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 # 35965
Name: High Plains Resources LLC
Address 1: 600 17TH ST SUITE 2800S
Address 2:
City: DENVER State: CO Zip: 80202 + 5428
Contact Person: Gil Guethlein
Phone: (303) 647-1738
CONTRACTOR: License # 35992
Name: White Mountain Operating, LLC
Wellsite Geologist: King Canyon Buffalo
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 #:

11/1/2022	1/23/2023	1/23/2023
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-127-20605-00-00
Spot Description:
NE - SW - SW - SE Sec. 21 Twp. 14 S. R. 6 ☑ East ☐ West
335 Feet from ☐ North / ☑ South Line of Section
2305 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)*, Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Morris
Lease Name: STENSTROM Well #: 23-21
Field Name:
Producing Formation: Simpson
Elevation: Ground: 1408 Kelly Bushing: 11
Total Vertical Depth: 3178 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 401 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: 1500 ppm Fluid volume: 1200 bbls
Dewatering method used: Evaporated
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: 02/22/2023
☐ **Confidential Release Date:** 02/21/2025
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** David Befort **Date:** 02/22/2023

Page Two

Operator Name: High Plains Resources LLC Lease Name: STENSTROM Well #: 23-21

Sec. 21 Twp. 14 S. R. 6 ☑ East ☐ West County: Morris

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Geologist Report / Mud Logs ☑ Yes ☐ No

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Conductor	20	16	42	80	Class A	42	None
Surface	12.25	8.625	28	435	Class A	250	2% Gel, 3% CC
Production	6	4.5	10.5	3178	Class A	230	3% CC, 2% Gypsum, 2% Sodium Metasi

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
____ Perforate ____ Protect Casing ____ Plug Back TD ____ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL: Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*		

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
TUBING RECORD:	Size:	Set At:	Packer At:		

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	High Plains Resources LLC
Well Name	STENSTROM 23-21
Doc ID	1692336

All Electric Logs Run

Gamma Ray
Neutron
Density
Resistivity
Sonic

Form	ACO1 - Well Completion
Operator	High Plains Resources LLC
Well Name	STENSTROM 23-21
Doc ID	1692336

Tops

Name	Top	Datum
Heebner	1344	KB
Douglas	1400	KB
Lansing	1554	KB
Kansas City	1670	KB
Mississippian	2068	KB
Kinderhook	2194	KB
Hunton	2368	KB
Maquoketa	2620	KB
Viola	2704	KB
Simpson	2810	KB
Arbuckle	2894	KB
Precambrian	2976	KB

Form	ACO1 - Well Completion
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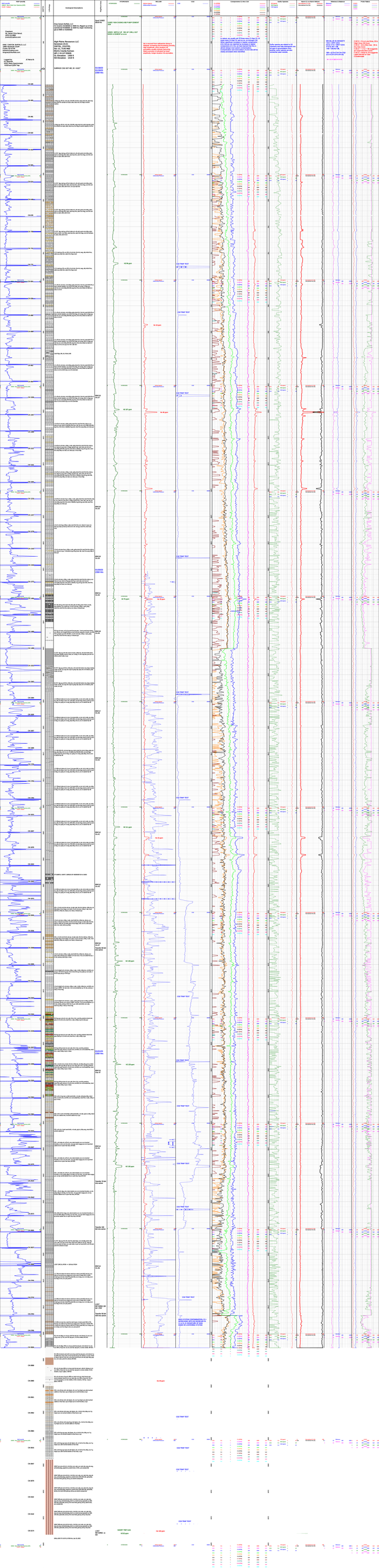
Well Name	STENSTROM 23-21
Doc ID	1692336

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	20	16	42	80	Class A	42	None
Surface	12.25	8.625	28	435	Class A	250	2% Gel, 3% CC
Production	6	4.5	10.5	3178	Class A	230	3% CC, 2% Gypsum, 2% Sodium Metasilicate, 0.25lb/sack LCM


TOP DEPTH
BOTTOM DEPTH
Geological Interpretations
Depth
Lithology
Formation
STORMDRAIN
HELIUM
CO2
Components CO Mol.%
Sulfur Species
Helium Concentration
Helium in Natural
Fluids Radon
High Plains Resources LLC
Operator: 23123
Well: CENTER SUPPLY
Field: 0
Location: 0
County: 0
State: 0
Country: 0
Elevation: 0
KB: 0
CO2 TRAP TEST
HELIUM TEST
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HE 9970 ppm
HE 9980 ppm
HE 9990 ppm
HE 10000 ppm

HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:

KXP RESOURCES LLC
7251 SAWMILL RD
STE 100
DUBLIN, OH 43016

Invoice Date:	2/2/2023
Invoice #:	0366334
Lease Name:	Stenstrom
Well #:	23-21 (New)
County:	Geary, Ks
Job Number:	EP7402
District:	East

Date/Description	HRS/QTY	Rate	Total
Longstring	0.000	0.000	0.00
Heavy Eq Mileage	120.000	4.000	480.00
Light Eq Mileage	120.000	2.000	240.00
Ton Mileage	1,470.000	1.500	2,205.00
Cement Pump Service	1.000	2,500.000	2,500.00
Cement Plug Container	1.000	250.000	250.00
Cement Blending & Mixing	230.000	1.400	322.00
H-CON	230.000	30.000	6,900.00
KOL Seal	1,150.000	0.750	862.50
Pheno Seal	230.000	1.750	402.50
Mud flush	500.000	1.000	500.00
Sugar	100.000	3.000	300.00
4 1/2" Centralizers	25.000	60.000	1,500.00
4 1/2" Guide Shoe	1.000	175.000	175.00
4 1/2" Float Collar	1.000	400.000	400.00
4 1/2" LD Plug & Baffle	1.000	275.000	275.00
4 1/2" Rubber Plug	1.000	75.000	75.00
Threadlock Compount kit	1.000	100.000	100.00
Senior Supervisor	1.000	800.000	800.00

Total 18,287.00

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!

Hurricane Services, Inc.
250 N. Water St., Suite #200
Wichita, KS 67202

Customer	High Plains Resources	Lease & Well #	Stenstrom #23-21			Date	2.2.2023
Service District	Garnett	County & State	Geary - KS	Legals S/T/R		Job #	
Job Type	Longstring	☑ PROD ☐ INJ ☐ SWD		New Well?	☑ YES ☐ No	Ticket #	EP7402

Equipment #	Driver
97	Garrett S.
209	Nick B.
248	T/C

Job Safety Analysis - A Discussion of Hazards & Safety Procedures

☑ Hard hat	☑ Gloves	☐ Lockout/Tagout	☐ Warning Signs & Flagging
☑ H2S Monitor	☑ Eye Protection	☑ Required Permits	☐ Fall Protection
☑ Safety Footwear	☑ Respiratory Protection	☑ Slip/Trip/Fall Hazards	☑ Specific Job Sequence/Expectations
☑ FRC/Protective Clothing	☐ Additional Chemical/Acid PPE	☑ Overhead Hazards	☑ Muster Point/Medical Locations
☑ Hearing Protection	☑ Fire Extinguisher	☐ Additional concerns or issues noted below	

Comments

Set 4.5" casing in 6.5" mud drilled hole. Water furnished by the rig.

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
M010	Heavy Equipment Mileage	mi	120.00			$480.00
M015	Light Equipment Mileage	mi	120.00			$240.00
M020	Ton Mileage	tm	1,470.00			$2,205.00
C020	Cement Pump Service	ea	1.00			$2,500.00
C050	Cement Plug Container	job	1.00			$250.00
C060	Cement Blending & Mixing Service	sack	230.00			$322.00
CP025	H-Con	sack	230.00			$6,900.00
CP110	Kol Seal	lb	1,150.00			$862.50
CP125	Pheno Seal	lb	230.00			$402.50
CP170	Mud Flush	gal	500.00			$500.00
CP180	Sugar	lb	100.00			$300.00
FE040	4 1/2" Centralizers	ea	25.00			$1,500.00
FE060	4 1/2" Guide Shoe	ea	1.00			$175.00
FE071	4 1/2" Float Collar - AFU Flapper Style	ea	1.00			$400.00
FE095	4 1/2" Latch Down Plug & Baffle	ea	1.00			$275.00
FE115	4 1/2" Rubber Plug	ea	1.00			$75.00
FE375	Thread Lock Compound Kit	ea	1.00			$100.00
R060	Senior Supervisor	day	1.00			$800.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Based on this job, how likely is it you would recommend HSI to a colleague?

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10

		Net:	$18,287.00
Total Taxable	$ -	Tax Rate:	
		Sale Tax:	$ -
		Total:	$ 18,287.00

State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.

HSI Representative: *Garrett Scott*

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results fom the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well informaiton in determining taxable services.

X_____ **CUSTOMER AUTHORIZATION SIGNATURE**

CEMENT TREATMENT REPORT

Customer:	High Plains Resources	Well:	Stenstrom #23-21	Ticket:	EP7402
City, State:		County:	Geary - KS	Date:	2.2.2023
Field Rep:	Jennifer Olsen	S-T-R:		Service:	Longstring

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	6.5 in	Blend:	H-Con	Blend:	H-Con
Hole Depth:	ft	Weight:	12.0 ppg	Weight:	14.0 ppg
Casing Size:	4 1/2 in	Water / Sx:	15.2 gal / sx	Water / Sx:	8.3 gal / sx
Casing Depth:	3178 ft	Yield:	2.60 ft^3 / sx	Yield:	1.68 ft^3 / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:	Float Collar	Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	3107 ft	Excess:	35%	Excess:	35%
Displacement:	49.4 bbls	Total Slurry:	0.0 bbls	Total Slurry:	0.0 bbls
		Total Sacks:	170 sx	Total Sacks:	60 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
			-	-	2/1/23 - CM delivered 4.5" Float Equipment to rig: x25 Centralizers; x1 Guide Shoe; x1 AFU Float Collar; x1 LD Plug & baffle;
				-	
8:00 PM				-	On location - casing was landed when we arrived - casing TD: 3178' float collar: 3107' - note: casing crew did not run
				-	LD baffle - swapped out LD plug for top rubber plug; rig up to casing; drop trip ball; break circulation with cement pump
				-	
9:50 PM	4.5	200.0		-	Circulate casing for 15 minutes;
	4.5	200.0	32.0	32.0	Switch to fresh water; pump 10 bbl fresh water; mix & pump 12 bbl mud flush; and 10 bbl fresh water spacer;
	4.5	200.0	79.0	111.0	Mix 170 sxs HCon at 12.0 ppg (2.6Y) - 79 bbl slurry; gradually increase slurry density over last 20 sxs to get to tail weight;
	4.5	200.0	18.0	129.0	Mix 60 sxs HCon at 14.0 ppg (1.68Y) - 18 bbl slurry;
				129.0	Knock off and switched valves
10:43 PM	4.5	200.0		129.0	Drop plug; start displacement
	1.0	800.0	49.4	178.4	Catch lift pressure 800PSI; slow rate and land plug on time - 2 bbl of good cement back to pit
10:56 PM				178.4	Bump plug to 1500#, everything held, release back to truck, no returns, float held
				178.4	Wash up truck and lines; rig down
				178.4	No RH or MH to plug
11:30 PM					Left location

	CREW	UNIT
Cementer:	Garrett S.	97
Pump Operator:	Nick B.	209
Bulk #1:	T/C	248
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.9 bpm	300 psi	178 bbls

White Mountain Operating
Bringing Excellence to the Surface

INVOICE NO
940-0200

White Mountain Operating, LLC
PO Box 2353
Pinedale, WY 82941
Phone: (307) 367-3800
Fax: (307) 367-3805

SOLD TO
KXP Resources, LLC
C/O EAG 1 Source/Pepper Well
2628 Highway 36 S, PMB 283
Brenham, TX 77833-9616

SHIP TO
KXP_252KS_STENSTROM

ACCOUNT NO	AFE NUMBER	COST CODE	DATE SHIPPED	TERMS	INVOICE DATE	PAGE
KXPRES				Net 30	11/1/2022	1

Stenstrom
Rig 940

ITEM NO	QUANTITY	DESCRIPTION	UNIT PRICE	EXTENDED
	1	Bid price to set 6x5' cellar, 80' of 16" conductor. Cement conductor and cellar floor	21,900.00	21,900.00*
	1	Fuel Surcharge	300.00	300.00*

Thank You for your business!
3.75% fee will be added to Credit Card Payments

TOTAL AMOUNT **22,200.00**

* means item is non-taxable

White Mountain Operating
Bringing Excellence to the Surface
P. O. Box 2353 • 43 Industrial Site Ext. Road
Pinedale, Wyoming 82941-2353
(307) 367-3800 Office • (307) 367-3805 Fax

Date: Nov. 01, 2022 **Field Ticket:** 940-0200

Company: High Plains Resources, LLC **Address:** 600 17th St., Suite 2800 S., Denver, CO 80202

Well #: Stenstrom **Rig#:** 940

WMO AFE#: KXP_252KS_Stenstrom

Description of Services:	Total:
Bid price to set 6'x5' cellar, 80' of 16" conductor, Cement conductor and cellar floor	$ 21,900.00
Fuel Surcharge: $300.00	$ 300.00
	$
	$
	$
	$
	$
	$
	$
	$
	$
Customer AFE:	**Total:** $ 22,200.00

Operator: Kasey Converse **Approved By:**

HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:

KXP RESOURCES LLC
7251 SAWMILL RD
STE 100
DUBLIN, OH 43016

Invoice Date:	1/18/2023
Invoice #:	0365964
Lease Name:	Stenstrom
Well #:	23-21 (New)
County:	Geary, Ks
Job Number:	EP7283
District:	East

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Heavy Eq Mileage	120.000	4.000	480.00
Light Eq Mileage	120.000	2.000	240.00
Ton Mileage	1,485.000	1.500	2,227.50
Cement Pump Service	1.000	1,500.000	1,500.00
Cement Plug Container	1.000	250.000	250.00
Cement Blending & Mixing	250.000	1.400	350.00
High Overhead Connection Chg	1.000	500.000	500.00
H-325	250.000	22.500	5,625.00
Senior Supervisor	1.000	800.000	800.00
8 5/8" Centralizer x 12 1/4"	5.000	90.000	450.00
8 5/8" Top rubber plug	1.000	175.000	175.00
8 5/8" Float Shoe-AFU	1.000	900.000	900.00

Total 13,497.50

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!

Hurricane Services, Inc.
250 N. Water St., Suite #200
Wichita, KS 67202

Customer	High Plains Resources	Lease & Well #	Stenstrom, 23-21			Date	1/18/2023
Service District	Garnett	County & State	Geary, KS	Legals S/T/R		Job #	
Job Type	Surface	☑ PROD ☐ INJ ☐ SWD		New Well?	☑ YES ☐ No	Ticket #	EP7283

Equipment #	Driver
97	Garrett S.
209	Nick B.
	Doug G.

Job Safety Analysis - A Discussion of Hazards & Safety Procedures

☑ Hard hat	☑ Gloves	☐ Lockout/Tagout	☐ Warning Signs & Flagging
☑ H2S Monitor	☑ Eye Protection	☐ Required Permits	☐ Fall Protection
☑ Safety Footwear	☑ Respiratory Protection	☑ Slip/Trip/Fall Hazards	☑ Specific Job Sequence/Expectations
☑ FRC/Protective Clothing	☑ Additional Chemical/Acid PPE	☑ Overhead Hazards	☑ Muster Point/Medical Locations
☑ Hearing Protection	☑ Fire Extinguisher	☐ Additional concerns or issues noted below	

Comments

Rig provided water

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
M010	Heavy Equipment Mileage	mi	120.00			$480.00
M015	Light Equipment Mileage	mi	120.00			$240.00
M020	Ton Mileage	tm	1,485.00			$2,227.50
C015	Cement Pump Service	ea	1.00			$1,500.00
C030	Cement Service - After 4 Hrs on Location	hr				
C050	Cement Plug Container	job	1.00			$250.00
C060	Cement Blending & Mixing Service	sack	250.00			$350.00
C075	High Overhead Connection Charge - Over 6 Feet	job	1.00			$500.00
CP015	H-325	sack	250.00			$5,625.00
R060	Senior Supervisor	day	1.00			$800.00
FE250	8 5/8" Centralizer	ea	5.00			$450.00
FE285	8 5/8" Rubber Plug	ea	1.00			$175.00
FE270	8 5/8" Float Shoe - AFU	ea	1.00			$900.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Based on this job, how likely is it you would recommend HSI to a colleague?

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10

Total Taxable	$ -	Tax Rate:	
		Net:	$13,497.50
		Sale Tax:	$ -
		Total:	$ 13,497.50

State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.

HSI Representative: *Garrett Scott*

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results fom the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well informaiton in determining taxable services.

X_____ **CUSTOMER AUTHORIZATION SIGNATURE**

ftv: 15-2021/01/25
mplv: 358-2023/01/23

CEMENT TREATMENT REPORT

Customer:	High Plains Resources	Well:	Stenstrom, 23-21	Ticket:	EP7283
City, State:		County:	Geary, KS	Date:	1/18/2023
Field Rep:	Jennifer Olsen	S-T-R:		Service:	Surface

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	12 1/4 in	Blend:	H-325	Blend:	
Hole Depth:	445 ft	Weight:	15.1 ppg	Weight:	ppg
Casing Size:	8 5/8 in	Water / Sx:	6.5 gal / sx	Water / Sx:	gal / sx
Casing Depth:	435 ft	Yield:	1.35 ft^3 / sx	Yield:	ft^3 / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:	Floatshoe	Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	401 ft	Excess:		Excess:	
Displacement:	bbls	Total Slurry:	0.0 bbls	Total Slurry:	0.0 bbls
		Total Sacks:	250 sx	Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
7:30 PM			-	-	On location
				-	
8:00 PM				-	Set up equipment, saftey meeting and pressure test
8:10 PM				-	Established a rate with 10 BBL of water
				-	Mixed and pumped 250sks of H-325 cement
				-	Swithced valves on the plug container, displaced the 8 5/8" rubber plug with 25 BBL of water, Cement to surface
8:45 PM				-	Shut in casing
				-	
9:30 PM				-	Washed up equipment , left location
				-	
				-	

	CREW	UNIT
Cementer:	Garrett S.	97
Pump Operator:	Nick B.	209
Bulk #1:	Doug G.	
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
0.0 bpm	- psi	- bbls

DRILL STEM TEST REPORT

Prepared For: **High Plains Resources LLC**

600 17th ST Suite 2800S
Denver CO 80202+5428

ATTN: Jennifer Olsen

Stenstrom #23-21

21-14S-6E Morris KS

Start Date: 2023.01.24 @ 17:55:00

End Date: 2023.01.25 @ 13:51:21

Job Ticket #: 70778 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.01.27 @ 08:35:13

DRILL STEM TEST REPORT

High Plains Resources LLC

600 17th ST Suite 2800S
Denver CO 80202+5428

ATTN: Jennifer Olsen

21-14S-6E Morris KS

Stenstrom #23-21

Job Ticket: 70778 **DST#: 1**

Test Start: 2023.01.24 @ 17:55:00

GENERAL INFORMATION:

Formation: **Simpson Ss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:34:37
Time Test Ended: 13:51:21

Test Type: Conventional Straddle (Initial)
Tester: Spencer J Staab
Unit No: 84

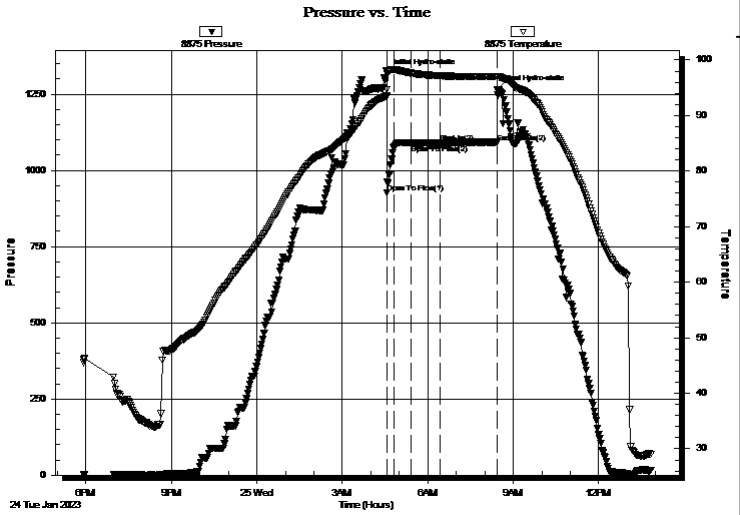
Interval: 2770.00 ft (KB) To 2906.00 ft (KB) (TVD)
Total Depth: 3178.00 ft (KB) (TVD)
Hole Diameter: 6.25 inches Hole Condition:

Reference Elevations: 1419.00 ft (KB)
1406.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8875 **Inside**

Press@RunDepth:	1091.62 psig @	2775.00 ft (KB)		Capacity:	psig
Start Date:	2023.01.24	End Date:	2023.01.25	Last Calib.:	2023.01.25
Start Time:	17:55:01	End Time:	13:51:21	Time On Btm:	2023.01.25 @ 04:33:47
				Time Off Btm:	2023.01.25 @ 08:26:57

TEST COMMENT: 15-IF-BOB in 10 secs Built to 645" before going open chamber
30-ISI-No Return
60-FF-No Blow
120-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1316.81	93.51	Initial Hydro-static
1	927.62	94.62	Open To Flow (1)
16	1076.31	98.30	Shut-In(1)
52	1091.03	97.61	End Shut-In(1)
52	1085.68	97.60	Open To Flow (2)
112	1091.62	97.14	Shut-In(2)
232	1092.32	96.96	End Shut-In(2)
234	1266.23	96.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2450.00	SMCSW 5%M 95%W	26.55

Gas Rates

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

DRILL STEM TEST REPORT

High Plains Resources LLC

600 17th ST Suite 2800S
Denver CO 80202+5428

ATTN: Jennifer Olsen

21-14S-6E Morris KS

Stenstrom #23-21

Job Ticket: 70778 **DST#: 1**

Test Start: 2023.01.24 @ 17:55:00

GENERAL INFORMATION:

Formation: **Simpson Ss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:34:37
Time Test Ended: 13:51:21

Test Type: Conventional Straddle (Initial)
Tester: Spencer J Staab
Unit No: 84

Interval: 2770.00 ft (KB) To 2906.00 ft (KB) (TVD)
Total Depth: 3178.00 ft (KB) (TVD)
Hole Diameter: 6.25 inches Hole Condition:

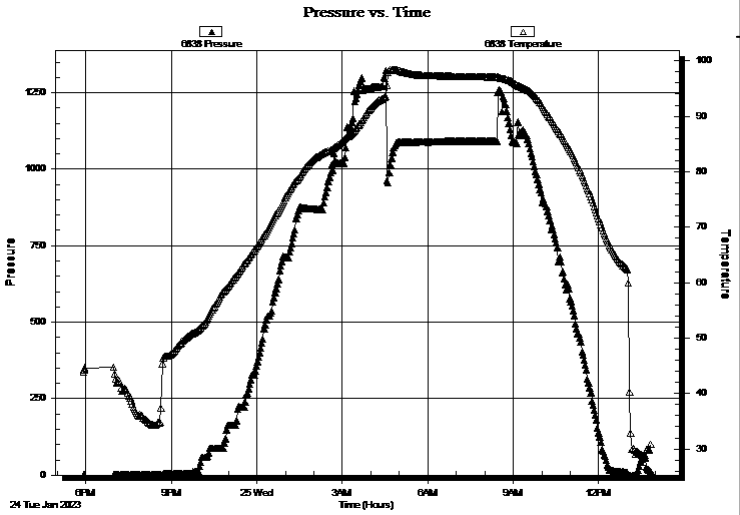
Reference Elevations: 1419.00 ft (KB)
1406.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6838 **Inside**

Press@RunDepth: psig @ 2775.00 ft (KB)
Start Date: 2023.01.24 End Date: 2023.01.25
Start Time: 17:55:01 End Time: 13:51:21

Capacity: psig
Last Calib.: 2023.01.25
Time On Btm:
Time Off Btm:

TEST COMMENT: 15-IF-BOB in 10 secs Built to 645" before going open chamber
30-ISI-No Return
60-FF-No Blow
120-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2450.00	SMCSW 5%M 95%W	26.55

Gas Rates

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

DRILL STEM TEST REPORT

High Plains Resources LLC

600 17th ST Suite 2800S
Denver CO 80202+5428

ATTN: Jennifer Olsen

21-14S-6E Morris KS

Stenstrom #23-21

Job Ticket: 70778 **DST#: 1**

Test Start: 2023.01.24 @ 17:55:00

GENERAL INFORMATION:

Formation: **Simpson Ss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:34:37
Time Test Ended: 13:51:21

Test Type: Conventional Straddle (Initial)
Tester: Spencer J Staab
Unit No: 84

Interval: 2770.00 ft (KB) To 2906.00 ft (KB) (TVD)
Total Depth: 3178.00 ft (KB) (TVD)
Hole Diameter: 6.25 inches Hole Condition:

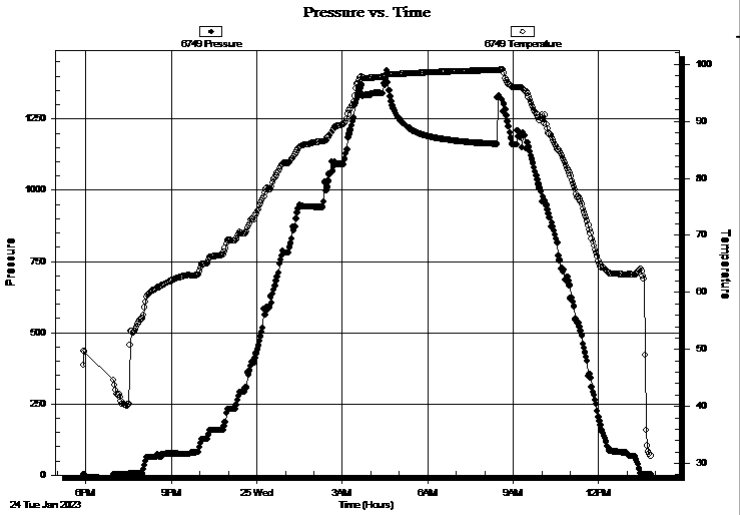
Reference Elevations: 1419.00 ft (KB)
1406.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6749 **Below (Straddle)**

Press@RunDepth: psig @ 2924.00 ft (KB)
Start Date: 2023.01.24 End Date: 2023.01.25
Start Time: 17:55:01 End Time: 13:51:21

Capacity: psig
Last Calib.: 2023.01.25
Time On Btm:
Time Off Btm:

TEST COMMENT: 15-IF-BOB in 10 secs Built to 645" before going open chamber
30-ISI-No Return
60-FF-No Blow
120-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2450.00	SMCSW 5%M 95%W	26.55

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

High Plains Resources LLC

600 17th ST Suite 2800S
Denver CO 80202+5428

ATTN: Jennifer Olsen

21-14S-6E Morris KS

Stenstrom #23-21

Job Ticket: 70778 **DST#: 1**

Test Start: 2023.01.24 @ 17:55:00

Tool Information

Drill Pipe:	Length:	2750.00 ft	Diameter:	3.34	inches	Volume:	29.80	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:	0.00 ft	Diameter:	2.25	inches	Volume:	0.00	bbl	Weight to Pull Loose:	95000.00 daN
						Total Volume:	-	bbl	Tool Chased	ft
Drill Pipe Above KB:		15.00 ft							String Weight: Initial	55000.00 daN
Depth to Top Packer:		2770.00 ft							Final	65000.00 daN
Depth to Bottom Packer:		2906.00 ft								
Interval between Packers:		136.00 ft								
Tool Length:		443.00 ft								
Number of Packers:		4	Diameter:	5.75	inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			2736.00		
Shut In Tool	5.00			2741.00		
Sampler	3.00			2744.00		
Hydraulic tool	5.00			2749.00		
Jars	5.00			2754.00		
Gap Sub	4.00			2758.00		
Safety Joint	3.00			2761.00		
Packer	5.00			2766.00	35.00	Bottom Of Top Packer
Packer	4.00			2770.00		
Stubb	1.00			2771.00		
Perforations	2.00			2773.00		
Blank Off Sub	1.00			2774.00		
Change Over Sub	1.00			2775.00		
Recorder	0.00	6838	Inside	2775.00		
Recorder	0.00	8875	Inside	2775.00		
Drill Pipe	126.00			2901.00		
Change Over Sub	1.00			2902.00		
Top Strd Pkr	4.00			2906.00	136.00	Tool Interval
Packer	0.00			2906.00		
Stubb	1.00			2907.00		
B Strd Pkr	5.00			2912.00		
Change Over Sub	1.00			2913.00		
Change Over Sub	1.00			2914.00		
Perforations	10.00			2924.00		
Recorder	0.00	6749	Below	2924.00		
Change Over Sub	1.00			2925.00		

DRILL STEM TEST REPORT

FLUID SUMMARY

High Plains Resources LLC

600 17th ST Suite 2800S
Denver CO 80202+5428

ATTN: Jennifer Olsen

21-14S-6E Morris KS

Stenstrom #23-21

Job Ticket: 70778 **DST#: 1**

Test Start: 2023.01.24 @ 17:55:00

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:	41.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1700.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

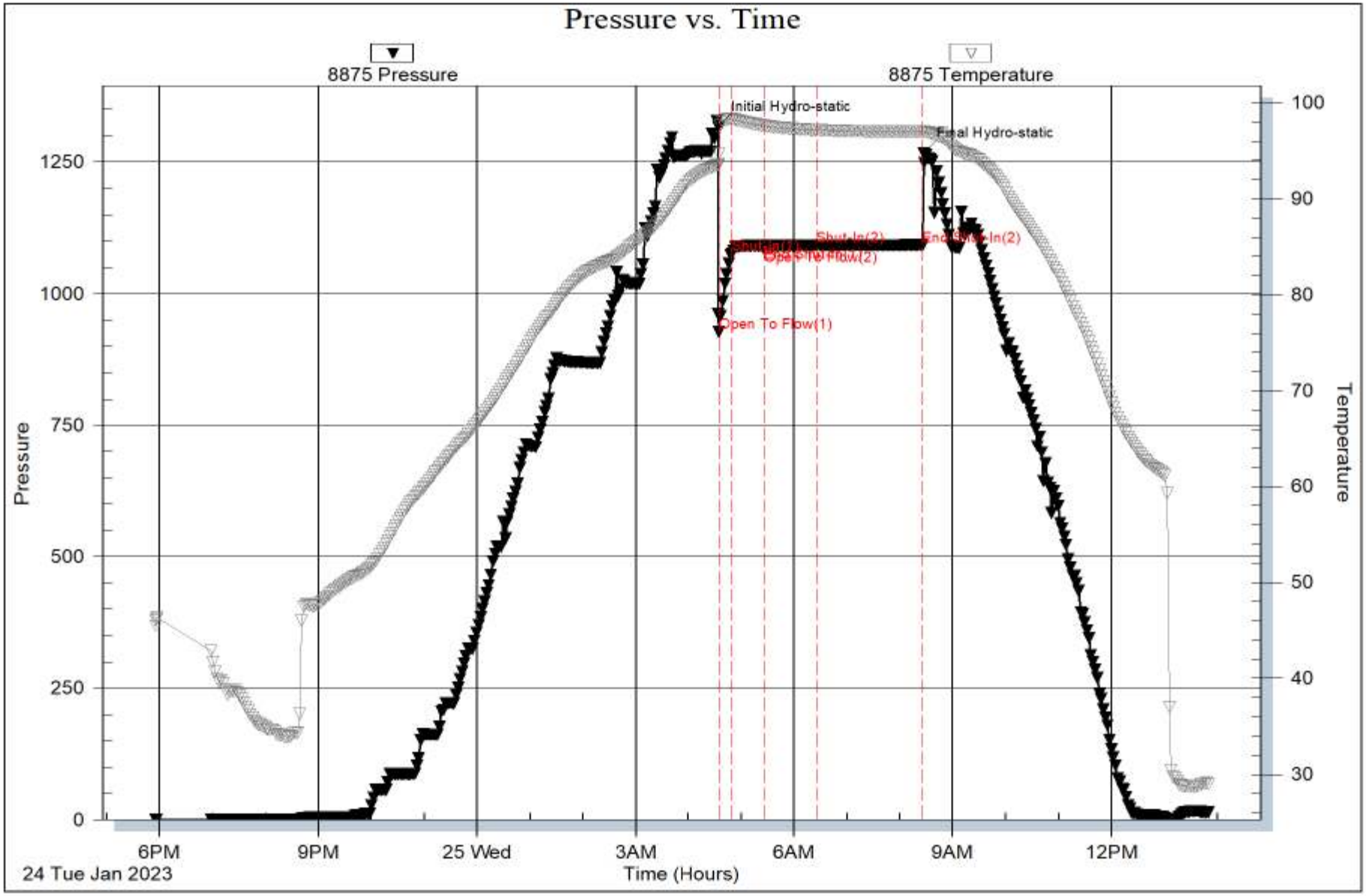
Length ft	Description	Volume bbl
2450.00	SMCSW 5%M 95%W	26.550

Total Length: 2450.00 ft Total Volume: 26.550 bbl

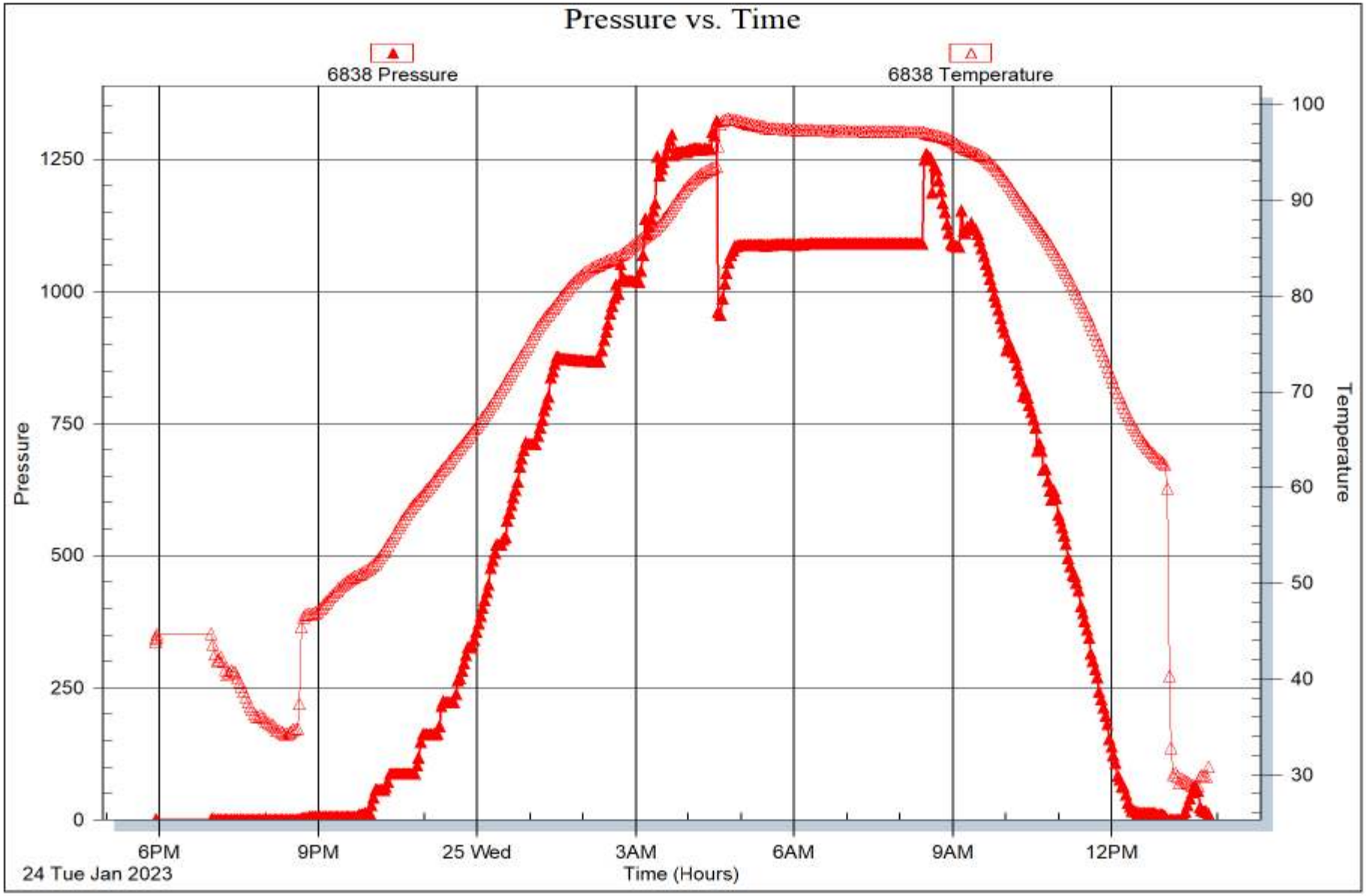
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: No LCM


Pressure vs. Time
8875 Pressure
8875 Temperature
Initial Hydro-static
Final Hydro-static
Open To Flow(1)
Pressure
Temperature
1250
1000
750
500
250
0
100
90
80
70
60
50
40
30
6PM
9PM
25 Wed
3AM
6AM
9AM
12PM
24 Tue Jan 2023
Time (Hours)

Serial #: 6838 **Inside** High Plains Resources LLC Stenstrom #23-21 DST Test Number: 1



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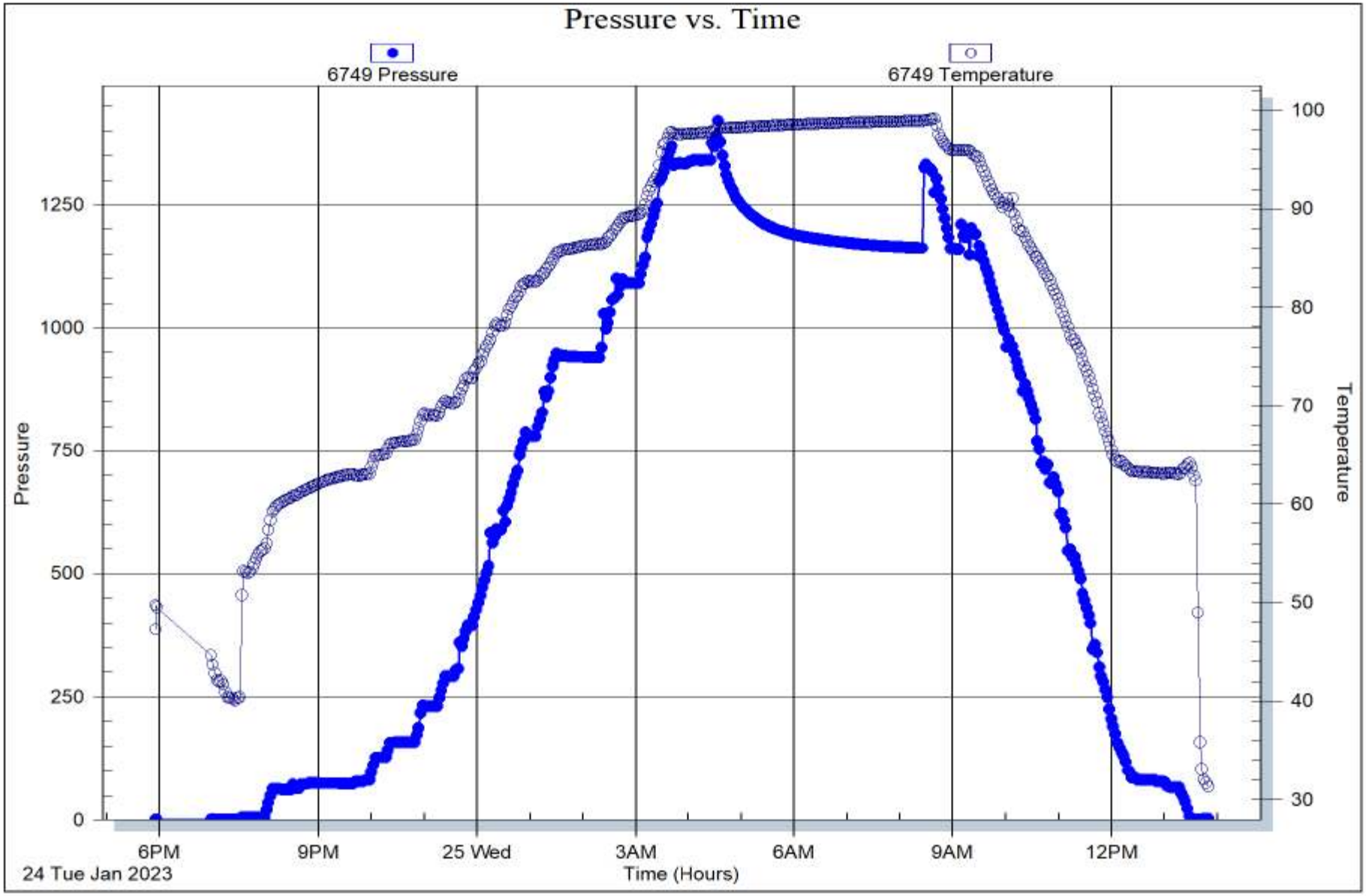

Pressure vs. Time
6749 Pressure
6749 Temperature
Pressure
Temperature
0
250
500
750
1000
1250
30
40
50
60
70
80
90
100
6PM
9PM
25 Wed
3AM
6AM
9AM
12PM
24 Tue Jan 2023
Time (Hours)

DRILL STEM TEST REPORT

Prepared For: **High Plains Resources LLC**

600 17th ST Suite 2800S
Denver CO 80202+5428

ATTN: Jennifer Olsen

Stenstrom #23-21

21-14S-6E Morris KS

Start Date: 2023.01.25 @ 15:49:00

End Date: 2023.01.26 @ 03:03:12

Job Ticket #: 70779 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.01.27 @ 08:34:09

DRILL STEM TEST REPORT

High Plains Resources LLC

600 17th ST Suite 2800S
Denver CO 80202+5428

ATTN: Jennifer Olsen

21-14S-6E Morris KS

Stenstrom #23-21

Job Ticket: 70779 **DST#: 2**

Test Start: 2023.01.25 @ 15:49:00

GENERAL INFORMATION:

Formation: **Hunton Dolomite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:09:27
Time Test Ended: 03:03:12

Test Type: Conventional Straddle (Reset)
Tester: Spencer J Staab
Unit No: 84

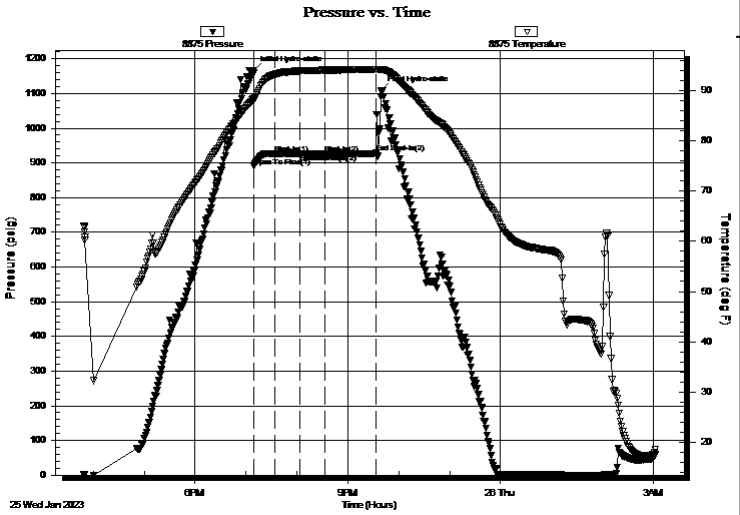
Interval: 2432.00 ft (KB) To 2514.00 ft (KB) (TVD)
Total Depth: 3178.00 ft (KB) (TVD)
Hole Diameter: 6.25 inches Hole Condition: Fair

Reference Elevations: 1419.00 ft (KB)
1406.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8875 **Inside**

Press@RunDepth:	927.06 psig @	2445.00 ft (KB)		Capacity:	psig
Start Date:	2023.01.25	End Date:	2023.01.26	Last Calib.:	2023.01.26
Start Time:	15:49:01	End Time:	03:03:12	Time On Btm:	2023.01.25 @ 19:09:22
				Time Off Btm:	2023.01.25 @ 21:39:02

TEST COMMENT: 20-IF-No Blow Kelly hose & Rig manifold frozen
30-ISI-No Return
30-FF-Surface to 1/4"
60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1165.36	88.39	Initial Hydro-static
1	890.51	88.38	Open To Flow (1)
25	927.03	93.18	Shut-In(1)
54	927.08	93.88	End Shut-In(1)
54	927.07	93.88	Open To Flow (2)
84	927.06	94.03	Shut-In(2)
145	928.77	94.18	End Shut-In(2)
150	1109.29	94.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2075.00	Salt Water	22.49

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

High Plains Resources LLC

600 17th ST Suite 2800S
Denver CO 80202+5428

ATTN: Jennifer Olsen

21-14S-6E Morris KS

Stenstrom #23-21

Job Ticket: 70779 **DST#: 2**

Test Start: 2023.01.25 @ 15:49:00

GENERAL INFORMATION:

Formation: **Hunton Dolomite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:09:27
Time Test Ended: 03:03:12

Test Type: Conventional Straddle (Reset)
Tester: Spencer J Staab
Unit No: 84

Interval: 2432.00 ft (KB) To 2514.00 ft (KB) (TVD)
Total Depth: 3178.00 ft (KB) (TVD)
Hole Diameter: 6.25 inches Hole Condition: Fair

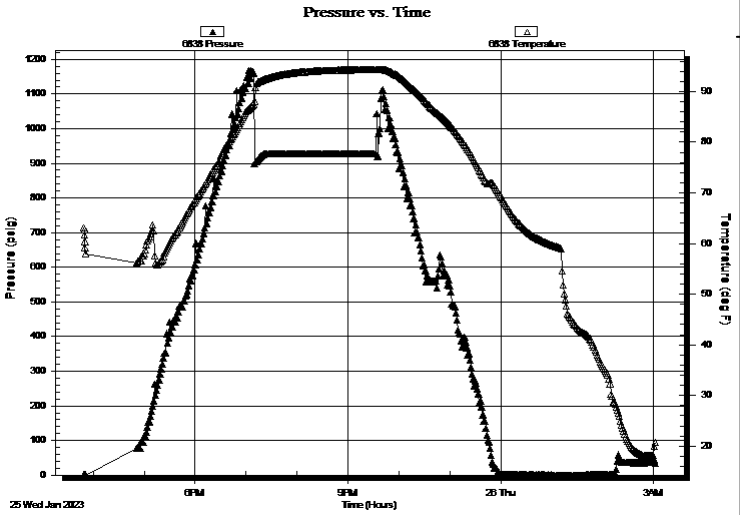
Reference Elevations: 1419.00 ft (KB)
1406.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6838 **Inside**

Press@RunDepth: psig @ 2445.00 ft (KB)
Start Date: 2023.01.25 End Date: 2023.01.26
Start Time: 15:49:01 End Time: 03:03:12

Capacity: psig
Last Calib.: 2023.01.26
Time On Btm:
Time Off Btm:

TEST COMMENT: 20-IF-No Blow Kelly hose & Rig manifold frozen
30-ISI-No Return
30-FF-Surface to 1/4"
60-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2075.00	Salt Water	22.49

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

High Plains Resources LLC

600 17th ST Suite 2800S
Denver CO 80202+5428

ATTN: Jennifer Olsen

21-14S-6E Morris KS

Stenstrom #23-21

Job Ticket: 70779 **DST#: 2**

Test Start: 2023.01.25 @ 15:49:00

GENERAL INFORMATION:

Formation: **Hunton Dolomite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:09:27
Time Test Ended: 03:03:12

Test Type: Conventional Straddle (Reset)
Tester: Spencer J Staab
Unit No: 84

Interval: 2432.00 ft (KB) To 2514.00 ft (KB) (TVD)
Total Depth: 3178.00 ft (KB) (TVD)
Hole Diameter: 6.25 inches Hole Condition: Fair

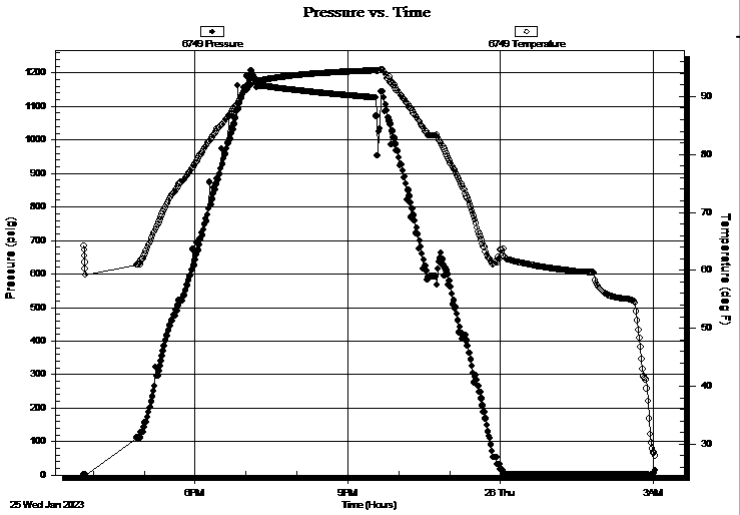
Reference Elevations: 1419.00 ft (KB)
1406.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6749 **Below (Straddle)**

Press@RunDepth: psig @ 2523.00 ft (KB)
Start Date: 2023.01.25 End Date: 2023.01.26
Start Time: 15:49:01 End Time: 03:03:12

Capacity: psig
Last Calib.: 2023.01.26
Time On Btm:
Time Off Btm:

TEST COMMENT: 20-IF-No Blow Kelly hose & Rig manifold frozen
30-ISI-No Return
30-FF-Surface to 1/4"
60-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2075.00	Salt Water	22.49

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

High Plains Resources LLC

600 17th ST Suite 2800S
Denver CO 80202+5428

ATTN: Jennifer Olsen

21-14S-6E Morris KS

Stenstrom #23-21

Job Ticket: 70779 **DST#: 2**

Test Start: 2023.01.25 @ 15:49:00

Tool Information

Drill Pipe:	Length:	2407.00 ft	Diameter:	3.34 inches	Volume:	26.08 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:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		95000.00 daN
					Total Volume:	- bbl	Tool Chased		ft
Drill Pipe Above KB:		10.00 ft					String Weight:	Initial	55000.00 daN
Depth to Top Packer:		2432.00 ft						Final	60000.00 daN
Depth to Bottom Packer:		2514.00 ft							
Interval between Packers:		82.00 ft							
Tool Length:		786.00 ft							
Number of Packers:		4	Diameter:	5.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			2398.00		
Shut In Tool	5.00			2403.00		
Sampler	3.00			2406.00		
Hydraulic tool	5.00			2411.00		
Jars	5.00			2416.00		
Gap Sub	4.00			2420.00		
Safety Joint	3.00			2423.00		
Packer	5.00			2428.00	35.00	Bottom Of Top Packer
Packer	4.00			2432.00		
Stubb	1.00			2433.00		
Perforations	10.00			2443.00		
Blank Off Sub	1.00			2444.00		
Change Over Sub	1.00			2445.00		
Recorder	0.00	6838	Inside	2445.00		
Recorder	0.00	8875	Inside	2445.00		
Drill Pipe	64.00			2509.00		
Change Over Sub	1.00			2510.00		
Top Strd Pkr	4.00			2514.00	82.00	Tool Interval
Packer	0.00			2514.00		
Stubb	1.00			2515.00		
B Strd Pkr	5.00			2520.00		
Change Over Sub	1.00			2521.00		
Change Over Sub	1.00			2522.00		
Perforations	1.00			2523.00		
Recorder	0.00	6749	Below	2523.00		
Change Over Sub	1.00			2524.00		

DRILL STEM TEST REPORT

FLUID SUMMARY

High Plains Resources LLC

600 17th ST Suite 2800S
Denver CO 80202+5428

ATTN: Jennifer Olsen

21-14S-6E Morris KS

Stenstrom #23-21

Job Ticket: 70779 **DST#: 2**

Test Start: 2023.01.25 @ 15:49:00

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:	19500 ppm
Viscosity:	41.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1700.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2075.00	Salt Water	22.486

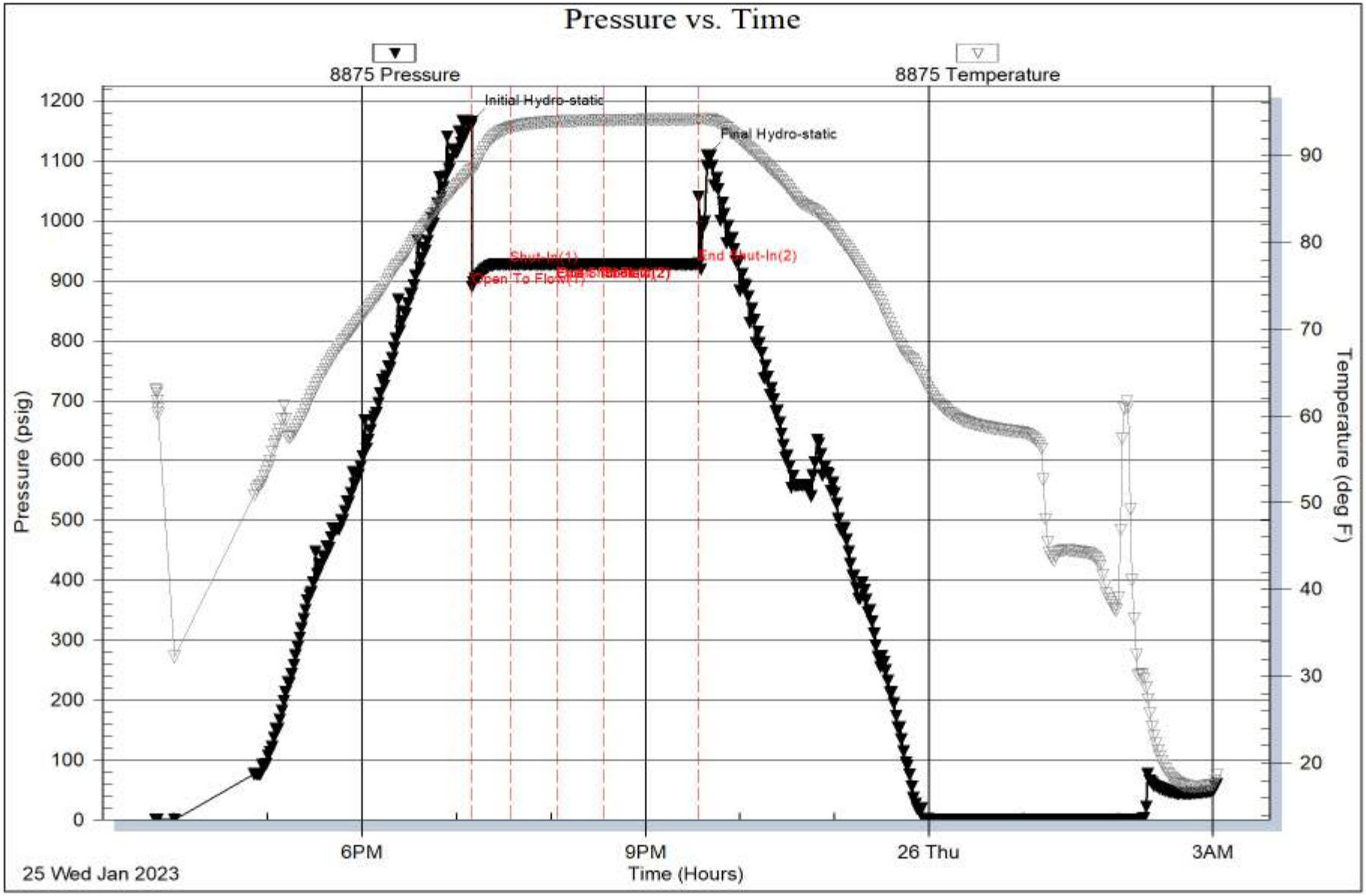
Total Length: 2075.00 ft Total Volume: 22.486 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: No LCM
RW=.859@16F

Serial #: 8875 **Inside** High Plains Resources LLC Stenstrom #23-21 DST Test Number: 2



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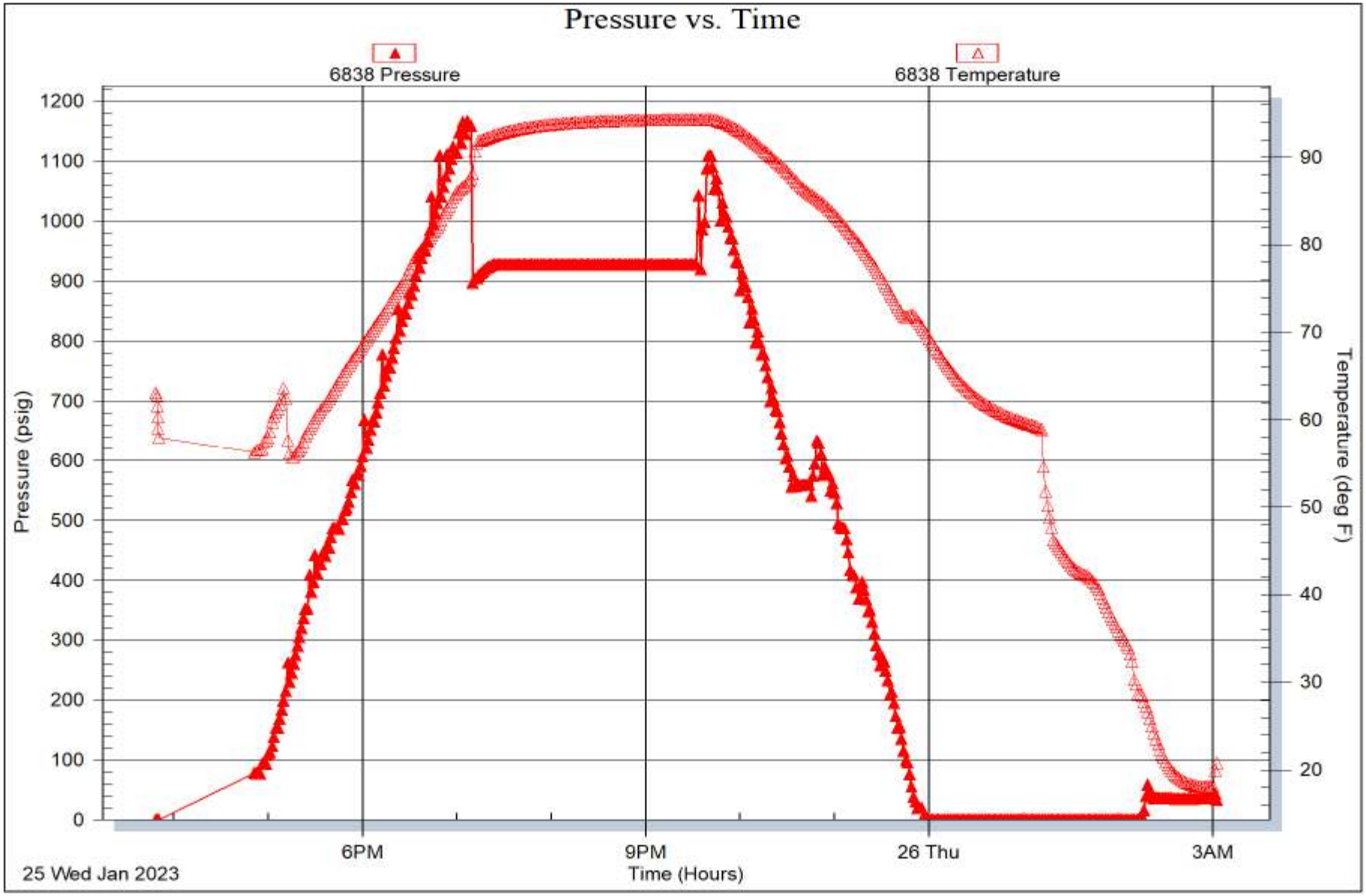
Serial #: 6838 **Inside** High Plains Resources LLC Stenstrom #23-21 DST Test Number: 2



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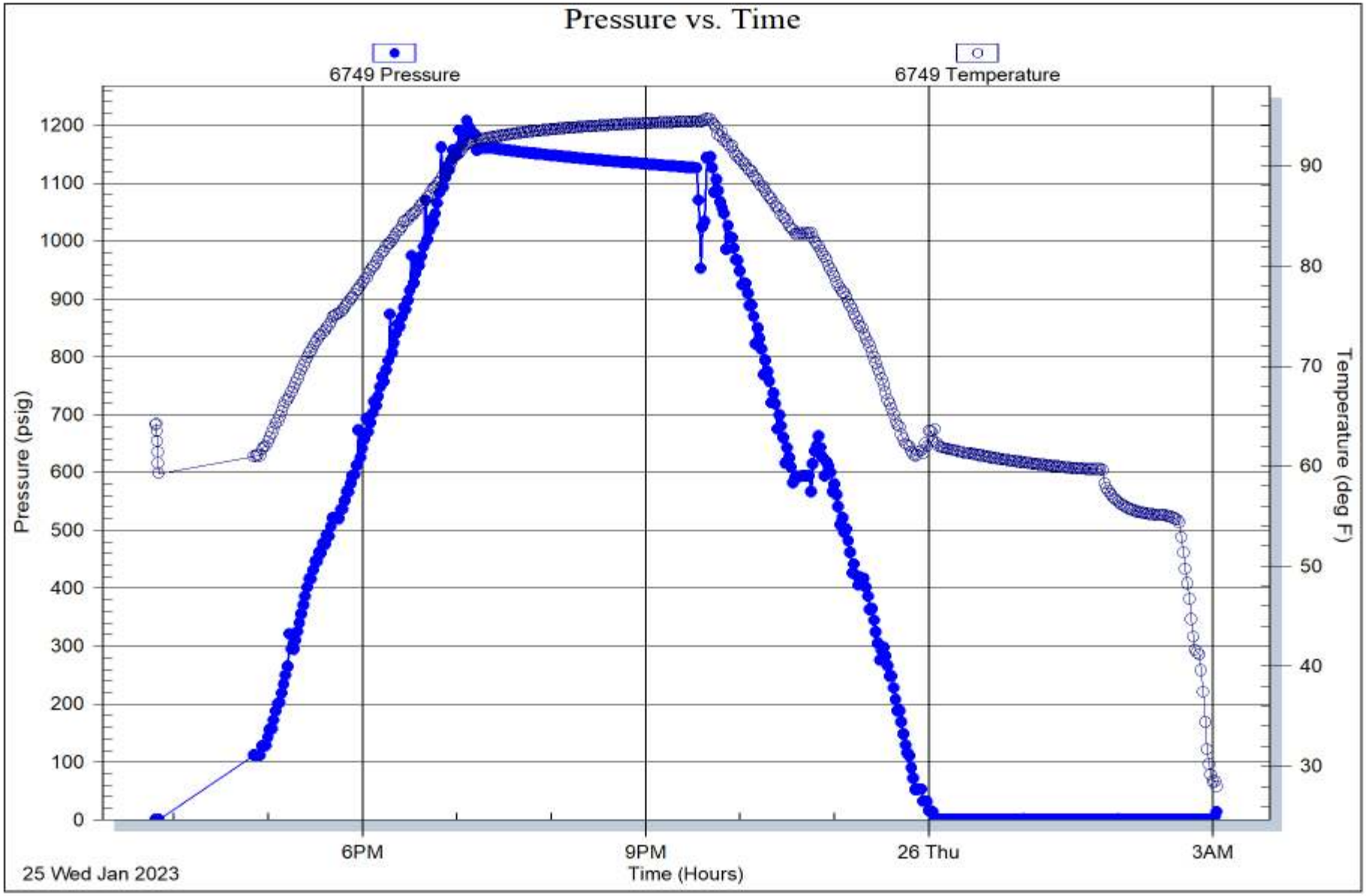
Pressure vs. Time
6749 Pressure
6749 Temperature
Pressure (psig)
Temperature (deg F)
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
90
80
70
60
50
40
30
6PM
9PM
26 Thu
3AM
25 Wed Jan 2023
Time (Hours)

TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70778

Well Name & No. Stenstrom #23-21 Test No. 1 Date 01/24/2023
Company High Plains Resources LLC Elevation 1419 KB 1406 GL
Address Denver CO 80202+5428 600 17th St. Suite 2800S
Co. Rep / Geo Jenifer Olsen Rig White Mountain #252
Location: Sec. 21 Twp 14s Rge. 6e Co. Morris State Ks

Interval Tested 2770'-2906' Zone Tested Simpson Ss + Dolomite
Anchor Length 136' 272' tail Drill Pipe Run 2750' Mud Wt. 8.85
Top Packer Depth 2770' Drill Collars Run – Vis 41
Bottom Packer Depth 2906' Wt. Pipe Run – WL 8.0
Total Depth 3178' Chlorides 1700 ppm System LCM None

Blow Description IF- BOB 10secs; Built to 645" before going open chamber
ISI- No Return
FF- No Blow
FSI- No Return

Rec 2450'	Feet of Slightly Mud Cut Salt Water	%gas	%oil 95	%water 5	%mud
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	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2450' BHT 97° Gravity — API RW 1.16 @ 27 °F Chlorides 13,500 ppm

Initial Hydrostatic	1316	☒ Test	4600	☐ Ruined Shale Packer	
Initial Flow	927 to 1076	☒ Jars	300	☐ Ruined Packer	
Initial Shut-In	1091	☒ Circ Sub		☒ Hotel	stayed @ Rig
Final Flow	1085 to 1091	☒ Hourly Standby	10.75h 1075	☒ EM Tool Successful	
Final Shut-In	1092	☒ Mileage	138 241.50	☒ Accessibility	150
Final Hydrostatic	1266	☒ Sampler	300	☐ Gas Sample	
T- On Location	14:20	☒ Straddle	800	☒ Oversized Hole	500
Initial Flow 15	T-Started 19:30	☐ Shale Packer		☐ Sub Total	150
Initial Shut-In 30	T-Open 04:34 01/25	☒ Extra Packer	200	☐ Total	8166.50
Final Flow 60	T-Pulled 08:19	☐ Extra Recorder		☐ Tool Loaded	@
Final Shut-In 120	T-Out 13:50	☐ Day Standby		☐ MP/DST Disc't	

Comments Top Drive; had to use offsite trailer to build tool. Wanted open chambered so they could run a gas sniffer off 2"

Approved By _____ Our Representative Spencer J. Staab

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 70778 Date 01/25/2023

Company Name High Plains Resources LLC

Lease Stenstrom #23-21 Test No. 1

County Morris Sec. _____ Twp. _____ Rng. _____

SAMPLER RECOVERY

Gas _____ ML

Oil _____ ML

Mud _____ ML

Water 3000 ML

Other _____ ML

Pressure 1000 ML

Total 3000 ML

PIT MUD ANALYSIS

Chlorides 1700 ppm.

Resistivity _____ ohms @ _____ F

Viscosity 41

Mud Weight 8.85

Filtrate 8.0

Other No LCM

SAMPLER ANALYSIS

Resistivity 1.16 ohms @ 27 F

Chlorides 13,500 ppm.

Gravity _____ corrected @60F

PIPE RECOVERY

TOP

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70779

Well Name & No. Stenstrom #23-21 Test No. 2 Date 01/25/2023
Company High Plains Resources LLC Elevation 1419 KB 1406 GL
Address 600 17th ST Suite 2800S Denver CO 80202+5428
Co. Rep / Geo Jenifer Olsen Rig White Mountain #252
Location: Sec. 21 Twp 14S Rge. 6E Co. Morris State KS

Interval Tested 2432'-2514' Zone Tested Hunton Dolomite
Anchor Length 82' 664' tail Drill Pipe Run 2407' Mud Wt. 8.85
Top Packer Depth 2432' Drill Collars Run — Vis 41
Bottom Packer Depth 2514' Wt. Pipe Run — WL 8.0
Total Depth 3178' Chlorides 1700 ppm System LCM None

Blow Description IF- No Blow; Kelly hose + Manifold on Rig frozen
ISI No Return
FF- Surface to ¼"
FSI- No Return

Rec 2075	Feet of Salt Water	%gas	%oil	100	%water	%mud
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	Feet of	%gas	%oil		%water	%mud
Rec	Feet of	%gas	%oil		%water	%mud

Rec Total 2075 BHT 94 Gravity — API RW .859 @ 16 °F Chlorides 19,500 ppm

Initial Hydrostatic 1165	☒ Test 4600	☐ Ruined Shale Packer	
Initial Flow 890 to 927	☒ Jars 300	☐ Ruined Packer	
Initial Shut-In 927	☐ Circ Sub	☐ Hotel	
Final Flow 927 to 927	☒ Hourly Standby X2	☒ EM Tool Successful	
Final Shut-In 928	☒ Mileage 241.50	☒ Accessibility 150	
Final Hydrostatic 1109	☒ Sampler 300	☐ Gas Sample	
T- On Location 13:51	☒ Straddle 800	☐ Oversized Hole 500	
Initial Flow 20 T-Started 15:49	☐ Shale Packer	☐ Sub Total	
Initial Shut-In 30 T-Open 19:09	☒ Extra Packer 200	☐ Total	
Final Flow 30 T-Pulled 21:29	☐ Extra Recorder	☒ Tool Loaded 01/26 @ 03:30	
Final Shut-In 60 T-Out 03:15	☐ Day Standby	☐ MP/DST Disc't 7091.50	

Comments Was supposed to be 5 min IF; Frozen Plumbing ~~[illegible]~~ made it appear that the tool originally didn't open

Approved By Our Representative Spencer J. Staal

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 70779 Date 01/26/2023

Company Name High Plains Resources LLC

Lease Stranstrom Test No. 2

County Morris Sec. 22 Twp. 14s Rng. 6e

SAMPLER RECOVERY

Gas _____ ML

Oil _____ ML

Mud _____ ML

Water 3000 ML

Other _____ ML

Pressure _____ ML

Total 3000 ML

PIT MUD ANALYSIS

Chlorides 1700 ppm.

Resistivity _____ ohms @ _____ F

Viscosity 41

Mud Weight 8.85

Filtrate 8.0

Other No LCM

SAMPLER ANALYSIS

Resistivity .859 ohms @ 16 F

Chlorides 19,500 ppm.

Gravity _____ corrected @60F

PIPE RECOVERY

TOP

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.