations: 2276.00 ft (KB)

Total Depth: 4828.00 ft (KB) (TVD)

2268.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 4691.00 ft (KB)

Start Date: 2022.06.22

End Date: 2022.06.22

Capacity: psig

Last Calib.: 2022.06.22

Start Time: 14:35:01

End Time: 22:21:26

Time On Btm:

Time Off Btm:

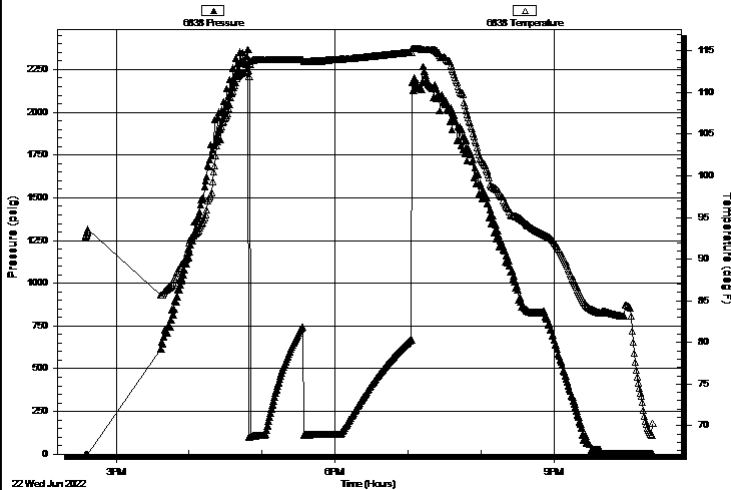
TEST COMMENT: 15-IF-Pker Fail Reset Bled off 5" Blow Surface Blow Died in 5 mins

30-ISI-No Return

30-FF-Surface Blow Died in 25 mins

60-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
200.00	Mud 100%M	1.71

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO Box 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69057

DST#: 5

ATTN: Ken Wallace

Test Start: 2022.06.22 @ 14:35:00

GENERAL INFORMATION:

Formation: **Cherokee/Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:51:07

Time Test Ended: 22:22:07

Test Type: Conventional Straddle (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: **4687.00 ft (KB) To 4757.00 ft (KB) (TVD)**

Reference Elevations: 2276.00 ft (KB)

Total Depth: 4828.00 ft (KB) (TVD)

2268.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6749 Below (Straddle)

Press@RunDepth: psig @ 4760.00 ft (KB)

Capacity: psig

Start Date: 2022.06.22

End Date:

2022.06.22

Last Calib.:

2022.06.22

Start Time: 14:35:01

End Time:

22:21:26

Time On Btm:

Time Off Btm:

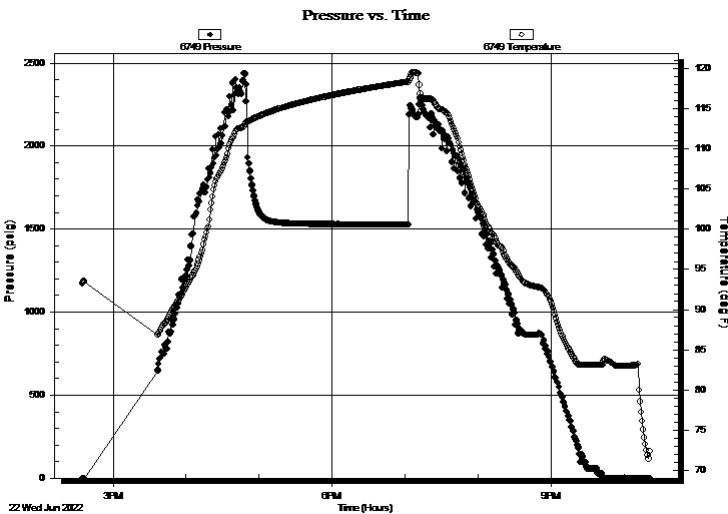
TEST COMMENT: 15-IF-Pker Fail Reset Bled off 5" Blow Surface Blow Died in 5 mins

30-ISI-No Return

30-FF-Surface Blow Died in 25 mins

60-FSI-No Return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
200.00	Mud 100%M	1.71

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO Box 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69057

DST#: 5

ATTN: Ken Wallace

Test Start: 2022.06.22 @ 14:35:00

Tool Information

Drill Pipe:	Length: 4545.00 ft	Diameter: 3.82 inches	Volume: 64.43 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	82000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
			- bbl	String Weight: Initial	75000.00 daN
Drill Pipe Above KB:	12.00 ft			Final	76000.00 daN
Depth to Top Packer:	4687.00 ft				
Depth to Bottom Packer:	4757.00 ft				
Interval between Packers:	70.00 ft				
Tool Length:	173.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			4656.00	
Shut In Tool	5.00			4661.00	
Hydraulic tool	5.00			4666.00	
Jars	5.00			4671.00	
Gap Sub	4.00			4675.00	
Safety Joint	3.00			4678.00	
Packer	5.00			4683.00	32.00 Bottom Of Top Packer
Packer	4.00			4687.00	
Stubb	1.00			4688.00	
Perforations	2.00			4690.00	
Change Over Sub	1.00			4691.00	
Recorder	0.00	6838	Inside	4691.00	
Recorder	0.00	8875	Inside	4691.00	
Drill Pipe	32.00			4723.00	
Change Over Sub	1.00			4724.00	
Perforations	28.00			4752.00	
Blank Off Sub	1.00			4753.00	
T Strd Pkr	4.00			4757.00	70.00 Tool Interval
Packer	0.00			4757.00	
Stubb	1.00			4758.00	
Perforations	1.00			4759.00	
Change Over Sub	1.00			4760.00	
Recorder	0.00	6749	Below	4760.00	
Drill Pipe	63.00			4823.00	
Change Over Sub	1.00			4824.00	
Perforations	1.00			4825.00	



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Goose Drilling Company Inc

30-25s-20w Edwards,KS

PO Box 1413
Great Bend KS 67530+1413

Herrmann B #2

Job Ticket: 69057

DST#: 5

ATTN: Ken Wallace

Test Start: 2022.06.22 @ 14:35:00

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: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 11400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	Mud 100%M	1.706

Total Length: 200.00 ft Total Volume: 1.706 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

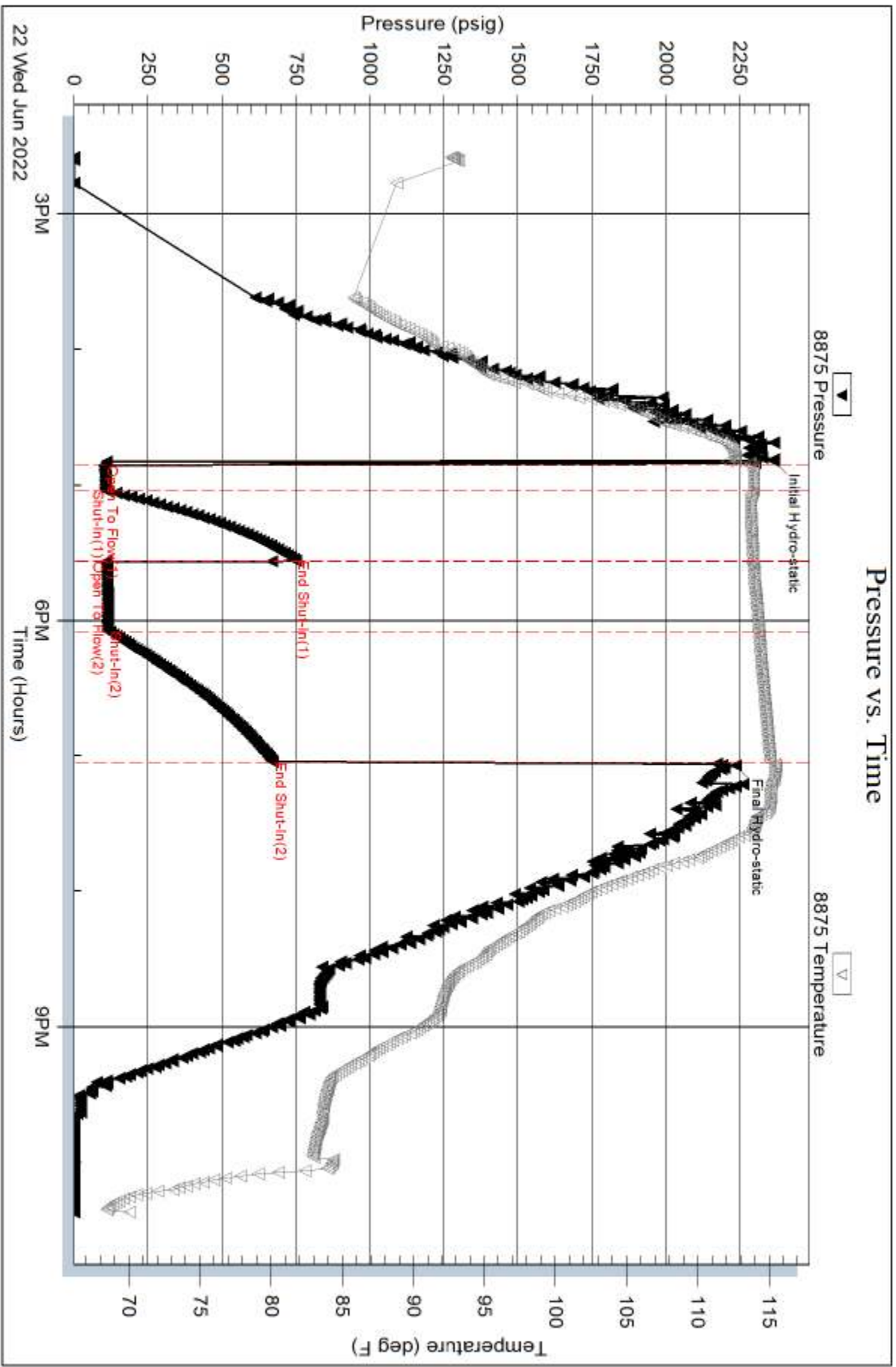
Serial #: 8875

Inside

Blue Goose Drilling Company Inc

Herrmann B #2

DST Test Number: 5



22 Wed Jun 2022

Trilobe Testing, Inc

Ref. No: 69057

Printed: 2022.06.23 @ 16:09:18

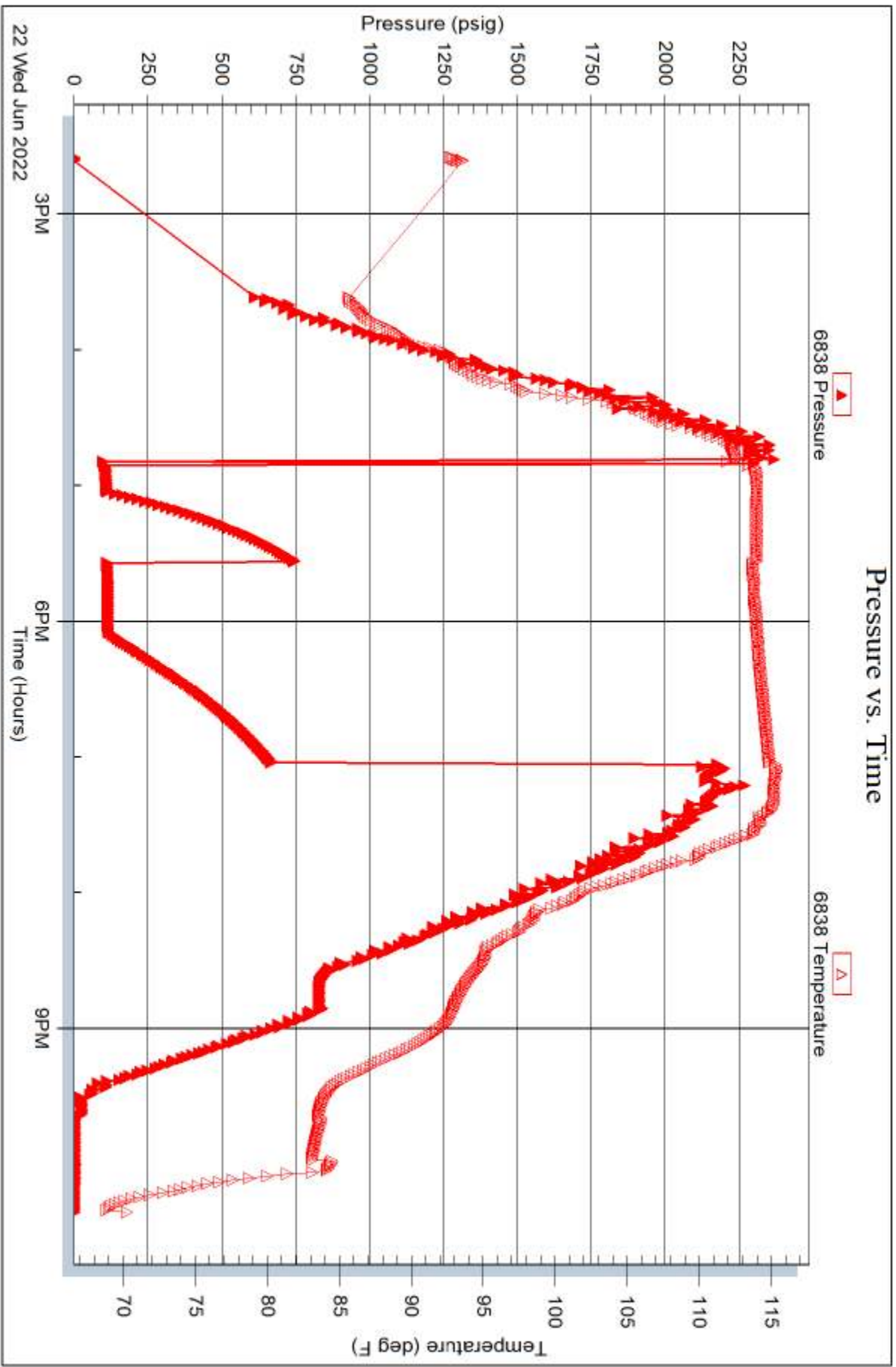
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Inside

Blue Goose Drilling Company Inc

Herrmann B #2

DST Test Number: 5



22 Wed Jun 2022

Tribble Testing, Inc

Ref. No: 69057

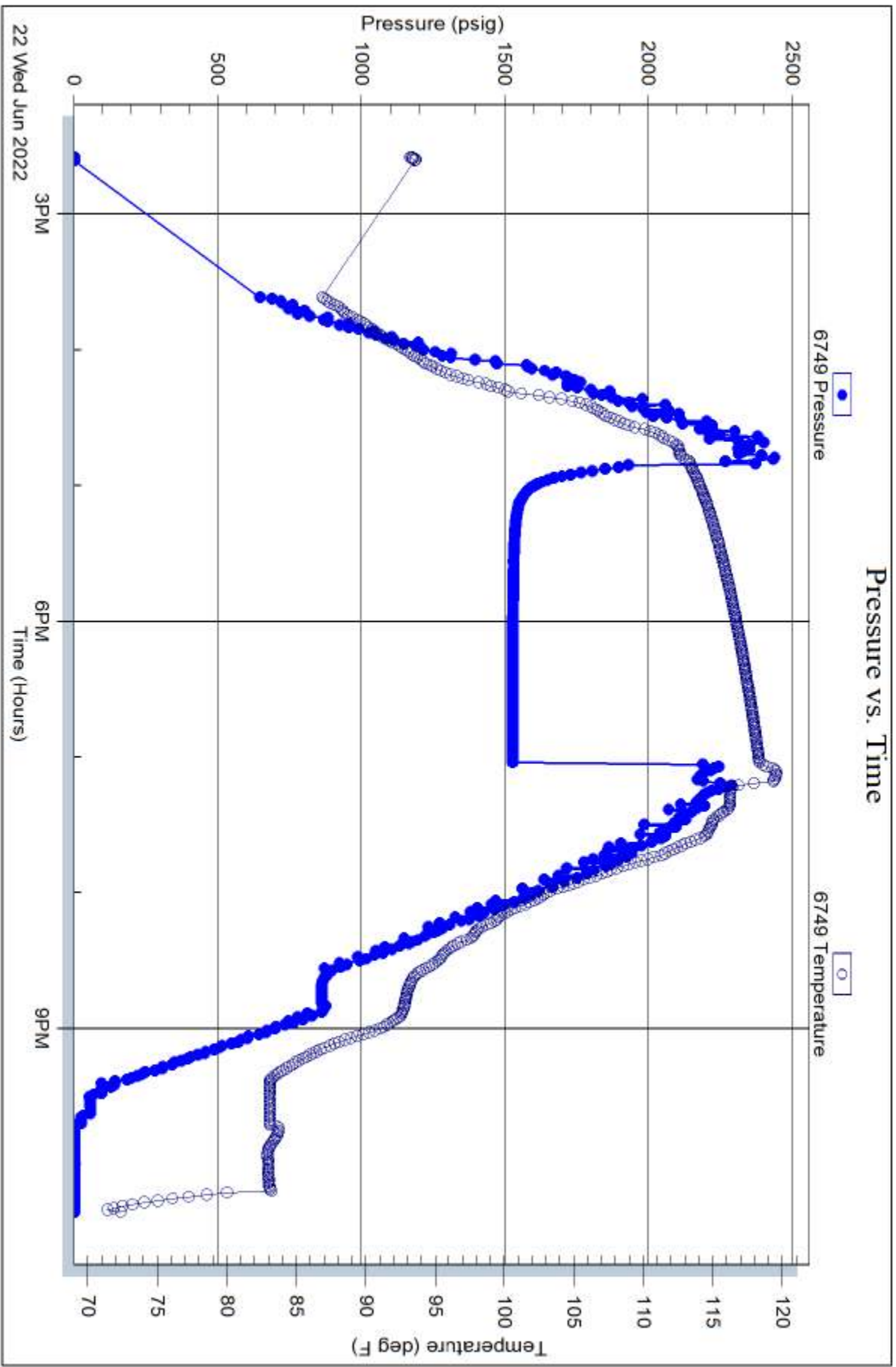
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Serial #: 6749

Below (Strat) Goose Drilling Company Inc

Herrmann B #2

DST Test Number: 5

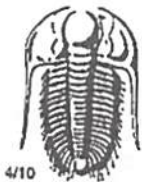


22 Wed Jun 2022

Tribble Testing, Inc

Ref. No: 69057

Printed: 2022.06.23 @ 16:09:18



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69053

Well Name & No. Herrmann B #2 Test No. 1 Date 06/18/2022
 Company Blue Horse Drilling Co., Inc Elevation 2276 KB 2268 GL
 Address PO BOX 1413 Great Bend KS 67530 +1413
 Co. Rep / Geo. Ken Wallace Rig Fossil #5
 Location: Sec. 30 Twp 254 Rge. 20w Co. Edwards State KS

Interval Tested 4713' - 4741' Zone Tested Mississippi Warsaw
 Anchor Length 28' Drill Pipe Run 4577' Mud Wt. 9.2
 Top Packer Depth 4708' Drill Collars Run 1228 Vis 48
 Bottom Packer Depth 4713' Wt. Pipe Run - WL 10.4
 Total Depth 4741' Chlorides 7000 ppm System LCM 2#

Blow Description 17- Surface; Died @ 8 mins
250- No Return
77- No Blow
780 No Return

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

Rec Total 3' BHT 1180 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2379</u>	<input checked="" type="checkbox"/> Test <u>1950</u>	T-On Location <u>22:05</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>00:30</u>
(C) First Final Flow <u>22</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>03:30</u>
(D) Initial Shut-In <u>38</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>05:45</u>
(E) Second Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>08:27</u>
(F) Second Final Flow <u>23</u>	<input checked="" type="checkbox"/> Mileage <u>13027</u> 195	Comments <u>hotel</u>
(G) Final Shut-In <u>37</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2331</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>-350</u>
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>-350</u>
	<input type="checkbox"/> Accessibility	Total <u>2095</u>
	Sub Total <u>2445</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature] Thanks!
 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.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69054

Well Name & No. Hermann B #2 Test No. 2 Date 06/19/2022
 Company Blue Horse Drilling Co, Inc Elevation 2276 KB 2268 GL
 Address PO BOX 1413 Great Bend KS 67501-1413
 Co. Rep / Geo. Ken Wallace Rig Fossil #5
 Location: Sec. 30 Twp 25N Rge. 20W Co. Edwards State KS

Interval Tested 4713' - 4745' Zone Tested Mississippi Warsaw
 Anchor Length 32' Drill Pipe Run 4577 Mud Wt. 9.3
 Top Packer Depth 4708' Drill Collars Run 122' Vis 47
 Bottom Packer Depth 4713' Wt. Pipe Run - WL 10.4
 Total Depth 4745' Chlorides 8000 ppm System LCM 2#

Blow Description 77-Surface; Died @ 5 mins
DSI - No Return
77 - No Blow
75D - No Return

Rec	Feet of	%gas	%oil	%water	%mud
60	OSM			100	

Rec Total 60' BHT 111° Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2380</u>	<input checked="" type="checkbox"/> Test <u>1950</u>	T-On Location <u>17:25</u>
(B) First Initial Flow <u>49</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>18:10</u>
(C) First Final Flow <u>52</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>20:30</u>
(D) Initial Shut-In <u>145</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>21:30</u>
(E) Second Initial Flow <u>52</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>00:16</u>
(F) Second Final Flow <u>56</u>	<input checked="" type="checkbox"/> Mileage <u>130 RT</u> 195	Comments <u>hotel</u>
(G) Final Shut-In <u>99</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2269</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>-350</u>
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>15</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>15</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Flow <u>15</u>	<input type="checkbox"/> Day Standby	Sub Total <u>-350</u>
Final Shut-In <u>15</u>	<input type="checkbox"/> Accessibility	Total <u>2095</u>
	Sub Total <u>2445</u>	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. 69055

Well Name & No. Herrmann B#2 Test No. 3 Date 06/20/2022
 Company Blue Moose Drilling Co, Inc Elevation 2276 KB 2268 GL
 Address PO BOX 1413 West Bend KS 67580+1413
 Co. Rep / Geo. Ken Wallace Rig Fossil #5
 Location: Sec. 30 Twp 25S Rge. 20W Co. Edwards State KS

Interval Tested 4713' - 4749' Zone Tested Mississippi
 Anchor Length 36' Drill Pipe Run 4577' Mud Wt. 9.3
 Top Packer Depth 4708' Drill Collars Run 122' Vis 47
 Bottom Packer Depth 4713' Wt. Pipe Run - WL 10.4
 Total Depth 4749' Chlorides 8000 ppm System LCM 2#

Blow Description 17- Surface to 1"; Dried back to 2"
250- No Return
177- No Blow
750- No Return

Rec	Feet of	%gas	%oil	%water	%mud
10'	OSM			100	

Rec Total 10 BHT 110° Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2360</u>	<input checked="" type="checkbox"/> Test <u>1950</u>	T-On Location <u>08:05</u>
(B) First Initial Flow <u>27</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>08:45</u>
(C) First Final Flow <u>32</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>10:47</u>
(D) Initial Shut-In <u>371</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>13:02</u>
(E) Second Initial Flow <u>34</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>15:14</u>
(F) Second Final Flow <u>38</u>	<input checked="" type="checkbox"/> Mileage <u>13027</u> 195	Comments <u>hotel</u>
(G) Final Shut-In <u>279</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2269</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>-350</u>
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Ruined Packer <u>335</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>335 - 350</u>
	<input type="checkbox"/> Accessibility	Total <u>2430</u>
	Sub Total <u>2445</u>	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. 69056

Well Name & No. Herrmann B #2 Test No. 4 Date 06/21/2022
 Company Blue Horse Drilling Co., Inc Elevation 2276 KB 2268 GL
 Address PO BOX 1413 Great Bend KS 67530 +1413
 Co. Rep / Geo. Ken Wallace Rig Fossil #5
 Location: Sec. 30 Twp 25s Rge. 20w Co. Edwards State Ks

Interval Tested 4713'-4757' Zone Tested Mississippi Osage
 Anchor Length 44' Drill Pipe Run 4577 Mud Wt. 9.3
 Top Packer Depth 4708' Drill Collars Run 122' Vis 46
 Bottom Packer Depth 4713' Wt. Pipe Run - WL 12.0
 Total Depth 4757' Chlorides 9200 ppm System LCM 2#
 Blow Description Packer Failure

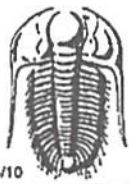
Rec	Feet of	%gas	%oil	%water	%mud
<u>250'</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 250' BHT 117° Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>2314</u>	<input checked="" type="checkbox"/> Test <u>1500</u>	T-On Location <u>00:16</u>
(B) First Initial Flow <u>108</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>01:06</u>
(C) First Final Flow <u>-</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>03:58</u>
(D) Initial Shut-In <u>-</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>04:00</u>
(E) Second Initial Flow <u>-</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>07:13</u>
(F) Second Final Flow <u>=</u>	<input checked="" type="checkbox"/> Mileage <u>13027</u> 195	Comments <u>hotel</u>
(G) Final Shut-In	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2267</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>-350</u>
Initial Open	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In	<input type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Ruined Packer <u>x2</u> 670
Final Flow	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In	<input type="checkbox"/> Day Standby	Sub Total <u>670 - 670</u>
	<input type="checkbox"/> Accessibility	Total <u>2665</u>
	Sub Total <u>1995</u>	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. 69057

Well Name & No. Herrmann B #2 Test No. 5 Date 06/22/2022
 Company Blue Goose Drilling Co, Inc Elevation 2276 KB 2268 GL
 Address PO BOX 1413 Great Bend KS 67530 F1413
 Co. Rep / Geo. Ken Wallace Rig Fossil #5
 Location: Sec. 30 Twp 25S Rge. 20W Co. Edwards State KS

Interval Tested 4687' - 4757' Zone Tested Cherokee + Mississippi
 Anchor Length 70' 71' tail Drill Pipe Run 4545' Mud Wt. 8.9
 Top Packer Depth 4687' Drill Collars Run 122' Vis 51
 Bottom Packer Depth 4757' Wt. Pipe Run - WL 10.0
 Total Depth 4828' Chlorides 11,400 ppm System LCM SH

Blow Description 77- Packer Failure; Reset; Held; Bled off 5" blow; Surface
SD- No Return Died
77- Surface; Died @ 25 mins
75D- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>200'</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 200' BHT 115° Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2362</u>	<input checked="" type="checkbox"/> Test <u>1950</u>	T-On Location <u>10:45</u>
(B) First Initial Flow <u>102</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>14:35</u>
(C) First Final Flow <u>109</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>16:45</u>
(D) Initial Shut-In <u>748</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>19:00</u>
(E) Second Initial Flow <u>109</u>	<input checked="" type="checkbox"/> Hourly Standby <u>x1</u>	T-Out <u>22:19</u>
(F) Second Final Flow <u>114</u>	<input checked="" type="checkbox"/> Mileage <u>13027</u> 195	Comments <u>hotel</u>
(G) Final Shut-In <u>672</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2236</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input checked="" type="checkbox"/> EM Tool <u>-350</u>
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>15</u>	<input type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Ruined Packer <u>335</u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input checked="" type="checkbox"/> Day Standby <u>27hrs</u> 1d 3.5h	Sub Total <u>116.67 + 335 - 350</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	Total <u>3396.67</u>
	Sub Total <u>3295</u>	MP/DST Disc't

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GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY: Blue Goose Drilling Co., Inc.

FIELD: Hartman #2

LOCATION: SW 1/4 NW 1/4

SIC: 80

COUNTY: Edwards STATE: KS

QUARTER: Fossil Drilling Co., Rig #2

SPIN: 6/13/2022

RID: 4830' LTD 4838'

KID: 3900' TYPE: MD Chem

SHAFTS SAVED FROM: 3900' TO 4830' RTD

DRILLING TIME KEPT FROM: 3800' TO 4830' RTD

SAMPLES EXAMINED FROM: 3900' TO 4830' RTD

GEOL. OR. CAL. SUPERVISION FROM: 3900' TO 4830' RTD

GEOL. OR. CAL. SUPERVISOR: Ken Wallace

POSITION: TOGS

LOGS

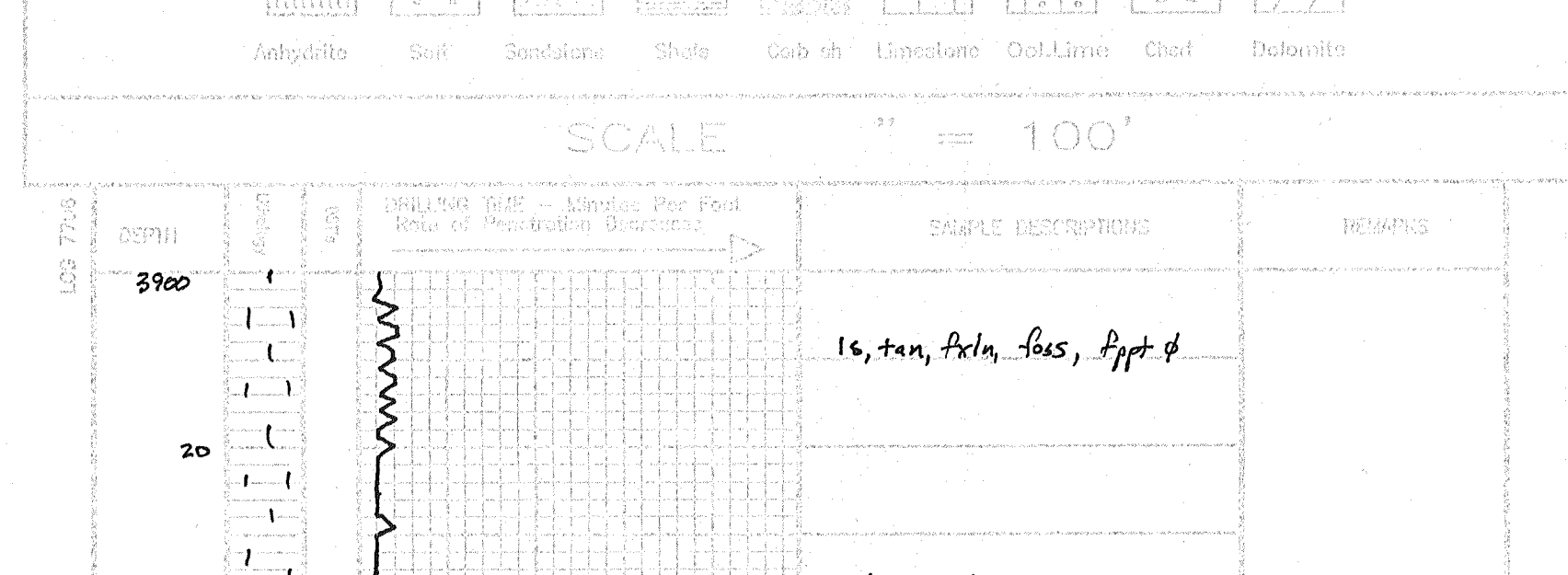
SAMPLES

DATE: 1/3/2023

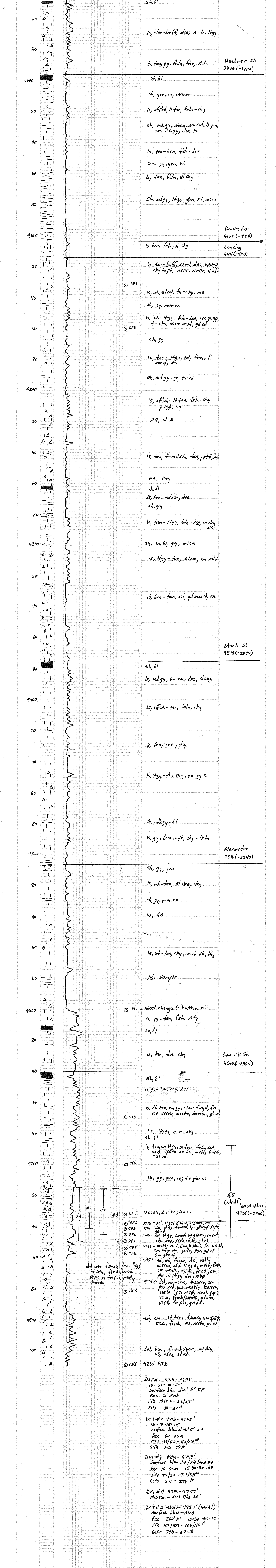
TIME: 13:30

LOG NO: 4828(-5532)

DEPTH	DESCRIPTION	REMARKS
3900	ls, tan, fxl, fss, fpt d	
40	sh, gy, rd	
45	ls, tan, dse, sm fxl	
50	sh, bl	
55	ls, tan-buff, dse; A cl, Hgy	
60	ls, tan, gy, fxl, fss, sl d	Heebner Sh 3996 (-1720)
65	sh, bl	
70	sh, grn, rd, maroon	
75	ls, offwh, H-tan, fxl-cky	
80	sh, md gy, mica, sm red, Hgy, sm dk gy, dse ls	
85	ls, tan-brn, fxl-dse	
90	sh, gy, grn, rd	
95	ls, tan, fxl, sl cky	
100	sh, md gy, Hgy, grn, rd, mica	
4100	ls, brn, fxl, sl cky	Brown Lm 4104 (-1828) Lansing 4114 (-1838)
105	ls, tan-buff, sl ool, dse, upvgf, cky in pt, NSFO, Nvstr, sl ad.	
110	ls, wh, sl ool, fx-cky, NS	
115	sh, gy, maroon	
120	ls, wh-Hgy, fxl-dse, lpc gvgf, tr str, SSFO on bk, gd ad	
125	sh, gy	
130	ls, tan-Hgy, ool, fss, f oocd, NS	
135	sh, md gy-gr, tr rd	
140	ls, offwh-H tan, fxl-cky, pvgf, NS	
145	AA, sl d	
150	ls, tan, f-mxl, fss, pptd, NS	
155	AA, dty	
160	sh, bl	
165	ls, brn, md ch, dse	
170	sh, gy	
175	ls, tan-Hgy, fxl-dse, smcky, NS	
180	sh, sm bl, gy, mica	
185	ls, Hgy-tan, sl ool, sm ool d	
190	ls, brn-tan, ool, gd oocd, NS	
4300	sh, bl	
4350	ls, md gy, sm tan, dse, sl cky	Stark Sh 4375 (-2079)
4400	ls, offwh-tan, fxl, cky	
4450	ls, brn, dse, cky	
4500	ls, Hgy-wh, cky, sm gy A	
4550	sh, dk gy-bl	
4600	ls, gy, brn in pt, cky-fxl	Marmaton 4516 (-2240)
4650	sh, gy, grn	
4700	ls, wh-tan, sl dse, cky	
4750	sh, gy, grn, rd	
4800	ls, AA	
4850	ls, wh-tan, cky, much sh, dty	
4900	No sample	
4950	ST. 4600' change to button bit	
5000	ls, gy-tan, fxl, dty	
5050	sh, bl	
5100	ls, tan, dse-cky	Lwr ck Sh 4640 (-2364)
5150	sh, bl	
5200	ls, gy-tan, cky, dse	
5250	ls, dk brn, sm gy, sl ool, fvgf, fw PCS vsso, mostly barren, gd ad	
5300	ls, dk gy, dse-cky	
5350	sh, bl	
5400	ls, tan, sm Hgy, sl fss, fxl, set vq, vsso on bk, mostly barren, sl ad.	
5450	sh, gy, grn, rd; tr glau ss	#5 (strd) Miss Wars 4736 (-2460)
5500	VC; sh, d, tr glau ss	
5550	3736-dol, Hgy, fss, sl glau, no 3741-dol, Hgy, fss, lpc gvgf, fss, gd ad	
5600	3745-dol, Hgy, smwh up glau, sm sat str, vq, vsso on bk, gd ad	
5650	3749 - mostly vc d (wh, bl, ls), fr-weath sm adp str, qz, pyr, gal ad; sm grn sh	
5700	3754-dol, wh, fss, dse, mostly barren, abd Hgy, mostly fres, sm weath, vsso, fr ad; sm pyr in Hgy dol, Nvstr	
5750	4757-dol, wh-crm, fss, sm pec sat, but mostly barren, vsso to lpc, Nvstr, much pyr, VC, fresh/weath, gd str, vsso to tr pec, gd ad.	
5800	dol, cm - 14 tan, fss, sm ISG, VC, fresh, NS, Nvstr, gd ad.	
5850	dol, tan, fss, sm suco, vq dty, NS, Nvstr, sl ad.	
5900	4830' RTD	
5950	DST #1 4713-4741' 15-30-30-60' Surface blow died 5" IF Rec. 3' Mnd FPS 19/22-22/23# SIPS 38-37#	
6000	DST #2 4713-4745' 15-15-15-15' Surface blow died 5" IF Rec. 60' OSM FPS 49/52-52/56# SIPS 145-99#	
6050	DST #3 4713-4749' Surface blow IF/No blow FF Rec. 10' OSM 15-30-30-60 FPS 27/32-34/38# SIPS 371-279#	
6100	DST #4 4713-4757' Mistrun - tool slid 25'	
6150	DST #5 4687-4757' (strd) Surface blow - died Rec. 200' M 15-30-30-60 FPS 102/109-109/114# SIPS 788-672#	



SCALE 1" = 100'



REMARKS