

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

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

Prepared For: **Great Plains Energy Inc**

6121 S 58th St STE B
Lincoln NE 68516+3669

ATTN: Richard Hall

Reynolds #3-30

30-9s-24w Graham,KS

Start Date: 2022.04.25 @ 14:00:00

End Date: 2022.04.25 @ 23:21:02

Job Ticket #: 69027 DST #: 1

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

Printed: 2022.05.03 @ 17:08:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

Job Ticket: 69027

DST#: 1

ATTN: Richard Hall

Test Start: 2022.04.25 @ 14:00:00

GENERAL INFORMATION:

Formation: **LKC C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:10:07

Time Test Ended: 23:21:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: 3915.00 ft (KB) To 3946.00 ft (KB) (TVD)

Reference Elevations: 2555.00 ft (KB)

Total Depth: 3946.00 ft (KB) (TVD)

2548.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8875 Outside

Press@RunDepth: 25.17 psig @ 3916.00 ft (KB)

Capacity: psig

Start Date: 2022.04.25 End Date: 2022.04.25

Last Calib.: 2022.04.25

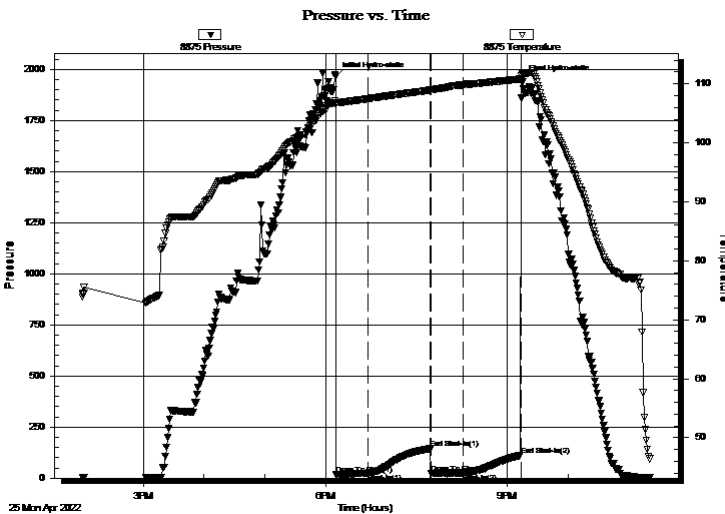
Start Time: 14:00:01 End Time: 23:21:02

Time On Btm: 2022.04.25 @ 18:09:57

Time Off Btm: 2022.04.25 @ 21:14:12

TEST COMMENT: 30-IF-Surface to 1/2" Died
60-ISI-No Return
30-FF-No Blow
60-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1966.34	107.07	Initial Hydro-static
1	18.27	106.49	Open To Flow (1)
32	24.72	107.46	Shut-In(1)
94	143.97	108.93	End Shut-In(1)
95	23.07	108.93	Open To Flow (2)
127	25.17	109.80	Shut-In(2)
184	111.17	110.82	End Shut-In(2)
185	1951.57	111.67	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

Job Ticket: 69027

DST#: 1

ATTN: Richard Hall

Test Start: 2022.04.25 @ 14:00:00

Tool Information

Drill Pipe:	Length: 3784.00 ft	Diameter: 3.82 inches	Volume: 53.64 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	90000.00 daN
		Total Volume: - bbl		Tool Chased	ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	62000.00 daN
Depth to Top Packer:	3915.00 ft			Final	62000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	31.00 ft				
Tool Length:	63.00 ft				
Number of Packers:	1	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			3884.00	
Shut In Tool	5.00			3889.00	
Hydraulic tool	5.00			3894.00	
Jars	5.00			3899.00	
Gap Sub	4.00			3903.00	
Safety Joint	3.00			3906.00	
Packer	5.00			3911.00	32.00 Bottom Of Top Packer
Packer	4.00			3915.00	
Stubb	1.00			3916.00	
Recorder	0.00	6838	Inside	3916.00	
Recorder	0.00	8875	Outside	3916.00	
Perforations	27.00			3943.00	
Bullnose	3.00			3946.00	31.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

Job Ticket: 69027

DST#: 1

ATTN: Richard Hall

Test Start: 2022.04.25 @ 14:00:00

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:

bbbl

Water Loss: 8.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	OSM 100%M	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

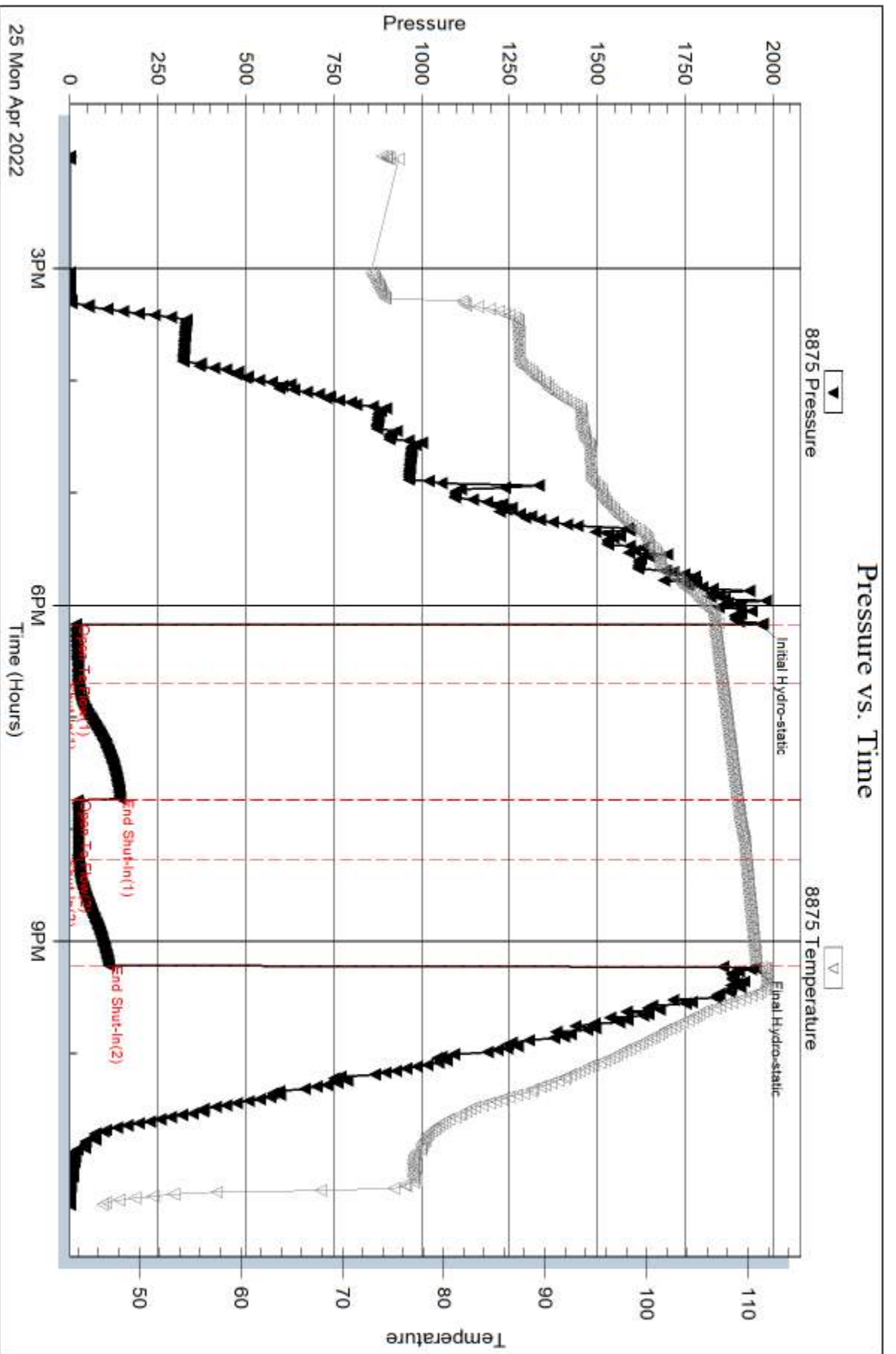
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: TrLCM



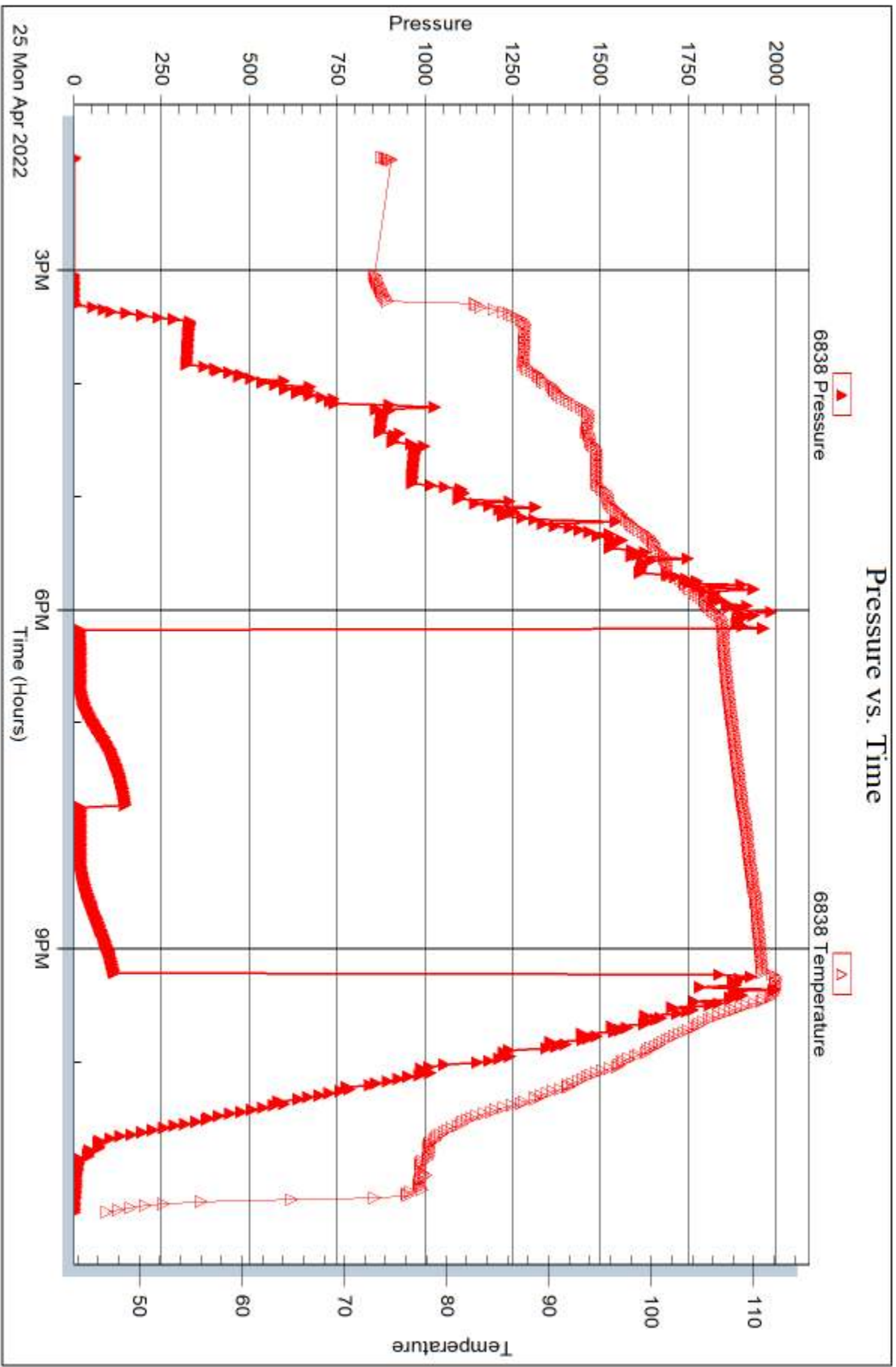
Serial #: 6838

Inside

Great Plains Energy Inc

Reynolds #3-30

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 69027

Printed: 2022.05.03 @ 17:08:25



DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

6121 S 58th St STE B
Lincoln NE 68516+3669

ATTN: Richard Hall

Reynolds #3-30

30-9s-24w Graham,KS

Start Date: 2022.04.26 @ 10:32:00

End Date: 2022.04.26 @ 19:53:42

Job Ticket #: 69028 DST #: 2

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

Printed: 2022.05.03 @ 17:08:00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

Job Ticket: 69028

DST#: 2

ATTN: Richard Hall

Test Start: 2022.04.26 @ 10:32:00

GENERAL INFORMATION:

Formation: **Lans E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:07:37

Time Test Ended: 19:53:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 3962.00 ft (KB) To 3986.00 ft (KB) (TVD)

Reference Elevations: 2555.00 ft (KB)

Total Depth: 3986.00 ft (KB) (TVD)

2548.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8875 Outside

Press@RunDepth: 68.67 psig @ 3963.00 ft (KB)

Capacity: psig

Start Date: 2022.04.26

End Date: 2022.04.26

Last Calib.: 2022.04.26

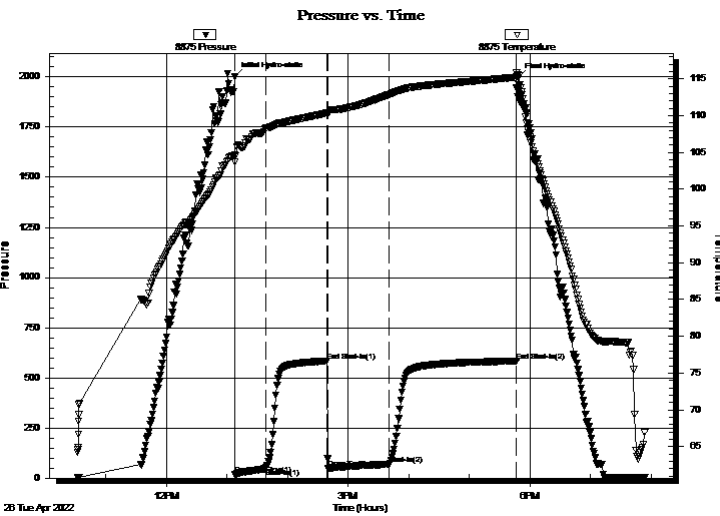
Start Time: 10:32:01

End Time: 19:53:42

Time On Btm: 2022.04.26 @ 13:07:32

Time Off Btm: 2022.04.26 @ 17:48:07

TEST COMMENT: 30-IF-Surface to 1"
60-ISI-No Return
60-FF-Surface to 3"
120-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2001.40	104.68	Initial Hydro-static
1	17.62	103.67	Open To Flow (1)
31	47.53	108.39	Shut-In(1)
92	584.08	110.33	End Shut-In(1)
93	47.42	110.39	Open To Flow (2)
153	68.67	112.86	Shut-In(2)
280	584.26	115.26	End Shut-In(2)
281	1994.85	115.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
87.00	GHOCM 20%G 35%O 45%M	0.43
30.00	GO 30%G 70%O	0.15
0.00	90 GIP 100%G	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

Job Ticket: 69028

DST#: 2

ATTN: Richard Hall

Test Start: 2022.04.26 @ 10:32:00

Tool Information

Drill Pipe:	Length: 3848.00 ft	Diameter: 3.82 inches	Volume: 54.55 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	72000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
			- bbl	String Weight: Initial	63000.00 daN
Drill Pipe Above KB:	35.00 ft			Final	64000.00 daN
Depth to Top Packer:	3962.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	1	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3931.00	
Shut In Tool	5.00			3936.00	
Hydraulic tool	5.00			3941.00	
Jars	5.00			3946.00	
Gap Sub	4.00			3950.00	
Safety Joint	3.00			3953.00	
Packer	5.00			3958.00	32.00 Bottom Of Top Packer
Packer	4.00			3962.00	
Stubb	1.00			3963.00	
Recorder	0.00	6838	Inside	3963.00	
Recorder	0.00	8875	Outside	3963.00	
Perforations	20.00			3983.00	
Bullnose	3.00			3986.00	24.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc
6121 S 58th St STE B
Lincoln NE 68516+3669
ATTN: Richard Hall

30-9s-24w Graham,KS
Reynolds #3-30
Job Ticket: 69028 **DST#: 2**
Test Start: 2022.04.26 @ 10:32:00

Mud and Cushion Information

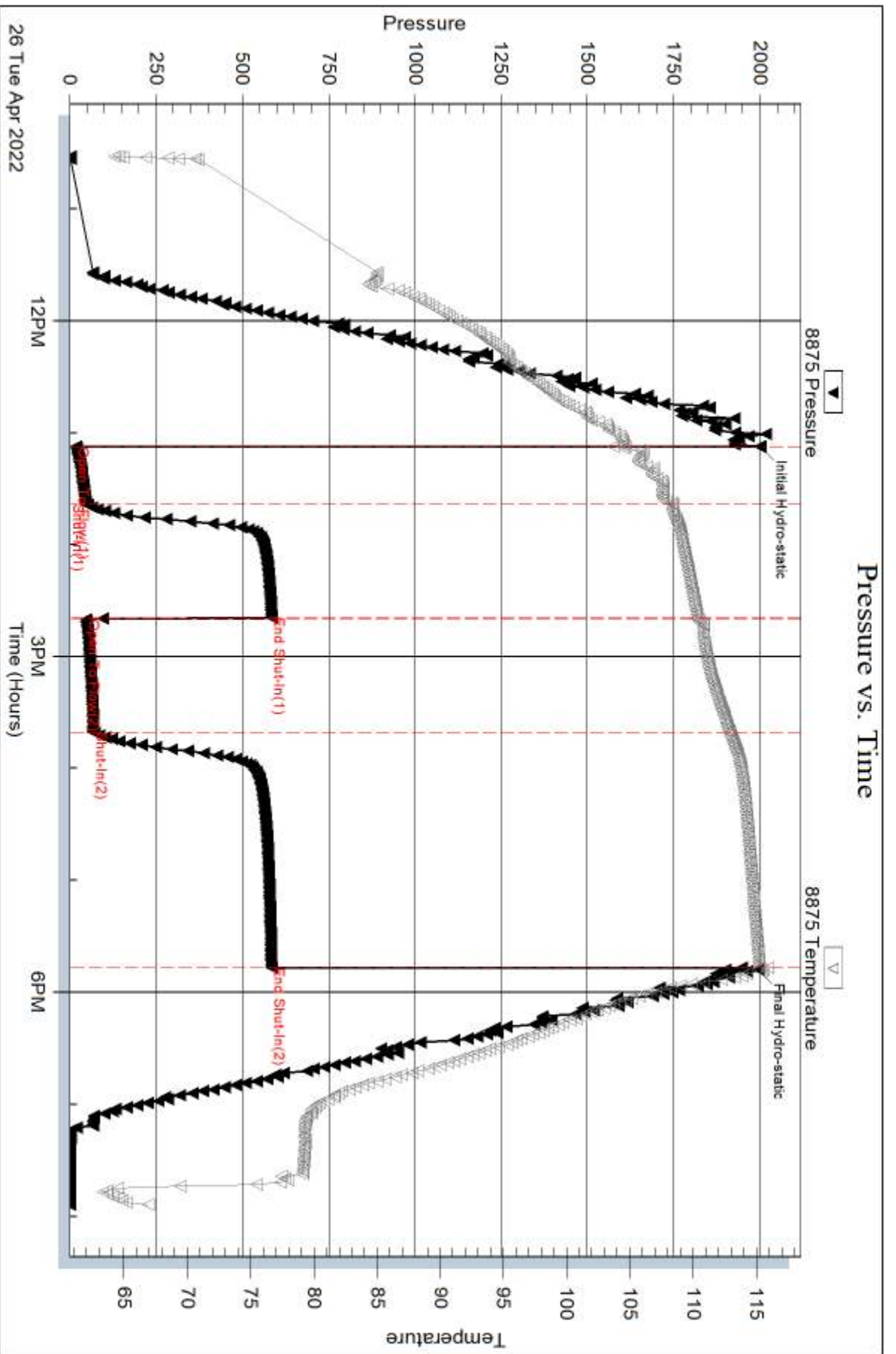
Mud Type: Gel Chem	Cushion Type:	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.37 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2100.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
87.00	GHOCM 20%G 35%O 45%M	0.428
30.00	GO 30%G 70%O	0.148
0.00	90 GIP 100%G	0.000

Total Length: 117.00 ft Total Volume: 0.576 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: TrLCM



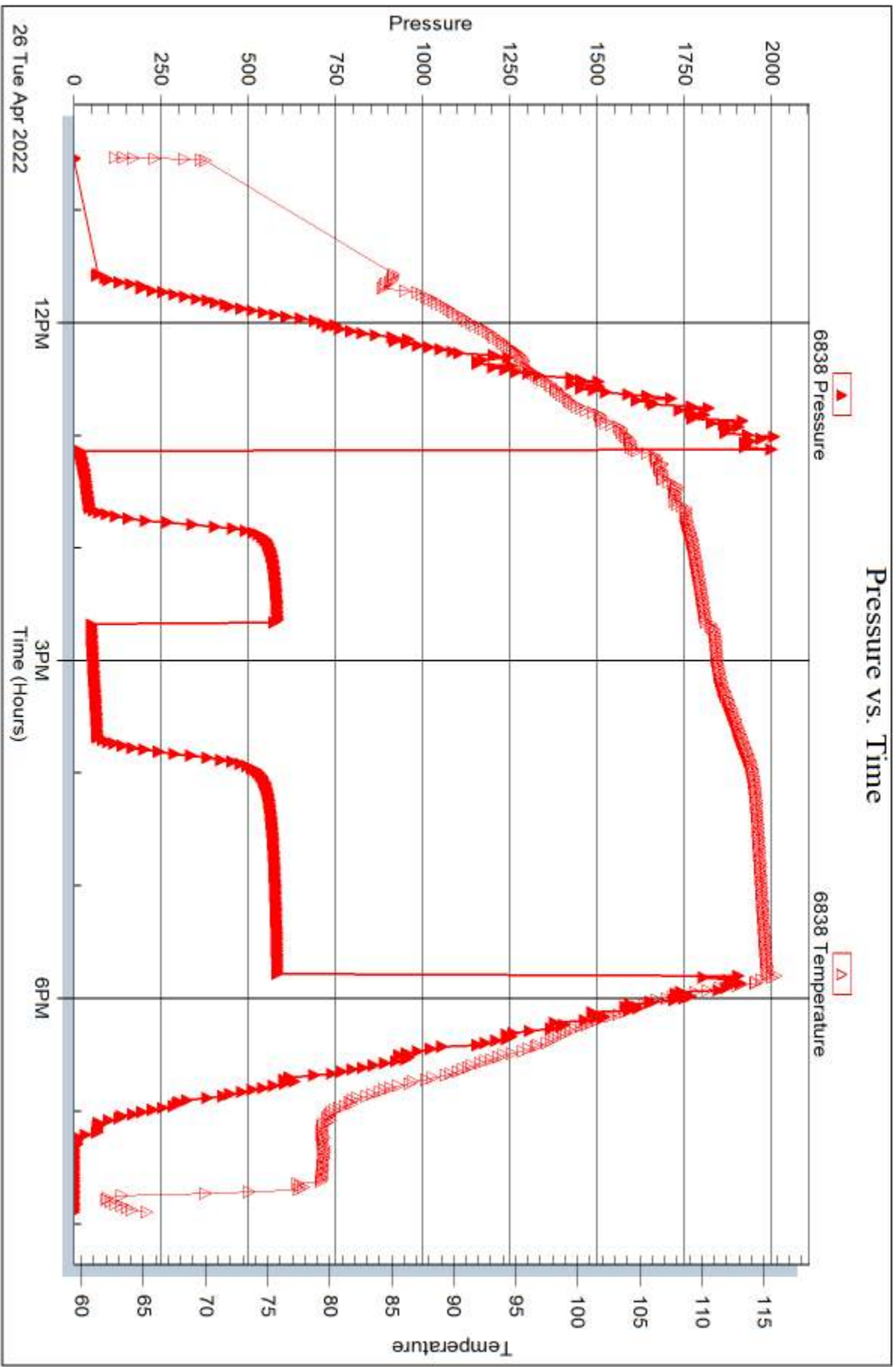
Serial #: 6838

Inside

Great Plains Energy Inc

Reynolds #3-30

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 69028

Printed: 2022.05.03 @ 17:08:02



DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

6121 S 58th St STE B
Lincoln NE 68516+3669

ATTN: Richard Hall

Reynolds #3-30

30-9s-24w Graham,KS

Start Date: 2022.04.27 @ 13:00:00

End Date: 2022.04.27 @ 21:30:22

Job Ticket #: 69029 DST #: 3

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

Printed: 2022.05.03 @ 17:07:35



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

ATTN: Richard Hall

Job Ticket: 69029

DST#: 3

Test Start: 2022.04.27 @ 13:00:00

GENERAL INFORMATION:

Formation: **LKC I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:27:17

Time Test Ended: 21:30:22

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4042.00 ft (KB) To 4071.00 ft (KB) (TVD)

Reference Elevations: 2555.00 ft (KB)

Total Depth: 4071.00 ft (KB) (TVD)

2548.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8875 Outside

Press@RunDepth: 29.60 psig @ 4043.00 ft (KB)

Capacity: psig

Start Date: 2022.04.27

End Date: 2022.04.27

Last Calib.: 2022.04.27

Start Time: 13:00:01

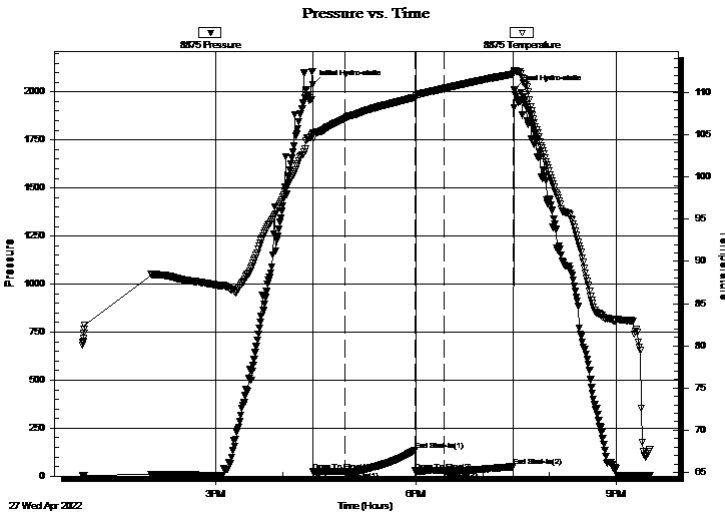
End Time: 21:30:22

Time On Btm: 2022.04.27 @ 16:27:12

Time Off Btm: 2022.04.27 @ 19:28:32

TEST COMMENT: 30-IF-Surface Died
60-ISI-No Return
30-FF-Surface Died
60-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2039.47	105.27	Initial Hydro-static
1	23.23	104.56	Open To Flow (1)
29	25.12	106.89	Shut-In(1)
92	136.00	109.42	End Shut-In(1)
92	26.83	109.44	Open To Flow (2)
119	29.60	110.48	Shut-In(2)
181	50.09	112.21	End Shut-In(2)
182	2010.37	112.61	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

Job Ticket: 69029

DST#: 3

ATTN: Richard Hall

Test Start: 2022.04.27 @ 13:00:00

Tool Information

Drill Pipe:	Length: 3911.00 ft	Diameter: 3.82 inches	Volume: 55.44 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	80000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
			- bbl	String Weight: Initial	65000.00 daN
Drill Pipe Above KB:	18.00 ft			Final	65000.00 daN
Depth to Top Packer:	4042.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	29.00 ft				
Tool Length:	61.00 ft				
Number of Packers:	1	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4011.00	
Shut In Tool	5.00			4016.00	
Hydraulic tool	5.00			4021.00	
Jars	5.00			4026.00	
Gap Sub	4.00			4030.00	
Safety Joint	3.00			4033.00	
Packer	5.00			4038.00	32.00 Bottom Of Top Packer
Packer	4.00			4042.00	
Stubb	1.00			4043.00	
Recorder	0.00	6838	Inside	4043.00	
Recorder	0.00	8875	Outside	4043.00	
Perforations	25.00			4068.00	
Bullnose	3.00			4071.00	29.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

Job Ticket: 69029

DST#: 3

ATTN: Richard Hall

Test Start: 2022.04.27 @ 13:00:00

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: 65.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 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

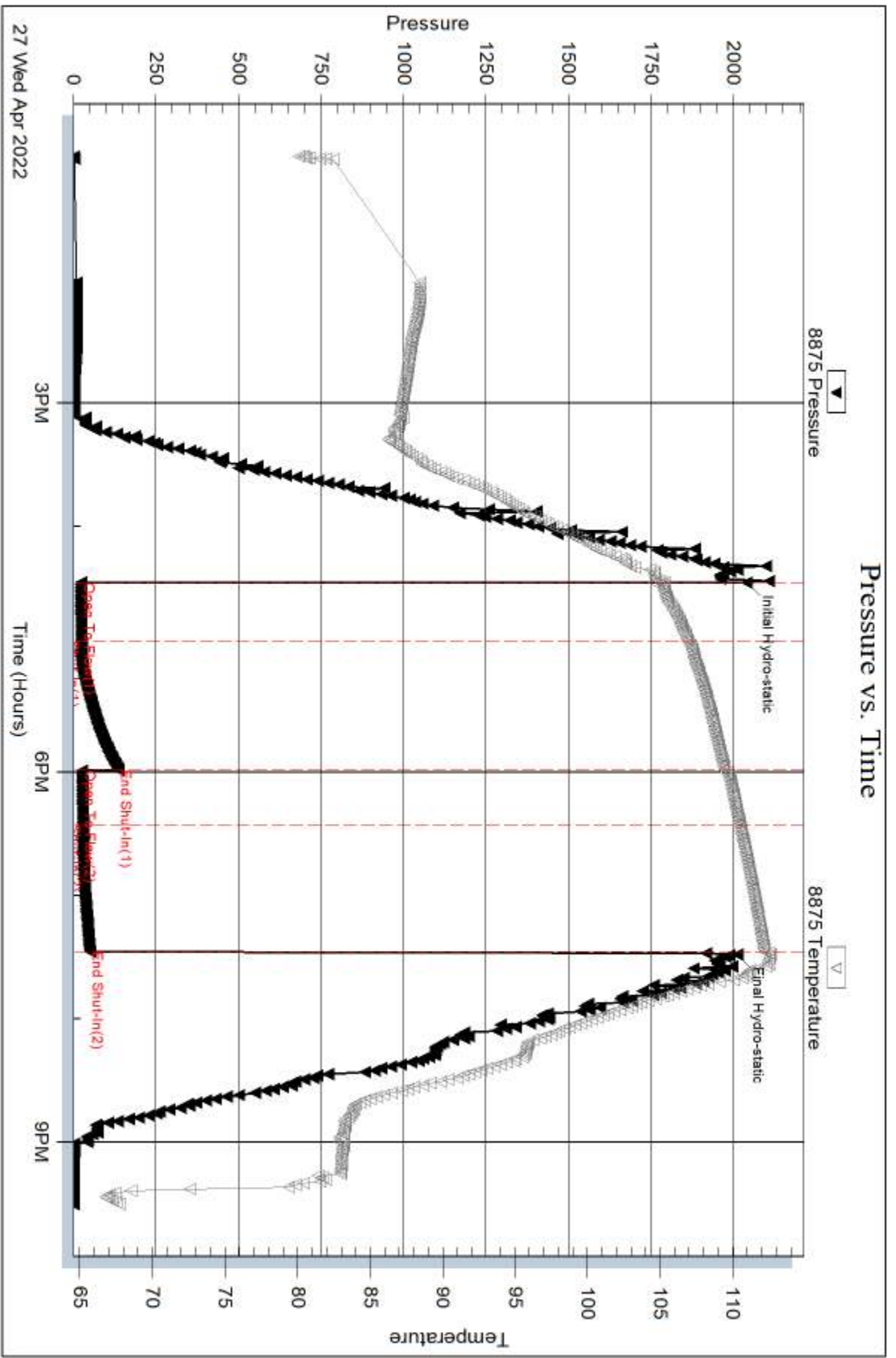
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: TrLCM



27 Wed Apr 2022

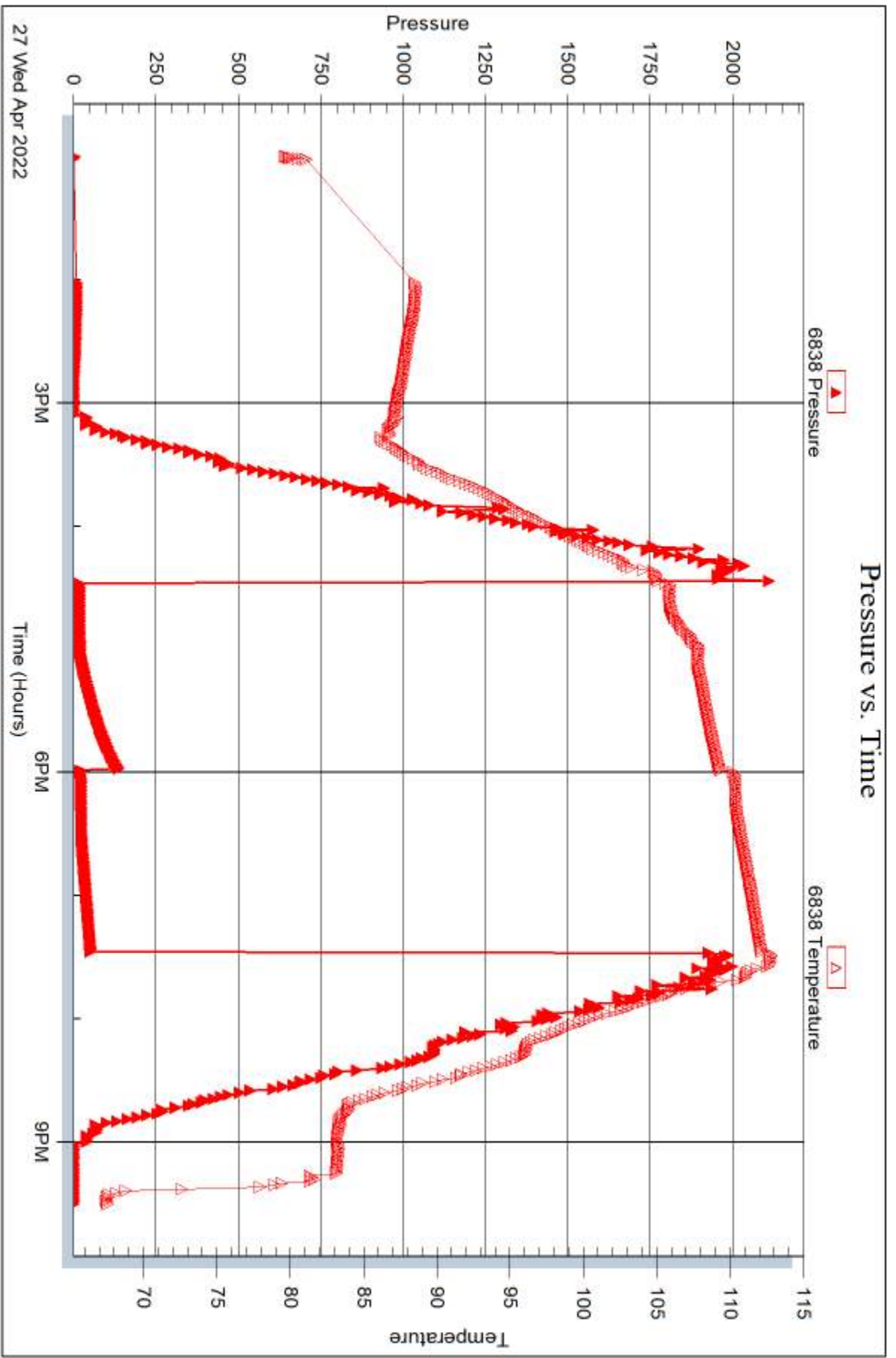
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Inside

Great Plains Energy Inc

Reynolds #3-30

DST Test Number: 3



27 Wed Apr 2022

Triobite Testing, Inc

Ref. No: 69029

Printed: 2022.05.03 @ 17:07:37



DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

6121 S 58th St STE B
Lincoln NE 68516+3669

ATTN: Richard Hall

Reynolds #3-30

30-9s-24w Graham,KS

Start Date: 2022.04.28 @ 06:25:00

End Date: 2022.04.28 @ 14:48:42

Job Ticket #: 69030 DST #: 4

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

Printed: 2022.05.03 @ 17:07:04

Great Plains Energy Inc
30-9s-24w Graham,KS
Reynolds #3-30
DST # 4
KC J
2022.04.28



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

Job Ticket: 69030

DST#: 4

ATTN: Richard Hall

Test Start: 2022.04.28 @ 06:25:00

GENERAL INFORMATION:

Formation: **KC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:02:07

Time Test Ended: 14:48:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4064.00 ft (KB) To 4088.00 ft (KB) (TVD)

Total Depth: 4088.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8875 Outside

Press@RunDepth: 39.26 psig @ 4065.00 ft (KB)

Start Date: 2022.04.28

End Date:

2022.04.28

Start Time: 06:25:01

End Time:

14:48:41

Capacity: psig

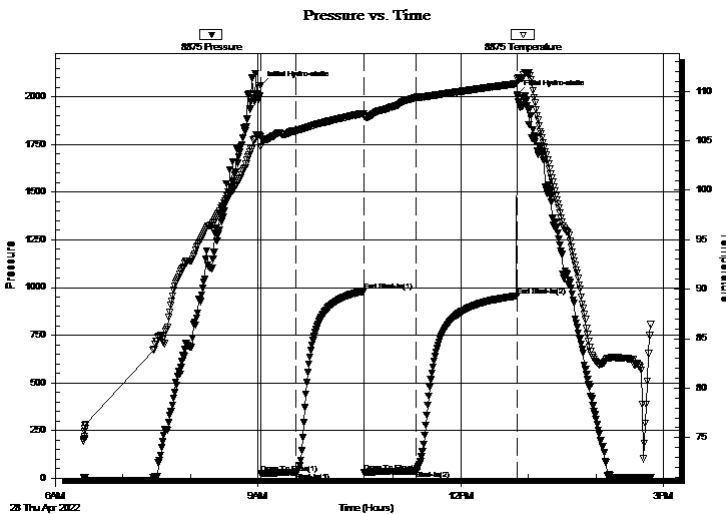
Last Calib.: 2022.04.28

Time On Btm: 2022.04.28 @ 09:02:02

Time Off Btm: 2022.04.28 @ 12:50:12

TEST COMMENT: 30-IF-Surface to 1/2" Died
60-ISI-No Return
45-FF-No Blow
90-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2058.36	105.43	Initial Hydro-static
1	23.99	104.40	Open To Flow (1)
32	31.05	106.00	Shut-In(1)
92	980.95	107.73	End Shut-In(1)
93	30.24	107.48	Open To Flow (2)
138	39.26	109.35	Shut-In(2)
228	955.68	110.78	End Shut-In(2)
229	2011.69	111.23	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

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

Job Ticket: 69030

DST#: 4

ATTN: Richard Hall

Test Start: 2022.04.28 @ 06:25:00

Tool Information

Drill Pipe:	Length: 3943.00 ft	Diameter: 3.82 inches	Volume: 55.89 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	76000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
			- bbl	String Weight: Initial	66000.00 daN
Drill Pipe Above KB:	28.00 ft			Final	66000.00 daN
Depth to Top Packer:	4064.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	1	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4033.00	
Shut In Tool	5.00			4038.00	
Hydraulic tool	5.00			4043.00	
Jars	5.00			4048.00	
Gap Sub	4.00			4052.00	
Safety Joint	3.00			4055.00	
Packer	5.00			4060.00	32.00 Bottom Of Top Packer
Packer	4.00			4064.00	
Stubb	1.00			4065.00	
Recorder	0.00	6838	Inside	4065.00	
Recorder	0.00	8875	Outside	4065.00	
Perforations	20.00			4085.00	
Bullnose	3.00			4088.00	24.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

Job Ticket: 69030

DST#: 4

ATTN: Richard Hall

Test Start: 2022.04.28 @ 06:25:00

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 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

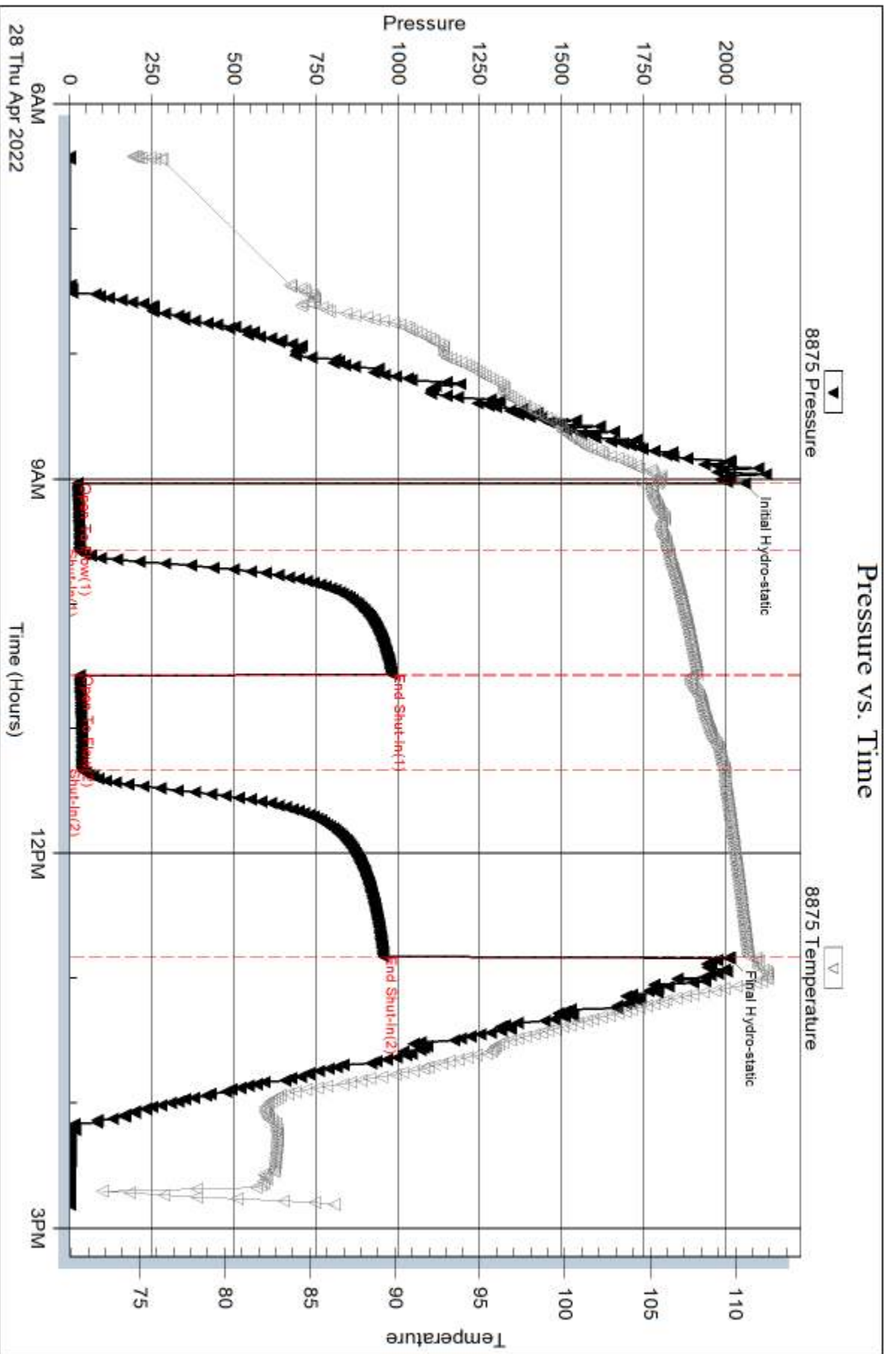
Num Gas Bombs: 0

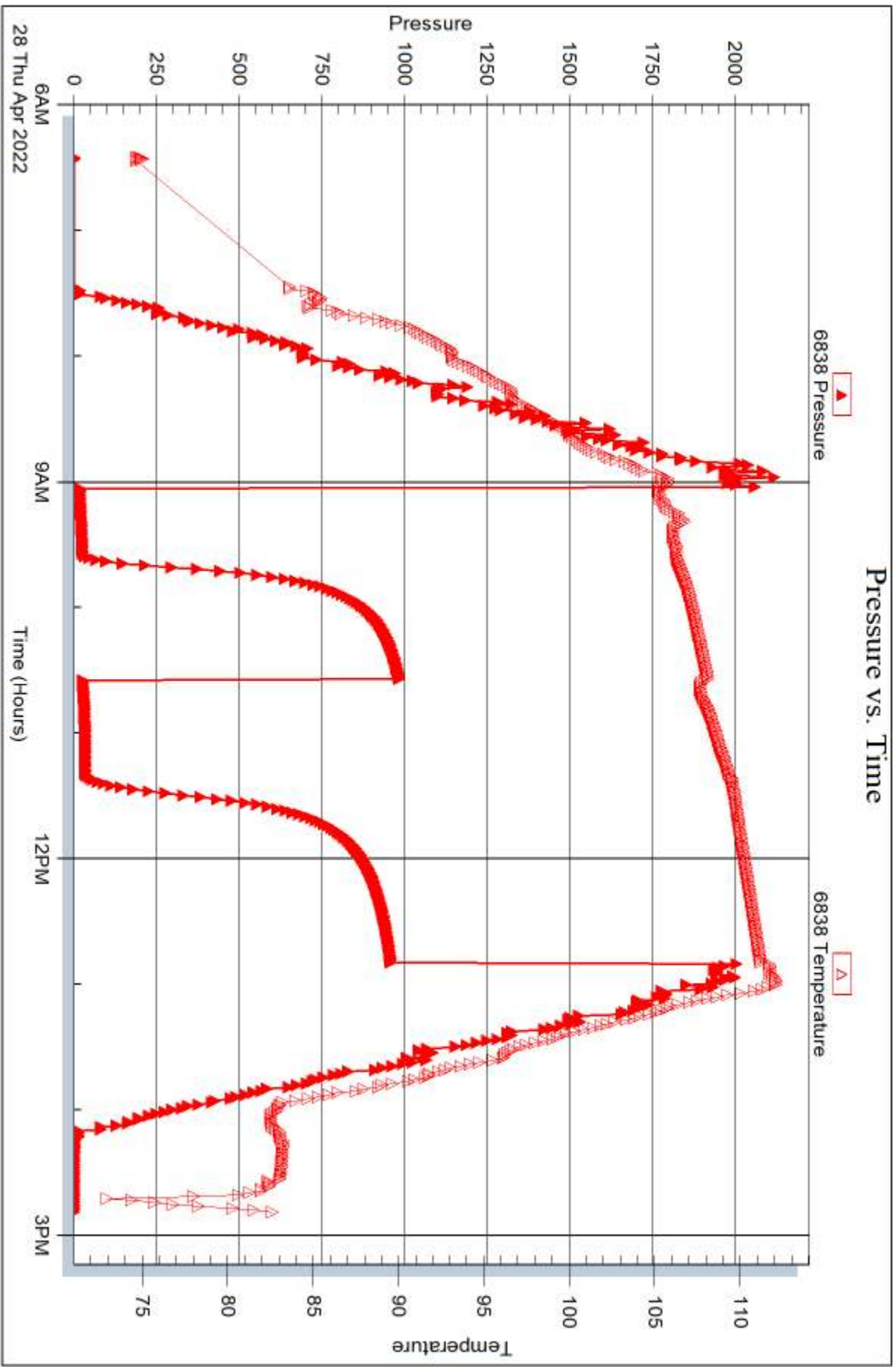
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: TrLCM







DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

6121 S 58th St STE B
Lincoln NE 68516+3669

ATTN: Richard Hall

Reynolds #3-30

30-9s-24w Graham,KS

Start Date: 2022.04.29 @ 04:35:00

End Date: 2022.04.29 @ 12:02:07

Job Ticket #: 69031 DST #: 5

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

Printed: 2022.05.03 @ 17:06:35



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

ATTN: Richard Hall

Job Ticket: 69031

DST#: 5

Test Start: 2022.04.29 @ 04:35:00

GENERAL INFORMATION:

Formation: **KC K-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:02:57

Time Test Ended: 12:02:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4084.00 ft (KB) To 4123.00 ft (KB) (TVD)

Reference Elevations: 2555.00 ft (KB)

Total Depth: 4123.00 ft (KB) (TVD)

2548.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8875

Inside

Press@RunDepth: 37.63 psig @ 4087.00 ft (KB)

Capacity: psig

Start Date: 2022.04.29

End Date:

2022.04.29

Last Calib.:

2022.04.29

Start Time: 04:35:01

End Time:

12:02:07

Time On Btm:

2022.04.29 @ 07:02:37

Time Off Btm:

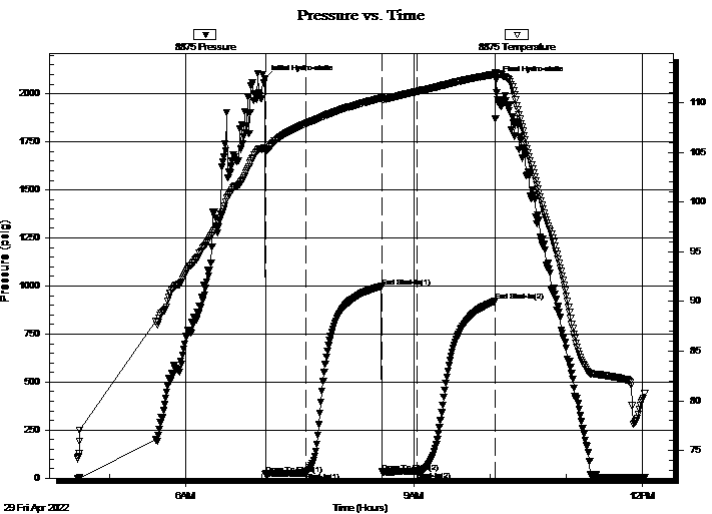
2022.04.29 @ 10:04:41

TEST COMMENT: 30-IF-Surface Died

60-ISI-No Return

30-FF-No Blow

60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.90	105.39	Initial Hydro-static
1	21.04	105.08	Open To Flow (1)
32	27.97	107.87	Shut-In(1)
92	997.38	110.42	End Shut-In(1)
93	32.08	110.29	Open To Flow (2)
121	37.63	111.12	Shut-In(2)
182	920.44	112.87	End Shut-In(2)
183	2070.28	112.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	MW 30%M 70%W	0.10
5.00	Clean Oil 100%O	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

Job Ticket: 69031

DST#: 5

ATTN: Richard Hall

Test Start: 2022.04.29 @ 04:35:00

Tool Information

Drill Pipe:	Length: 3945.00 ft	Diameter: 3.82 inches	Volume: 55.92 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	83000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
			- bbl	String Weight: Initial	66000.00 daN
Drill Pipe Above KB:	10.00 ft			Final	66000.00 daN
Depth to Top Packer:	4084.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	39.00 ft				
Tool Length:	71.00 ft				
Number of Packers:	1	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4053.00	
Shut In Tool	5.00			4058.00	
Hydraulic tool	5.00			4063.00	
Jars	5.00			4068.00	
Gap Sub	4.00			4072.00	
Safety Joint	3.00			4075.00	
Packer	5.00			4080.00	32.00 Bottom Of Top Packer
Packer	4.00			4084.00	
Stubb	1.00			4085.00	
Perforations	1.00			4086.00	
Change Over Sub	1.00			4087.00	
Recorder	0.00	6838	Inside	4087.00	
Recorder	0.00	8875	Inside	4087.00	
Drill Pipe	31.00			4118.00	
Change Over Sub	1.00			4119.00	
Perforations	1.00			4120.00	
Bullnose	3.00			4123.00	39.00 Bottom Packers & Anchor
Total Tool Length:	71.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc

30-9s-24w Graham,KS

6121 S 58th St STE B
Lincoln NE 68516+3669

Reynolds #3-30

Job Ticket: 69031

DST#: 5

ATTN: Richard Hall

Test Start: 2022.04.29 @ 04:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

87000 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	MW 30%M 70%W	0.098
5.00	Clean Oil 100%O	0.025

Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.075@80F

Serial #: 8875

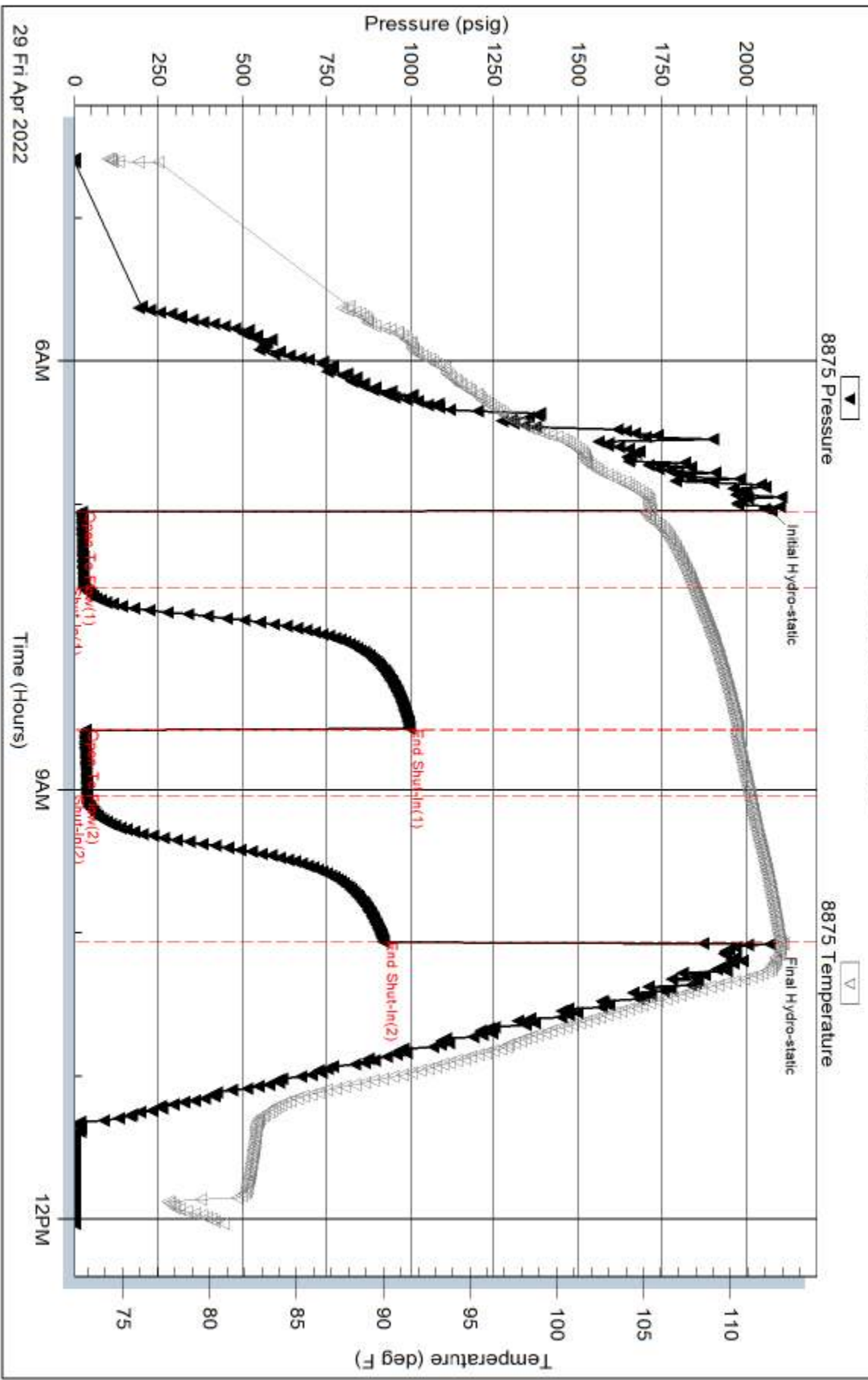
Inside

Great Plains Energy Inc

Reynolds #3-30

DST Test Number: 5

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 69031

Printed: 2022.05.03 @ 17:06:36

Serial #: 6838

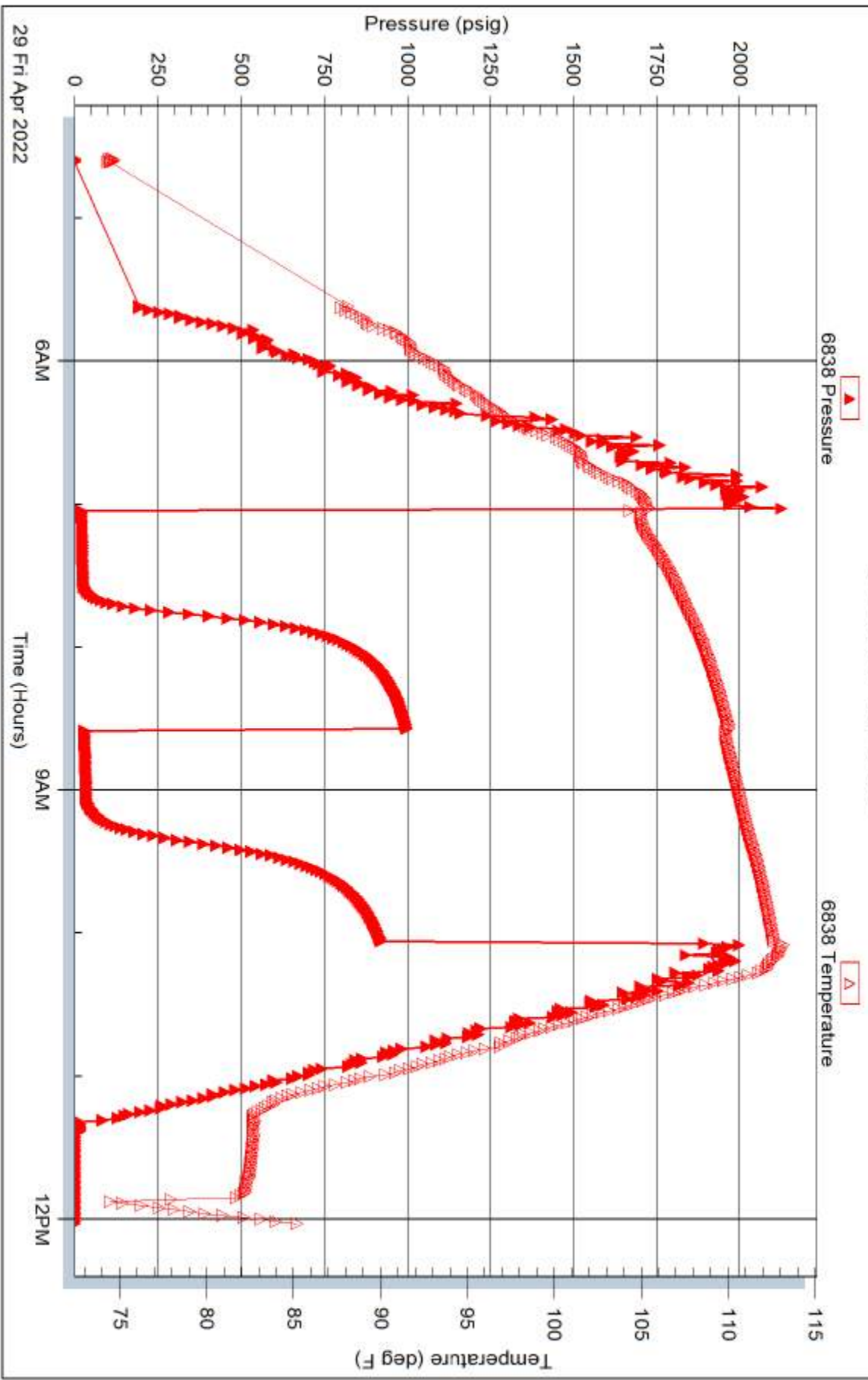
Inside

Great Plains Energy Inc

Reynolds #3-30

DST Test Number: 5

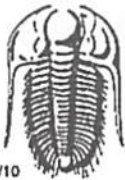
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 69031

Printed: 2022.05.03 @ 17:06:37



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **69027**

4/10

Well Name & No. Reynolds # 3-30 Test No. 1 Date 04/25/2022
 Company Great Plains Energy Inc Elevation 2535 KB 2548 GL
 Address 6121 S 58th St STE B Lincoln NE 68516 + 3669
 Co. Rep / Geo. Rick Hall Rig 57P #2
 Location: Sec. 30 Twp 9S Rge. 24W Co. Graham State KS

Interval Tested 3915'-3946' Zone Tested LHC C-D
 Anchor Length 31' Drill Pipe Run 3784' Mud Wt. 9.0
 Top Packer Depth 3910' Drill Collars Run 117' Vis 48
 Bottom Packer Depth 3915' Wt. Pipe Run — WL 3.4
 Total Depth 3946' Chlorides 1.500 ppm System LCM 72

Blow Description 17-Surface to 1/2" ; Dried
1st- No Return
77- No Blow
7st- No Return

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

Rec Total 3' BHT 110° Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>1966</u>	<input checked="" type="checkbox"/> Test <u>1800</u>	T-On Location <u>04:55</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>14:00</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint <u>—</u>	T-Open <u>18:06</u>
(D) Initial Shut-In <u>143</u>	<input type="checkbox"/> Circ Sub <u>—</u>	T-Pulled <u>21:06</u>
(E) Second Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Hourly Standby <u>29</u> 9.25h 925	T-Out <u>23:17</u>
(F) Second Final Flow <u>25</u>	<input checked="" type="checkbox"/> Mileage <u>12417</u> 186	Comments <u>1st short trip was slow; had to short trip again; new rig + tools</u>
(G) Final Shut-In <u>111</u>	<input type="checkbox"/> Sampler <u>—</u>	<input checked="" type="checkbox"/> EM Tool <u>—</u>
(H) Final Hydrostatic <u>1951</u>	<input type="checkbox"/> Straddle <u>—</u>	<input type="checkbox"/> Ruined Shale Packer <u>—</u>

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

Sub Total 3211 MP/DST Disc't —

Approved By _____ Our Representative JJ Jacobs *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. **69028**

Well Name & No. Reynolds #.3-30 Test No. 2 Date 04/26/2022
 Company Great Plains Energy Inc Elevation 2335 KB 2548 GL
 Address 6121 S 58th St STE B Lincoln NE 68516+3669
 Co. Rep / Geo. Rich Hall Rig S7P #2
 Location: Sec. 30 Twp 9A Rge. 24W Co. Nebraska State NE

Interval Tested 3962' - 3986' Zone Tested Lans E+7
 Anchor Length 24' Drill Pipe Run 3848' Mud Wt. 9.2
 Top Packer Depth 3957' Drill Collars Run 117' Vis 59
 Bottom Packer Depth 3962' Wt. Pipe Run - WL 8.4
 Total Depth 3986' Chlorides 2100 ppm System LCM Cr

Blow Description 87- Surface to 1"
88- No Return

77- Surface to 3 1/4"

78- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>87</u>	<u>G40CM</u>	<u>20</u>	<u>95</u>	<u>95</u>	<u>95</u>
<u>30</u>	<u>G10</u>	<u>30</u>	<u>70</u>		
	<u>90' GIP</u>	<u>100</u>			

Rec Total 117' BHT 115° Gravity 35° API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2001 Test 1800 T-On Location 10:10
 (B) First Initial Flow 17 Jars 300 T-Started 10:32
 (C) First Final Flow 47 Safety Joint T-Open 13:05
 (D) Initial Shut-In 584 Circ Sub T-Pulled 17:35
 (E) Second Initial Flow 47 Hourly Standby(x) 1hr 100 T-Out 19:52
 (F) Second Final Flow 63 Mileage 124.17 186 Comments slow tripping
 (G) Final Shut-In 584 Sampler
 (H) Final Hydrostatic 1994 Straddle EM Tool 0
 Shale Packer Ruined Shale Packer
 Extra Packer Ruined Packer
 Extra Recorder Extra Copies
 Day Standby Sub Total 0
 Accessibility Total 2386
 Sub Total 2386 MP/DST Disc't

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 120

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. 69029

Well Name & No. Reynolds #3-30 Test No. 3 Date 04/27/2022
 Company Great Plains Energy Inc Elevation 2555 KB 2548 GL
 Address 6121 S. 58th St STE B Lincoln NE 68516 + 3669
 Co. Rep / Geo. Rich Hall Rig S7P#2
 Location: Sec. 30 Twp 9s Rge. 24w Co. Archer State KS

Interval Tested 4042'-4071' Zone Tested LAC 2
 Anchor Length 29' Drill Pipe Run 3911' Mud Wt. 9.1
 Top Packer Depth 4037' Drill Collars Run 117' Vls 65
 Bottom Packer Depth 4042' Wt. Pipe Run - WL 8.0
 Total Depth 4071' Chlorides 2500 ppm System LCM 7/2

Blow Description 77 Surface; Died
68 - No Return
77 Surface; Died
98 - No Return

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

Rec Total 10' BHT 112° Gravity - API RW - @ - °F Chlorides - ppm
 (A) Initial Hydrostatic 2039 Test 1950 T-On Location 10:35
 (B) First Initial Flow 23 Jars 300 T-Started 13:00
 (C) First Final Flow 25 Safety Joint T-Open 16:20
 (D) Initial Shut-In 136 Circ Sub T-Pulled 19:20
 (E) Second Initial Flow 26 Hourly Standby 1 .75h 75 T-Out 21:23
 (F) Second Final Flow 29 Mileage 124.27 186 Comments had to short trip
 (G) Final Shut-In 50 Sampler
 (H) Final Hydrostatic 2010 Straddle EM Tool 0

Initial Open 30 Shale Packer Ruined Shale Packer
 Initial Shut-In 60 Extra Packer Ruined Packer
 Final Flow 30 Extra Recorder Extra Copies
 Final Shut-In 60 Day Standby Sub Total 0
 Sub Total 2511 Total 2511 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. 69030

Well Name & No. Reynolds #3-30 Test No. 4 Date 04/28/2022
 Company Great Plains Energy Inc Elevation 2555 KB 2548 GL
 Address 6121 S. 58th St STE B Lincoln NE 68516-13669
 Co. Rep / Geo. Rich Hall Rig 57P#2
 Location: Sec. 30 Twp 9A Rge. 24W Co. Nebraska State KS

Interval Tested 4064' - 4088' Zone Tested KC J
 Anchor Length 24' Drill Pipe Run 3943 Mud Wt. 9.1
 Top Packer Depth 4059' Drill Collars Run 117' Vis 65
 Bottom Packer Depth 4064' Wt. Pipe Run - WL 8.0
 Total Depth 4088' Chlorides 2500 ppm System LCM 71

Blow Description 17- Surface to 1/2"; Dried
25'- No Return
77'- No Blow
78'- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OSM</u>			<u>100</u>	

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

(A) Initial Hydrostatic 2058 Test 1950 T-On Location 06:00
 (B) First Initial Flow 23 Jars 300 T-Started 06:25
 (C) First Final Flow 31 Safety Joint _____ T-Open 09:00
 (D) Initial Shut-In 980 Circ Sub _____ T-Pulled 12:45
 (E) Second Initial Flow 30 Hourly Standby _____ T-Out 14:46
 (F) Second Final Flow 39 Mileage 12427 186 Comments _____
 (G) Final Shut-In 955 Sampler _____
 (H) Final Hydrostatic 2011 Straddle _____ EM Tool 0
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 2436
 Sub Total 2436 MP/DST Disc't _____

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

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. 69031

Well Name & No. Reynolds #3-30 Test No. 5 Date 04/29/2022
 Company Great Plains Energy Inc Elevation 2535 KB 2548 GL
 Address 6121 S. 58th St STE B Lincoln NE 68516+3669
 Co. Rep / Geo. Rich Hall Rig 57P #2
 Location: Sec. 30 Twp 9S Rge. 24W Co. DeWberry State KS

Interval Tested 4084'-4123' Zone Tested KC K+L
 Anchor Length 39' Drill Pipe Run 3945' Mud Wt. 9.2
 Top Packer Depth 4079' Drill Collars Run 117' Vis 68
 Bottom Packer Depth 4084' Wt. Pipe Run - WL 8.4
 Total Depth 4123 Chlorides 2600 ppm System LCM -

Blow Description 77-Surface, Dried
55- No Return
77- No Blow
78- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>9120</u>		<u>70</u>	<u>30</u>	
<u>5</u>	<u>60</u>		<u>100</u>		

Rec Total 25' BHT 112° Gravity 36° API RW .075 @ 88 °F Chlorides 87,000 ppm
 (A) Initial Hydrostatic 2075 Test 1950 T-On Location 02:46
 (B) First Initial Flow 21 Jars 300 T-Started 04:35
 (C) First Final Flow 27 Safety Joint _____ T-Open 07:01
 (D) Initial Shut-In 997 Circ Sub _____ T-Pulled 10:01
 (E) Second Initial Flow 32 Hourly Standby _____ T-Out 12:00
 (F) Second Final Flow 37 Mileage 12427 186 Comments _____
 (G) Final Shut-In 920 Sampler _____
 (H) Final Hydrostatic 2070 Straddle _____ EM Tool 0
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60
 Sub Total 2436
 Total 2436
 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

71730

FRANKS Oilfield Service, LLC

Invoice

815 Main Street
Victoria, KS 67671

Office (785) 639-3949
24 Hour Service Line (785) 639-7269

Email: franksoilfield@yahoo.com

Date	Invoice #
4/14/2022	0563

Please Pay from this Invoice.
Remit Payment to:
815 Main Street
Victoria, KS 67671
Billing Questions-Call Tianna at
(785) 639-3949

Bill To
Great Plains Energy, Inc. 6121 S 58th Street Ste. B Lincoln, NE 68516

County/State	Lease/Well#	Terms	Job Type
Graham County, KS	Reynolds 3-30	Net 30	Surface

Description	Quantity	Rate	Amount
Pump Charge	1	1,150.00	1,150.00
Mileage	35	6.50	227.50
Ton Mileage (min.)	1	600.00	600.00
Surface Blend	170	24.50	4,165.00
Discount		-921.37	-921.37
<i>Cement Surface Pipe</i>			
<i>Thank you!</i>			

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.	Subtotal	\$5,221.13
<i>We appreciate your business and look forward to serving you again!</i>	Sales Tax (7.5%)	\$265.52
	Balance Due	\$5,486.65

FRANKS Oilfield Service

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

TICKET NUMBER 0563
 LOCATION Hoxie
 FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-14-22	33629	Reynolds 3-30	30	9	24 W	Graham
CUSTOMER <u>Great Plains Energy Inc.</u>			TRUCK #			
MAILING ADDRESS <u>6121 S 58th St Ste B</u>			DRIVER			
CITY <u>Lincoln</u>			TRUCK #			
STATE <u>NE</u>			DRIVER			
ZIP CODE <u>68516</u>			TRUCK #			
			DRIVER			

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 245' CASING SIZE & WEIGHT 5 1/2" 23#
 CASING DEPTH 245' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.4 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 14 Bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS Safety meeting + set up on STP#2. Circulated mud.
Mix 170 back see Pore blend. Displaced 14 Bbl + shut in.
Leak did circulate
Plug down 6:00
 Thanks Tom & Jack

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
P1002	1	PUMP CHARGE <u>Surface</u>	\$1150.00	\$1150.00
M001	35	MILEAGE	\$65.00	\$2275.00
M002	8.39 cons	Tan Mileage delivery	\$600.00	\$600.00
CB004	170 sacks	Class A 39cc 290 gel	\$245.00	\$4165.00
			sub total	\$6,142.50
			less 15% disc.	\$921.37
			sub total	\$5,221.13
			SALES TAX	265.52
			ESTIMATED TOTAL	5486.65

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 account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

71730



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
4/30/2022	34118

BILL TO
Great Plains Energy, Inc. 6121 South 58th Street Suite B Lincoln, NE 68516

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3-30	Reynolds	Graham	STP	Oil	Development	Top/Btm Longstr...	David E

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	60	Miles	6.00	360.00
579D	Pump Charge - Two-Stage & Top To Bottom LongString	1	Job	2,050.00	2,050.00
290	D-Air	7	Gallon(s)	42.00	294.00T
281	Mud Flush	500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)	2	Gallon(s)	25.00	50.00T
403-5	5 1/2" Cement Basket	3	Each	275.00	825.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	325.00	325.00T
409-5	5 1/2" Turbolizer	8	Each	90.00	720.00T
411-5	5 1/2" Recipo Scratcher	12	Each	45.00	540.00T
329-8	60/40 Pozmix (8% Gel)	470	Sacks	12.00	5,640.00T
325	Standard Cement	150	Sacks	14.50	2,175.00T
279	Bentonite Gel	3	Sack(s)	30.00	90.00T
283	Salt	800	Lb(s)	0.25	200.00T
292	Halad 322	100	Lb(s)	8.50	850.00T
276	Flocele	150	Lb(s)	3.00	450.00T
581D	Service Charge Cement	620	Sacks	2.00	1,240.00
583D	Drayage	1,601	Ton Miles	1.00	1,601.00
	Subtotal				18,410.00
	Sales Tax Graham County			7.50%	986.93
	<i>Cement Production casing</i>				

We Appreciate Your Business!	Total	\$19,396.93
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AM



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 34118

CUSTOMER: Great Plains Energy
WFO: Reynolds
DATE: 4/30/22
PAGE: 2 OF 3

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DT								
329-8		Z				60/40 Pozmix 8% Gel	470	SK			12.50	5840.00
325		Z				STRADBACK Cement	150	SK			14.50	2175.00
279		Z				Ben-tonite Gel	3	SK			30.00	90.00
283		Z				SALT	800	LBS			25.00	2000.00
292		Z				HAARD - 322	100	LBS			8.50	850.00
276		Z				Flocele	150	LBS			3.00	450.00
581		Z				Cement	620	SK			2.00	1240.00
583		Z				MILEAGE CHARGE	53379	LOADED MILES	60	TON MILES	1601	1601.00

CONTINUATION TOTAL 12246.00

JOB LOG

SWIFT Services, Inc.

CUSTOMER Great Plains WELL NO. 3-30 LEASE Reynolds JOB TYPE TOP TO Bottom TICKET NO. 34118

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							ON location
								CSG - 5 1/2
								RFD - 4185 LTD - 4183
								SET @ 4184'
								SHOE - 21'
								CENTRALIZERS - 1, 3, 5, 7, 9, 11, 45, 70
								BASKETS - 20, 46, 71
								SCRATCHERS - 2, 3, 4, 5, 6 2 EA
	1715							START Running CSG
	1900							Break circ on Bottom
	2000	2.5	8			0		Plug rat hole - 30 sx
		6	12			300		pump MUD FLUSH
		6	20			300		pump KIL SPACER
		6	0					START CMT - 440 sx 60/40 @ 12 ^{ppg}
		6	155					Switch to 150 sx STD @ 14.7 ^{ppg}
		4	191					END CMT
								Drop plug - wash p&L
	2100	7.5	0			300		START Disp
		7.5	65			1000		circ cmt -
	2115	6	44			1300		Land plug @ 1800 psi
								Release Psi - Dry
								JOB COMPLETE
								CIRCULATED 75 SX CMT TO PIT
								THANKS
								DAVID, SETH, DUSTY & JOHN



WHITEHALL EXPLORATION

87 De France Way • Golden, Colorado • (303) 279-6894
421-4704

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

OPERATOR GREAT PLAINS ENERGY, INC.
LEASE REYNOLDS WELL NO. 3-30
FIELD _____
LOCATION NW-NW-SW
SEC. 30 TWP. 9S RGE. 24W
COUNTY GRAHAM STATE KS

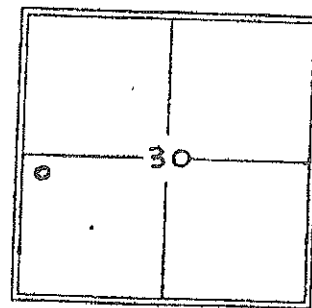
ELEVATION
KB 2,555'
DF _____
GL 2,548'
Measurements Are All
From KB

CASING RECORD
SURFACE 8 5/8" @ 245'
PRODUCTION 5 1/2" @ 4,184'

CONTRACTOR STP DRILLING - RIG 2
COMM: APRIL 14, 2022 COMP: APRIL 30, 2022
RTD 4,185' LOG TD 4,185' (-1630)
SAMPLES SAVED FROM 3,600' TO 4,185'
DRILLING TIME KEPT FROM 3,600' TO 4,185'
SAMPLES EXAMINED FROM 3,600' TO 4,185'
GEOLOGICAL SUPERVISION FROM 3,600' TO 4,185'
MUD UP 3,219' TYPE MUD CHEMICAL
WELL SITE GEOLOGIST RICHARD J. HALL, CPG #5820

ELECTRICAL SURVEYS
- ELI
- DUAL INDUCTION
- COMP. NEUTRON/DENSITY
- MICROLOG

FORMATION	LOG		SAMPLE		STRUCT. COMP.
	TOP	DATUM	TOP	DATUM	
S.C. ANHYDRITE	2221	+334	2222		-5
TOPEKA	3638	-1083	3640		-10
HEESNER SH.	3858	-1303	3861		-11
LANSING	3892	-1337	3893		-10
MUNCIE CK. SH.	4021	-1466	4023		-10
'H' ZONE	4035	-1480	4038		-11
BKC	4127	-1572	4129		-13



REFERENCE WELL FOR STRUCTURAL COMPARISON: GREAT PLAINS ENERGY,
REYNOLDS NO. 1-30, N/2-N/2-SW-SEC. 30-T9S-R24W,
GRAHAM CO., KS (KB 2571') - DRILLED 9/19/2017 -

