KOLAR Document ID: 1713836

CORRECTION #1

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 #:

11/4/2022	4/9/2023	4/9/2023
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-117-20028-00-00
Spot Description:
SE - NW - NE - NE Sec. 32 Twp. 3 S. R. 6 ☑ East ☐ West
335 Feet from ☑ North / ☐ South Line of Section
835 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: Marshall
Lease Name: BALSMEIER Well #: 21-32
Field Name:
Producing Formation: None
Elevation: Ground: 1292 Kelly Bushing: 13
Total Vertical Depth: 6066 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 254 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: 1200 ppm Fluid volume: 5400 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:** 05/16/2023

CORRECTION #1
Page Two

Operator Name: High Plains Resources LLC Lease Name: BALSMEIER Well #: 21-32

Sec. 32 Twp. 3 S. R. 6 ☑ East ☐ West County: Marshall

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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom

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	BALSMEIER 21-32
Doc ID	1713836

All Electric Logs Run

Gamma
Neutron
Density
Resistivity
Sonic

Form	ACO1 - Well Completion
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Well Name	BALSMEIER 21-32
Doc ID	1713836

Tops

Name	Top	Datum
Heebner	1190	KB
Douglas	1210	KB
Lansing	1235	KB
Kansas City	1330	KB
Mississippian	1550	KB
Hunton	1650	KB
Maquoketa	2260	KB
Viola	2315	KB
Simpson Shale	2580	KB
Simpson	2670	KB
Precambrian	2694	KB

Form	ACO1 - Well Completion
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Well Name	BALSMEIER 21-32
Doc ID	1713836

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	15.5	13.375	37	254	Class A	130	2% Gel, 3% CC
Intermediate	12.25	8.625	28	2682	Class A	230	3% CC, 2% Gypsum, 2% Sodium Metasi
Production	7.875	5.5	20	6066	N/A	0	N/A

LITHOLOGY STRIP LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Balsmeier 21-32
API:
Location: 335' FNL, 835' FEL, Sec 32, T3SR6E, Marshall County, Kansas
License Number: API # 15-117-20028-00-00 — Region: Wildcat
Spud Date: 3/10/2023 — Drilling Completed: 3/10/2023
Surface Coordinates: Sec 4, T3S R6E
Bottom Hole Coordinates: Lat / Long
Ground Elevation (ft): 1382' — K.B. Elevation (ft):
Logged Interval (ft): 80' To: — Total Depth (ft):
Formation: Pre Cambrian Granite
Type of Drilling Fluid: Water base gel

Printed by StripLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR
Company: High Plains Resources LLC
Address:

GEOLOGIST
Name: JC Nerud, Lason Crogh
Company: King Canyon Buffalo, Inc.
Address: 12681 Hazelrodt Cutoff
Custer SD 57730

Comments

ROCK TYPES
Weathered gabbro, Anhy rose, Anhy wh, Igne grnt pnk, Basalt, Bent, Cht, Dol blk, Dol root beer, Dol brn, Dol salmon, Dol gy, Dol wh, Dol tan, Dol lt tan, Dol gy, Igne, Ls white, Ls off wh, Ls ltgy, Ls dk brn, Ls crm, Ls ltgy, Ls blu, Ls wh, Ls brn, Ls gy, Sltst brick, Sltst rdbrn, Sltst brn, Ss wh, Sltst wh, Sltst dkgy, Sltst ltgy, Sltst tn, Ss dkbrn, Ss lt blue, Ss gn, Ss, Ss red brn, Ss crs red, Ss crs, Cgl pnk, Blk basalt, blk gabbro, Weath gabb red, Meta gabbro, Gabbro, Weathered gabbro, Diorite red, Diorite, Granite orng, Cgl orng, Cgl red, Meta qtz, Cgl, Ss ltgy, Sh rdbrn, Sh brn, Sh gn, Sh vcol, Sh tan, Sh dkgy, Sh medgy, Sh ltgy, Carbsh, Sh sdy, Clyst tn, Clyst brn, Clyst lt blue, Clyst gygn, Clyst gybrn, Clyst wh, Clyst ltgrn, Clyst dkgy, Clyst rdbrn, Clyst gy

ACCESSORIES
FOSSIL: Algae, Amph, Belm, Bioclst, Brach, Bryozoa, Cephal, Coral, Crin, Echin, Fish, Foram, Fossil, Gastro, Oolite, Ostra, Pelec, Pellet, Pisolite, Plant, Strom

MINERAL: Vertfrac, Anhy, Arggrn, Arg, Mica, Bent, Bit, Brecfrag, Calc, Carb, Chtdk, Chtlt, Dol, Feldspar, Ferrpel, Ferr, Glau, Gyp, Hvymin, Kaol, Marl, Qtz or calct xls, Nodule, Phos, Pyr, Salt, Sandy, Silt, Sil, Sulphur, Tuff, Ss, Ss, Clyst bl, Clyst wh, Clyst, Ls, Ls

STRINGER: Anhy wh, Tuff, Anhy, Arg, Bent, Coal, Dol, Dol, Gyp, Ls, Mrst, Sltst

TEXTURE: Boundst, Chalky, Cryxln, Earthy, Finexln, Grainst, Lithogr, Microxln, Mudst, Packst, Wackest

OTHER SYMBOLS
POROSITY: Earthy, Fenest, Fracture, Inter, Moldic, Organic, Pinpoint, Vuggy

OIL SHOW: Even, Spotted, Ques, Dead

SORTING: Well, Moderate, Poor

ROUNDING: Rounded, Subrnd, Subang, Angular

INTERVAL: Core, Dst, Casing

EVENT: Rft, Sidewall, Survey, Isotube, Fault, Csg, New bit

ROP (min/ft)	DEPTH	Lithology	Geological Descriptions	Rig/Mud Data	Components C1 thru C10
ROP (min/ft), GAMMA RAY (API), CDL CALIPER					C1 (PPM), C2 (PPM), C3 (PPM), C4 (PPM), C5 (PPM), C6 (PPM), C7 (PPM)

King Canyon Buffalo Geochem & Mudlogging LLC

Mr. James C Nerud,
(970) 212-6868
jcnerud@yahoo.com

JAMES C NERUD
33 King Canyon Rd
Chadron NE, 69337
jcnerud@yahoo.com

Logged by; JC
Nerud KR Newman & LL Crogh
SPEC Mass Spectrometer
#1018 and QGM Trap

DRILLER DEPTH CORRECTION

High Plains Resources LLC
BALSMEIER 21-32
335'FNL, 835'FEL
Sec 32, T3SR6E
Marshall County Kansas
API # 15-117-20028-00-00
GL Elevation: 1292 ft
KB Elevation: 1305 ft

On location 3/08/23, 1345 Hrs, Fully operational 3/09/23 at 1230 Hrs, Begin Logging gas & samples, 0812 Hrs, 3/10/2023

In nature, we usually see 10 times more C1 than C2, 10 times more C2 than C3, and so on, through C10. When significant increases in heavier components (C5-C10) are not matched by increases in lighter components (C1-C3), we have learned that this is almost always mud system contamination. Contamination and recirculation of (C5-C10) will be clearly annotated when identified.

3/09/23 2359 Hrs

SLTST ltgy-vltgy, vf aren-sandy thru, blky-plty, frm-hd, calc cmt, occ fos frag & pel, abnt mica tr glauc, intbd w/ thn LS & clay

LS ltgy-gy, WS-PS, sandy-vf aren, arg thru, occ thn SS lam, frm-vhd, abnt CHT

SS vltgy-gy-off wh, lvf-uvf gr, calc cmt, mtx supt, hd, occ grdg sil, occ cht

CHERT crm-wh-transl-ltgy, amorph tex, ang shards, sub conc frac, motl thru

LS wh-offwh-ltgy-gybrn, WS-PS, vf-crs xl, abnt fos frag, vf aren thru cont CHT

LS wh-offwh-ltgy-gybrn, WS-PS, vf-crs xl, abnt fos frag, vf aren thru cont CHT

SLTST lt red-orng, redbrn, blky-lmpy, frm-hs, calc, grdg vf aren thru, intbd w/ lt blgy clyst, occ clyst motl

CLYST ltblu-lt blugy-blugrn, frm, blky-lmpy, occ motl, occ thn slty lam, calc, hyd to mush, occ thn vf aren lam

CLYST gy-ltblu-lt blugy, frm, blky-lmpy, occ motl, occ thn slty lam, calc, hyd to mush, occ thn vf aren lam, tr wht qtzxls

CLYST gy-ltblu-lt blugy, frm, blky-lmpy, occ motl, occ thn slty lam, calc, hyd to mush, occ thn vf aren lam, occ wht-clr qtz xls, non calc

CHERTY LS wh-offwh-ltgy-gybrn, WS-PS, vf-crs xl, tr fos frag, tr SLTST lt red-redbrn-gy, blky, frm-hd, vf aren thru cont CHT, occ CLYST lt blu-blugrn, frm, blky

CHT crm-wht-ltgy, frm-hd, rr calc, LS wh-offwh-ltgy-gybrn, WS-PS, slty ip, vf-crs xl, intrbd silica, SLTST lt red-redbrn-gy, blky, frm-hd, tr fos frag

LS wh-offwh-ltgy-gybrn, MS-WS, v calc, slty ip, vf-crs xl, rr qtz xls, tr foss frags, occ mott, tr interbd CHT

CHT crm-wht-ltgy-gy, frm-hd, rr calc, LS wh-offwh-ltgy, WS-PS, v calc, slty ip, vf-crs xl, intrbd silica, tr foss frags

LS wh-offwh-ltgy-ltgrn-blu,MS-WS, v calc, slty ip, vf-crs xl, intrbd silica, tr foss frags,CHT crm-wht-ltgy-gy lt brn-ornge, sb rnd-sb ang frm-hd, rr calc rxn

LS wh-offwh-ltgy-ltgrn-blu,MS-WS, v calc, slty ip, vf-crs xl, intrbd silica, tr foss frags,CHT crm-wht-ltgy-gy lt brn-ornge, sb rnd-sb ang frm-hd, rr calc rxn, occ clr qtz grns

TOOH
SURF CSG 260'

SURFACE CSG SET 260', ID = 8.017"

3/10/23
3/11/23
3/12/23
3/13/23
3/14/23
3/15/23
2359 Hrs

LS wh-offwh-ltgy-ltgry, WS-PS, sl hd-hd, vf-crs xl, rthy-chky, intrbd sil, tr foss frags SLTST ltgy-rdbrn, frm, sbblky, rthy, sl-m calc, occ intbd calc. rr-tr ANHY wh-off wh, crxl-amor, sft- sl frm, blky-sbblky, wxy

LS ltgy-offwh, MS-WS, sl hd-hd, vf-crs xl, rthy-chky, intrbd sil, tr foss frags, tr SLTST ltgy-rdbrn, frm, sbblky, rthy, sl-m calc, fr, calc. rr ANHY wh-off wh, crxl-amor, sft- sl frm, blky-sbblky, wxy

LS ltgy-offwh, MS-WS, sl hd-hd, vf-crs xl, rthy-chky, intrbd sil, tr foss frags, tr SLTST ltgy-rdbrn, frm, sbblky, rthy, sl-m calc, fr, calc. rr ANHY wh-off wh, crxl-amor, sft- sl frm, blky-sbblky, wxy

DOL ltbrn-tan, pred micxl MS-WS, occ grdg arg-varg, tr slty, occ fos frag, occ grdg lmy-calc, occ fos rem & frag, occ euhed calcite frac fill

tr SLTST ltgy-rdbrn, frm, sbblky, rthy, sl-m calc, fr, calc. rr ANHY wh-off wh, crxl-amor, sft- sl frm, blky-sbblky, wxy

DOL ltgy-gy, pred micxl MS-WS, occ grdg arg-varg, tr slty, occ fos frag, occ grdg lmy-calc, occ fos rem & frag, occ euhed calcite frac fill

DOL ltgy-dkgy, pred micxl MS-WS, occ grdg arg-varg, tr slty, occ fos frag, occ grdg lmy-calc, occ fos rem & frag, occ euhed calcite frac fill

LS ltgy-dkgy-offwh, MS-PS, sl hd-hd, vf-crs xl, rthy-chky, intrbd sil, tr foss frags

LS lygy-blugy-offwh, vf-cxl, WS-PS, vslty thru, occ vthn vsl aren lam, occ grdg dolic, occ thn ltgy sltst, decr calc, incr dolic, sig incr calc fld fracs w/ pyr repl, occ fos frag,

DOL ltgy-off wh, pred micxl MS-WS, frm, occ grdg arg-varg, tr slty, occ grdg lmy-calc, occ calcite frac fill

CLYST dkgy-ltgy, occ vlt gyblu, lmpy-sb blky, frm-hd, calc-dolic, occ grdg vsl slty, occ thn dkgy lmy lam, cont pyr & fos frag

LS lygy-blugy-offwh, vf-cxl, WS-PS, vslty thru, occ vthn vsl aren lam, occ grdg dolic, occ thn ltgy sltst, decr calc, incr dolic, sig incr calc fld fracs w/ pyr repl, occ fos frag,

CLYST dkgy-ltgy, occ vlt gyblu, lmpy-sb blky, frm-hd, calc-dolic, occ grdg vsl slty, occ thn dkgy lmy lam, cont pyr & fos frag

DOL ltgy-dkgy, MS-WS, sl hd-hd, vf-crs xl, rthy-chky, intrbd sil, tr foss frags, tr SLTST ltgy-rdbrn, frm, sbblky, rthy, sl-m calc, fr, calc.

SLTST brn-ltgy, m frm, plty-sbblky, rthy, non calc

DOL ltgy-dkgy, MS-WS, sl hd-hd, vf-crs xl, rthy-chky, intrbd sil, tr foss frags, tr SLTST ltgy-rdbrn, frm, sbblky, rthy, sl-m calc, fr, calc.

03/16/23 2359 Hrs

LS lygy-blugy-offwh, vf-cxl, WS-PS, vslty thru, occ vthn vsl aren lam, occ grdg dolic, occ thn ltgy sltst, decr calc, incr dolic, sig incr calc fld fracs w/ pyr repl.

DOL ltgy-gy, pred micxl MS-WS, occ grdg arg-varg, tr slty, occ fos frag, occ grdg lmy-calc, occ fos rem & frag, occ euhed calcite frac fill

SLTST brn-ltgy, m frm, plty-sbblky, rthy, non calc

DOL ltgy-gy, pred micxl MS-WS, occ grdg arg-varg, tr slty, occ fos frag, occ grdg lmy-calc, occ fos rem & frag, occ euhed calcite frac fill

CLYST dkgy-ltgy, occ vlt gyblu, lmpy-sb blky, frm-hd, calc-dolic, occ grdg vsl slty, occ thn dkgy lmy lam, cont pyr & fos frag

SLTST brn-ltgy, m frm, plty-sbblky, rthy, non calc, inttbd ls

LS blk-dkgy, pred micxl MS-WS, occ grdg arg-varg, tr slty, occ fos frag, occ grdg lmy-calc, occ fos rem & frag, occ euhed calcite frac fill

SLTST brn-ltgy, m frm, plty-sbblky, rthy, non calc, inttbd ls

CLYST dkgy-ltgy, occ vlt gyblu, lmpy-sb blky, frm-hd, calc-dolic, occ grdg vsl slty, occ thn dkgy lmy lam, cont pyr & fos frag

LS blk-dkgy, pred micxl MS-WS, occ grdg arg-varg, tr slty, occ fos frag, occ grdg lmy-calc, occ fos rem & frag, occ euhed calcite frac fill

SLTST brn-ltgy, m frm, plty-sbblky, rthy, non calc, inttbd ls, occ pyr

LS ltgy-dkgy, frm, vf-cxl MS-WS, tr slty, dull-chlky, occ grdg lmy-calc, occ euhed calcite frac fill

SLTST brn-ltgy, m frm, plty-sbblky, rthy, non calc, inttbd ls, occ pyr

CLYST dkgy-blk, sft-sl frm, plty-flky, thn lam, rthy-dull, sl- non clac

LS ltgy-off wht-dkgy, frm, vf-cxl MS-WS, tr slty, dull-chlky, occ grdg lmy-calc, occ euhed calcite frac fill

SH rdbrn-ltgy, frm-sl hd, blky-sbblky, occ grd to clyst, rthy tex, sl-non calc

LS wh- bright wh, f-mxl MS-WS, sft-sl frm, rthy-sl chlky, thin lam, cln-vsl arg, occ dolc

LS ltgy-off wht-dkgy, frm, vf-cxl MS-WS, tr slty, dull-chlky, occ grdg lmy-calc, occ euhed calcite frac fill

SS wh-gywh, hrd, cons, c-f grn, ang-sbang, fros, grn sup, p srt, calc

SH rdbrn-ltgy, frm-sl hd, blky-sbplty, occ grd to clyst, rthy tex, sl-non calc

LS wh- bright wh, f-mxl MS-WS, sft-sl frm, rthy-sl chlky, thin lam, cln-vsl arg, occ dolc

SLTST blk-dkgy-gy, sft- sl frm, plty-sbplty, rthy, sl- non calc

LS ltgy-off wht-dkgy, frm, vf-cxl MS-WS, tr slty, dull-rthy, occ chlky-suc, occ grdg lmy-calc, occ euhed calcite frac fill

LS ltgy-off wht-dkgy, frm, vf-cxl MS-WS, tr slty, dull-rthy, occ chlky-suc, occ grdg lmy-calc, occ euhed calcite frac fill, occ intbd pyr

LS wh- bright wh, f-mxl MS-WS, sft-sl frm, rthy-sl chlky, thin lam, cln-vsl arg, occ dolc

SLTST blk-dkgy-gy, sft- sl frm, plty-sbplty, rthy, sl- non calc. rr-tr SH rdbrn-drkgy, sft-sl frm, plty-sbblky, rthy, dolc

CLYST dkgy-ltgy, occ vlt gyblu, lmpy-sb blky, frm-hd, calc-dolic, occ grdg vsl slty, occ thn dkgy lmy lam, pyr & fos frag

DOL ltbrn-tan, pred micxl MS-WS, frm, occ grdg arg-varg, tr slty, dull,occ grdg lmy-calc, euhed calcite frac fill

CLYST dkgy-ltgy, occ vlt gyblu, lmpy-sb blky, frm-hd, calc-dolic, occ grdg vsl slty, occ thn dkgy lmy lam, pyr & fos frag

LS wh- bright wh, f-mxl MS-WS, sft-sl frm, rthy-sl chlky, thin lam, cln-vsl arg, occ dolc

SH rdbrn-brck rd, sft-sl frm, plty-sbplty, rthy-dull, sl-non calc, occ sl dolc

CLYST dkgy-ltgy, occ vlt gyblu, lmpy-sb blky, frm-hd, calc-dolic, occ grdg vsl slty, occ thn dkgy lmy lam, pyr & fos frag

LS ltgy-off wht-dkgy, frm, vf-cxl MS-WS, tr slty, dull-rthy, occ chlky-suc, occ grdg lmy-calc, occ euhed calcite frac fill, occ intbd pyr

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc, occ euhed calcite frac fill

CLYST dkgy-ltgy, occ vlt gyblu, lmpy-sb blky, frm-hd, calc-dolic, occ grdg vsl slty, occ thn dkgy lmy lam, pyr & fos frag

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc, occ euhed calcite frac fill

LS wh-crm-ltgy-, chlky, v calc, mod britt-frm, chlky tex, slty ip, occ mica, rr dissem pyr

SH red-brn, gry-grn, frm-sl frm, plty-sbplty, rthy.

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc, occ euhed calcite frac fill

LS wh-crm-ltgy-, chlky, v calc, mod britt-frm, chlky tex, slty ip, occ mica, rr dissem pyr

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc, occ euhed calcite frac fill

SH red-brn, gry-grn, frm-sl frm, plty-sbplty, rthy.

LS wh-crm-ltgy-, chlky, v calc, mod britt-frm, chlky tex, slty ip, occ mica, rr dissem pyr, sl-v dolc, occ vugy

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc, occ euhed calcite frac fill, occ vugy

SH red-brn, gry-grn, frm-sl frm, plty-sbplty, rthy.

03/17/23 2359 Hrs

LS wht-brn, wht-brite, crxl-micxl, WS-PS occ MS, prly,cln-vsl arg, occ grd to dol

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc, fr vugy, occ euhed calcite frac fill

SH gry grn-ltgy, sft- sl frm plty-sbplty, rthy, sl-non calc

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc, fr vugy, occ euhed calcite frac fill

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc, fr vugy, occ euhed calcite frac fill

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc, fr vugy, occ euhed calcite frac fill

DOL pink, wh pink, bright wh, PS-GS, micxl-crpxl, vit, clr, dol, occ foss frag, occ v vugy

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc, occ euhed calcite frac fill

SH gry grn-ltgy, sft- sl frm plty-sbplty, rthy, sl-non calc

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc, occ euhed calcite frac fill

SH ltgy, blugy, grn, sl frm-frm, blky-sbblky, rthy-wxy, sl-non calc

LS wht-brn, wht-brite, crxl-micxl, WS-PS occ MS, prly,cln-vsl arg, occ grd to dol

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc, occ euhed calcite frac fill

LS off wh-ltgy, WS-PS, vf-c xln, vit, occ prly, occ rthy, occ arg, sl-v dolc, occ trac foss, occ grd to DOL

SLTST wh-ltgy, sft- sl frm, subplty-sbblky, rthy, occ grd to CLYST, non calc, occ vsl calc, occ thn clyst lam

LS off wh-ltgy, WS-PS, vf-c xln, vit, occ prly, occ rthy, occ arg, sl-v dolc, occ trac foss, occ grd to DOL

SH rdbrn-brickrd, ltgy-gy, sft-sl frm, sbblky-sbplty, rthy, dull, occ thn calc intrus, occ grd to clyst

LS off wh-ltgy, WS-PS, vf-c xln, vit, occ prly, occ rthy, occ arg, sl-v dolc, occ trac foss, occ grd to DOL. tr DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc

SH rdbrn-brickrd, ltgy-gy, sft-sl frm, sbblky-sbplty, rthy, dull, occ thn calc intrus, occ grd to clyst

LS off wh-ltgy, WS-PS, vf-c xln, vit, occ prly, occ rthy, occ arg, sl-v dolc, occ trac foss, occ grd to DOL.

SLTST wh-ltgy, sft- sl frm, subplty-sbblky, rthy, sl calc-dolc, occ thn clyst lam

DOL bright wh-wht-off wht, WS-PS, vf-c xln, vit to rthy, occ grdg lmy-calc

LS off wh-ltgy, WS-PS, vf-c xln, vit, occ prly, occ rthy, occ arg, sl-v dolc, occ trac foss, occ grd to DOL, occ thin blu gy lam.

SH rdbrn-brickrd, ltgy-gy, blu grn, sft-sl frm-frm, sbblky-plty, rthy, dull, occ thn calc lam, occ grd to clyst

LS off wh-dkgy, sft-frm, micxl, plty, dull, pt arg, oom por, occ foss frag, tr SS cl-transl-ltgy, pred lse qtz grn

CLTST lt blu, gygr, lt blugy, sft-frm, britt, sm-rthy tex, vsl-ncalc, occ mic mica, pred n calc, occ vvsl calc, tr vf disem pyr, occ calc fld fracs

LS off wh, crm-tan, vltgy-gy, MS-PS, pred vf-cxln, occ vsl arg, occ vsl slty, occ pyr repl

CLTST lt blu, gygr, lt blugy, sft-frm, britt, sm-rthy tex, vsl-ncalc, occ mic mica, pred n calc, occ vvsl calc, tr vf disem pyr, occ calc fld fracs

LS off wh, crm-tan, vltgy-gy, MS-PS, pred vf-cxln, occ vsl arg, occ vsl slty, occ pyr repl

CLTST lt blu, gygr, lt blugy, sft-frm, britt, sm-rthy tex, vsl-ncalc, occ mic mica, pred n calc, occ vvsl calc, tr vf disem pyr, occ calc fld fracs, occ grd to SH

LS off wh, crm-tan, vltgy-gy, MS-PS, pred vf-cxln, occ vsl arg, occ vsl slty, occ pyr repl

SH ltgy-grngy, blugrn, sft-sl frm, rthy-wxy tex, occ sl slty, occ grd to CLYST

SS clr-transl-wh-ltgy, f-vf gr, occ m grn, sbrnd-sbang, fros-clr, m-w sort, non calc, tr pyr

SLTST drkgy, sl frm- frm, plty-sbblky, rthy w vitr specs, rthy-grty tex, occ sl slty, decr SS cl-transl-ltgy, pred lse qtz grn. ool

SS clr-transl-wh-ltgy, lse qtz grns, fri, f-vf gr, occ m grn, sbrnd-sbang, fros-clr, m-w sort, non calc, tr pyr

03/18/23
03/19/23
03/20/23
03/21/23
2359 Hrs

SH ltgy-grngy, blugrn, sft-sl frm, rthy-wxy tex, occ sl slty

GABBRO red-blk, rd-wht, crs-med xln, iron rich, 60% plag, 30% pyrox, 10% olivine, mafic, weathered, occ cly in mtx, occ pyr

TOOH
MUD Wt 9.1 Vis 37

SH ltgy-grngy, blugrn, sft-sl frm, rthy-wxy tex, occ sl slty

GABBRO red-blk, rd-wht, grn, med-f xln, iron rich, 70% plag, 15% pyrox, 15% olivine, fe ox, mafic, weathered, tr cly in mtx, tr pyr

03/22/23 2359 Hrs

MUD Wt 8.9 Vis 36

GABBRO red-blk, rd-wht, grn, med-f xln, 50% plag, 30% pyrox, 20% olivine, mafic, sl to non weathered, tr cly in mtx, tr pyr

MUD Wt 9.2 Vis 34

GABBRO red-blk, rd-wht, grn, med-f xln, iron rich, 60% plag, 20% pyrox, 20% olivine, mafic, weathered, tr cly in mtx, tr pyr

GABBRO red-blk, rd-wht, grn, med-f xln, iron rich, 50% plag, 20% pyrox, 30% olivine, mafic, weathered, tr cly in mtx, tr pyr

GABBRO red-blk, rd-wht, grn, med-f xln, iron rich, 60% plag, 20% pyrox, 20% olivine, mafic, weathered, tr cly in mtx, tr pyr

GABBRO red-blk, rd-wht, grn, med-f xln, iron rich, 40% plag, 40% pyrox, 20% olivine, mafic, weathered, tr cly in mtx, tr pyr

MUD Wt 9.4 Vis 34

GABBRO red-blk, rd-wht, grn, med-f xln, iron rich, 40% plag, 40% pyrox, 20% olivine, mafic, weathered, tr cly in mtx, tr pyr

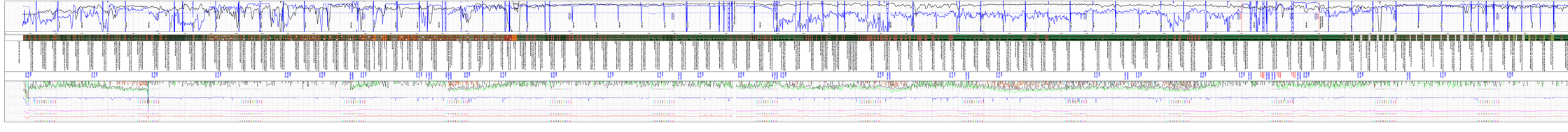
GABBRO red-blk, rd-wht, grn, med-f xln, iron rich, 40% plag, 40% pyrox, 20% olivine, mafic, weathered, tr cly in mtx, tr pyr

GABBRO grn-blk, rd-wht, grn, med-f xln, 50% olivine, 30% plag, 20% pyrox, mafic, sl to non weathered

MUD Wt 9.4 Vis 36

GABBRO red-blk, rd-wht, grn, med-f xln, 60% plag, 20% pyrox, 10% olivine, mafic, occ hemitite, weathered

GABBRO red-blk, rd-wht, grn, med-f xln, 50% plag, 30% pyrox, 20% olivine, mafic, occ hemitite, weathered



White Mountain Operating
Bringing Excellence to the Surface

INVOICE NO
940-0203

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_BALSMEIER

ACCOUNT NO	AFE NUMBER	COST CODE	DATE SHIPPED	TERMS	INVOICE DATE	PAGE
KXPRES				Net 30	11/4/2022	1

Balsmeier
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. 04, 2022 **Field Ticket:** 940-0203

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

Well #: Balsmeier **Rig#:** 940

WMO AFE#: KXP_252KS_Balsmeier

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:	3/20/2023
Invoice #:	0367238
Lease Name:	Balsmeier
Well #:	21-32 (New)
County:	Marshall, Ks
Job Number:	EP7932
District:	East

Date/Description	HRS/QTY	Rate	Total
Intermediate	0.000	0.000	0.00
Heavy Eq Mileage	180.000	4.000	720.00
Light Eq Mileage	360.000	2.000	720.00
Ton Mileage	4,305.000	1.500	6,457.50
Cement Pump Service	1.000	2,500.000	2,500.00
H-325	230.000	22.500	5,175.00
H-CON	230.000	30.000	6,900.00
KOL Seal	1,630.000	0.750	1,222.50
Cello Flake	120.000	1.750	210.00
Pheno Seal	230.000	1.750	402.50
Cement Plug Container	1.000	250.000	250.00
Cement Blending & Mixing	470.000	1.400	658.00
8 5/8" Centralizer x 12 1/4"	10.000	100.000	1,000.00
Guide Shoe Reg 8 5/8"	1.000	600.000	600.00
8 5/8" Float Collar	1.000	1,000.000	1,000.00
8 5/8" Top rubber plug	1.000	200.000	200.00
Threadlock Compount kit	1.000	100.000	100.00
8 5/8" Cementing basket	2.000	500.000	1,000.00
Senior Supervisor	1.000	800.000	800.00

Total 29,915.50

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 #	Balsmeier, 21-32			Date	3/20/2023
Service District	East	County & State	Marshall< ks	Legals S/T/R		Job #	
Job Type	Intermediate	☑ PROD ☐ INJ ☐ SWD		New Well?	☑ YES ☐ No	Ticket #	EP7932

Equipment #	Driver
97	Garrett S
209	Nick B
246	T/C
247	Trevor 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

Set 2730' of 8 5/8" casing in 12 1/4" hole; target TOC at 1400' calculated at +40% excess; Lead: HCon + 2# Kolseal + 1/2# Cello - 12.5#, 2.25Y; thickened to 13.8# 1.75Y for last 90 sxs; Tail: H325 + 5# Kolseal + 1# Phenoseal - 14.8# 1.42Y. Float equipment delivered to the rig before.

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
M010	Heavy Equipment Mileage	mi	180.00			$720.00
M015	Light Equipment Mileage	mi	360.00			$720.00
M020	Ton Mileage	tm	4,305.00			$6,457.50
C020	Cement Pump Service	ea	1.00			$2,500.00
CP015	H-325	sack	230.00			$5,175.00
CP025	H-Con	sack	230.00			$6,900.00
CP110	Kol Seal	lb	1,630.00			$1,222.50
CP120	Cello-flake	lb	120.00			$210.00
CP125	Pheno Seal	lb	230.00			$402.50
C030	Cement Service - Standby	hr	-			$0.00
C050	Cement Plug Container	job	1.00			$250.00
C060	Cement Blending & Mixing Service	sack	470.00			$658.00
FE250	8 5/8" Centralizer	ea	10.00			$1,000.00
FE260	8 5/8" Guide Shoe	ea	1.00			$600.00
FE271	8 5/8" Float Collar - AFU	ea	1.00			$1,000.00
FE285	8 5/8" Rubber Plug	ea	1.00			$200.00
FE375	Thread Lock Compound Kit	ea	1.00			$100.00
FE255	8 5/8" Cement Basket	ea	2.00			$1,000.00
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:	$29,915.50		
Total Taxable	$ -	Tax Rate:	
Sale Tax:	$ -		
Total:	$ 29,915.50		

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: 378-2023/03/16

CEMENT TREATMENT REPORT

Customer:	High Plains Resources	Well:	Balsmeier, 21-32	Ticket:	EP7932
City, State:		County:	Marshall, KS	Date:	3/20/2023
Field Rep:		S-T-R:		Service:	Intermediate

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	2730 ft
Casing Size:	8 5/8 in
Casing Depth:	2682 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	Float Collar
Tool Depth:	2678 ft
Displacement:	bbls

Calculated Slurry - Lead	
Blend:	H-Con 2# kol
Weight:	ppg
Water / Sx:	5.4 gal / sx
Yield:	2.25-1.75 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	230 sx

Calculated Slurry - Tail	
Blend:	H-325 5# kol
Weight:	ppg
Water / Sx:	6.7 gal / sx
Yield:	1.42 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	230 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
11:30 AM			-	-	On location, Rig was running 8 5/8" casing 28# to 2682
				-	
1:30 PM				-	Rigged up cement equipment, Saftey Meeting
	5.0			-	Established circulation with 30BBL of fresh water
	6.0	150.0		-	Mixed and pumped 230 sks of H-con Cement with 2#KOL , Mixed the first 140sks at 12.5, mixed the last 90 at 13.8#
	6.0	200.0		-	Mixed and pumped 230 sks of H-325 Cement with 5# KOL, Mixed at 14.8 #
				-	Switched valves on plug container, dropped plug
	6.0	1,000.0		-	Pumped the plug to float collar at 2678' with 167 BBL of fresh water
3:11 PM	1.5	1,500.0		-	Landed the plug with 1500PSI, held pressure, shut in valves on plug container.
				-	Washed up equipment
				-	
3:30 PM					Left location

	CREW	UNIT
Cementer:	Garrett S	97
Pump Operator:	Nick B	209
Bulk #1:	T/C	246
Bulk #2:	Trevor G	247

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.9 bpm	713 psi	- bbls

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:	3/11/2023
Invoice #:	0367116
Lease Name:	Balsmeier
Well #:	21-32 (New)
County:	Marshall, Ks
Job Number:	EP7833
District:	East

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Heavy Eq Mileage	180.000	4.000	720.00
Light Eq Mileage	360.000	2.000	720.00
Ton Mileage	1,170.000	1.500	1,755.00
Cement Pump Service	1.000	1,500.000	1,500.00
Cement Eq Standby time	5.000	350.000	1,750.00
Cement Plug Container 13 3/8"	1.000	500.000	500.00
Cement Blending & Mixing	130.000	1.400	182.00
H-325	130.000	22.500	2,925.00
Senior Supervisor	1.000	800.000	800.00
13 3/8" Centralizer	1.000	125.000	125.00
13 3/8" Guide Shoe	1.000	1,000.000	1,000.00
13 3/8" Rubber Plug	1.000	575.000	575.00
Sugar	75.000	3.000	225.00

Total 12,777.00

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 #	Balsmeier 21-32			Date	3/11/2023
Service District	Garnett	County & State	Marshall - KS	Legals S/T/R		Job #	
Job Type	Surface	☑ PROD ☐ INJ ☐ SWD		New Well?	☑ YES ☐ No	Ticket #	EP7833

Equipment #	Driver
97	Garrett S.
209	Nick B.
247	Devin K

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; delivered 13 3/8" equipment day before;

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
M010	Heavy Equipment Mileage	mi	180.00			$720.00
M015	Light Equipment Mileage	mi	360.00			$720.00
M020	Ton Mileage	tm	1,170.00			$1,755.00
C015	Cement Pump Service	ea	1.00			$1,500.00
C030	Cement Service - Standby	hr	5.00			$1,750.00
C051	Cement Plug Container - 13 3/8"	ea	1.00			$500.00
C060	Cement Blending & Mixing Service	sack	130.00			$182.00
CP015	H-325	sack	130.00			$2,925.00
R060	Senior Supervisor	day	1.00			$800.00
FE340	13 3/8" Centralizer	ea	1.00			$125.00
FE355	13 3/8" Guide Shoe	ea	1.00			$1,000.00
FE365	13 3/8" Rubber Plug	ea	1.00			$575.00
CP180	Sugar	lb	75.00			$225.00

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:	$12,777.00
Total Taxable	$ -	Tax Rate:	
		Sale Tax:	$ -
		Total:	$ 12,777.00

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**

ftv: 15-2021/01/25
mplv: 375-2023/03/10

CEMENT TREATMENT REPORT

Customer:	High Plains Resources	Well:	Balsmeier 21-32	Ticket:	EP7833
City, State:		County:	Marshall - KS	Date:	3/11/2023
Field Rep:	Jennifer Olsen	S-T-R:		Service:	Surface

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	in	Blend:	H-325	Blend:	
Hole Depth:	260 ft	Weight:	15.1 ppg	Weight:	ppg
Casing Size:	13 3/8 in	Water / Sx:	6.5 gal / sx	Water / Sx:	gal / sx
Casing Depth:	254 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:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	bbls	Total Slurry:	0.0 bbls	Total Slurry:	0.0 bbls
		Total Sacks:	0 sx	Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
			-	-	3.9.23 - GS delivered 13 3/8" float equipment to rig and plug container;
5:00 PM				-	3.10.23 - On location, rig was getting ready to run casing;
11:15 PM				-	Set up equipment, saftey meeting
				-	Established a rate with 10 BBL of water
				-	Mixed and pumped 130 sks of H-325 cement - 31.25 bbl slurry
				-	Switched valves on the plug container, displaced the 13 3/8" rubber plug with 37 BBL of water, circulated 5 bbl cement to pit;
12:00 AM		250.0		-	Left 25' of cement in the casing , shut in casing
.				-	Washed up equipment
				-	
12:45 AM				-	Left location
				-	

	CREW	UNIT
Cementer:	Garrett S.	97
Pump Operator:	Nick B.	209
Bulk #1:	Devin K	247
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
0.0 bpm	250 psi	- bbls

DRILL STEM TEST REPORT

Prepared For: **High Plains Resources**

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

Balsmeier #21-32

32-3s-6e Marshall,KS

Start Date: 2023.04.14 @ 20:30:00

End Date: 2023.04.16 @ 02:57:00

Job Ticket #: 70321 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.04.20 @ 16:57:23

DRILL STEM TEST REPORT

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70321 **DST#: 1**

Test Start: 2023.04.14 @ 20:30:00

GENERAL INFORMATION:

Formation: **Granite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:33:30
Time Test Ended: 02:57:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Terrance
Unit No: 75

Interval: 5620.00 ft (KB) To 6066.00 ft (KB) (TVD)
Total Depth: 6066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

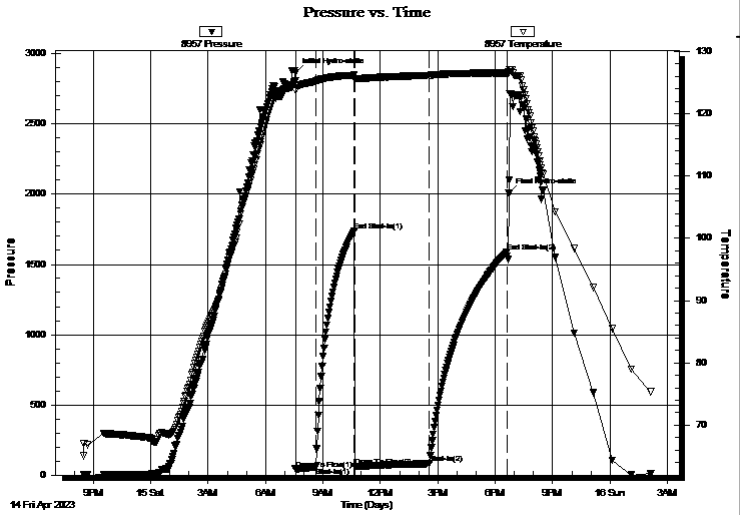
Reference Elevations: 1305.00 ft (KB)
1292.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8957 **Inside**

Press@RunDepth: 81.99 psig @ 5624.00 ft (KB)
Start Date: 2023.04.14 End Date: 2023.04.16
Start Time: 20:30:05 End Time: 02:56:59

Capacity: 8000.00 psig
Last Calib.: 2023.04.16
Time On Btm: 2023.04.15 @ 07:33:15
Time Off Btm: 2023.04.15 @ 18:42:00

TEST COMMENT: IF-60-No blow
ISI-120-No return
FF-240-No blow
FSI-240-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2866.11	125.30	Initial Hydro-static
1	44.80	123.72	Open To Flow (1)
64	56.45	125.20	Shut-In(1)
185	1738.13	126.17	End Shut-In(1)
186	60.78	125.42	Open To Flow (2)
420	81.99	126.13	Shut-In(2)
664	1590.97	126.53	End Shut-In(2)
669	2006.52	126.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	mud	1.37

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

High Plains Resources
600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70321 **DST#: 1**

Test Start: 2023.04.14 @ 20:30:00

GENERAL INFORMATION:

Formation: **Granite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:33:30
Time Test Ended: 02:57:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Terrance
Unit No: 75

Interval: 5620.00 ft (KB) To 6066.00 ft (KB) (TVD)
Total Depth: 6066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

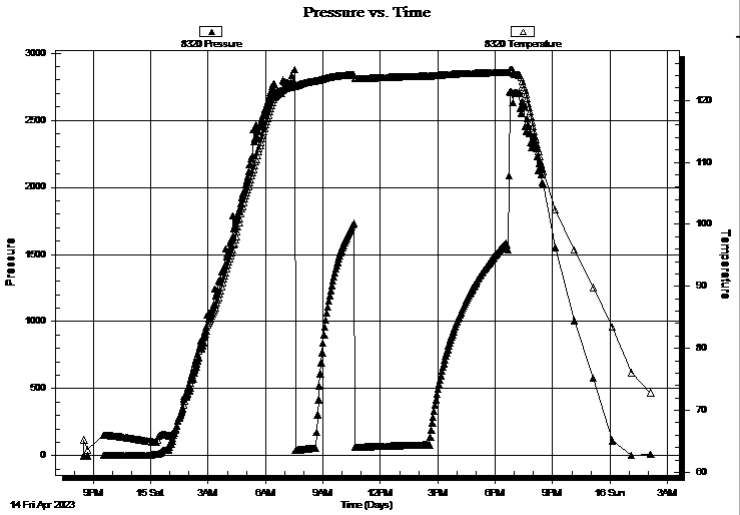
Reference Elevations: 1305.00 ft (KB)
1292.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8320 **Inside**

Press@RunDepth: psig @ 5624.00 ft (KB)
Start Date: 2023.04.14 End Date: 2023.04.16
Start Time: 20:30:05 End Time: 02:56:59

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT:
IF-60-No blow
ISI-120-No return
FF-240-No blow
FSI-240-No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
100.00	mud	1.37

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70321 **DST#: 1**

Test Start: 2023.04.14 @ 20:30:00

Tool Information

Drill Pipe:	Length:	5601.00 ft	Diameter:	3.75	inches	Volume:	76.51	bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	Weight to Pull Loose:	110000.0 lb
						Total Volume:	76.51	bbl	Tool Chased	ft
Drill Pipe Above KB:		15.00 ft							String Weight: Initial	70000.00 lb
Depth to Top Packer:		5620.00 ft							Final	70000.00 lb
Depth to Bottom Packer:		ft								
Interval between Packers:		446.00 ft								
Tool Length:		480.00 ft								
Number of Packers:		2	Diameter:	6.88	inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			5591.00		
Sampler	3.00			5594.00		
Hydraulic tool	5.00			5599.00		
Jars	5.00			5604.00		
EM Sub	3.00			5607.00		
Safety Joint	3.00			5610.00		
Packer	5.00			5615.00	34.00	Bottom Of Top Packer
Packer	5.00			5620.00		
Stubb	1.00			5621.00		
Perforations	2.00			5623.00		
Change Over Sub	1.00			5624.00		
Recorder	0.00	8957	Inside	5624.00		
Recorder	0.00	8320	Inside	5624.00		
Drill Pipe	438.00			6062.00		
Change Over Sub	1.00			6063.00		
Bullnose	3.00			6066.00	446.00	Bottom Packers & Anchor
Total Tool Length:	**480.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70321 **DST#: 1**

Test Start: 2023.04.14 @ 20:30:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	700.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

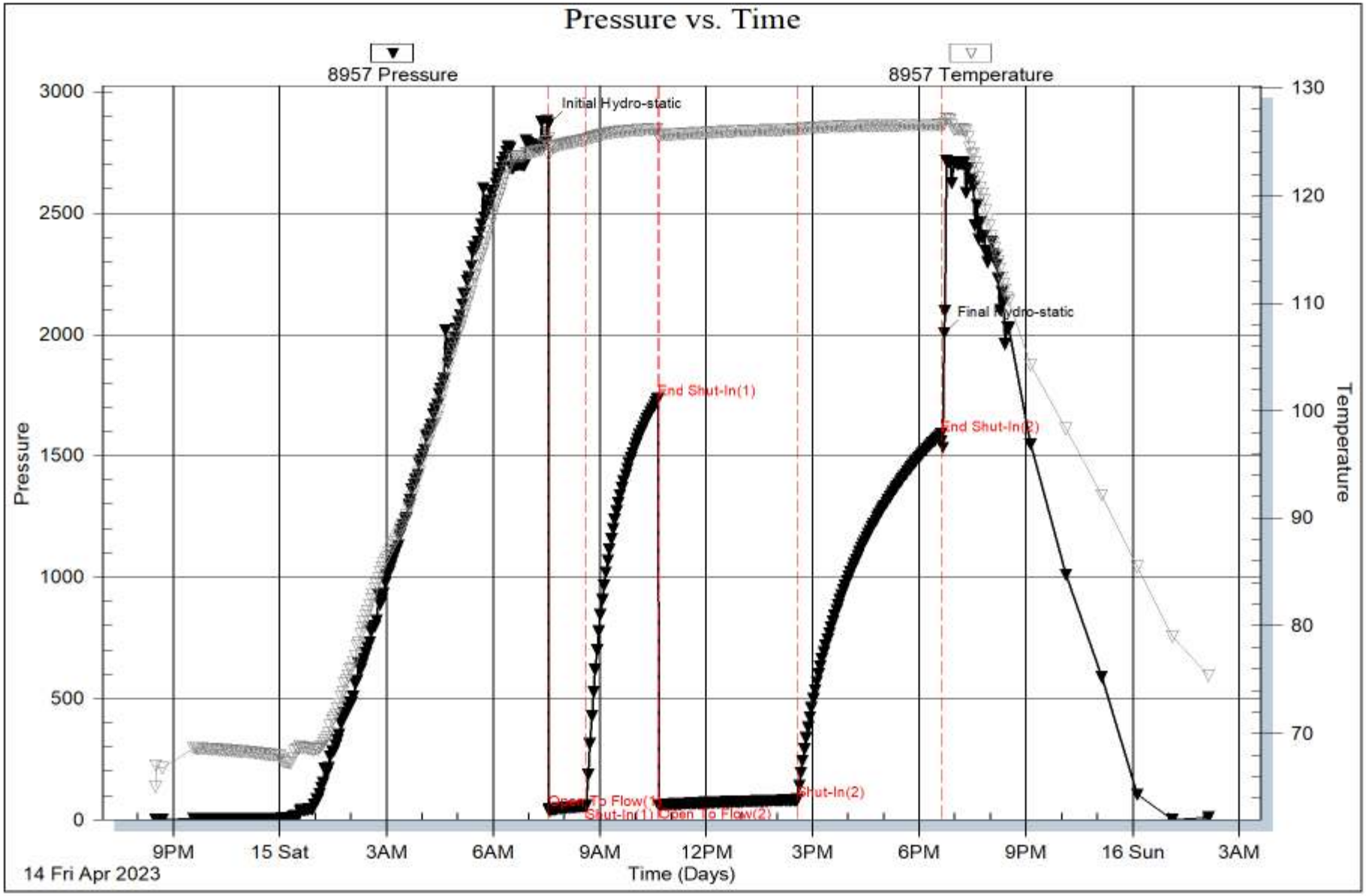
Length ft	Description	Volume bbl
100.00	mud	1.366

Total Length: 100.00 ft Total Volume: 1.366 bbl

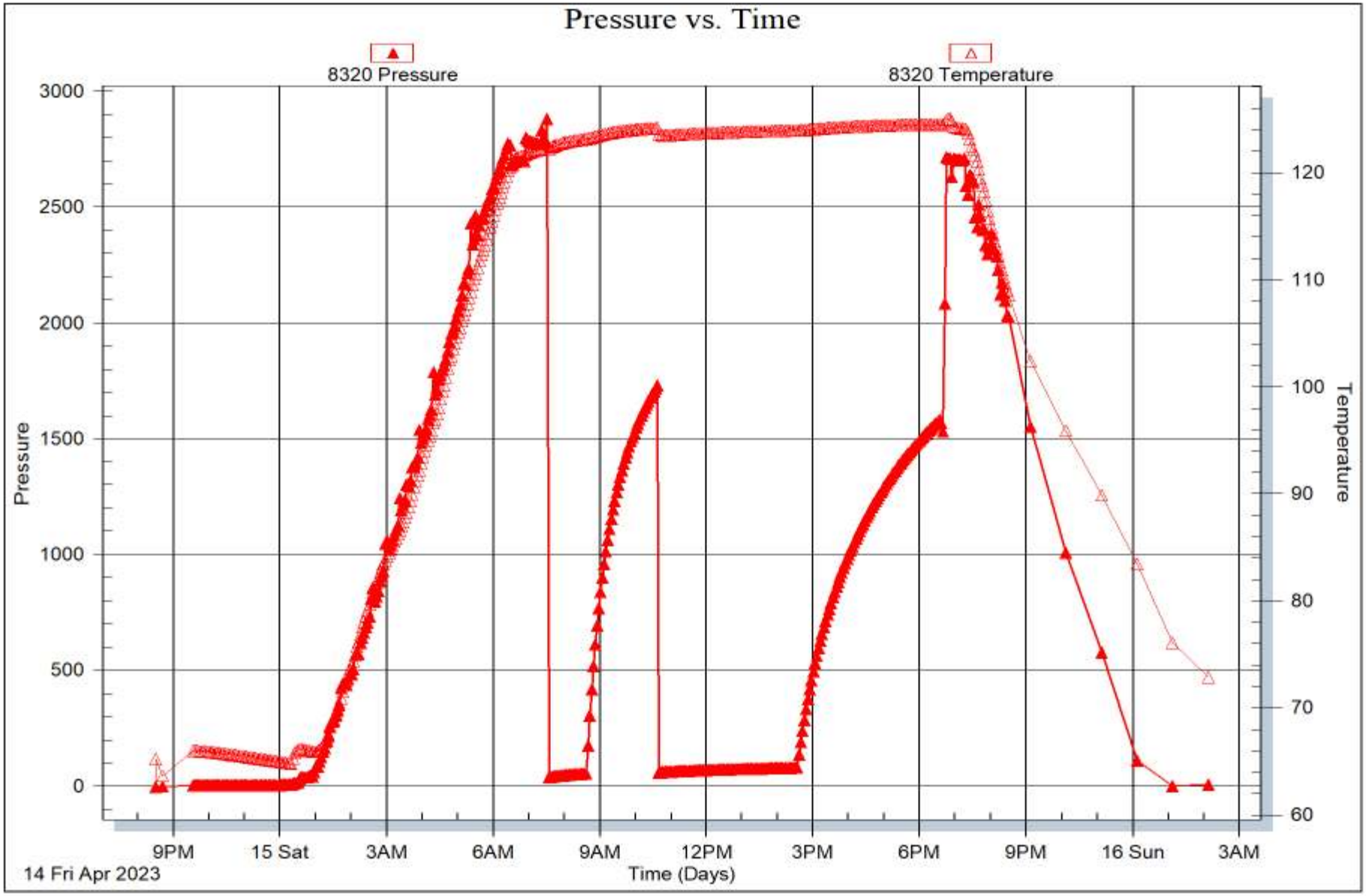
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8957 Pressure
8957 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
3000
2500
2000
1500
1000
500
0
130
120
110
100
90
80
70
9PM
15 Sat
3AM
6AM
9AM
12PM
3PM
6PM
9PM
16 Sun
3AM
14 Fri Apr 2023
Time (Days)

Serial #: 8320 **Inside** High Plains Resources Balsmeier #21-32 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 70321 Printed: 2023.04.20 @ 16:57:24

DRILL STEM TEST REPORT

Prepared For: **High Plains Resources**

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

Balsmeier #21-32

32-3s-6e Marshall,KS

Start Date: 2023.04.16 @ 05:30:00

End Date: 2023.04.17 @ 08:17:00

Job Ticket #: 70322 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.04.20 @ 16:56:37

DRILL STEM TEST REPORT

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70322 **DST#: 2**

Test Start: 2023.04.16 @ 05:30:00

GENERAL INFORMATION:

Formation: **Granite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:42:15
Time Test Ended: 08:17:00

Test Type: Conventional Straddle (Reset)
Tester: Terrance
Unit No: 75

Interval: 5240.00 ft (KB) To 5480.00 ft (KB) (TVD)
Total Depth: 6066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

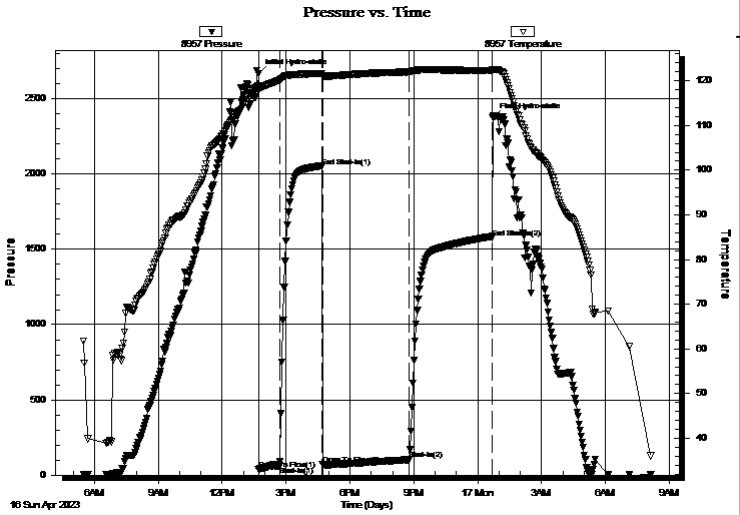
Reference Elevations: 1305.00 ft (KB)
1292.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8957 **Inside**

Press@RunDepth: 101.85 psig @ 5249.00 ft (KB)
Start Date: 2023.04.16 End Date: 2023.04.17
Start Time: 05:30:05 End Time: 08:16:59

Capacity: 8000.00 psig
Last Calib.: 2023.04.17
Time On Btm: 2023.04.16 @ 13:41:45
Time Off Btm: 2023.04.17 @ 00:42:00

TEST COMMENT: IF-60-Weak surface blow - died in 5 min
ISI-120-No return
FF-240-No blow
FSI-240-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2667.47	118.94	Initial Hydro-static
1	40.21	118.15	Open To Flow (1)
61	59.05	120.13	Shut-In(1)
180	2048.70	121.60	End Shut-In(1)
181	70.60	121.04	Open To Flow (2)
425	101.85	122.01	Shut-In(2)
659	1578.00	122.27	End Shut-In(2)
661	2372.56	122.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	WM 10%WATER 90%MUD	1.64

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70322 **DST#: 2**

Test Start: 2023.04.16 @ 05:30:00

GENERAL INFORMATION:

Formation: **Granite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:42:15
Time Test Ended: 08:17:00

Test Type: Conventional Straddle (Reset)
Tester: Terrance
Unit No: 75

Interval: 5240.00 ft (KB) To 5480.00 ft (KB) (TVD)
Total Depth: 6066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

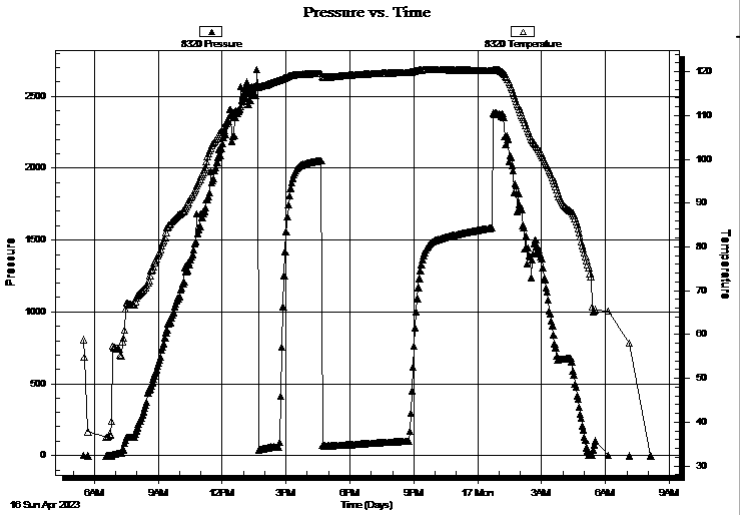
Reference Elevations: 1305.00 ft (KB)
1292.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8320 **Inside**

Press@RunDepth: psig @ 5249.00 ft (KB)
Start Date: 2023.04.16 End Date: 2023.04.17
Start Time: 05:30:05 End Time: 08:16:59

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF-60-Weak surface blow - died in 5 min
ISI-120-No return
FF-240-No blow
FSI-240-No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	WM 10%WATER 90%MUD	1.64

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70322 **DST#: 2**

Test Start: 2023.04.16 @ 05:30:00

GENERAL INFORMATION:

Formation: **Granite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:42:15
Time Test Ended: 08:17:00

Test Type: Conventional Straddle (Reset)
Tester: Terrance
Unit No: 75

Interval: 5240.00 ft (KB) To 5480.00 ft (KB) (TVD)
Total Depth: 6066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

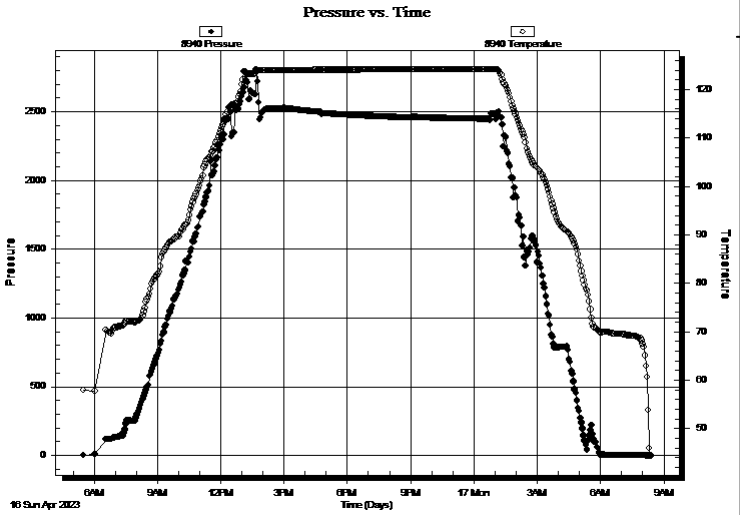
Reference Elevations: 1305.00 ft (KB)
1292.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8940 **Below (Straddle)**

Press@RunDepth: psig @ 5492.00 ft (KB)
Start Date: 2023.04.16 End Date: 2023.04.17
Start Time: 05:30:05 End Time: 08:23:14

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF-60-Weak surface blow - died in 5 min
ISI-120-No return
FF-240-No blow
FSI-240-No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	WM 10%WATER 90%MUD	1.64

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70322 **DST#: 2**

Test Start: 2023.04.16 @ 05:30:00

Tool Information

Drill Pipe:	Length:	5208.00 ft	Diameter:	3.75 inches	Volume:	71.14 bbl		Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl		Weight set on Packer:		30000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl		Weight to Pull Loose:		110000.0 lb
					Total Volume:	71.14 bbl		Tool Chased		ft
Drill Pipe Above KB:		2.00 ft						String Weight:	Initial	70000.00 lb
Depth to Top Packer:		5240.00 ft							Final	70000.00 lb
Depth to Bottom Packer:		6082.00 ft								
Interval betw een Packers:		842.00 ft								
Tool Length:		876.00 ft								
Number of Packers:		3	Diameter:	6.88 inches						

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			5211.00		
Sampler	3.00			5214.00		
Hydraulic tool	5.00			5219.00		
Jars	5.00			5224.00		
EM Sub	3.00			5227.00		
Safety Joint	3.00			5230.00		
Packer	5.00			5235.00	34.00	Bottom Of Top Packer
Packer	5.00			5240.00		
Stubb	1.00			5241.00		
Perforations	7.00			5248.00		
Change Over Sub	1.00			5249.00		
Recorder	0.00	8957	Inside	5249.00		
Recorder	0.00	8320	Inside	5249.00		
Drill Pipe	216.00			5465.00		
Perforations	10.00			5475.00		
Blank Off Sub	1.00			5476.00		
Packer - Shale	5.00			5481.00		
Perforations	10.00			5491.00		
Change Over Sub	1.00			5492.00		
Recorder	0.00	8940	Below	5492.00		
Drill Pipe	586.00			6078.00		
Change Over Sub	1.00			6079.00		
Bullnose	3.00			6082.00	842.00	Bottom Packers & Anchor
Total Tool Length:	**876.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70322 **DST#: 2**

Test Start: 2023.04.16 @ 05:30:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	39 deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	45000 ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.99 in³	Gas Cushion Type:			
Resistivity:	0.30 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	700.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

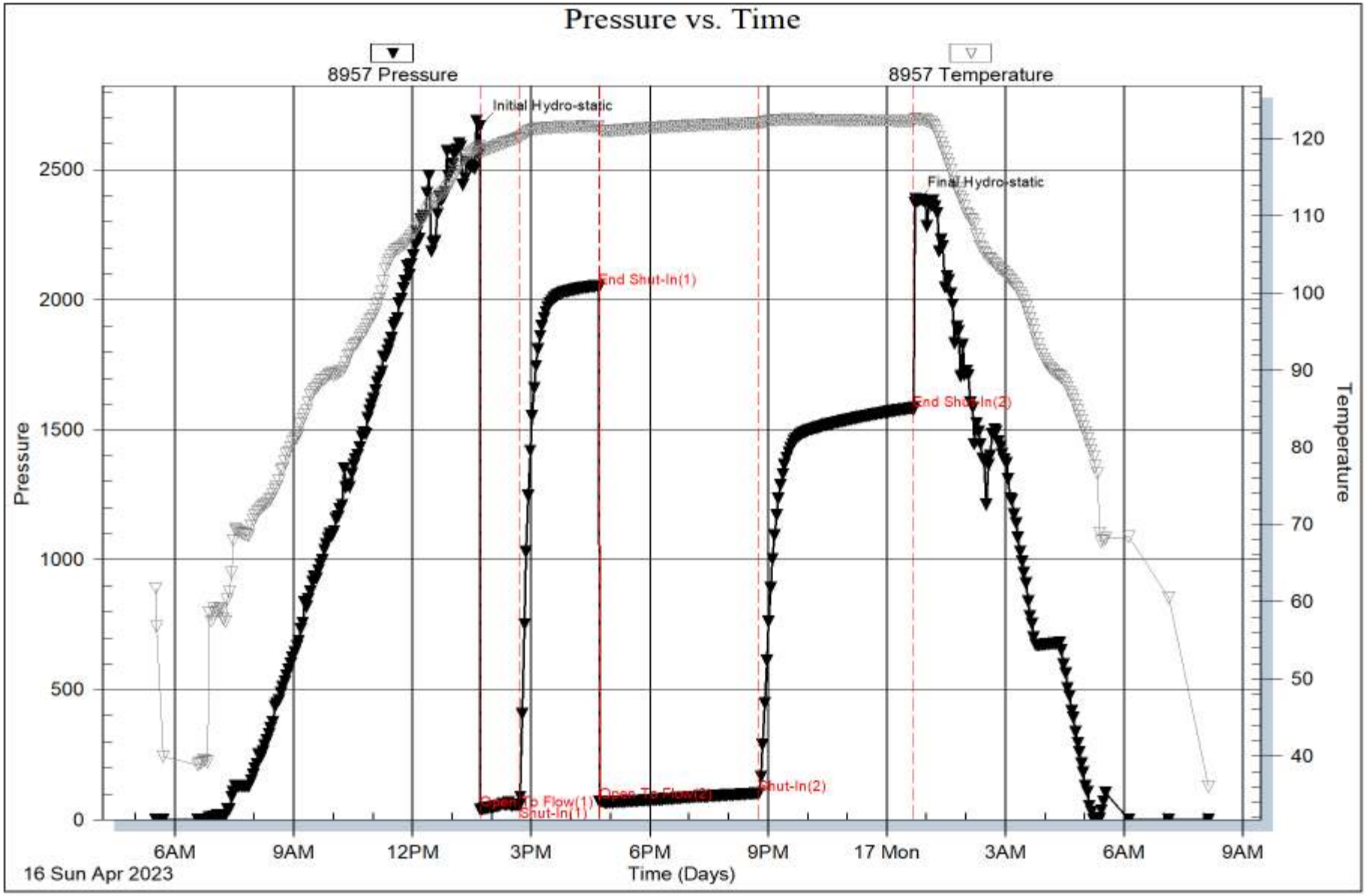
Length ft	Description	Volume bbl
120.00	WM 10%WATER 90%MUD	1.639

Total Length: 120.00 ft Total Volume: 1.639 bbl

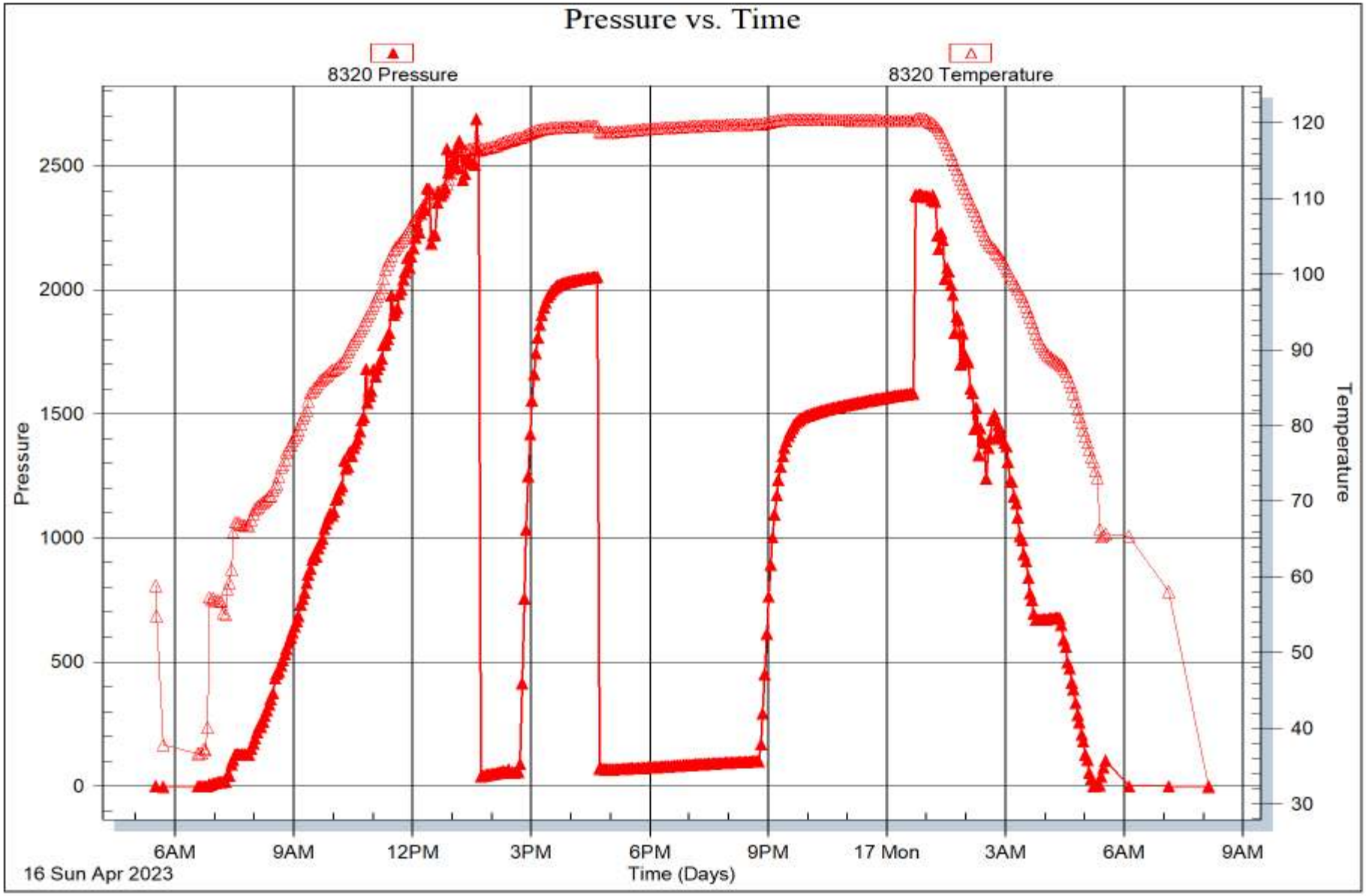
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

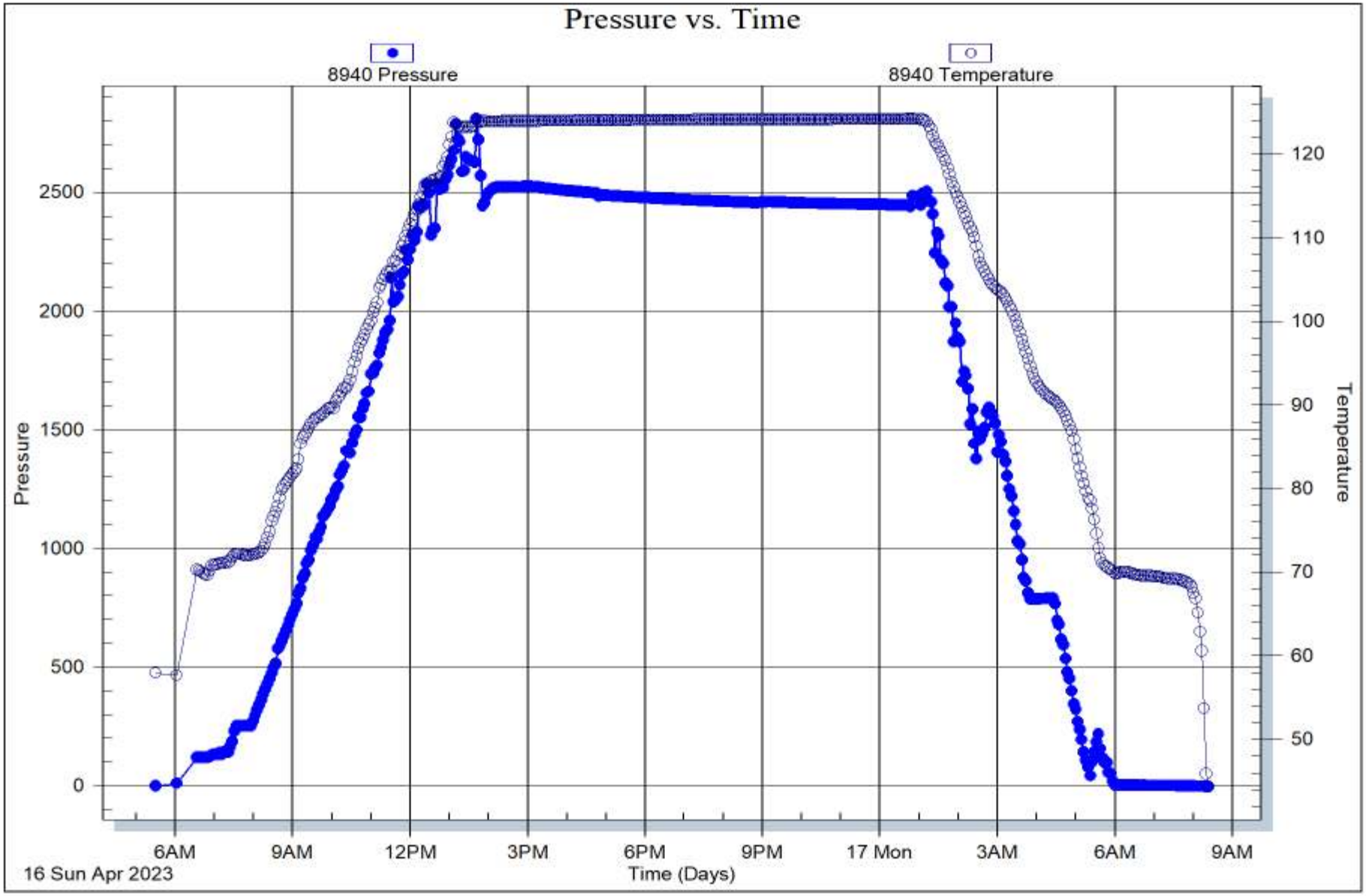
Recovery Comments:


Pressure vs. Time
8957 Pressure
8957 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2500
2000
1500
1000
500
0
120
110
100
90
80
70
60
50
40
6AM
9AM
12PM
3PM
6PM
9PM
17 Mon
3AM
6AM
9AM
16 Sun Apr 2023
Time (Days)

Serial #: 8320 **Inside** High Plains Resources Balsmeier #21-32 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 70322 Printed: 2023.04.20 @ 16:56:38


Pressure vs. Time
8940 Pressure
8940 Temperature
Pressure
Temperature
2500
2000
1500
1000
500
0
120
110
100
90
80
70
60
50
6AM
9AM
12PM
3PM
6PM
9PM
17 Mon
3AM
6AM
9AM
16 Sun Apr 2023
Time (Days)

DRILL STEM TEST REPORT

Prepared For: **High Plains Resources**

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

Balsmeier #21-32

32-3s-6e Marshall,KS

Start Date: 2023.04.17 @ 17:30:00

End Date: 2023.04.18 @ 14:59:15

Job Ticket #: 70323 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.04.20 @ 16:55:56

DRILL STEM TEST REPORT

High Plains Resources
600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70323 **DST#: 3**

Test Start: 2023.04.17 @ 17:30:00

GENERAL INFORMATION:

Formation: **Granite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:10:00
Time Test Ended: 14:59:15

Test Type: Conventional Straddle (Reset)
Tester: Terrance
Unit No: 75

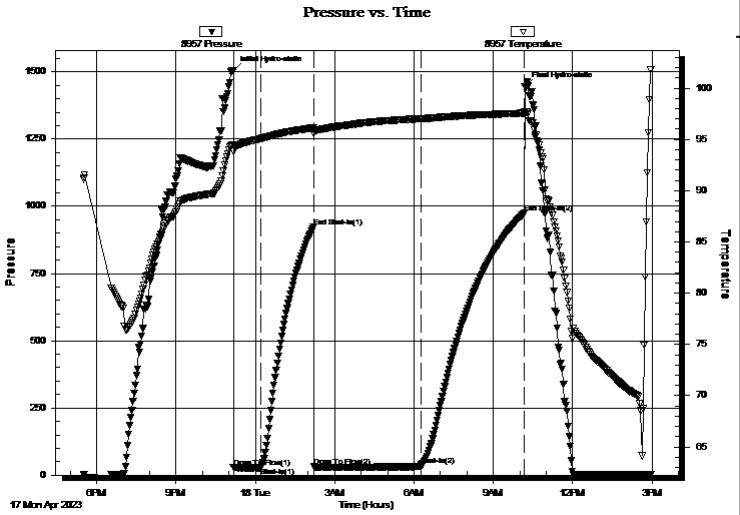
Interval: 3175.00 ft (KB) To 3375.00 ft (KB) (TVD)
Total Depth: 6066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1305.00 ft (KB)
1292.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8957 **Inside**

Press@RunDepth:	35.91 psig @	3187.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2023.04.17	End Date:	2023.04.18	Last Calib.:	2023.04.18
Start Time:	17:30:05	End Time:	14:59:14	Time On Btm:	2023.04.17 @ 23:09:45
				Time Off Btm:	2023.04.18 @ 10:11:30

TEST COMMENT:
IF-60-No blow
ISI-120-No return
FF-240-No blow
FSI-240-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1506.04	94.51	Initial Hydro-static
1	28.29	93.85	Open To Flow (1)
63	27.67	95.08	Shut-In(1)
182	922.45	96.13	End Shut-In(1)
183	33.01	95.56	Open To Flow (2)
427	35.91	97.02	Shut-In(2)
661	975.87	97.55	End Shut-In(2)
662	1446.01	97.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	WM 50%WATER 50%MUD	0.41

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70323 **DST#: 3**

Test Start: 2023.04.17 @ 17:30:00

GENERAL INFORMATION:

Formation: **Granite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:10:00
Time Test Ended: 14:59:15

Test Type: Conventional Straddle (Reset)
Tester: Terrance
Unit No: 75

Interval: 3175.00 ft (KB) To 3375.00 ft (KB) (TVD)
Total Depth: 6066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

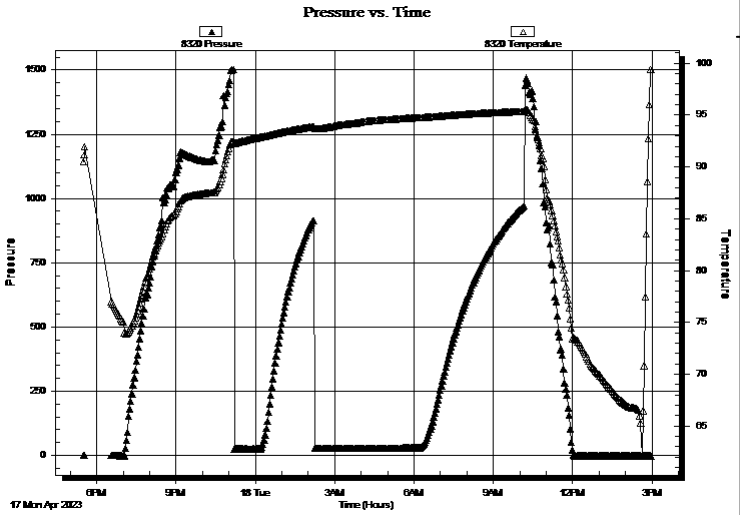
Reference Elevations: 1305.00 ft (KB)
1292.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8320 **Outside**

Press@RunDepth: psig @ 3187.00 ft (KB)
Start Date: 2023.04.17 End Date: 2023.04.18
Start Time: 17:30:05 End Time: 14:59:29

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF-60-No blow
ISI-120-No return
FF-240-No blow
FSI-240-No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	WM 50%WATER 50%MUD	0.41

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

High Plains Resources
600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70323 **DST#: 3**

Test Start: 2023.04.17 @ 17:30:00

GENERAL INFORMATION:

Formation: **Granite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:10:00
Time Test Ended: 14:59:15

Test Type: Conventional Straddle (Reset)
Tester: Terrance
Unit No: 75

Interval: 3175.00 ft (KB) To 3375.00 ft (KB) (TVD)
Total Depth: 6066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

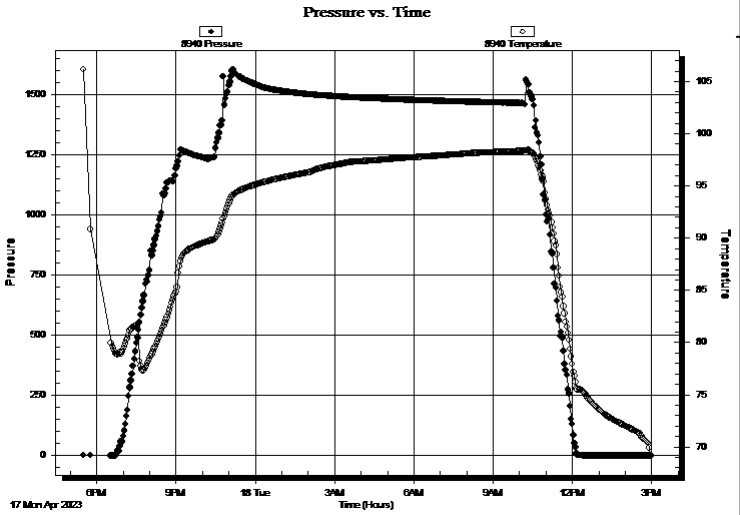
Reference Elevations: 1305.00 ft (KB)
1292.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8940 **Below (Straddle)**

Press@RunDepth: psig @ 3392.00 ft (KB)
Start Date: 2023.04.17 End Date: 2023.04.18
Start Time: 17:30:05 End Time: 14:59:59

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF-60-No blow
ISI-120-No return
FF-240-No blow
FSI-240-No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	WM 50%WATER 50%MUD	0.41

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70323 **DST#: 3**

Test Start: 2023.04.17 @ 17:30:00

Tool Information

Drill Pipe:	Length:	3170.00 ft	Diameter:	3.75	inches	Volume:	43.30	bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	Weight to Pull Loose:	75000.00 lb
						Total Volume:	43.30	bbl	Tool Chased	ft
Drill Pipe Above KB:		29.00 ft							String Weight: Initial	58000.00 lb
Depth to Top Packer:		3175.00 ft							Final	58000.00 lb
Depth to Bottom Packer:		3480.00 ft								
Interval between Packers:		305.00 ft								
Tool Length:		339.00 ft								
Number of Packers:		3	Diameter:	6.88	inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3146.00		
Sampler	3.00			3149.00		
Hydraulic tool	5.00			3154.00		
Jars	5.00			3159.00		
EM Sub	3.00			3162.00		
Safety Joint	3.00			3165.00		
Packer	5.00			3170.00	34.00	Bottom Of Top Packer
Packer	5.00			3175.00		
Stubb	1.00			3176.00		
Perforations	10.00			3186.00		
Change Over Sub	1.00			3187.00		
Recorder	0.00	8957	Inside	3187.00		
Recorder	0.00	8320	Outside	3187.00		
Drill Pipe	172.00			3359.00		
Change Over Sub	1.00			3360.00		
Perforations	10.00			3370.00		
Blank Off Sub	1.00			3371.00		
Packer - Shale	4.00			3375.00		
Stubb	1.00			3376.00		
Perforations	10.00			3386.00		
hook wall	6.00			3392.00		
Recorder	0.00	8940	Below	3392.00		
Drill Pipe	84.00			3476.00		
Change Over Sub	1.00			3477.00		
Bullnose	3.00			3480.00	305.00	Bottom Packers & Anchor
Total Tool Length:	**339.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70323 **DST#: 3**

Test Start: 2023.04.17 @ 17:30:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	84 deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	8500 ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.99 in³	Gas Cushion Type:			
Resistivity:	0.61 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	700.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

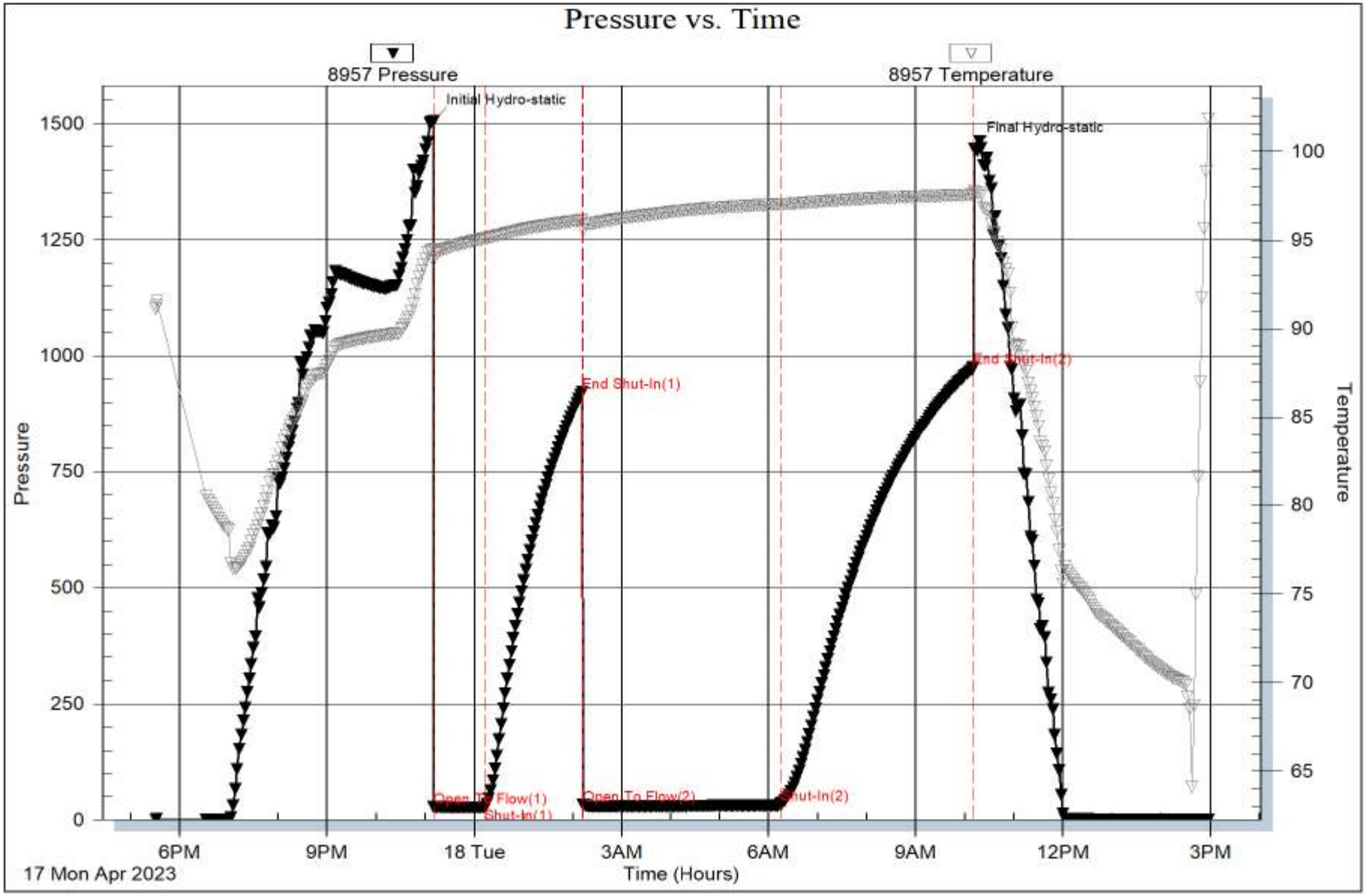
Length ft	Description	Volume bbl
30.00	WM 50%WATER 50%MUD	0.410

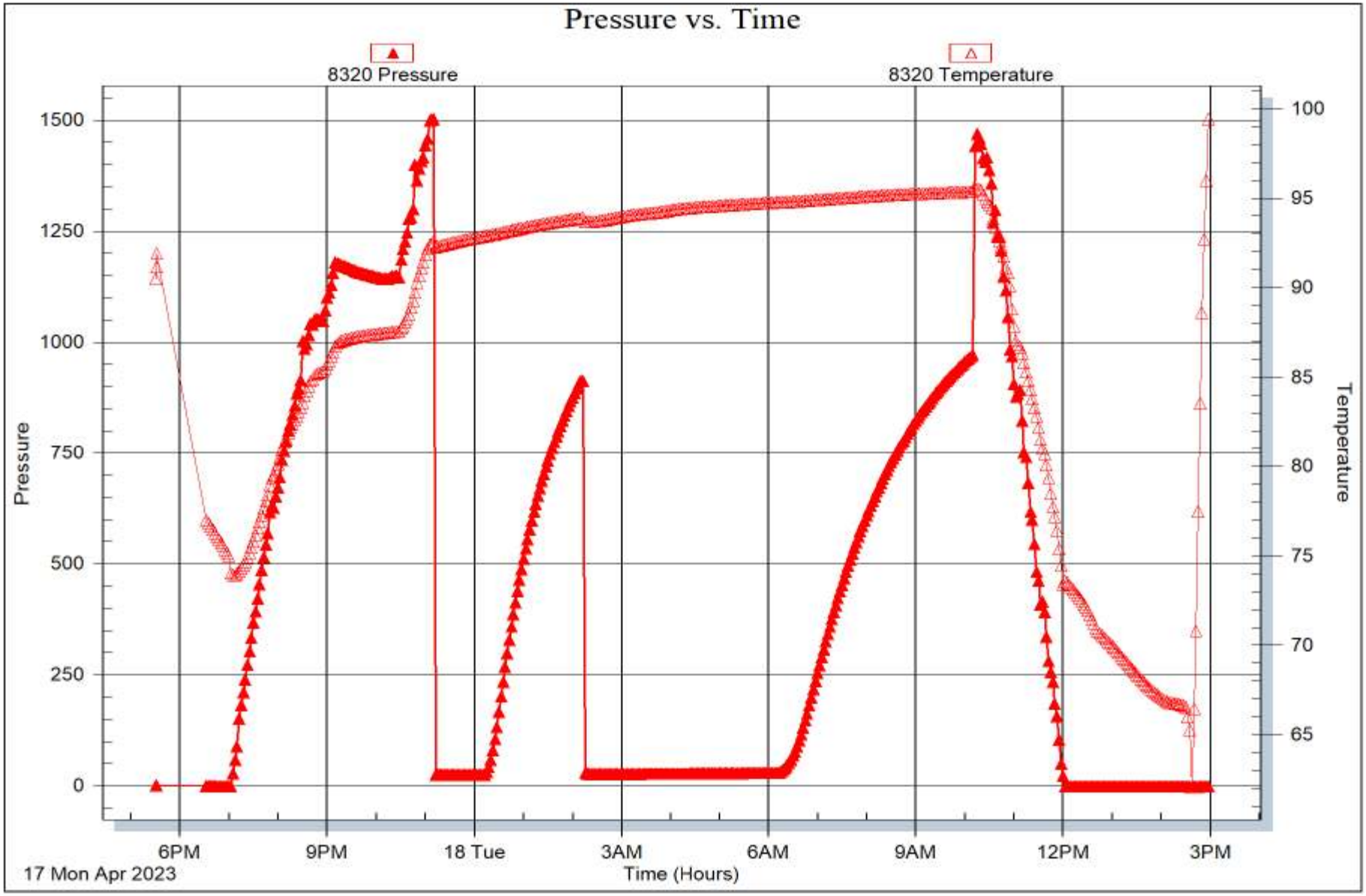
Total Length: 30.00 ft Total Volume: 0.410 bbl

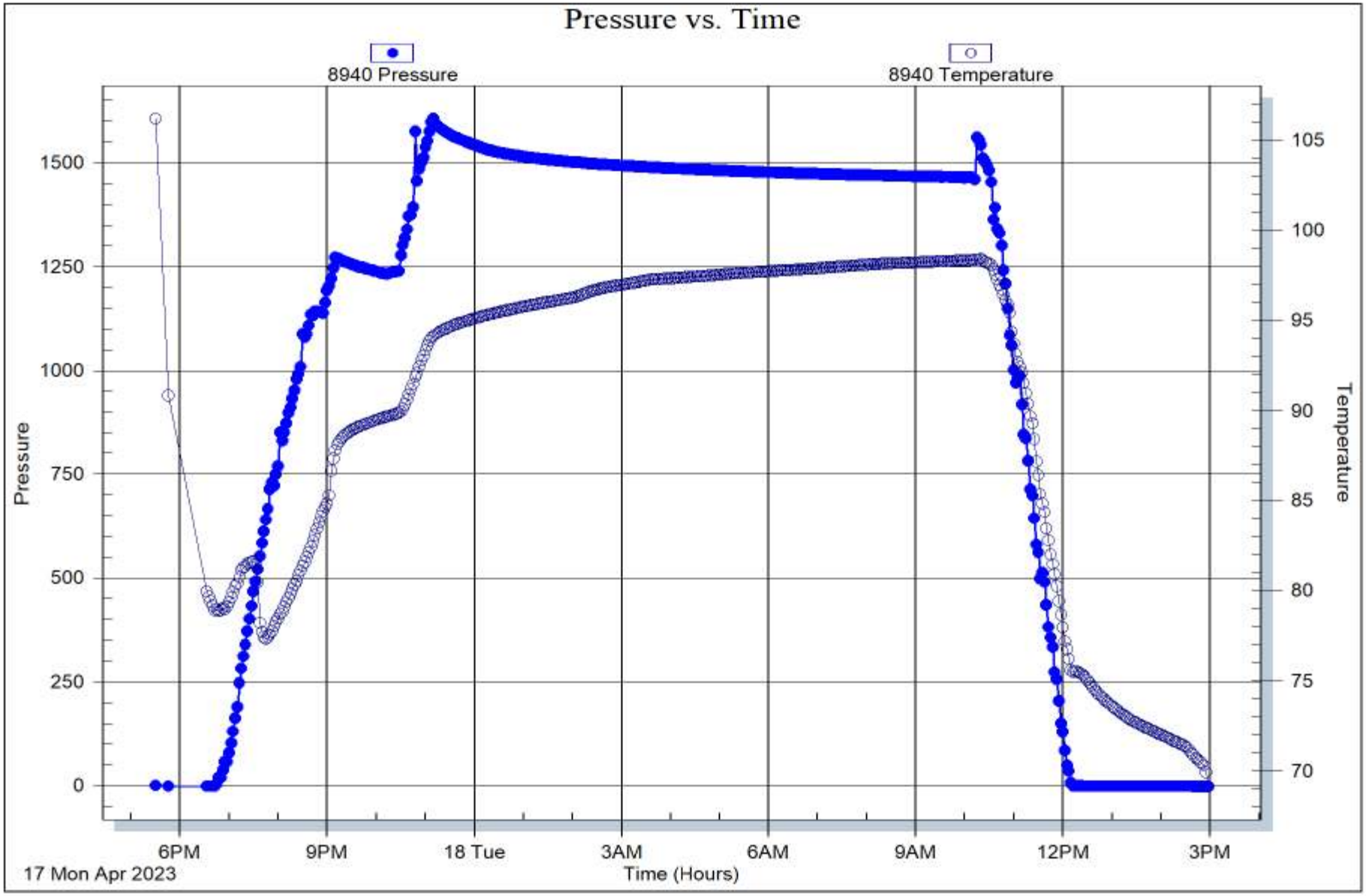
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8957 Pressure
8957 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1500
1250
1000
750
500
250
0
100
95
90
85
80
75
70
65
6PM
9PM
18 Tue
3AM
6AM
9AM
12PM
3PM
17 Mon Apr 2023
Time (Hours)


Pressure vs. Time
8320 Pressure
8320 Temperature
Pressure
Temperature
1500
1250
1000
750
500
250
0
100
95
90
85
80
75
70
65
6PM
9PM
18 Tue
3AM
6AM
9AM
12PM
3PM
17 Mon Apr 2023
Time (Hours)


Pressure vs. Time
8940 Pressure
8940 Temperature
Pressure
Temperature
1500
1250
1000
750
500
250
0
105
100
95
90
85
80
75
70
6PM
9PM
18 Tue
3AM
6AM
9AM
12PM
3PM
17 Mon Apr 2023
Time (Hours)

DRILL STEM TEST REPORT

Prepared For: **High Plains Resources**

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

Balsmeier #21-32

32-3s-6e Marshall,KS

Start Date: 2023.04.18 @ 16:38:05

End Date: 2023.04.19 @ 14:25:29

Job Ticket #: 70324 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.04.20 @ 16:55:04

DRILL STEM TEST REPORT

High Plains Resources
600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70324 **DST#: 4**

Test Start: 2023.04.18 @ 16:38:05

GENERAL INFORMATION:

Formation: **Granite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:53:15
Time Test Ended: 14:25:29

Test Type: Conventional Straddle (Reset)
Tester: Terrance
Unit No: 75

Interval: 3890.00 ft (KB) To 4000.00 ft (KB) (TVD)
Total Depth: 6066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

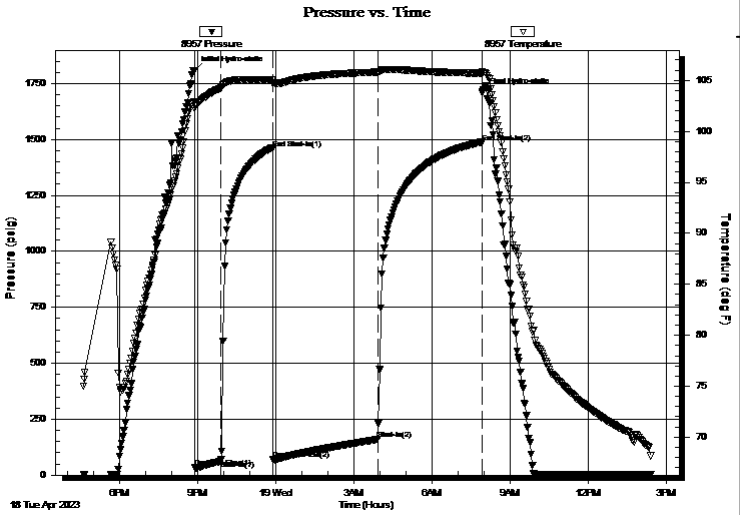
Reference Elevations: 1305.00 ft (KB)
1292.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8957 **Inside**

Press@RunDepth: 160.40 psig @ 3896.00 ft (KB)
Start Date: 2023.04.18 End Date: 2023.04.19
Start Time: 16:38:05 End Time: 14:25:29

Capacity: 8000.00 psig
Last Calib.: 2023.04.19
Time On Btm: 2023.04.18 @ 20:53:00
Time Off Btm: 2023.04.19 @ 07:55:45

TEST COMMENT: IF-60-No blow
ISI-120-No return
FF-240-No blow
FSI-240-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1808.57	102.91	Initial Hydro-static
1	34.06	102.25	Open To Flow (1)
62	68.14	104.26	Shut-In(1)
181	1457.58	105.10	End Shut-In(1)
182	69.17	104.70	Open To Flow (2)
423	160.40	105.80	Shut-In(2)
663	1486.99	105.69	End Shut-In(2)
663	1707.22	105.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	GMW 20%MUD 80%WATER	4.30

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

High Plains Resources
600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70324 **DST#: 4**

Test Start: 2023.04.18 @ 16:38:05

GENERAL INFORMATION:

Formation: **Granite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:53:15
Time Test Ended: 14:25:29

Test Type: Conventional Straddle (Reset)
Tester: Terrance
Unit No: 75

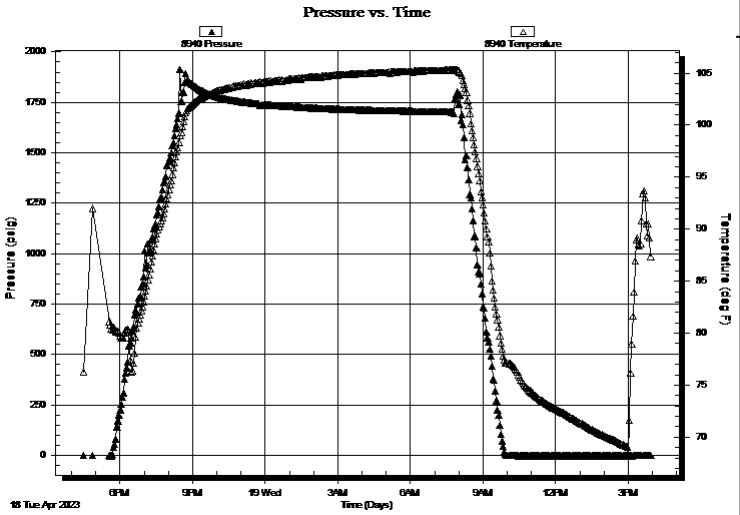
Interval: 3890.00 ft (KB) To 4000.00 ft (KB) (TVD)
Total Depth: 6066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1305.00 ft (KB)
1292.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8940 **Below (Straddle)**

Press@RunDepth:	psig @	4017.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2023.04.18	End Date:	2023.04.19	Last Calib.:	1899.12.30
Start Time:	16:30:05	End Time:	15:55:14	Time On Btm:	
				Time Off Btm:	

TEST COMMENT:
IF-60-No blow
ISI-120-No return
FF-240-No blow
FSI-240-No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
315.00	GMW 20%MUD 80%WATER	4.30

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70324 **DST#: 4**

Test Start: 2023.04.18 @ 16:38:05

Tool Information

Drill Pipe:	Length:	3876.00 ft	Diameter:	3.75	inches	Volume:	52.95	bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	Weight to Pull Loose:	90000.00 lb
						Total Volume:	52.95	bbl	Tool Chased	ft
Drill Pipe Above KB:		20.00 ft							String Weight: Initial	72000.00 lb
Depth to Top Packer:		3890.00 ft							Final	72000.00 lb
Depth to Bottom Packer:		4105.00 ft								
Interval between Packers:		215.00 ft								
Tool Length:		249.00 ft								
Number of Packers:		3	Diameter:	6.88	inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3861.00		
Sampler	3.00			3864.00		
Hydraulic tool	5.00			3869.00		
Jars	5.00			3874.00		
EM Sub	3.00			3877.00		
Safety Joint	3.00			3880.00		
Packer	5.00			3885.00	34.00	Bottom Of Top Packer
Packer	5.00			3890.00		
Stubb	1.00			3891.00		
Perforations	4.00			3895.00		
Change Over Sub	1.00			3896.00		
Recorder	0.00	8957	Inside	3896.00		
Recorder	0.00	8320	Outside	3896.00		
Drill Pipe	88.00			3984.00		
Change Over Sub	1.00			3985.00		
Perforations	10.00			3995.00		
Blank Off Sub	1.00			3996.00		
Packer - Shale	4.00			4000.00		
Stubb	1.00			4001.00		
Perforations	10.00			4011.00		
hook wall	6.00			4017.00		
Recorder	0.00	8940	Below	4017.00		
Drill Pipe	84.00			4101.00		
Change Over Sub	1.00			4102.00		
Bullnose	3.00			4105.00	215.00	Bottom Packers & Anchor
Total Tool Length:	**249.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

High Plains Resources

600 17th St SUITE 2800S
Denver CO 80202-5428

ATTN: Jennifer Olsen

32-3s-6e Marshall,KS

Balsmeier #21-32

Job Ticket: 70324 **DST#: 4**

Test Start: 2023.04.18 @ 16:38:05

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	79 deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	45000 ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.99 in³	Gas Cushion Type:			
Resistivity:	0.23 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	700.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
315.00	GMW 20%MUD 80%WATER	4.303

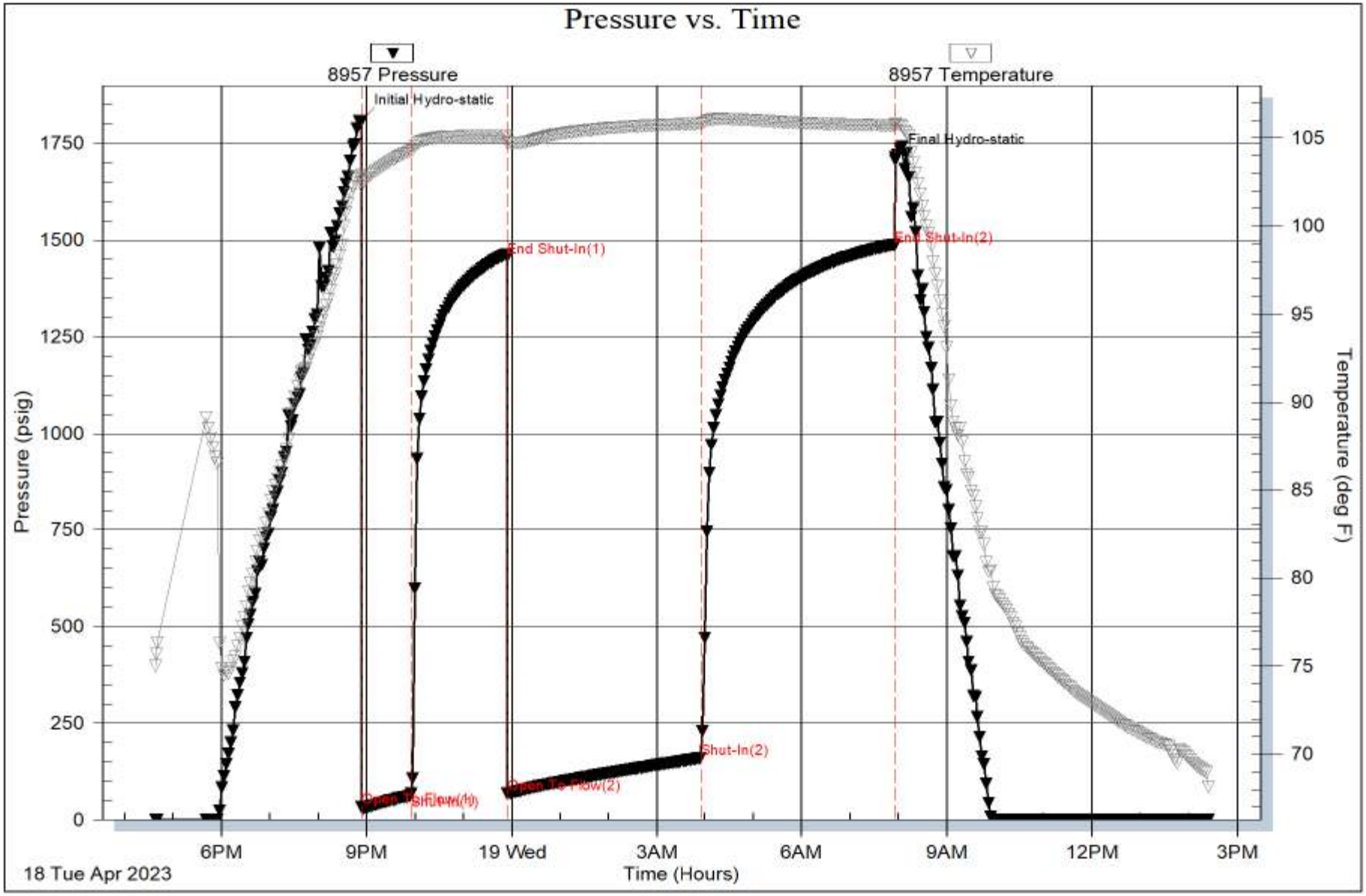
Total Length: 315.00 ft Total Volume: 4.303 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8957 **Inside** High Plains Resources Balsmeier #21-32 DST Test Number: 4



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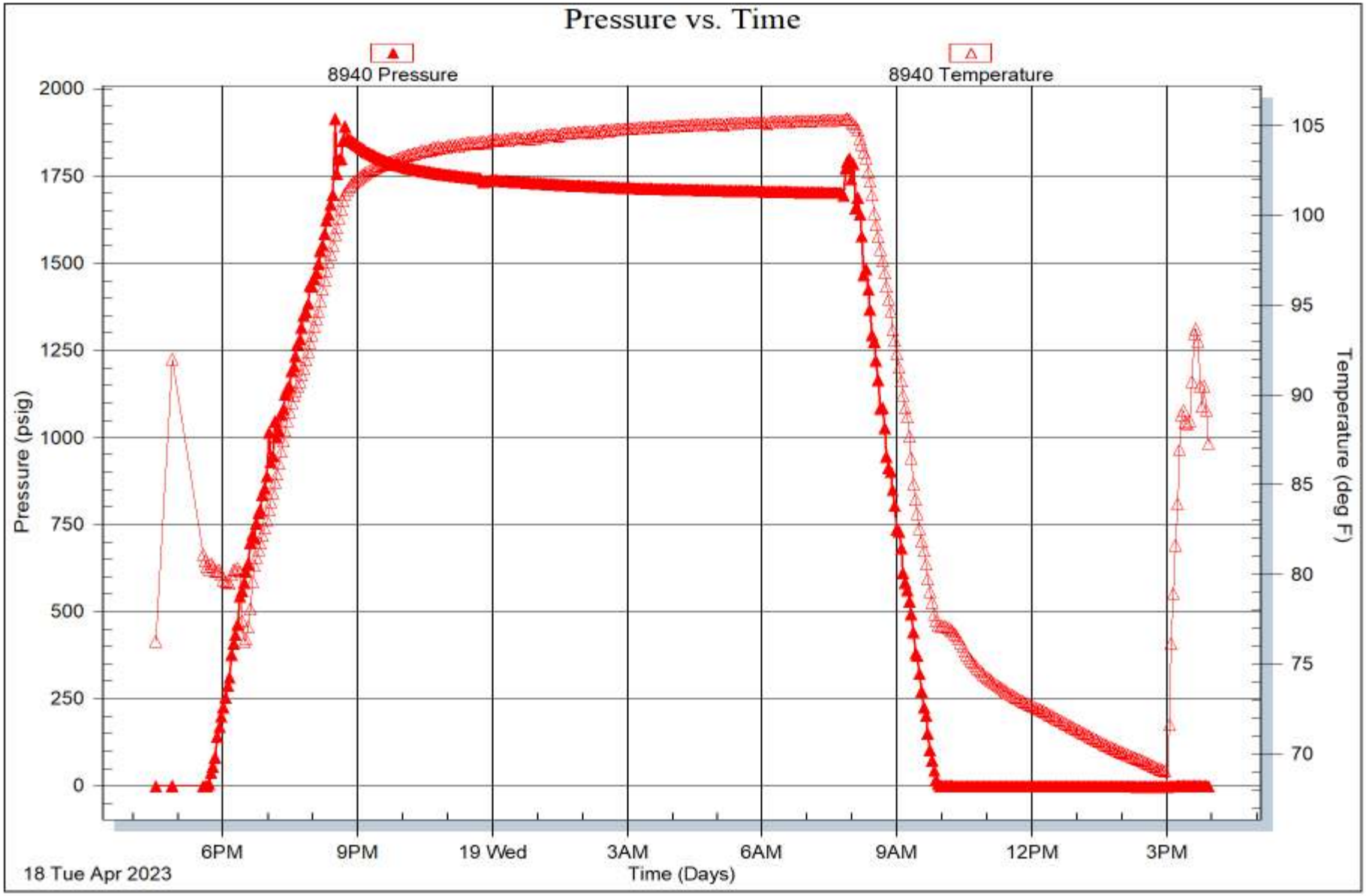
Pressure vs. Time
8940 Pressure
8940 Temperature
Pressure (psig)
2000
1750
1500
1250
1000
750
500
250
0
Temperature (deg F)
105
100
95
90
85
80
75
70
6PM
9PM
19 Wed
3AM
6AM
9AM
12PM
3PM
18 Tue Apr 2023
Time (Days)

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

Test Ticket

NO. 70321

Well Name & No. Balsmeier #21-32 Test No. 1 Date 4-14-23
Company High Plains Resources Elevation 1305 KB 1292 GL
Address 600 17th St Suite 2800S Denver, Co 80202
Co. Rep / Geo Jennifer Olsen Rig White Mountain 252
Location: Sec. 32 Twp 3S Rge. 6E Co. Marshall State KS

Interval Tested 5620-6066 Zone Tested Granite
Anchor Length 446 Drill Pipe Run 5601 Mud Wt. 9.6
Top Packer Depth 5615 Drill Collars Run — Vis 55
Bottom Packer Depth 5620 Wt. Pipe Run — WL 11.0
Total Depth 6066 Chlorides 700 ppm System LCM

Blow Description IF-60-No Blow
ISI-120-No Return
FF-240-No Blow
FSI-240-No Return

Rec 100	Feet of Mud	%gas	%oil	%water 100	%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 100 BHT 126 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

Initial Hydrostatic 2516	☒ Test 6350	☐ Ruined Shale Packer	
Initial Flow 45 to 56	☒ Jars 300	☐ Ruined Packer	
Initial Shut-In 1734	☐ Circ Sub 15h 1500	☒ Hotel	
Final Flow 61 to 82	☒ Hourly Standby 20 ½ hrs	☒ EM Tool Successful -175	
Final Shut-In 1591	☒ Mileage 200 X 2	☒ Accessibility 150	
Final Hydrostatic 2004	☒ Sampler 300 181mi 316.75	☐ Gas Sample	
T- On Location 15:00 4-14-16	☐ Straddle	☐ Sub Total -25	
Initial Flow 60 T-Started 20:30	☐ Shale Packer	☐ Total 8741.75	
Initial Shut-In 120 T-Open 08:04	☐ Extra Packer	☐ Tool Loaded ____ @ ____	
Final Flow 240 T-Pulled 19:04	☐ Extra Recorder	☐ MP/DST Disc't	
Final Shut-In 240 T-Out 03:30 4-16-23	☐ Day Standby		

Comments Sampler - 100% Mud 0 PSI

Approved By Thank You!! Our Representative Terrance

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TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 70321 Date 4-14-72

Company Name High Plains Resources

Lease Bulsmeier 21-32 Test No. 1

County Marshall Sec. 32 Twp. 3S Rng. 6E

SAMPLER RECOVERY

Gas _____ ML

Oil _____ ML

Mud 2000 ML

Water _____ ML

Other _____ ML

Pressure _____ ML

Total _____ ML

PIT MUD ANALYSIS

Chlorides _____ ppm.

Resistivity _____ ohms @ _____ F

Viscosity _____

Mud Weight _____

Filtrate _____

Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F

Chlorides _____ 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. 70322

Well Name & No. Balsmeier Test No. 2 Date 4-16-23
Company High Plains Elevation 1305 KB 1292 GL
Address 600 17th St Suite 2800S Denver Co 8202
Co. Rep / Geo Jenifer Olsen Rig White Mountain 252
Location: Sec. 32 Twp 3S Rge. 6E Co. Marshal State KS

Interval Tested 5240-5480 Zone Tested Granite
Anchor Length 240 Drill Pipe Run 5208 Mud Wt. 9.6
Top Packer Depth 5235 Drill Collars Run — Vis 55
Bottom Packer Depth 5240 Wt. Pipe Run — WL 11.0
Total Depth 6060 Chlorides 700 ppm System LCM

Blow Description IF-60-Weak Surface Blow - Died in 5 Min
ISI-120-No Return
FF-240-No Blow
FSI-240-No Return

Rec 120	Feet of MW	%gas	%oil 10	%water 90	%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 120 BHT 120 Gravity ____ API RW .30 @ 39 °F Chlorides 45,000 ppm

Initial Hydrostatic	2667	☒ Test	6350	☐ Ruined Shale Packer	
Initial Flow	40 to 59	☒ Jars	300	☐ Ruined Packer	
Initial Shut-In	2048	☐ Circ Sub	11h 1100	☐ Hotel	
Final Flow	70 to 102	☒ Hourly Standby	13 hrs	☒ EM Tool Successful	-175
Final Shut-In	1578	☒ Mileage	200 X2	☒ Accessibility	150
Final Hydrostatic	2372	☒ Sampler	300	☐ Gas Sample	
	T- On Location 03:30	☒ Straddle	800	☐ Sub Total	-25
Initial Flow 60	T-Started 05:00	☒ Shale Packer	250	☐ Total	9075
Initial Shut-In 120	T-Open 13:45	☐ Extra Packer		☐ Tool Loaded ____ @	
Final Flow 240	T-Pulled 00:45	☐ Extra Recorder		☐ MP/DST Disc't	
Final Shut-In 240	T-Out 08:25	☐ Day Standby			

Comments

Approved By Thank You!! Our Representative Terrance Wickham

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TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 70322 Date 4-16-23

Company Name High Plains Resources

Lease Balsmeier #21-32 Test No. 2

County Marshall Sec. 32 Twp. 3 Rng. 6e

SAMPLER RECOVERY

Gas		ML
Oil		ML
Mud	1500	ML
Water	500	ML
Other		ML
Pressure	0	ML
Total		ML

PIT MUD ANALYSIS

Chlorides _____ ppm.

Resistivity _____ ohms @ _____ F

Viscosity _____

Mud Weight _____

Filtrate _____

Other _____

SAMPLER ANALYSIS

Resistivity .3 ohms @ 39 F

Chlorides 45,000 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. 70323

Well Name & No. Balsmeier #21-32 Test No. 3 Date 4-17-23
Company High Plains Resources Elevation 1305 KB 1292 GL
Address 600 17th St Suite 2500S Denver, Co. 80202
Co. Rep / Geo Jennifer Olsen Rig White Mountain 252
Location: Sec. 32 Twp 3S Rge. 6E Co. Marshal State KS

Interval Tested 3175-3375 Zone Tested Granite
Anchor Length 200 Drill Pipe Run 3170 Mud Wt. 9.6
Top Packer Depth 3170 Drill Collars Run — Vis 55
Bottom Packer Depth 3175 Wt. Pipe Run — WL 11.0
Total Depth 6066 Chlorides 700 ppm System LCM

Blow Description IF - 60 - No Blow
ISI - 120 - No Return
FF - 240 - No Blow
FSI - 240 - No Return

Rec 30	Feet of WM	%gas	%oil 50	%water 50	%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 50 BHT 97 Gravity ____ API RW .61 @ 84 °F Chlorides 8,500 ppm

Initial Hydrostatic	1506	☒ Test	6350	☐ Ruined Shale Packer	
Initial Flow	28 to 27	☒ Jars	300	☐ Ruined Packer	
Initial Shut-In	922	☐ Circ Sub		☒ Hotel	
Final Flow	33 to 36	☒ Hourly Standby	17 hrs 4.5h 450	☒ EM Tool Successful	-350
Final Shut-In	976	☒ Mileage	200 x 2	☒ Accessibility	150
Final Hydrostatic	1446	☒ Sampler	300	☐ Gas Sample	
	T- On Location 09:25	☒ Straddle	Hook Wall 1500	☐ Sub Total	-200
Initial Flow 60	T-Started 17:30	☒ Shale Packer	250	☐ Total	8950
Initial Shut-In 120	T-Open 23:48	☐ Extra Packer		☐ Tool Loaded ____ @	
Final Flow 240	T-Pulled 10:48	☐ Extra Recorder		☐ MP/DST Disc't	
Final Shut-In 240	T-Out 15:30	☐ Day Standby			

Comments Hook Wall Tool was Successful!

Thank You!!

Approved By ____ Our Representative Terrance Wickham

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TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 70323 Date 4-17-23

Company Name High Plains Resources

Lease ~~[illegible]~~ 21-32 S Balsmeier Test No. 3

County Marshal Sec. 32 Twp. 3S Rng. 6E

SAMPLER RECOVERY

Gas _____ ML

Oil _____ ML

Mud 2000 ML

Water _____ ML

Other _____ ML

Pressure _____ ML

Total 2000 ML

PIT MUD ANALYSIS

Chlorides _____ ppm.

Resistivity _____ ohms @ _____ F

Viscosity _____

Mud Weight _____

Filtrate _____

Other _____

SAMPLER ANALYSIS

Resistivity .161 ohms @ 84 F

Chlorides 8500 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. 70324

Well Name & No. Balsmeier #21-32 Test No. 4 Date 4-18-23
Company High Plains Resources Elevation 1305 KB 1292 GL
Address 600 17th St. Suite 2800 S Denver, Co. 80202
Co. Rep / Geo Jennifer Olsen Rig White Mountain 252
Location: Sec. 32 Twp 3S Rge. 6E Co. Marshal State KS

Interval Tested 3890 - 4000 Zone Tested Granite
Anchor Length ~~3885~~ 110 Drill Pipe Run 3876 Mud Wt. 9.6
Top Packer Depth 3885 Drill Collars Run — Vis 55
Bottom Packer Depth 3890 Wt. Pipe Run — WL 11.0
Total Depth 4066 Chlorides 700 ppm System LCM

Blow Description IF-60- No Blow
ISI-120- No Return
FF-240- No Blow
FSI-240- No Return

Rec 315	Feet of GMW	%gas	%oil 80	%water 20	%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 315 BHT 105 Gravity ____ API RW .23 @ 79 °F Chlorides 45,000 ppm

Initial Hydrostatic	1808	☒ Test	6350	☐ Ruined Shale Packer	
Initial Flow	34 to 60	☒ Jars	300	☐ Ruined Packer	
Initial Shut-In	1457	☐ Circ Sub		☐ Hotel	
Final Flow	69 to 160	☒ Hourly Standby	8 hrs 4.75h	☒ EM Tool Successful	
Final Shut-In	1487	☒ Mileage	200X2 316.75	☒ Accessibility	150
Final Hydrostatic	1707	☒ Sampler	300	☐ Gas Sample	
T- On Location	15:30	☒ Straddle	1500	☐ Sub Total	150
Initial Flow 60	T-Started 16:38	☒ Shale Packer	250	☐ Total	9641.75
Initial Shut-In 120	T-Open 20:52	☐ Extra Packer		☐ Tool Loaded ____ @	
Final Flow 240	T-Pulled 07:52	☐ Extra Recorder		☐ MP/DST Disc't	
Final Shut-In 240	T-Out 15:30	☐ Day Standby			

Comments

Approved By Thank You Our Representative Terrance Wickham

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TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 70324 Date 4-18-23

Company Name High Plains Resources

Lease Balsmeier Test No. 4

County Marshal Sec. 32 Twp. 3s Rng. 6e

SAMPLER RECOVERY

Gas _____ ML

Oil _____ ML

Mud _____ ML

Water 2000 ML

Other _____ ML

Pressure _____ ML

Total _____ ML

PIT MUD ANALYSIS

Chlorides _____ ppm.

Resistivity _____ ohms @ _____ F

Viscosity _____

Mud Weight _____

Filtrate _____

Other _____

SAMPLER ANALYSIS

Resistivity 123 ohms @ 79 F

Chlorides 45,000 ppm.

Gravity _____ corrected @60F

PIPE RECOVERY

TOP

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

Invoice

Date	Invoice #
4/24/2023	10143

Bill To

KXP Resources
2628 Highway 36 S, PMB 283
Brenham, TX 77833-9616

Well Information

Balsmeier 21-32
High Plains Resources
Field Ticket #5575

P.O. No.	Terms
	Net 30

Date	Quantity	Description	Rate	Amount
4/19/2023	2	Service Technicians	1,100.00	2,200.00
	1	Truck Charge	100.00	100.00
	2	Subsistence	250.00	500.00
4/20/2023	2	Service Technicians	1,100.00	2,200.00
	1	Truck Charge	100.00	100.00
	2	Subsistence	250.00	500.00
	1	85/8" x 5.5" liner packer, rental of setting tools	29,500.00	29,500.00
	1	Rental -4.5" Xhole box X 3.5" IF pin crossover	150.00	150.00
	6	5.5" inflatable casing packers	14,300.00	85,800.00
	6	5.5" 20# casing subs one for each packer	575.00	3,450.00
	12	5.5" solid centralizers	130.00	1,560.00
	6	5.5" stop rings	28.50	171.00
	1	5.5" baffle shoe & setting ball	1,690.00	1,690.00
	3	5.5" casing subs, 7.3', 7.43' & 8.2' long	595.00	1,785.00
			Total	$129,706.00

Please Remit To:
Impact Completions, LLC.
P.O. Box 953
Kalkaska, MI. 49646
(231) 258-7950
(231) 258-7952 Fax

Field Ticket

P.O. BOX 953
1100 PROUGH RD
Kalkaska, MI. 49646
231-258-7950
231-258-7952 Fax

IMPACT COMPLETIONS

Customer: HIGH PLAINS RESOURCES

Ticket # 5575

Location
MARSHALL CO. KANSAS.
Purchase Order #

Service Technician	Well Name or #	Received By
TIM TUCK/BILL STONE	BALSMEIER 21-32	JENNIFER OLSEN

DATE		QTY	PRICE
4/19/2023	Service Techs to location, Trip in hole with 5 1/2" casing for liner.		
	2 Service tech @ $1100 each, per day	2	$2,200.00
	Truck Charge	1	$100.00
	Subsistence charge @ $250.00 per day, per man	2	$500.00
4/20/2023	Tag 22' high, 5 1/2" casing is stuck. Set 6 - 5 1/2" inflatable casing		
	packers using rig pump. Disconect from 8 5/8" X 5 1/2" liner packer		
	T.O.O.H. with setting tools.		
	2 Service tech @ $1100 each, per day	2	$2,200.00
	Truck Charge	1	$100.00
	Subsistence charge @ $250.00 per day per man	2	$500.00
	Sale of 8 5/8" X 5 1/2" liner packer, Rental of setting tools	1	$29,500.00
	Rental of 4 1/2" Xhole Box X 3 1/2" IF pin crossover	1	$150.00
	Sale of 6 - 5 1/2" Inflatable Casing packers @ $14,300 each	6	$85,800.00
	Sale of 6 - 5 1/2" 20# casing subs one for each packer. $575 each	6	$3,450.00
	Sale of 12 - 5 1/2" solid centralizers,$130 each 2 for each packer	12	$1,560.00
	6 - 5 1/2" stop rings @ $28.5 each	6	$171.00
	Sale of 1 - 5 1/2" baffel shoe & setting ball	1	$1,690.00
	Sale of 3 - 5 1/2" casing subs, 7.3', 7.43' & 8.2' long $595.00 each	3	$1,785.00
	Service techs on location 30 hrs in a row, Out of legal DOT hours		
	Drive to Michigan yard on 4/21/2023		
	1520/120		
		SUB TOTAL	
		CREDIT	
		TOTAL	$129,706.00

Signature: Jm Olsen

Thank you for your business!

TERMS AND CONDTIONS OF RENTAL

All tools and equipment are used at Renter's risk. Renter assumes all responsibility for tools and equipment while out of possession of owner and agrees that owner shall not be liable for negligence or damage to any property of anyone caused by tool or equipment, or it's failure during use. Renter agrees to hold owner harmless and indemnify owner agaist all persons for all negligence or damage.

Summary of Changes

Lease Name and Number: BALSMEIER 21-32

API/Permit #: 15-117-20028-00-00

New Doc ID: 1713836

Parent Doc ID: 1696647

Correction Number: 1

Approved By: David Befort

Field Name	Previous Value	New Value
CasingAdd_Type_PctPDF_1	None	Attached
CasingAdd_Type_PctPDF_2	None	
CasingNumbSacksUsedPDF_1	42	Attached
CasingNumbSacksUsedPDF_2	42	
CasingPurposeOfStringPDF_1	Conductor	Attached
CasingPurposeOfStringPDF_2	Surface	
CasingSettingDepthPDF_1	80	Attached
CasingSettingDepthPDF_2	80	
CasingSizeCasingSetPDF_1	16	Attached
CasingSizeCasingSetPDF_2	16	

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
CasingSizeHoleDrilledPDF_1	20	Attached
CasingSizeHoleDrilledPDF_2	20	
CasingTypeOfCementPDF_1	Class A	Attached
CasingTypeOfCementPDF_2	Class A	
CasingWeightPDF_1	42	Attached
CasingWeightPDF_2	42	
Completion Or Recompletion Date	11/4/2022	4/9/2023
Cores Taken?	No	Yes
Date Reached TD	11/4/2022	4/9/2023
Drill Stem Tests Taken?	No	Yes
Electric Log Run?	No	Yes
Kelly Bushing Elevation	11	13
Elogs_PDF		Attached

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Fluid Mngmt - Chloride Content	0	1200
Fluid Mngmt - Fluid Volume	0	5400
Formation Top Source - Log	No	Yes
Geologist Report / Mud Logs?	No	Yes
Approved Date	02/22/2023	05/16/2023
Samples Sent To KGS?	No	Yes
Amount of Surface Pipe Set and Cemented at	80	254
TopsDatum1	None	Attached
TopsDepth1	0	Attached
TopsName1	None	Attached
Total Depth	80	6066
Completion Type - Other Text	ST	

Summary of Attachments

Lease Name and Number: BALSMEIER 21-32

API: 15-117-20028-00-00

Doc ID: 1713836

Correction Number: 1

Attachment Name

Mud Log

Cement Ticket (Conductor)

Cement Ticket (Intermediate)

Cement Ticket (Surface)

DST

Cement Report (Production)