

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	White Exploration, Inc.
Well Name	CLOSE 1
Doc ID	1548424

All Electric Logs Run

Compensated Density/Neutron
Dual Induction
Micro Log
Sonic Log

Form	ACO1 - Well Completion
Operator	White Exploration, Inc.
Well Name	CLOSE 1
Doc ID	1548424

Tops

Name	Top	Datum
Anhydrite	2606	+510
Base Anhydrite	2634	+482
Heebner Shale	4007	-891
Lansing	4048	-932
Lansing "B"	4081	-965
Muncie Creek	4186	-1070
Lansing "H"	4201	-1085
Lansing "I"	4231	-1115
Lansing "J"	4252	-1136
Stark Shale	4269	-1153
Lansing "L"	4308	-1192
Base KC	4330	-1214
Marmaton	4361	-1245
Pawnee	4464	-1348
Myrick Station	4507	-1391
Ft. Scott	4524	-1408
Lower Cherokee	4553	-1437
Johnson	4501	-1485
Mississippi	4649	-1533



Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Close #1
API: 15-193-21082
Location: 33-24S-10W
License Number:
Spud Date: 01/05/2021
Surface Coordinates: 1890' FNL, 990' FEL

Region: Thomas County, KS
Drilling Completed: 01/15/2021

Bottom Hole
Coordinates:
Ground Elevation (ft): 3111 K.B. Elevation (ft): 3116
Logged Interval (ft): 3700 To: 4720 Total Depth (ft): 4720
Formation: Mississippian
Type of Drilling Fluid: Chemical

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

OPERATOR

Company: White Exploration, Inc.
Address: 1635 N Waterfront Pkwy, Ste. 100
Wichita, KS 67206

GEOLOGIST

Name: Andrew White
Company: White Exploration, Inc.
Address:

Remarks

Due to lack of recoveries on the DSTs and evaluation of logs, the decision was made to plug and abandon the Close #1.

General Info

Drilling Contractor: Murfin Drilling Rig #110
Logs: ELI, Neutron/Density, Dual Induction, Micro, Sonic
Drilling Mud: Mudco/Service Mud, Inc.
DST: Trilobite
Surveys: 334'-3/4, 4051'-3/4, 4210'-1, 4620'-1, 4720'-3/4

Daily Status

01/05/21: Spud 1:45 p.m., ran 8 joints 8-5/8" 24# Surface Casing. Set @ 344', cemented with 250 sacks 60/40 Poz Mix w/ 3% CC and 25 gel.

01/06/21: Drilling ahead @ 580'

01/07/21: Drilling ahead @ 2500'

01/08/21: Drilling ahead @ 3455'

01/09/21: CFS @ 4051'

01/10/21: Coming out of hole with DST #2

01/11/21: Coming out of hole with DST #3

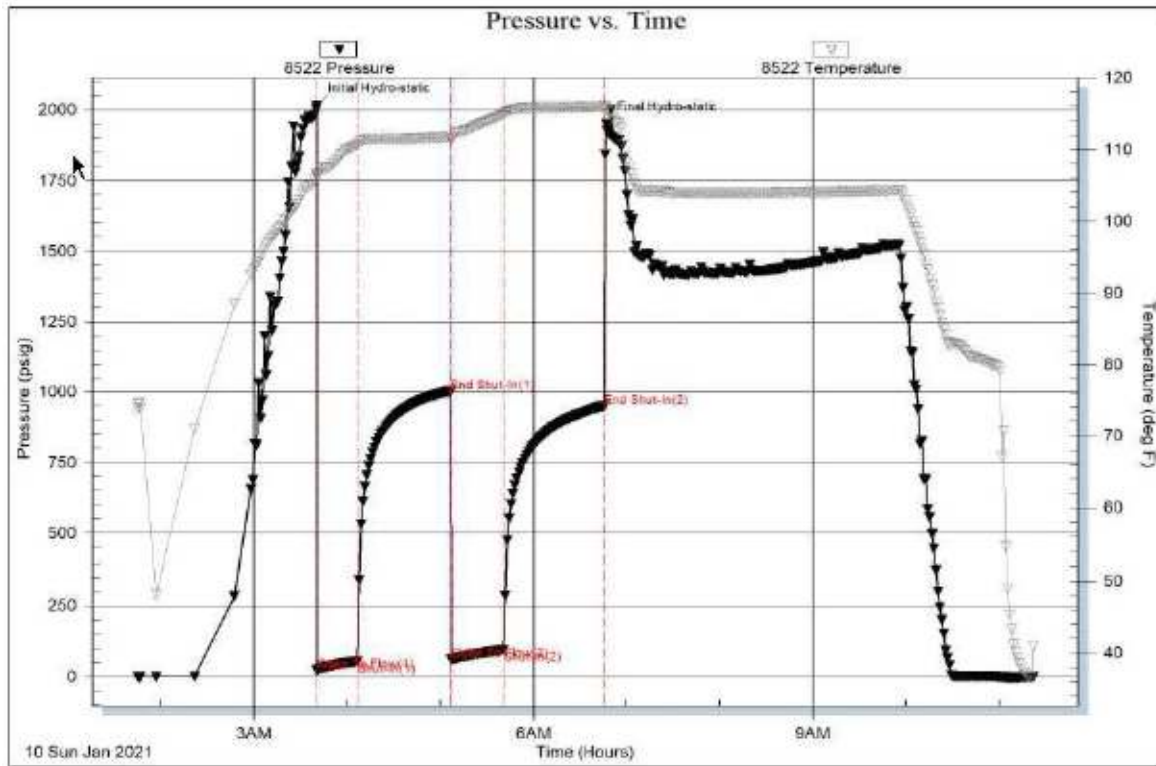
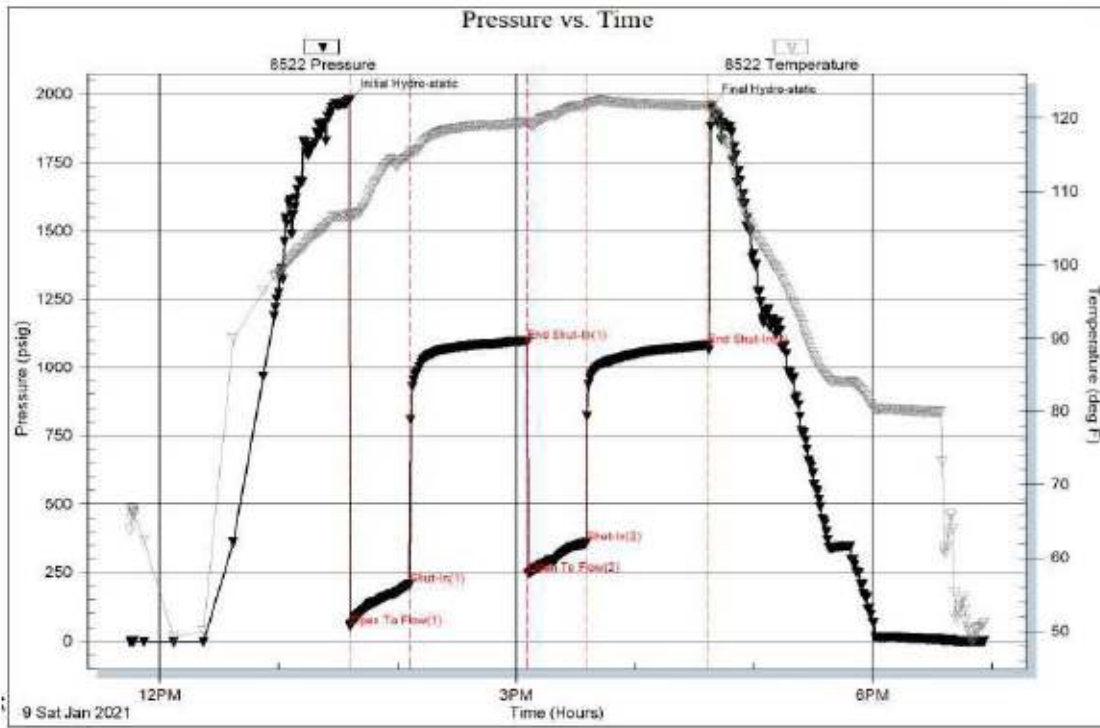
01/12/21: Drilling ahead @ 4320'

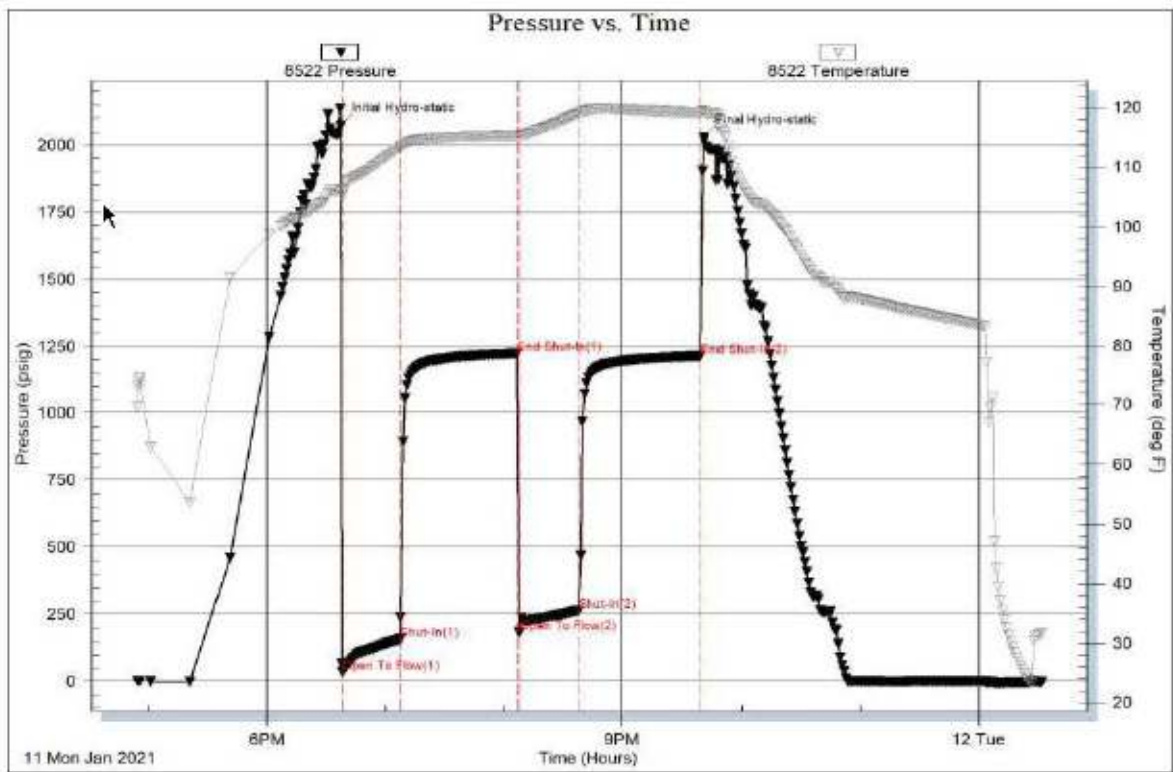
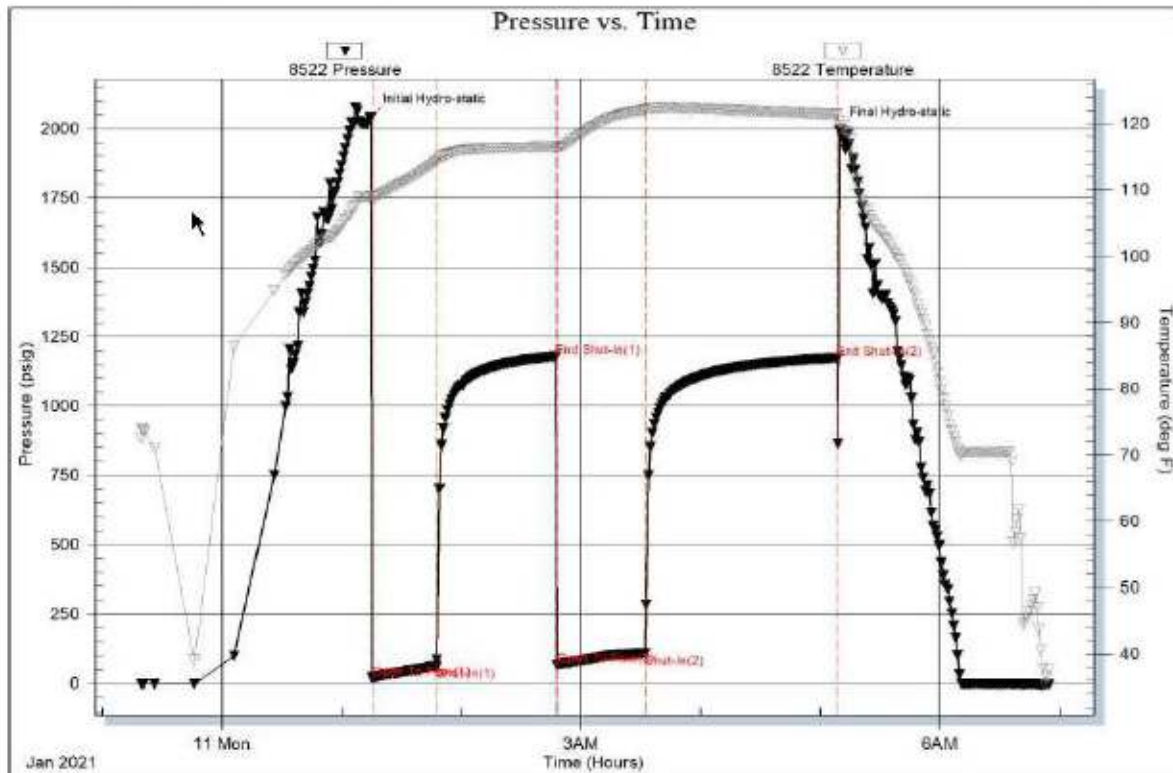
01/13/21: Drilling ahead @ 4505'

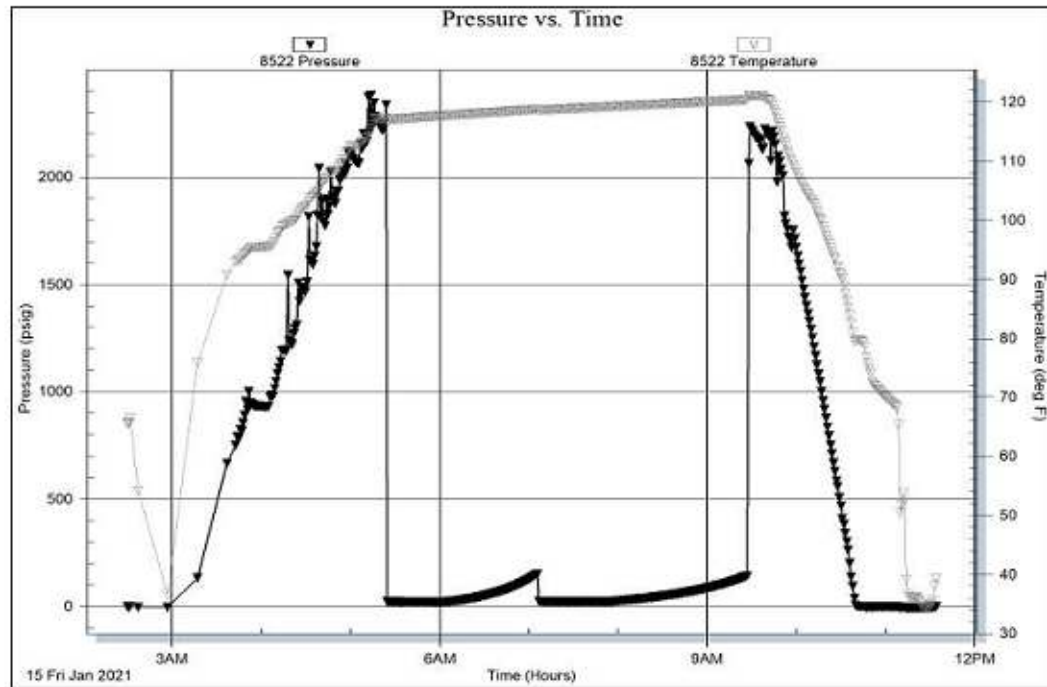
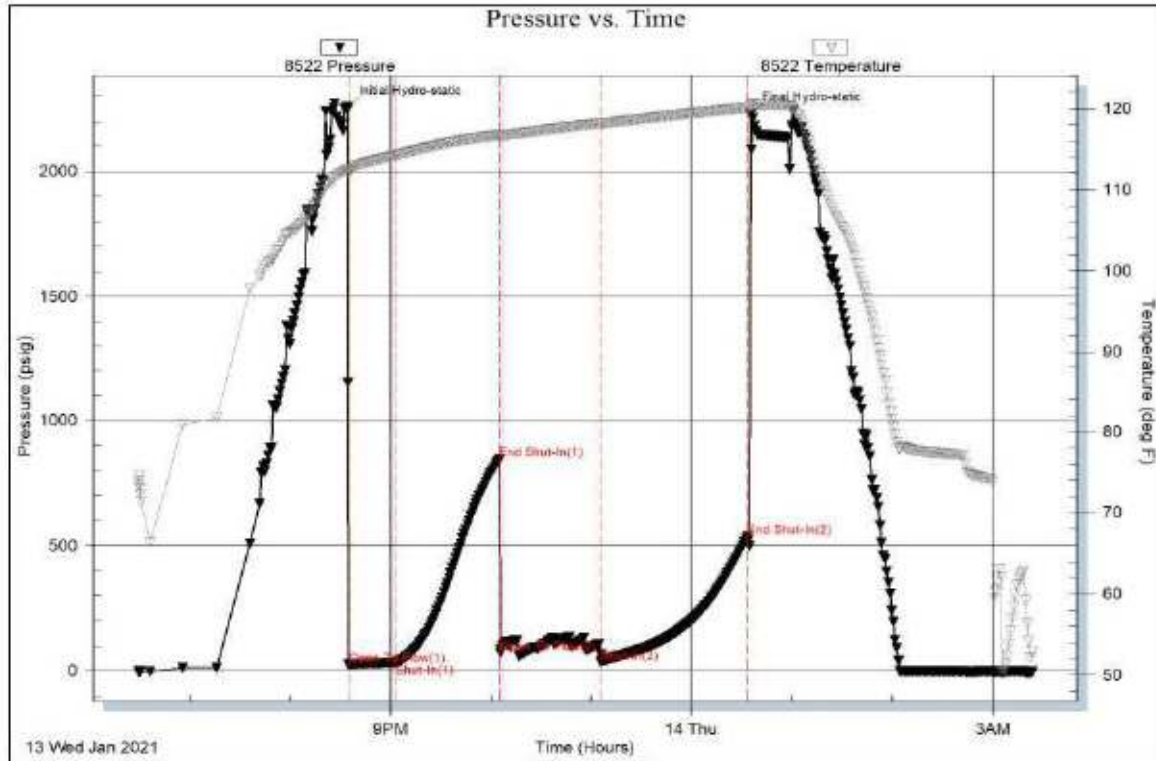
01/14/21: CTCH after DST #6

01/15/21: Coming out of hole with DST #7

White Ex				Berexco		Brito Oil		Slawson	
Close #1				G&S #1		Soucie #1-19		G&S #1	
13-10S-33W				13-10S-33W		19-10S-32W		24-10S-33W	
				1630' FNL, 1650' FEL				2380' FNL, 2340' FEL	
KB:3116				KB: 3122		KB: 3106		KB: 3125	
Sample	Log	Datum	Relationship			Relationship		Relationship	
Heebner	4007	4007	-891	+5		+14		+2	
Lansing	4048	4048	-932	+3		+12		+1	
Lansing B	4079	4081	-965	+1		+10		-1	
Lansing H	4201	4201	-1085	+4		+13		-3	
Stark	4266	4269	-1153	+6		+12		0	
BKC	4330	4330	-1214	+7		+14		-3	
Marm	4358	4361	-1245	+8		+15		-2	
L. Cherokee	4554	4553	-1437	+3		+17		-2	
Miss	4646	4649	-1533	-3		+22		-5	


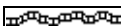
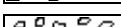
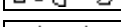

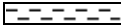









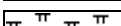




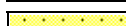


















ROCK TYPES

















LITHOLOGY

-  Anhy
-  Bent
-  Brec
-  Cht
-  Clyst
-  Coal
-  Congl
-  Dol
-  Gyp
-  Igne
-  Lmst
-  Meta
-  Mrlst
-  Salt
-  Shale
-  Shcol
-  Shgy


















-  Sltst
-  Ss
-  Till





MINERAL

-  Anhy
-  Arggrn
-  Arg
-  Bent
-  Bit
-  Brecfrag
-  Calc
-  Carb
-  Chtdk
-  Chtlt
-  Dol
-  Feldspar
-  Ferrpel

-  Ferr
-  Glau
-  Gyp
-  Hvymn
-  Kaol
-  Marl
-  Minxl
-  Nodule
-  Phos
-  Pyr
-  Salt
-  Sandy
-  Silt
-  Sil
-  Sulphur
-  Tuff

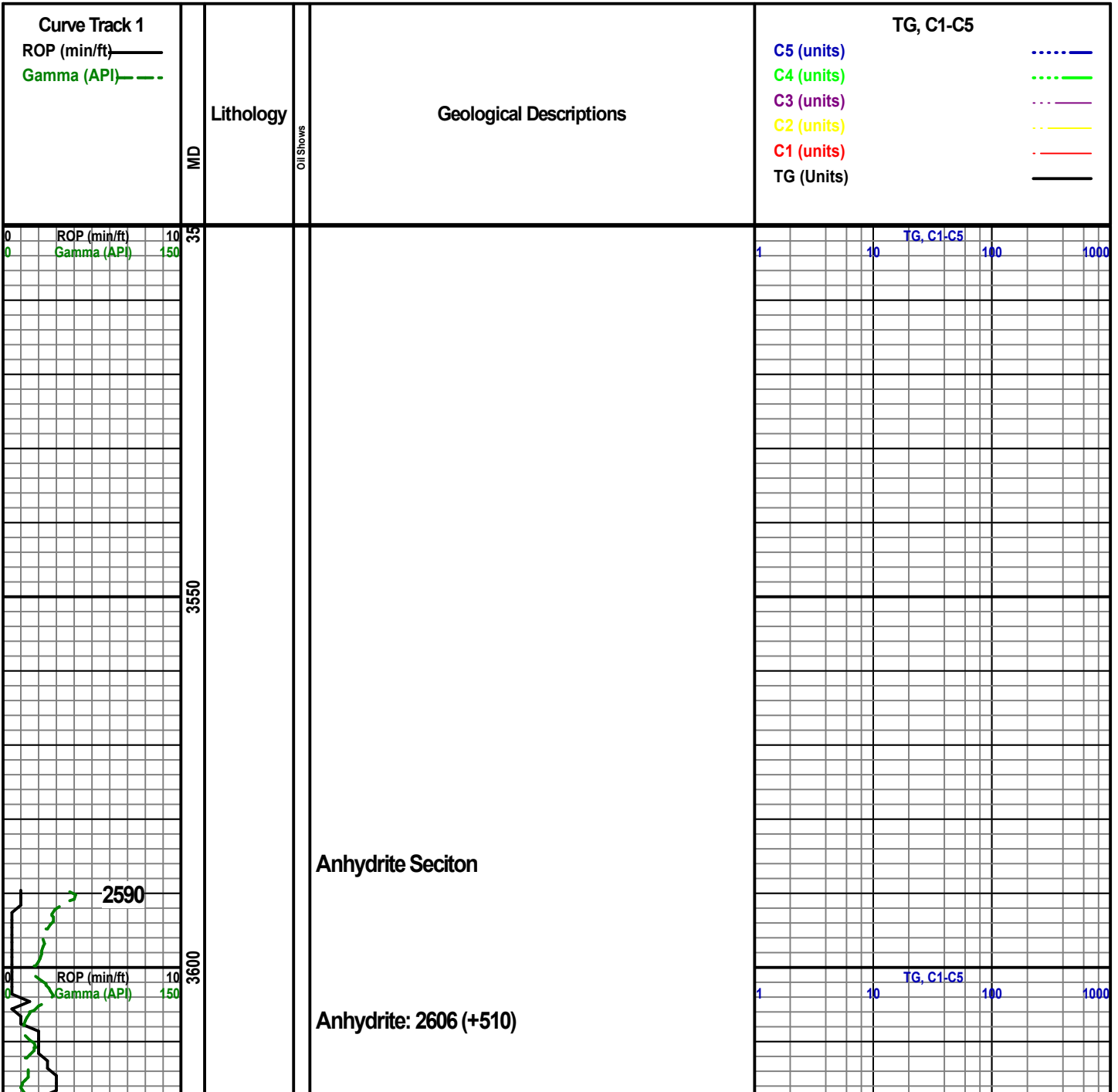
FOSSIL

-  Algae
-  Amph
-  Belm
-  Bioclst
-  Brach
-  Bryozoa
-  Cephal
-  Coral
-  Crin
-  Echin
-  Fish
-  Foram
-  Fossil
-  Gastro
-  Oolite
-  Ostra
-  Pelec

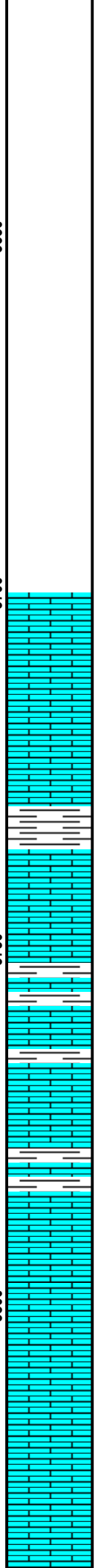
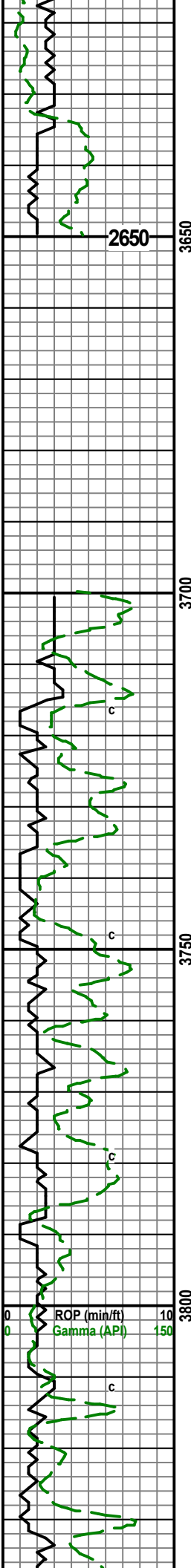
-  Pellet
-  Pisolite
-  Plant
-  Strom

STRINGER

-  Anhy
-  Arg
-  Bent
-  Coal
-  Dol
-  Gyp
-  Ls
-  Mrst
-  Sltstrg
-  Ssstrg



Base Anhydrite: 2634 (+482)



LS: crm, sli tan-gry, fmcxln, Sh: gry-drk gry

LS: gry-crm, sli tan, mcrxln, sli fdn

LS: AA sli chalk, Sh: gry

LS: gry-crm-tan, mcr-fxn, sli chalk, sli fos, Sh: gry-lt gry, some teal-red

AA

LS: crm, sli gry, mcrxln, some fdn, sli fos,

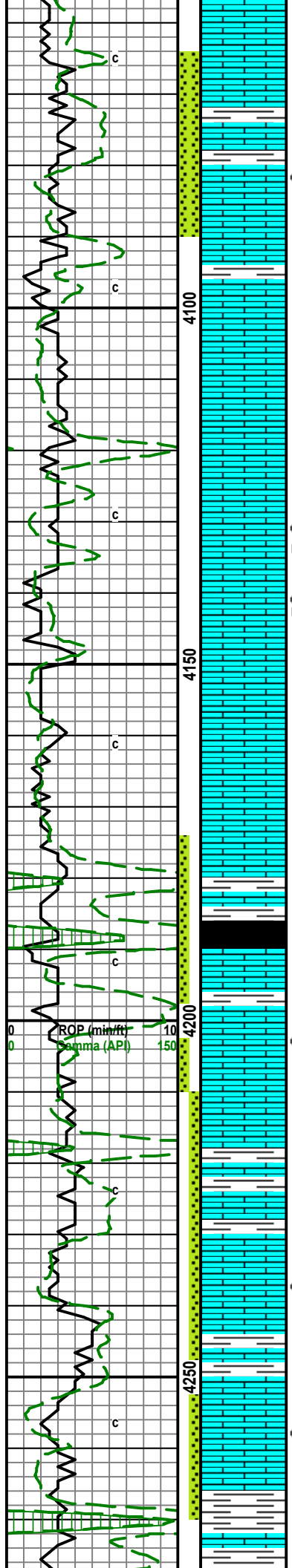
LS: crm-gry, mcrxln, sli fdn, sli fos,

LS: crm, sli gry-tan, mcrxln, sli fdn, sli fos

LS: gry-crm, sli tan, fmcxln, sli fos

AA

1 10 TG, C1-C5 100 1000



LS: crm-gry, mcrxn

LS: crm-gry, sli tan, mcrxn, some fxdn, chalky, Sh: gry-ft gry

LS: crm-gry, mcrxn, some fmxln sli gran ool, sat stain, fr inter por, sli odor, dull yellow fluor, SFO on break

LS: crm-gry, mcrxn, sli fos, Sh: gry, some LS:AA, cavings?

LS: AA

LS: crm, sli gry, mcrxn, sli chalky,

LS: crm-gry, mcrxn, sli fos, some fxdn, sat stain, SFO and dead oil on break, no odor, dull yellow fluor, pr vis por. (cavings?)

LS: crm-gry, mcr-fxdn, some ool, some sat stn, pr vis por, sli SFO and dead oil on break, sli odor, sli dull yellow fluor

LS: crm, sli tan, mcrxn, sli fos, chalky

LS: crm-gry, mcrxn, some fos, sli chalk

LS: crm-gry, sli tan, mcrxn, chalk

LS: AA

LS: crm-gry, mcrxn, sli fxdn, sli fos, some chalk with Sh: gry-drk gry-black

LS: tan, gry-crm, mcrxn, some fxdn fos, some sli stain, sli odor, few pieces SFO, pos dead oil

LS: crm, sli gry, mcrxn,

LS: gry-crm, mcrxn, sli fos, Sh: gry-drk gry, some red-grn

LS: gry-crm, sli tan, mcrxn, sli fos, Sh: AA

LS: crm-gry, some tan, mcrxn, some fmxln, sli stain, show dead oil, sli odor, sli dull yellow fluor, some pieces pr-fr vis por some sli vug por, vrr sli SFO on break

LS: crm-gry, sli tan, mcrxn, some fmxln, sli gran, dense, no por, Sh: gry-dk gry, some green-red

LS: crm-gry, sli tan, mcrxn some fmxln, sli stain, pr vis por-pos sli vug por, sli-no odor, sli dull yellow fluor, few pieces SFO, sli show dead oil

LS: crm, sli gry, mcrxn, some fxdn, dense, sli fos, chalky, Sh: gry-drk gry, good amount red

DST #2 4003-4050
 30-60-30-60
 IF: 1" blow
 FF: 1/4" blow
 Rec: 3' Oil
 150' SOMCW (1% O, 4% M 95% W)
 IFP: 20-53 ISIP: 1003
 FFP: 59-94 FSIP: 949

Lansing B: 4081 (-965)

CFS 60" Mudco mdchk
 Vis: 9.2 Vis: 48
 pH: 10.5 Fil: 7.2
 LCM: 1

Rig down for turbo repair 2.5 hrs when coming out of hole for DST #2

DST #3 4175-4210
 30-60-45-90
 IF: 1.5" blow
 FF: .5" blow
 Rec: 190' MCW (3% M, 97% W)
 IFP: 17-61 ISIP: 1180
 FFP: 65-108 FSIP: 1174

CFS 60"

Lansing H: 4201 (-1085)

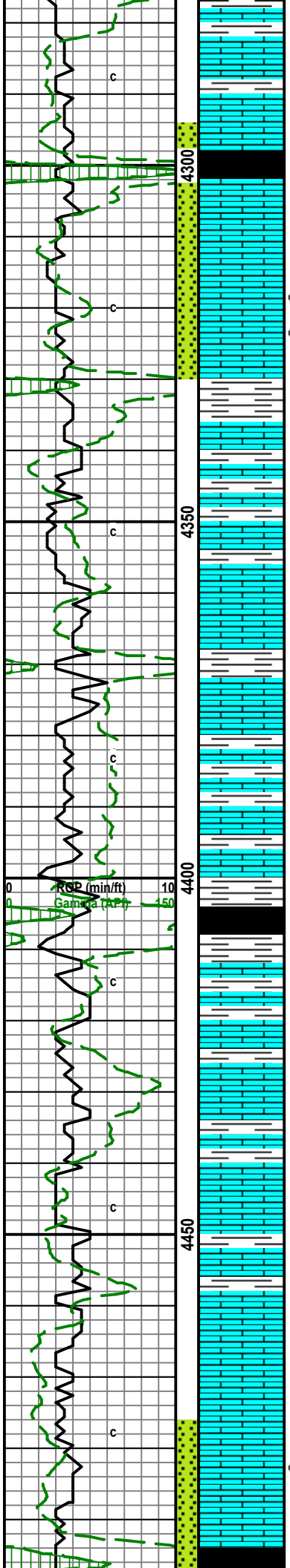
CFS 60" DST #4 4210-4270
 30-60-30-60
 IF: build to 16"
 FF: build to 8.5"
 Rec: 480' Total Fluid
 20' O
 160' GMWCO (10% G, 15% M, 30% W, 45% O)
 300' GMOCW (10% G, 25% M, 25% O, 40% W)
 IFP: 34-156 ISIP: 1224
 FFP: 180-263 FSIP: 1215

Mudco mdchk
 Wt: 9.2 Vis: 53
 pH: 10.0 Fil: 8.8
 LCM 1#

CFS 60"

Stark Shale: 4269 (-1153)

CFS 60"



Sh: gry-drk gry-lt gry, some blk, LS: gry, sli tan, mcrxln, sli fos

LS: crm-gry, sli tan, mcrxln, fos, sli chalk Sh: gry-lt gry

LS: gry-crm, sli tan, mcrxln, sli fos, sli chalk, Sh: drk gry-blck, some lt gry

LS: crm-tan-gry, some brwn, mrcxln, some sli fos, Sh: drk gry-blck-gry

LS: crm, sli gry, mcrxln, sli fos, some pieces sli stain, no-pr vis por, vsli odor, dull to bright yellow fluor, vsli SFO, pos dead oil

LS: crm-gry, mcrxln, sli fos, Sh: gry-drk gry-lt gry

Sh: gry-drk gry-blck, some lt gry, sli green, LS: crm-gry, sli tan-brwn, mcrxln, sli fos, sli chalk

AA

LS: gry-crm, mcrxln

LS: AA some Sh: drk gry-gry

LS: crm, sli gry-tan, mcrxln, sli fos, some Sh: AA

AA

AA

LS: tan-gry, sli crm, mcrxln-fxn, some mxln, fos, Sh: drk gry-gry-blck

LS: gry, sli crm, some tan, mcrxln, some f-mxln, sli fos, Sh: AA

LS: gry-crm, sli tan, mcrxln

LS: AA Sh: gry-drk gry

LS: gry-crm, mcrxln, sli chalk, Sh: gry-lt gry

LS: AA

LS: crm-tan, sli gry, mcrxln, some fxln, sli chalk sli fos

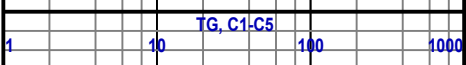
LS: crm-gry-tan, mcr-fxn, sli chalk, sli odor, some pieces stain, sli dull yell fluor, sli SFO on break pr vis por

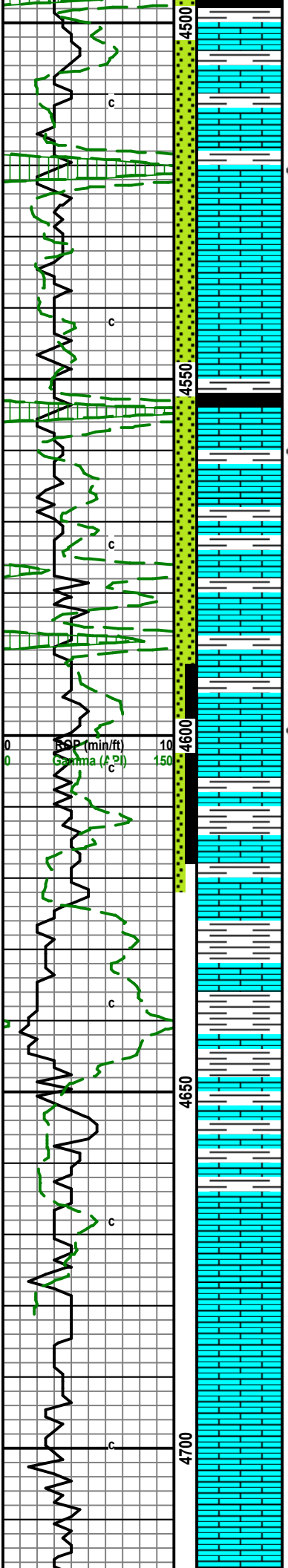
LS: tan-crm, sli gry, mcr-fxn, sli fos, sli chalk, Sh: drk gry-gry-blck

CFS 60" DST #5 4295-4330
 10-60
 IF: 1/4"
 FF: Pulled Test
 Rec: 2' M O spots
 IFP: 20-21 ISIP: 133
 FFP: N/A FSIP: N/A

CFS 60" BKC: 4330 (-1214) Mudco mdchk
 Wt: 9.2 Vis: 56
 pH: 10.0 Fil: 9.6
 LCM: 1#

Marmaton: 4361 (-1245)





Sh: drk gry-blck, LS: tan-brwn-frm, sli gry mcrxln, some fxdn, fos,

Sh: AA LS: gry-frm, sli tan-brwn, mcr-fxdn, some mxln, sli fos,

LS: frm-gry, mcrxln, sli fos, fr odor in cup, pos sli stain, no vis por, pos dull fluor, no SFO,

LS: frm-gry-tan/brwn, mcrxln, some fxdn, sli fos, sli cherty, sli chalk,

LS: AA

LS: gry-frm, mcrxln, ool, sli fos, few oil drops in cup, Sh: drk gry-gry

LS: AA some chalk, sli odor, few oil drops in cup, Sh: drk gry-gry

LS: gry-frm, mcrxln, sli fos, sli chalk, Sh: drk gry

LS: AA

LS: gry-frm, mcrxln

LS: gry-frm, mcr-fxdn, sli fos, pos sli stain, pos sli odor, no fluor, o spts in cup

LS: gry, sli frm-tan, mcrxln, Sh: gry

LS: gry-frm, mcrxln, some pieces sli stain, Sh: gry-drk gry

Sh: gry-lt gry, some teal-red/brwn, LS: gry-frm, sli tan, mcrxln, some fxdn, sli fos, sli chert

AA

Sh: gry-blue-red-yellow, LS: frm-tan, sli gry, mcrxln, sli fos, sli chalk

Sh: AA some LS: frm-gry, sli tan, mcrxln, sli fxdn, sli ool

LS: gry-frm, sli tan, mcrxln, sli fos, few ool

Sample mostly Sh

AA with some LS: frm-gry, m-fcrxln, ool

LS: frm-gry, sli tan, mcr-fxdn, some mxln, sli dolo, sli chalk

LS: frm-tan, sli gry, f-mcrxln, dolo

DST #6 4475-4620
 30-60-45-90
 IF: 1/2" blow
 FF: Surface blow
 Rec: 30'M O spots
 IFP: 25-32 ISIP: 846
 FFP: 72-34 FSIP: 537
 Significant plugging on second open,
 second shut in not correct tool
 malfunction

Mudco mdchk
 Wt: 9.3 Vis: 54
 pH: 10.0 Fil: 9.3
 LCM: 2#

L. Cherokee Shale: 4553 (-1437)

DST #7 4590-4618 Straddle
 30-60-45-90
 IF: 3/4" blow
 FF: Surface blow
 Rec: 10' OCM (20% O, 80%M)
 IFP: 22-20 ISIP: 154
 FFP: 21-22 FSIP: 146

TG, C1-C5

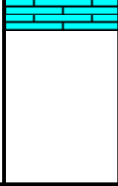
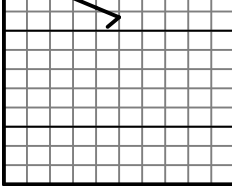
1 10 100 1000

CFS 60"

Mudco mdchk
 Wt: 9.4 Vis: 58
 pH: 10.0 Fil: 9.6
 LCM: 1#

Mississippian: 4649 (-1533)

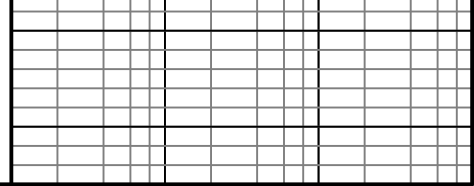
down for pump repair 3 hours



LS: AA

RTD: 4720

LTD: 4720





DRILL STEM TEST REPORT

Prepared For: **White Exploration, Inc**

PO Box 780425
Wichita, KS 67278

ATTN: Andrew White

Close #1

24-10s-33w Thomas,KS

Start Date: 2021.01.09 @ 11:45:00

End Date: 2021.01.09 @ 18:56:15

Job Ticket #: 66806 DST #: 1

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

Printed: 2021.01.14 @ 11:13:57



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66806

DST#: 1

ATTN: Andrew White

Test Start: 2021.01.09 @ 11:45:00

GENERAL INFORMATION:

Formation: **Toronto - LKC A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:36:00

Time Test Ended: 18:56:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4026.00 ft (KB) To 4051.00 ft (KB) (TVD)

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4051.00 ft (KB) (TVD)

3111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8522 Inside

Press@RunDepth: 358.89 psig @ 4027.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.01.09

End Date: 2021.01.09

Last Calib.: 2021.01.09

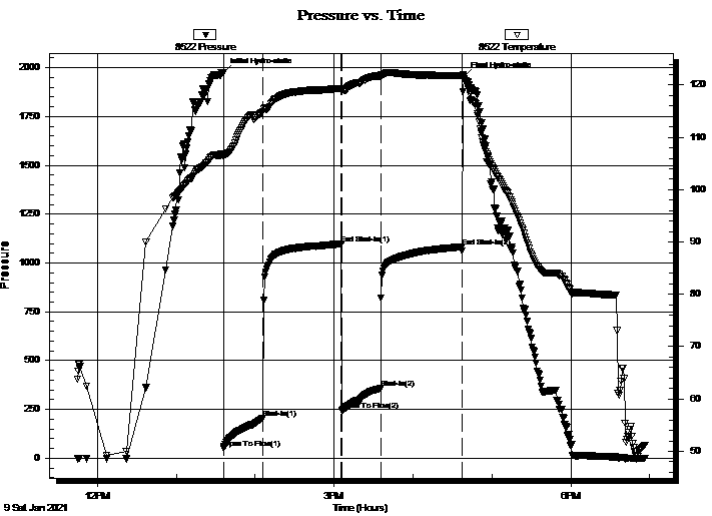
Start Time: 11:45:05

End Time: 18:56:14

Time On Btm: 2021.01.09 @ 13:35:45

Time Off Btm: 2021.01.09 @ 16:38:30

TEST COMMENT: 30- IF: 19" blow .
60- IS: No return.
30- FF: 15" blow .
60- FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1975.71	106.88	Initial Hydro-static
1	51.61	106.30	Open To Flow (1)
31	206.67	114.95	Shut-In(1)
90	1097.28	119.37	End Shut-In(1)
90	246.21	119.07	Open To Flow (2)
120	358.89	121.75	Shut-In(2)
182	1082.37	121.80	End Shut-In(2)
183	1955.57	121.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
730.00	smcw 3m97w	8.61

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66806

DST#: 1

ATTN: Andrew White

Test Start: 2021.01.09 @ 11:45:00

Tool Information

Drill Pipe:	Length: 3840.00 ft	Diameter: 3.80 inches	Volume: 53.87 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 54.75 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4026.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	55.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3997.00	
Shut In Tool	5.00		Fluid	4002.00	
Hydraulic tool	5.00			4007.00	
Em Tool	3.00			4010.00	
Jars	5.00			4015.00	
Safety Joint	2.00			4017.00	
Packer	5.00		Inside	4022.00	30.00 Bottom Of Top Packer
Packer	4.00			4026.00	
Stubb	1.00			4027.00	
Recorder	0.00	8522	Inside	4027.00	
Recorder	0.00	8319	Outside	4027.00	
Perforations	21.00			4048.00	
Bullnose	3.00			4051.00	25.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66806

DST#: 1

ATTN: Andrew White

Test Start: 2021.01.09 @ 11:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

31000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
730.00	smcw 3m 97w	8.609

Total Length: 730.00 ft Total Volume: 8.609 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .382 @ 40f = 31000ppm

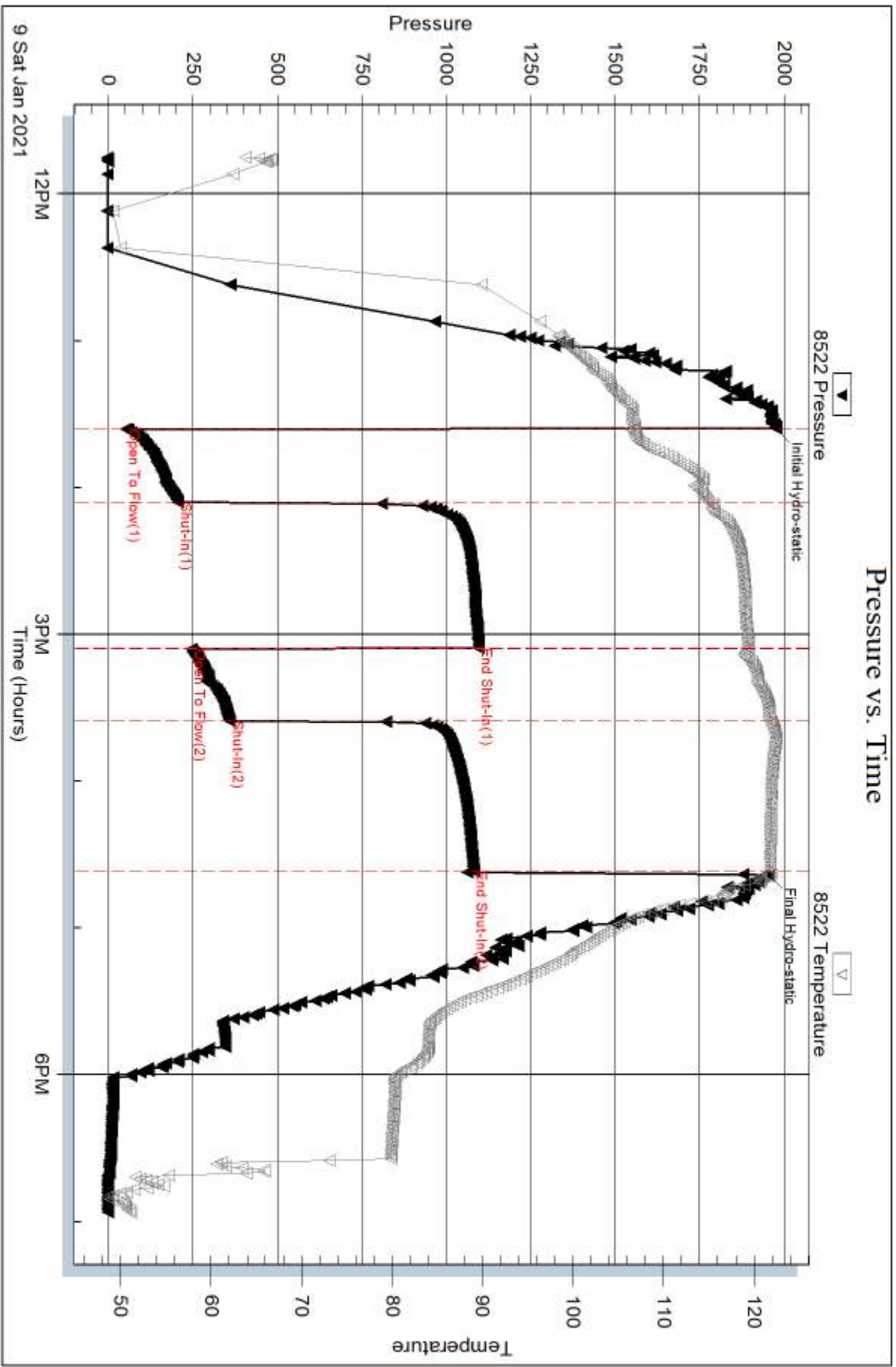
Serial #: 8522

Inside

White Exploration, Inc

Case #1

DST Test Number: 1

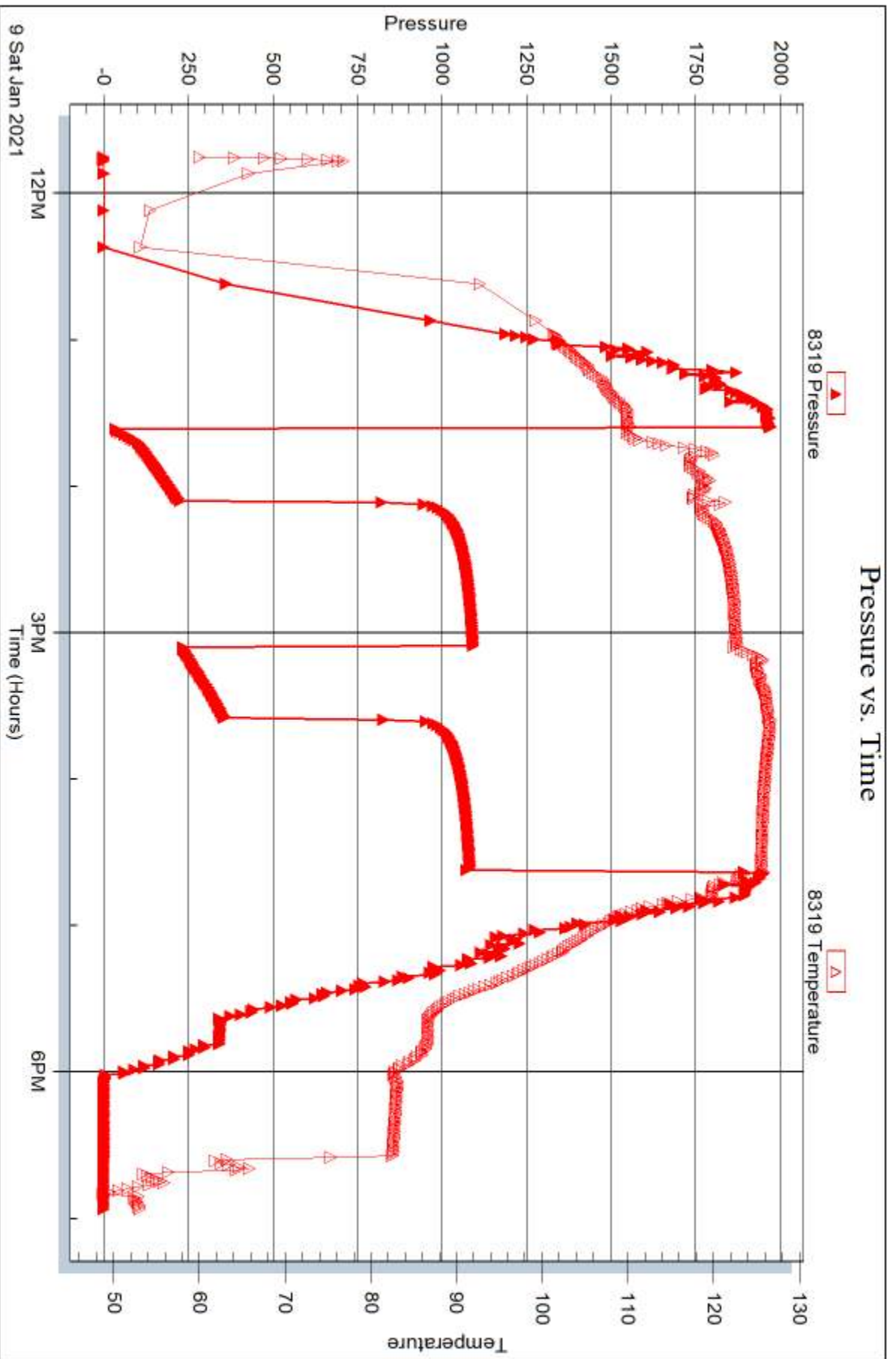


Serial #: 8319

Outside White Exploration, Inc

Close #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 66806

Printed: 2021.01.14 @ 11:13:58



DRILL STEM TEST REPORT

Prepared For: **White Exploration, Inc**

PO Box 780425
Wichita, KS 67278

ATTN: Andrew White

Close #1

24-10s-33w Thomas,KS

Start Date: 2021.01.10 @ 01:45:00

End Date: 2021.01.10 @ 11:22:00

Job Ticket #: 66807 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.01.14 @ 10:37:09



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66807

DST#: 2

ATTN: Andrew White

Test Start: 2021.01.10 @ 01:45:00

GENERAL INFORMATION:

Formation: **LKC B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:40:45

Time Test Ended: 11:22:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4065.00 ft (KB) To 4090.00 ft (KB) (TVD)

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4090.00 ft (KB) (TVD)

3111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8522 Inside

Press@RunDepth: 94.46 psig @ 4066.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.01.10

End Date:

2021.01.10

Last Calib.:

2021.01.10

Start Time: 01:45:05

End Time:

11:22:00

Time On Btm:

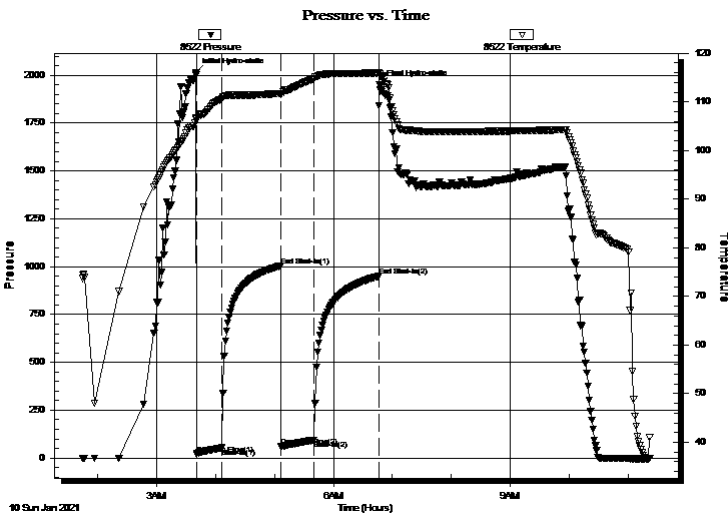
2021.01.10 @ 03:40:30

Time Off Btm:

2021.01.10 @ 06:47:00

TEST COMMENT: 30- IF: 1" blow .
60- IS: No return.
30- FF: 1/4" blow .
60- FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2014.73	106.65	Initial Hydro-static
1	20.64	106.19	Open To Flow (1)
27	53.30	110.63	Shut-In(1)
86	1003.65	111.76	End Shut-In(1)
87	59.06	111.47	Open To Flow (2)
120	94.46	114.84	Shut-In(2)
186	949.65	115.97	End Shut-In(2)
187	1949.56	115.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	somcw 1o 4m 95w	0.74
3.00	oil 100o	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66807

DST#: 2

ATTN: Andrew White

Test Start: 2021.01.10 @ 01:45:00

GENERAL INFORMATION:

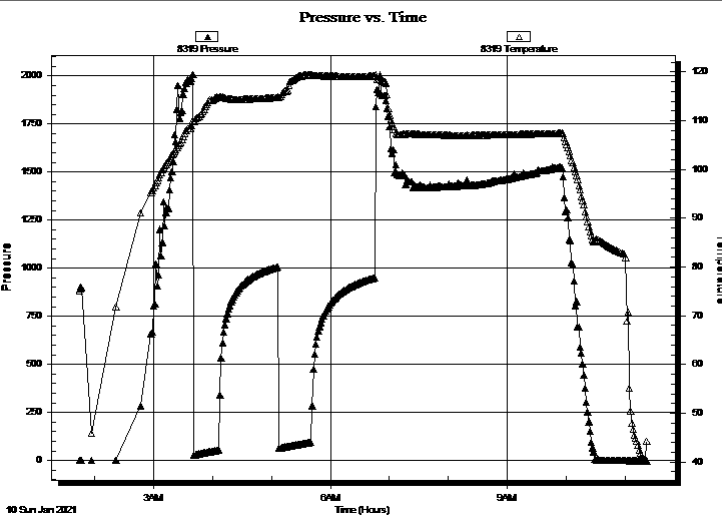
Formation: LKC B		
Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 03:40:45	Tester: Bradley Walter	
Time Test Ended: 11:22:00	Unit No: 78	
Interval: 4065.00 ft (KB) To 4090.00 ft (KB) (TVD)	Reference Elevations: 3116.00 ft (KB)	
Total Depth: 4090.00 ft (KB) (TVD)	3111.00 ft (CF)	
Hole Diameter: 7.88 inches Hole Condition: Good	KB to GR/CF: 5.00 ft	

Serial #: 8319

Outside

Press@RunDepth: psig @ 4066.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2021.01.10 End Date: 2021.01.10	Last Calib.: 2021.01.10
Start Time: 01:45:05 End Time: 11:22:00	Time On Btm:
	Time Off Btm:

TEST COMMENT: 30- IF: 1" blow .
60- IS: No return.
30- FF: 1/4" blow .
60- FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
150.00	somcw 1o 4m 95w	0.74
3.00	oil 100o	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66807

DST#: 2

ATTN: Andrew White

Test Start: 2021.01.10 @ 01:45:00

Tool Information

Drill Pipe:	Length: 3875.00 ft	Diameter: 3.80 inches	Volume: 54.36 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 55.24 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4065.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	55.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4036.00	
Shut In Tool	5.00		Fluid	4041.00	
Hydraulic tool	5.00			4046.00	
Em Tool	3.00			4049.00	
Jars	5.00			4054.00	
Safety Joint	2.00			4056.00	
Packer	5.00		Inside	4061.00	30.00 Bottom Of Top Packer
Packer	4.00			4065.00	
Stubb	1.00			4066.00	
Recorder	0.00	8522	Inside	4066.00	
Recorder	0.00	8319	Outside	4066.00	
Perforations	21.00			4087.00	
Bullnose	3.00			4090.00	25.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66807

DST#: 2

ATTN: Andrew White

Test Start: 2021.01.10 @ 01:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

39000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	somcw 1o 4m 95w	0.738
3.00	oil 100o	0.015

Total Length: 153.00 ft Total Volume: 0.753 bbl

Num Fluid Samples: 0

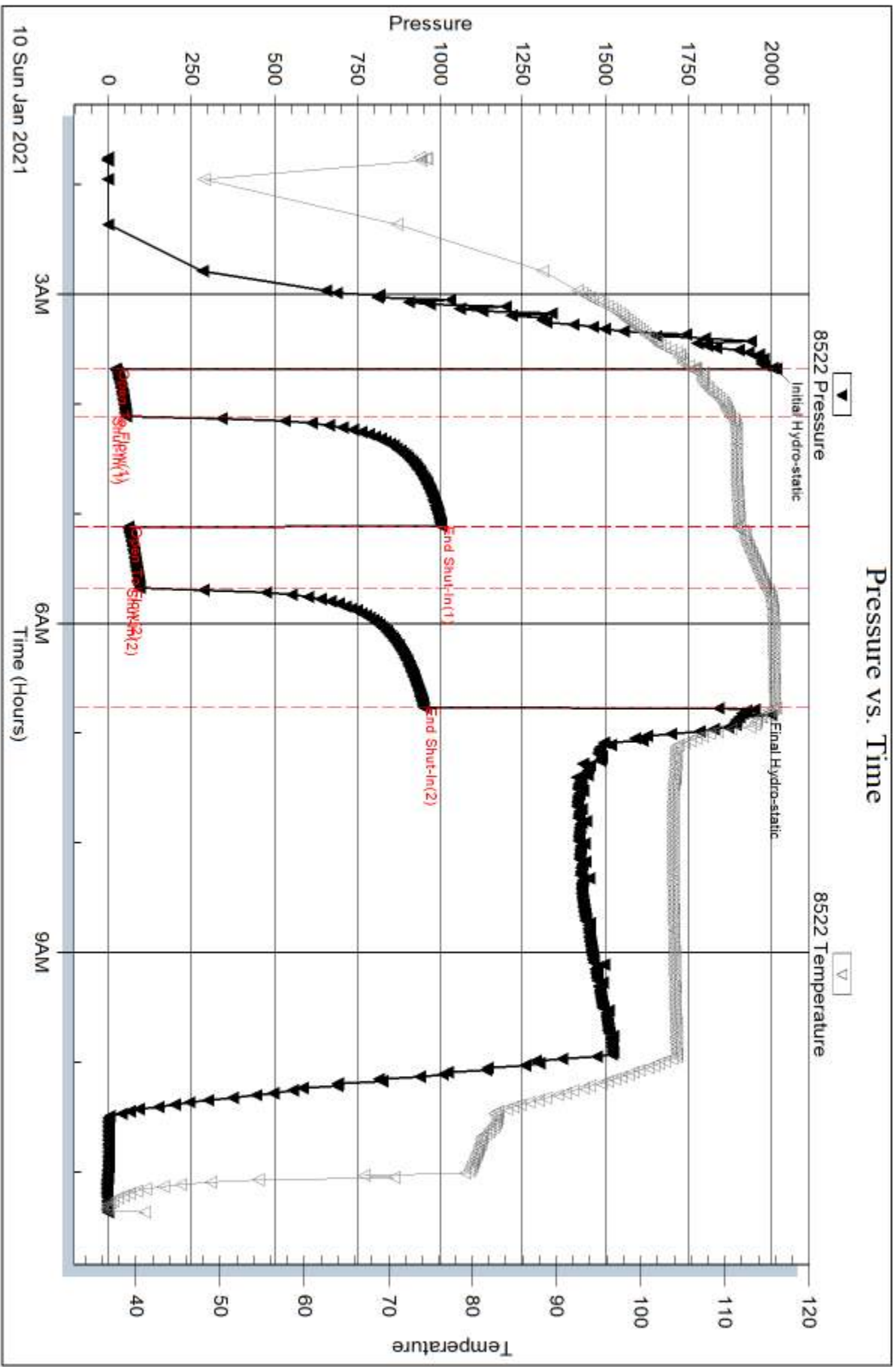
Num Gas Bombs: 0

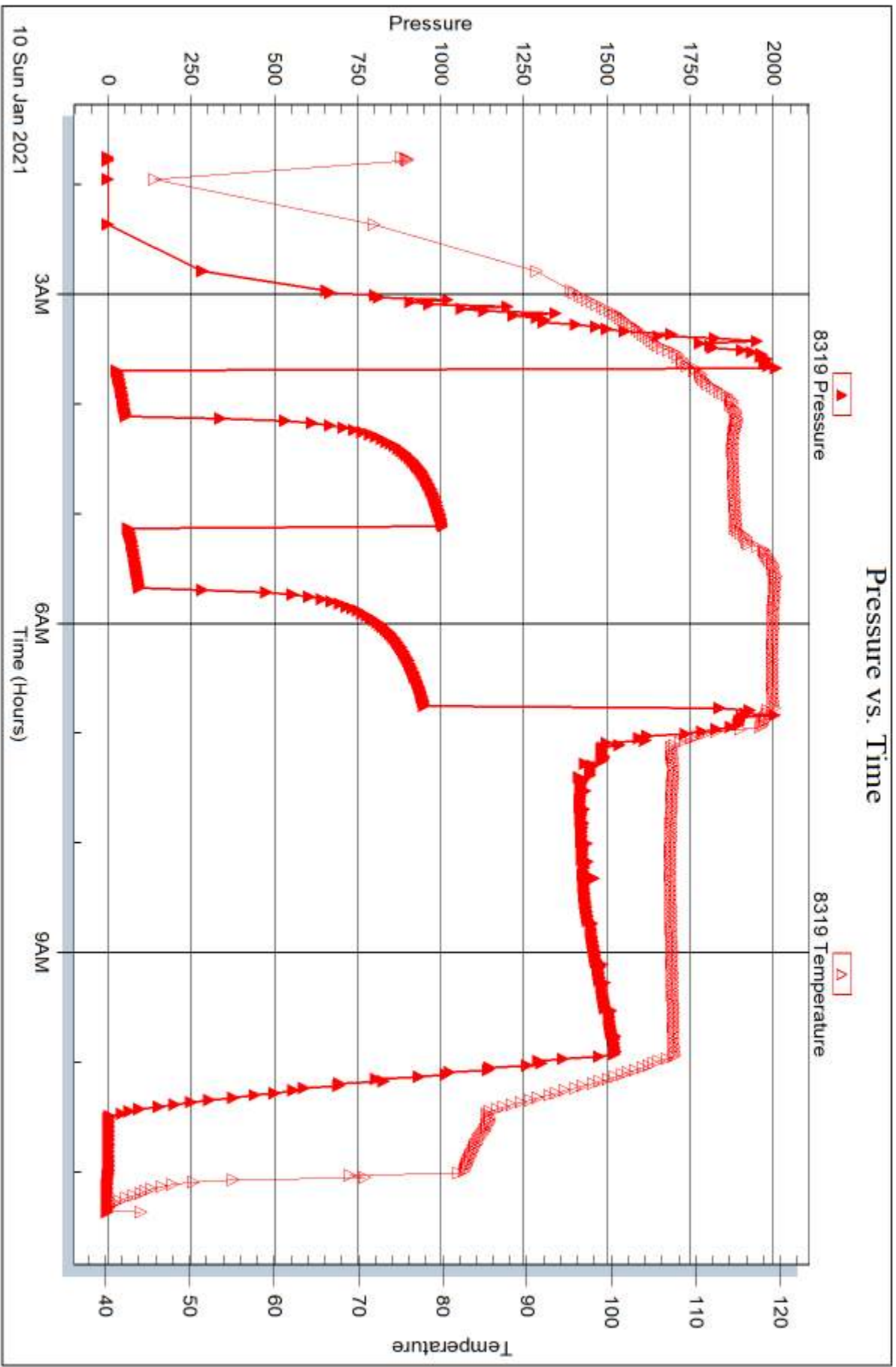
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .361 2 36F = 39,000ppm







DRILL STEM TEST REPORT

Prepared For: **White Exploration, Inc**

PO Box 780425
Wichita, KS 67278

ATTN: Andrew White

Close #1

24-10s-33w Thomas,KS

Start Date: 2021.01.10 @ 23:19:00

End Date: 2021.01.11 @ 06:54:15

Job Ticket #: 66808 DST #: 3

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

Printed: 2021.01.14 @ 10:30:12



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66808

DST#: 3

ATTN: Andrew White

Test Start: 2021.01.10 @ 23:19:00

GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:15:15

Time Test Ended: 06:54:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4175.00 ft (KB) To 4210.00 ft (KB) (TVD)

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4210.00 ft (KB) (TVD)

3111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8522 Inside

Press@RunDepth: 108.59 psig @ 4176.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.01.10

End Date:

2021.01.11

Last Calib.: 2021.01.11

Start Time: 23:19:05

End Time:

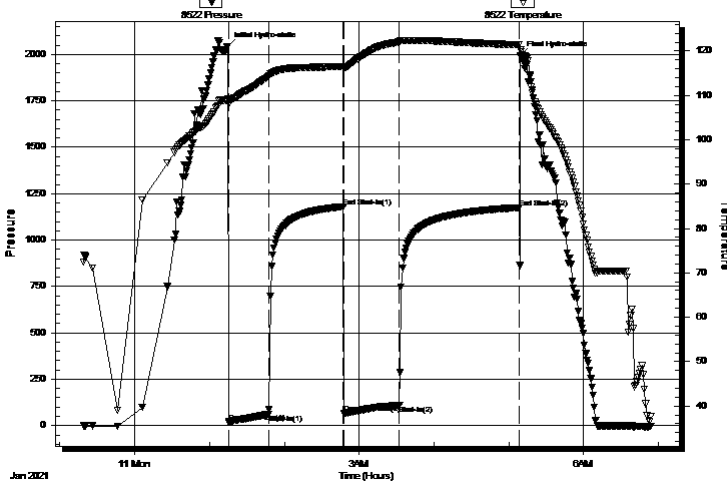
06:54:14

Time On Btm: 2021.01.11 @ 01:14:45

Time Off Btm: 2021.01.11 @ 05:09:30

TEST COMMENT: 30- IF: 1 1/2" blow .
60- IS: No return.
45- FF: 1/2" blow .
90- FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2042.94	109.10	Initial Hydro-static
1	17.94	107.99	Open To Flow (1)
33	61.46	114.33	Shut-In(1)
93	1180.07	116.49	End Shut-In(1)
93	65.96	116.19	Open To Flow (2)
138	108.59	122.03	Shut-In(2)
234	1174.75	121.40	End Shut-In(2)
235	1995.31	120.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	mcw 3m 97w	1.03

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66808

DST#: 3

ATTN: Andrew White

Test Start: 2021.01.10 @ 23:19:00

Tool Information

Drill Pipe:	Length: 3999.00 ft	Diameter: 3.80 inches	Volume: 56.10 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 56.98 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4175.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	65.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4146.00	
Shut In Tool	5.00		Fluid	4151.00	
Hydraulic tool	5.00			4156.00	
Em Tool	3.00			4159.00	
Jars	5.00			4164.00	
Safety Joint	2.00			4166.00	
Packer	5.00		Inside	4171.00	30.00 Bottom Of Top Packer
Packer	4.00			4175.00	
Stubb	1.00			4176.00	
Recorder	0.00	8522	Inside	4176.00	
Recorder	0.00	8319	Outside	4176.00	
Perforations	31.00			4207.00	
Bullnose	3.00			4210.00	35.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66808

DST#: 3

ATTN: Andrew White

Test Start: 2021.01.10 @ 23:19:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

51000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	mcw 3m 97w	1.035

Total Length: 190.00 ft Total Volume: 1.035 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

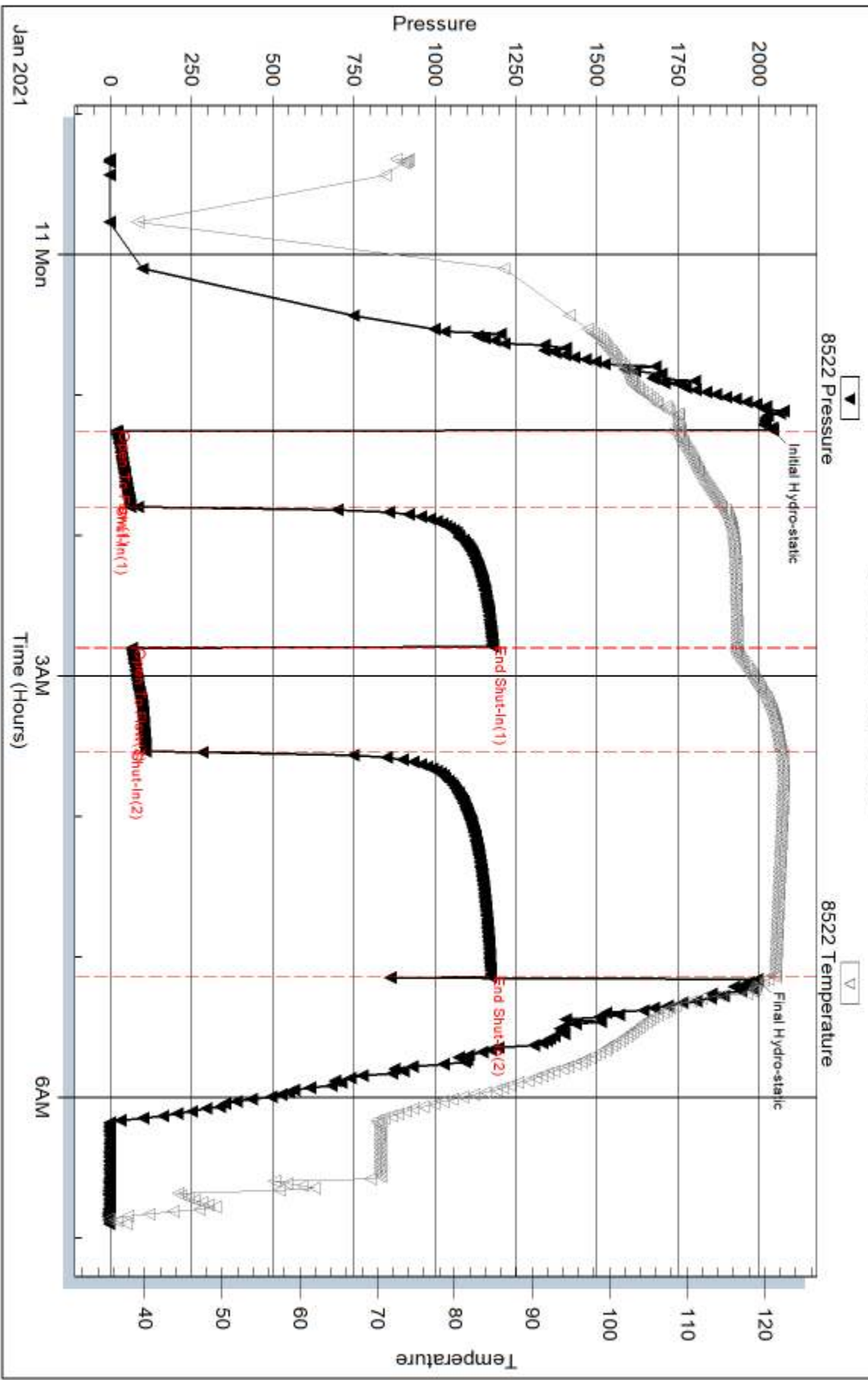
Serial #:

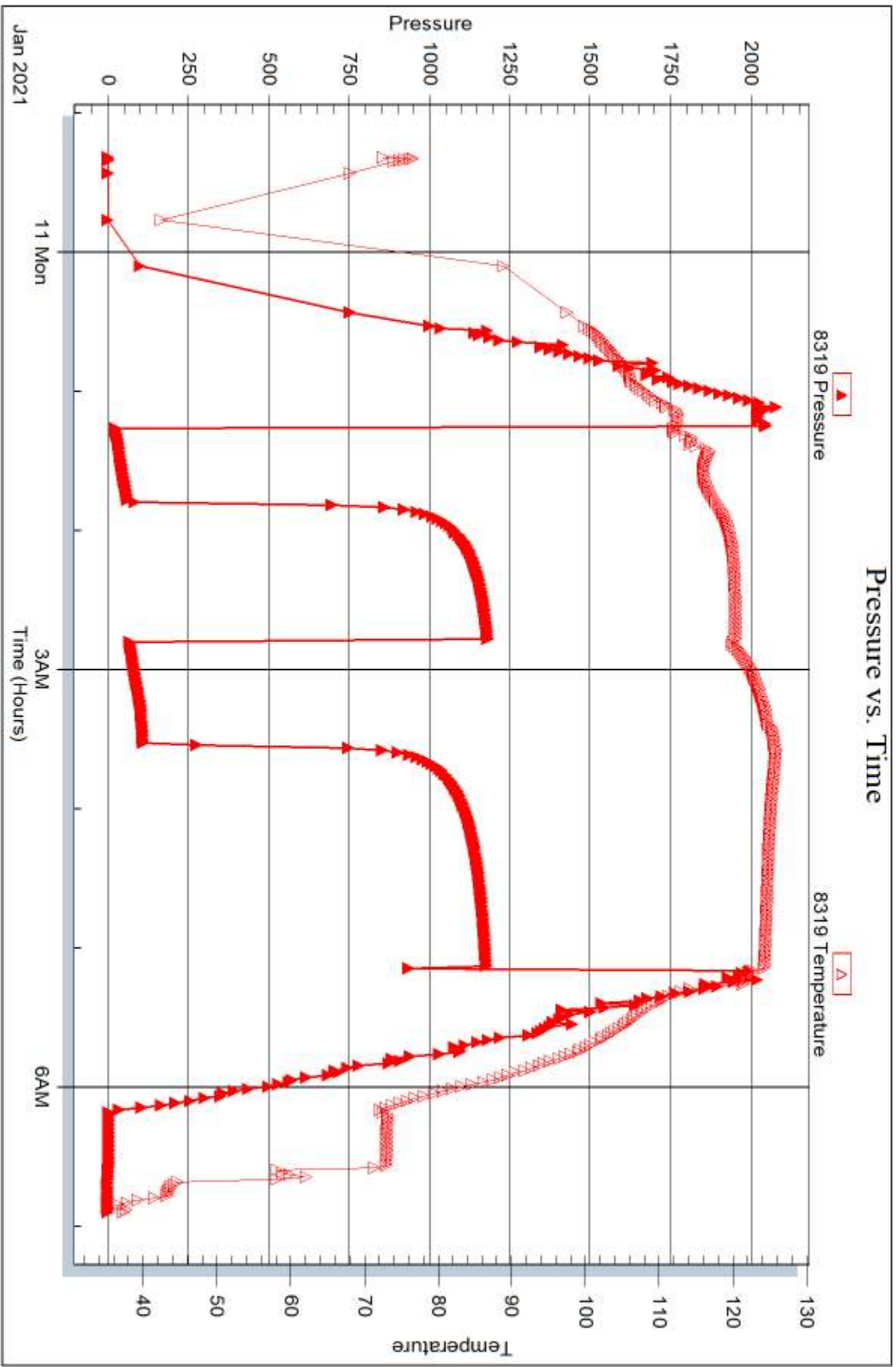
Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .234 @ 34f = 51000

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **White Exploration, Inc**

PO Box 780425
Wichita, KS 67278

ATTN: Andrew White

Close #1

24-10s-33w Thomas,KS

Start Date: 2021.01.11 @ 16:54:00

End Date: 2021.01.12 @ 00:32:15

Job Ticket #: 66809 DST #: 4

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

Printed: 2021.01.14 @ 10:28:01

White Exploration, Inc 24-10s-33w Thomas,KS Close #1 DST # 4 LKC: I - J 2021.01.11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66809

DST#: 4

ATTN: Andrew White

Test Start: 2021.01.11 @ 16:54:00

Tool Information

Drill Pipe:	Length: 4033.00 ft	Diameter: 3.80 inches	Volume: 56.57 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 57.45 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4210.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	90.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4181.00	
Shut In Tool	5.00		Fluid	4186.00	
Hydraulic tool	5.00			4191.00	
Em Tool	3.00			4194.00	
Jars	5.00			4199.00	
Safety Joint	2.00			4201.00	
Packer	5.00		Inside	4206.00	30.00 Bottom Of Top Packer
Packer	4.00			4210.00	
Stubb	1.00			4211.00	
Recorder	0.00	8522	Inside	4211.00	
Recorder	0.00	8319	Outside	4211.00	
Perforations	23.00			4234.00	
Change Over Sub	1.00			4235.00	
Drill Pipe	31.00			4266.00	
Change Over Sub	1.00			4267.00	
Bullnose	3.00			4270.00	60.00 Bottom Packers & Anchor
Total Tool Length:	90.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66809

DST#: 4

ATTN: Andrew White

Test Start: 2021.01.11 @ 16:54:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
300.00	gmocw 10g 25m 25o 40w	2.578
160.00	gmw co 10g 15m 30w 45o	2.244
20.00	oil 100o	0.281
0.00	70' GIP	0.000

Total Length: 480.00 ft Total Volume: 5.103 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

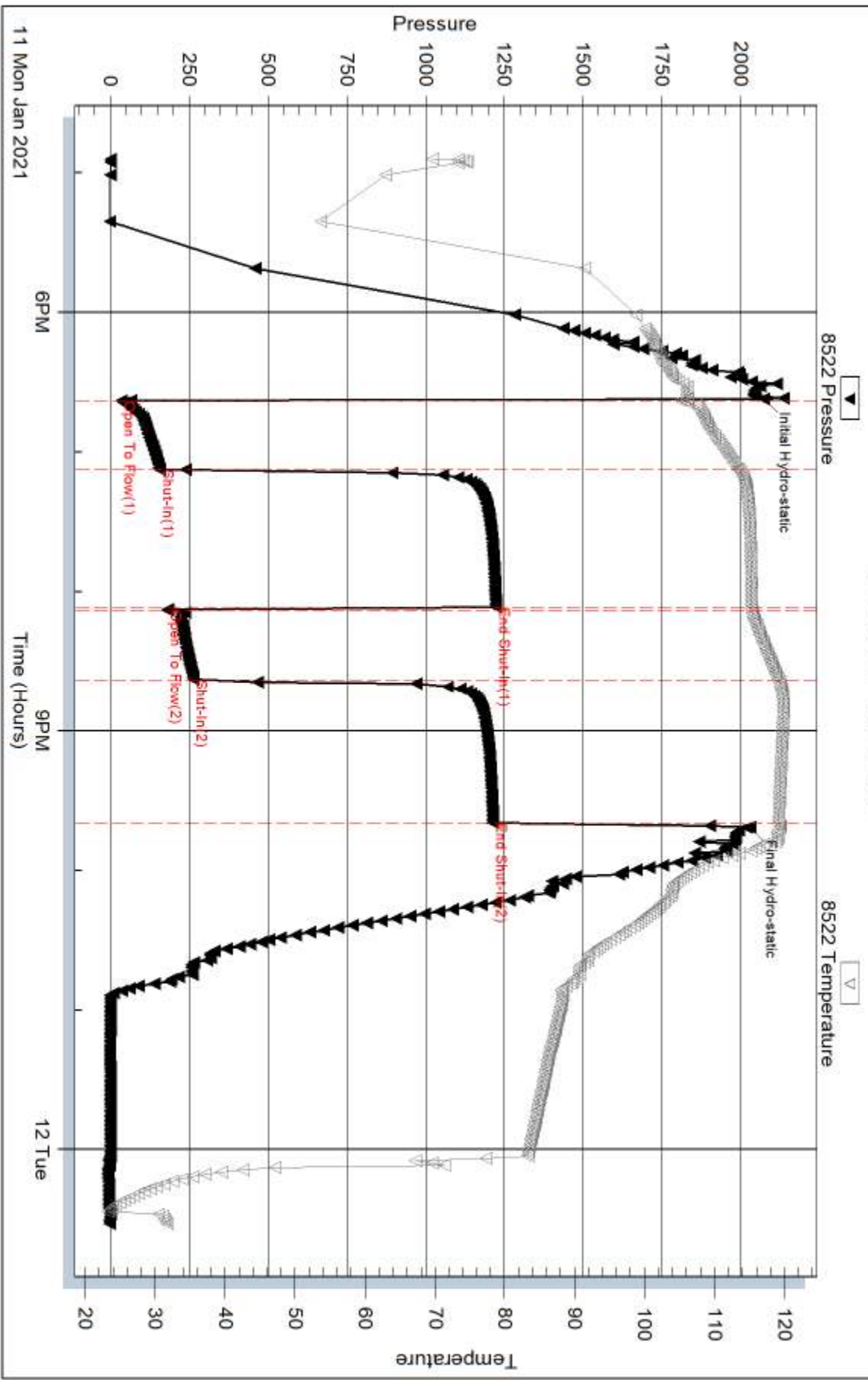
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .383 @ 39f = 32000ppm

Pressure vs. Time

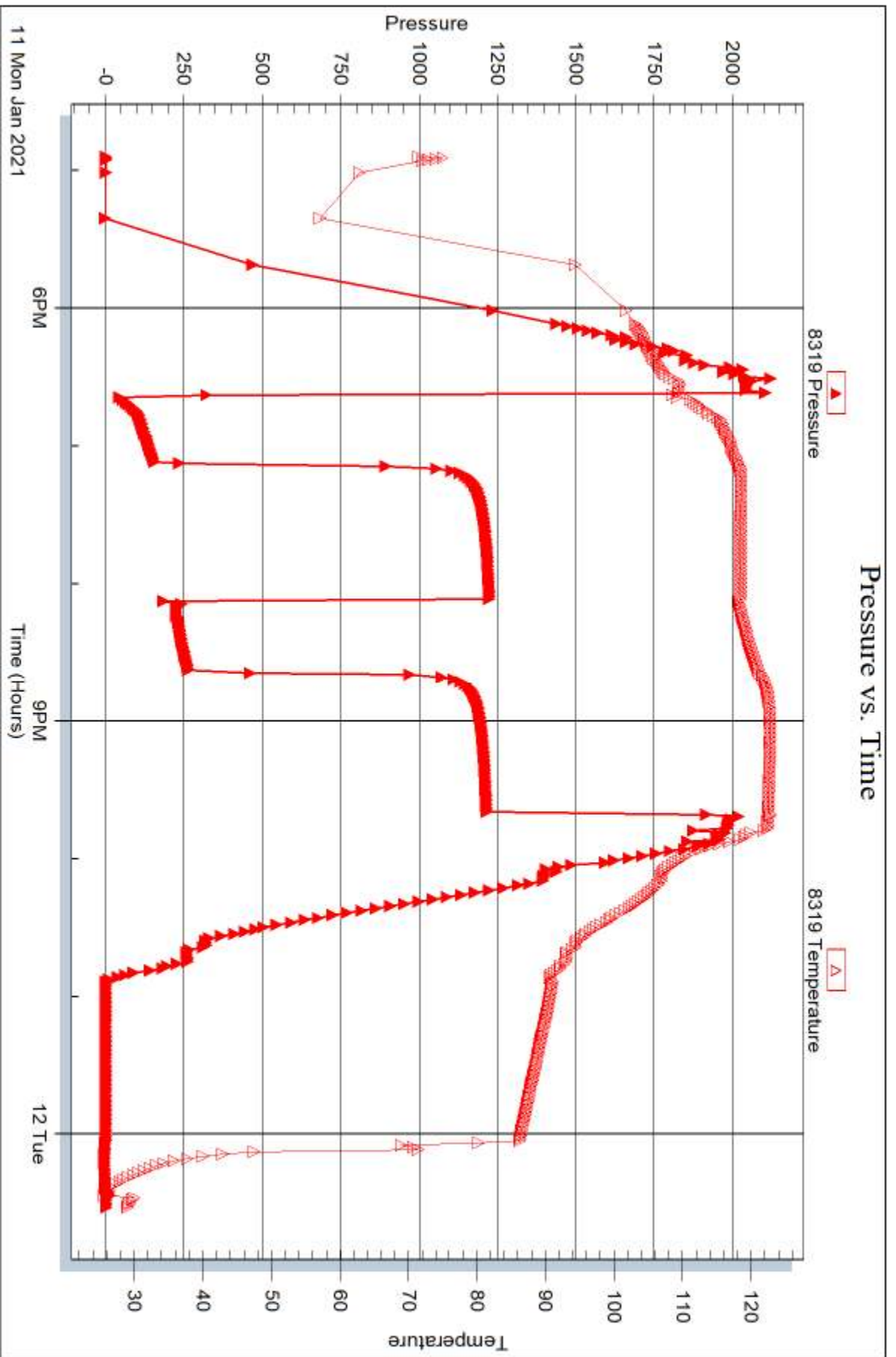


Serial #: 8319

Outside White Exploration, Inc

Close #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 66809

Printed: 2021.01.14 @ 10:28:02



DRILL STEM TEST REPORT

Prepared For: **White Exploration, Inc**

PO Box 780425
Wichita, KS 67278

ATTN: Andrew White

Close #1

24-10s-33w Thomas,KS

Start Date: 2021.01.12 @ 11:34:00

End Date: 2021.01.12 @ 16:23:15

Job Ticket #: 66810 DST #: 5

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

Printed: 2021.01.14 @ 10:23:30

White Exploration, Inc
24-10s-33w Thomas,KS
Close #1
DST # 5
LKC L
2021.01.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66810

DST#: 5

ATTN: Andrew White

Test Start: 2021.01.12 @ 11:34:00

GENERAL INFORMATION:

Formation: **LKC L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:23:00

Time Test Ended: 16:23:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4295.00 ft (KB) To 4330.00 ft (KB) (TVD)

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4330.00 ft (KB) (TVD)

3111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8522 Inside

Press@RunDepth: 21.91 psig @ 4296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.01.12 End Date: 2021.01.12

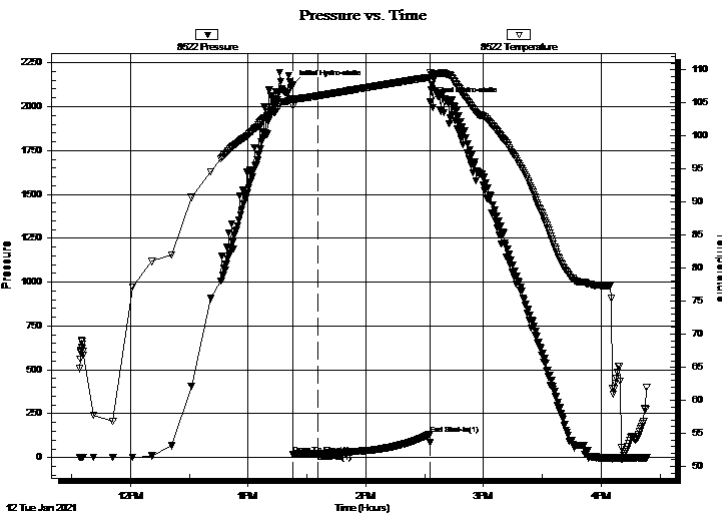
Last Calib.: 2021.01.12

Start Time: 11:34:05 End Time: 16:23:14

Time On Btm: 2021.01.12 @ 13:22:45

Time Off Btm: 2021.01.12 @ 14:33:00

TEST COMMENT: 10- IF: 1/4" blow .
60- IS: No return.
Pulled Test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2123.05	105.68	Initial Hydro-static
1	20.21	104.56	Open To Flow (1)
13	21.91	106.05	Shut-In(1)
70	133.91	108.88	End Shut-In(1)
71	2026.46	109.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100m (oil spots)	0.01

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66810

DST#: 5

ATTN: Andrew White

Test Start: 2021.01.12 @ 11:34:00

GENERAL INFORMATION:

Formation: **LKC L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:23:00

Time Test Ended: 16:23:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4295.00 ft (KB) To 4330.00 ft (KB) (TVD)

Total Depth: 4330.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3116.00 ft (KB)

3111.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8319 Outside

Press@RunDepth: psig @ 4296.00 ft (KB)

Start Date: 2021.01.12

End Date:

2021.01.12

Start Time: 11:34:05

End Time:

16:23:29

Capacity: 8000.00 psig

Last Calib.:

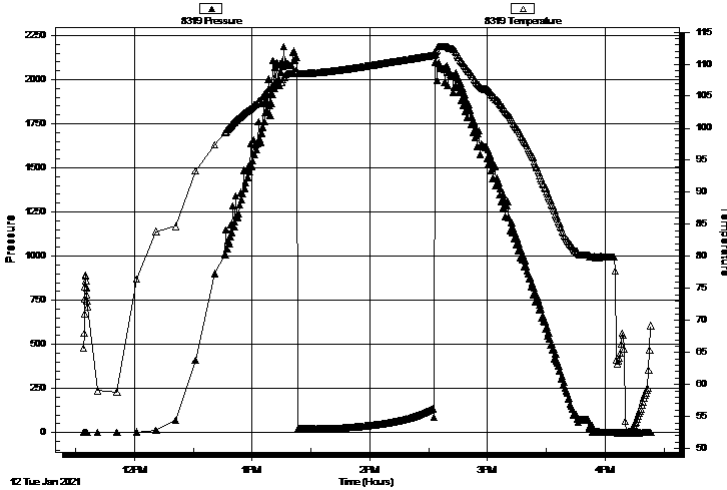
2021.01.12

Time On Btm:

Time Off Btm:

TEST COMMENT: 10- IF: 1/4" blow .
60- IS: No return.
Pulled Test

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100m (oil spots)	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66810

DST#: 5

ATTN: Andrew White

Test Start: 2021.01.12 @ 11:34:00

Tool Information

Drill Pipe:	Length: 4095.00 ft	Diameter: 3.80 inches	Volume: 57.44 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4295.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	65.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4266.00	
Shut In Tool	5.00		Fluid	4271.00	
Hydraulic tool	5.00			4276.00	
Em Tool	3.00			4279.00	
Jars	5.00			4284.00	
Safety Joint	2.00			4286.00	
Packer	5.00		Inside	4291.00	30.00 Bottom Of Top Packer
Packer	4.00			4295.00	
Stubb	1.00			4296.00	
Recorder	0.00	8522	Inside	4296.00	
Recorder	0.00	8319	Outside	4296.00	
Perforations	31.00			4327.00	
Bullnose	3.00			4330.00	35.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66810

DST#: 5

ATTN: Andrew White

Test Start: 2021.01.12 @ 11:34:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100m (oil spots)	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

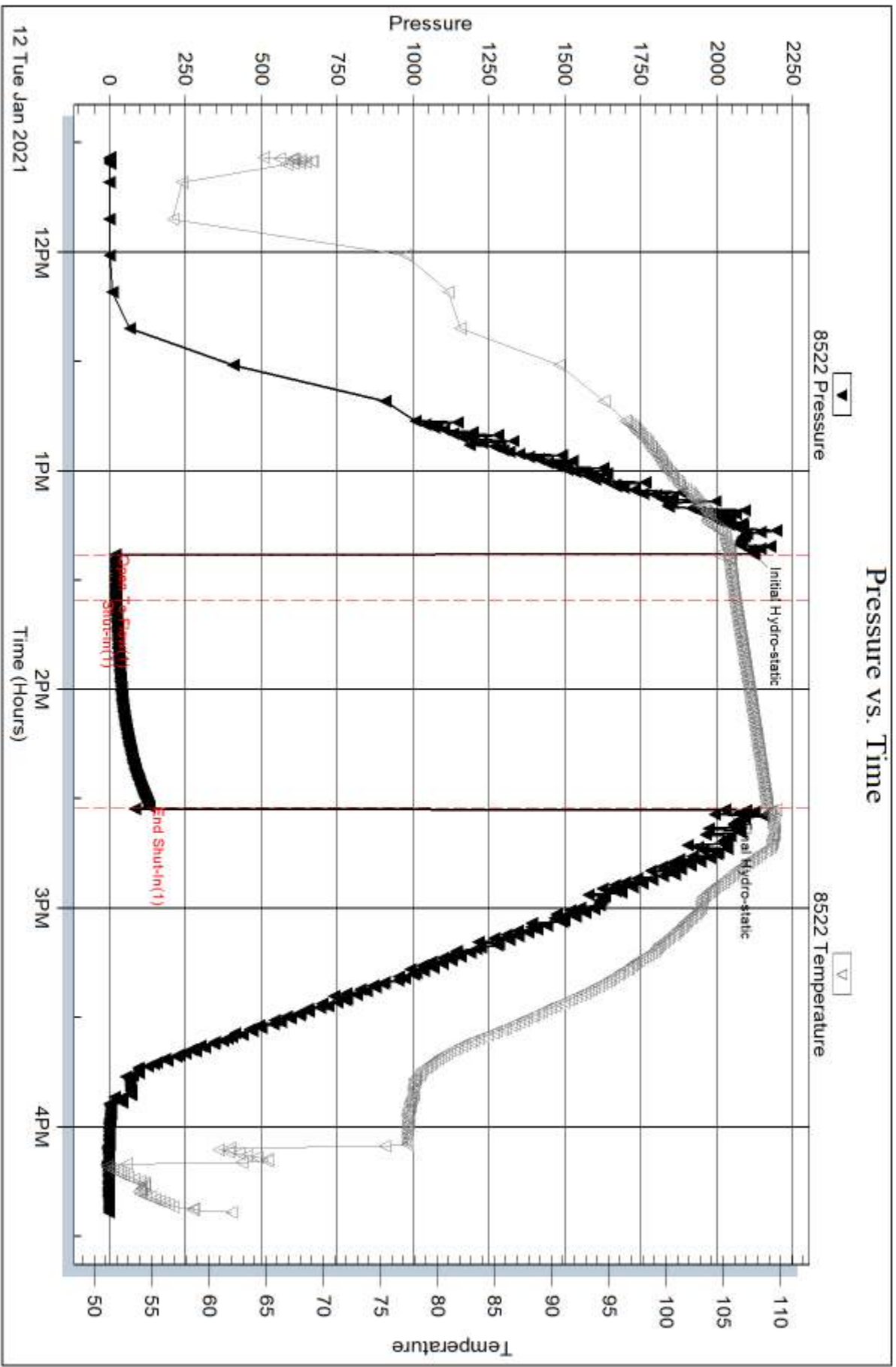
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

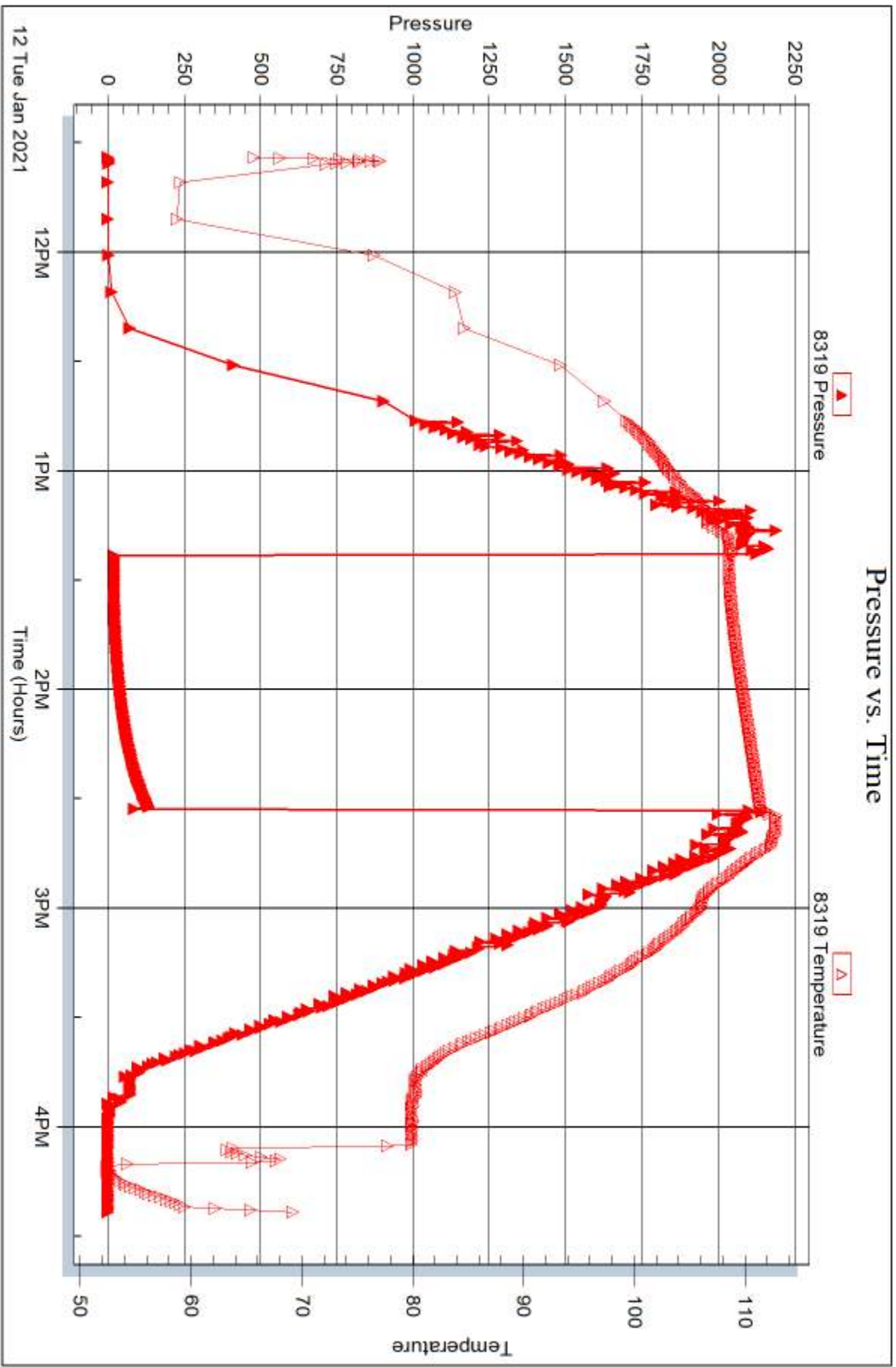


Serial #: 8319

Outside White Exploration, Inc

Close #1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 66810

Printed: 2021.01.14 @ 10:23:31



DRILL STEM TEST REPORT

Prepared For: **White Exploration, Inc**

PO Box 780425
Wichita, KS 67278

ATTN: Andrew White

Close #1

24-10s-33w Thomas,KS

Start Date: 2021.01.13 @ 18:29:00

End Date: 2021.01.14 @ 03:23:45

Job Ticket #: 66811 DST #: 6

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

Printed: 2021.01.14 @ 10:22:45



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66811

DST#: 6

ATTN: Andrew White

Test Start: 2021.01.13 @ 18:29:00

GENERAL INFORMATION:

Formation: **Pawnee - Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:35:00

Time Test Ended: 03:23:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4475.00 ft (KB) To 4620.00 ft (KB) (TVD)

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4620.00 ft (KB) (TVD)

3111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8522 Inside

Press@RunDepth: 34.34 psig @ 4476.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.01.13

End Date:

2021.01.14

Last Calib.: 2021.01.14

Start Time: 18:29:05

End Time:

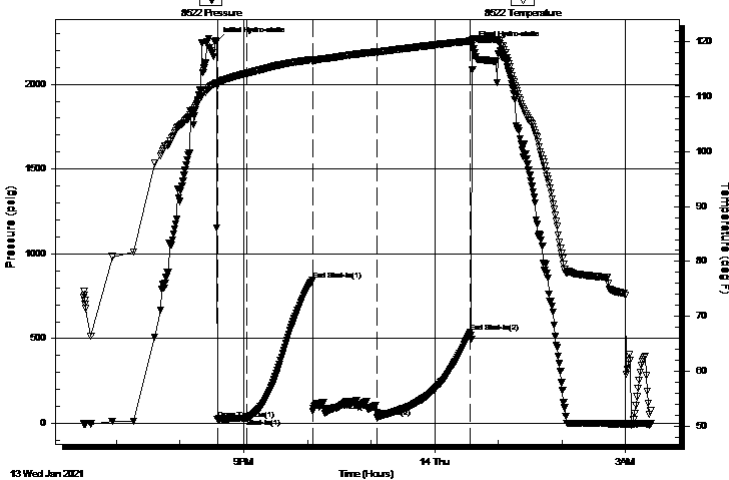
03:23:45

Time On Btm: 2021.01.13 @ 20:34:30

Time Off Btm: 2021.01.14 @ 00:35:30

TEST COMMENT: 30- IF: 1/2" blow .
60- IS: No return.
60- FF: surface blow . - significant plugging
90; FSI: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2251.41	112.51	Initial Hydro-static
1	25.39	111.93	Open To Flow (1)
29	32.40	114.23	Shut-In(1)
91	846.40	116.74	End Shut-In(1)
91	72.42	116.38	Open To Flow (2)
152	34.34	118.08	Shut-In(2)
239	537.52	120.10	End Shut-In(2)
241	2226.23	120.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100m (oil spots)	0.15

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66811

DST#: 6

ATTN: Andrew White

Test Start: 2021.01.13 @ 18:29:00

Tool Information

Drill Pipe:	Length: 4285.00 ft	Diameter: 3.80 inches	Volume: 60.11 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 60.99 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4475.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	145.00 ft				
Tool Length:	175.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4446.00	
Shut In Tool	5.00		Fluid	4451.00	
Hydraulic tool	5.00			4456.00	
Em Tool	3.00			4459.00	
Jars	5.00			4464.00	
Safety Joint	2.00			4466.00	
Packer	5.00		Inside	4471.00	30.00 Bottom Of Top Packer
Packer	4.00			4475.00	
Stubb	1.00			4476.00	
Recorder	0.00	8522	Inside	4476.00	
Recorder	0.00	8319	Outside	4476.00	
Perforations	13.00			4489.00	
Change Over Sub	1.00			4490.00	
Drill Pipe	126.00			4616.00	
Change Over Sub	1.00			4617.00	
Bullnose	3.00			4620.00	145.00 Bottom Packers & Anchor
Total Tool Length:	175.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66811

DST#: 6

ATTN: Andrew White

Test Start: 2021.01.13 @ 18:29:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100m (oil spots)	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

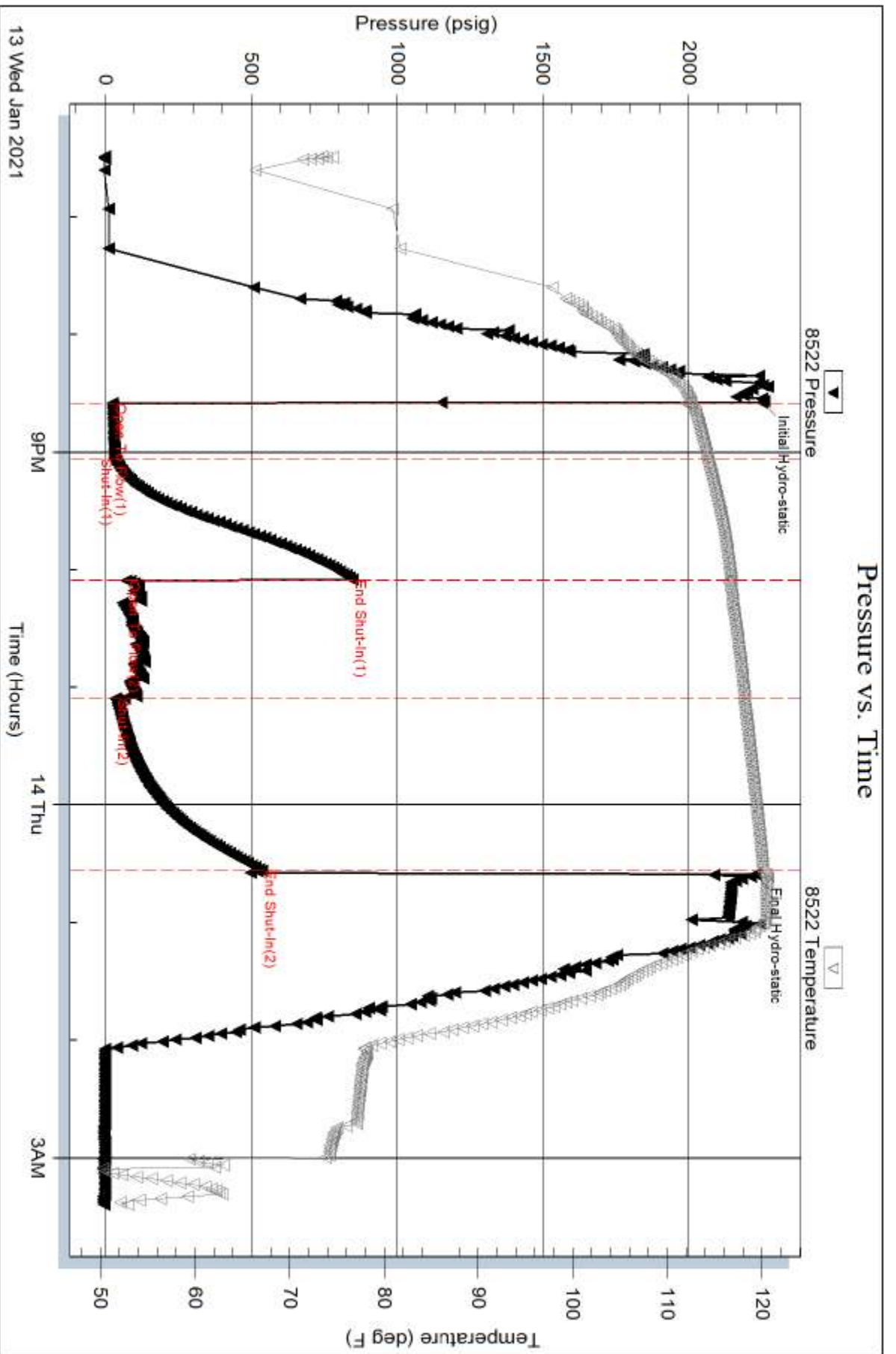
Num Gas Bombs: 0

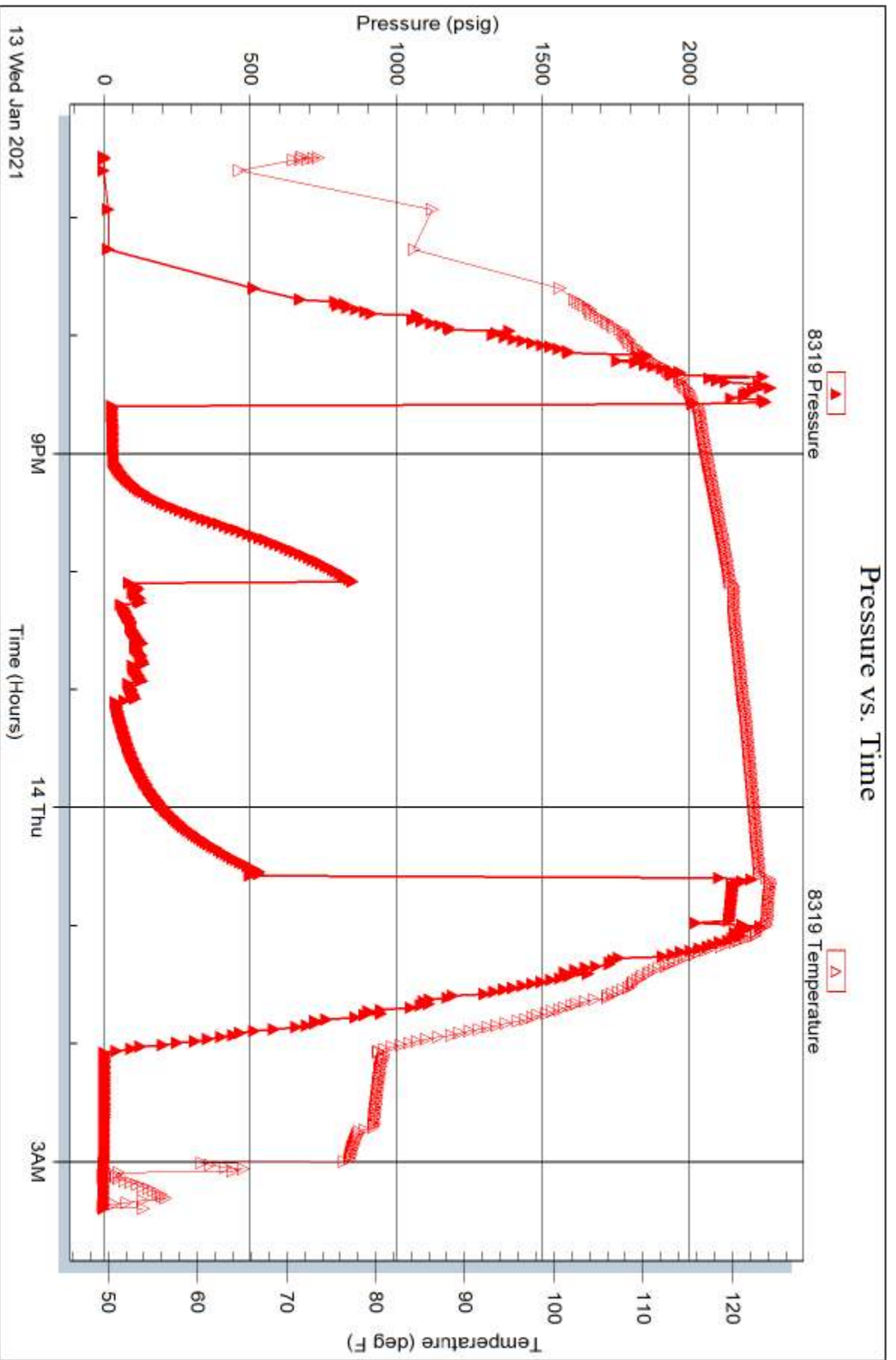
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **White Exploration, Inc**

PO Box 780425
Wichita, KS 67278

ATTN: Andrew White

Close #1

24-10s-33w Thomas,KS

Start Date: 2021.01.15 @ 02:30:00

End Date: 2021.01.15 @ 11:33:58

Job Ticket #: 66812 DST #: 7

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

Printed: 2021.01.15 @ 13:54:38



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66812

DST#: 7

ATTN: Andrew White

Test Start: 2021.01.15 @ 02:30:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:24:28

Time Test Ended: 11:33:58

Test Type: Conventional Straddle (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4590.00 ft (KB) To 4618.00 ft (KB) (TVD)

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4720.00 ft (KB) (TVD)

3111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8319 Outside

Press@RunDepth: 22.20 psig @ 4591.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.01.15

End Date:

2021.01.15

Last Calib.: 2021.01.15

Start Time: 02:30:05

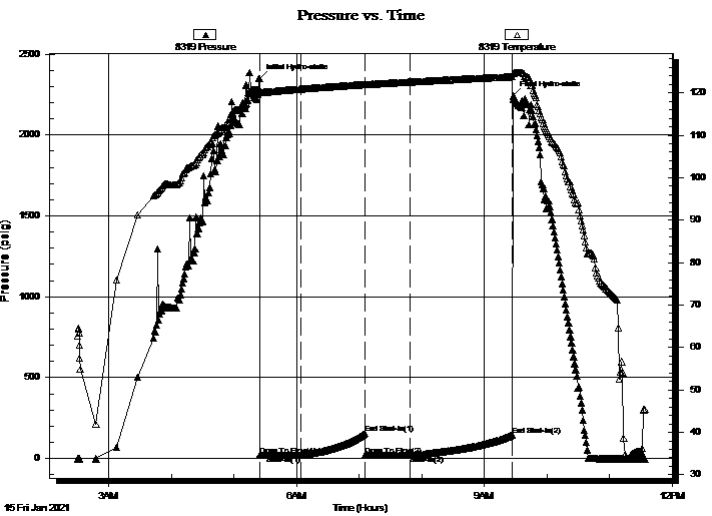
End Time:

11:33:58

Time On Btm: 2021.01.15 @ 05:24:13

Time Off Btm: 2021.01.15 @ 09:27:58

TEST COMMENT: 40- IF: 3/4" blow .
60- IS: No return.
45- FF; Surface blow .
90- FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2348.58	120.64	Initial Hydro-static
1	22.18	120.03	Open To Flow (1)
40	20.19	120.87	Shut-In(1)
102	154.72	121.95	End Shut-In(1)
102	21.57	121.92	Open To Flow (2)
145	22.20	122.53	Shut-In(2)
243	146.25	123.76	End Shut-In(2)
244	2240.22	124.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 20o 80m	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66812

DST#: 7

ATTN: Andrew White

Test Start: 2021.01.15 @ 02:30:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:24:28

Time Test Ended: 11:33:58

Test Type: Conventional Straddle (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4590.00 ft (KB) To 4618.00 ft (KB) (TVD)

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4720.00 ft (KB) (TVD)

3111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8845 Below (Straddle)

Press@RunDepth: psig @ 4619.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.01.15 End Date: 2021.01.15

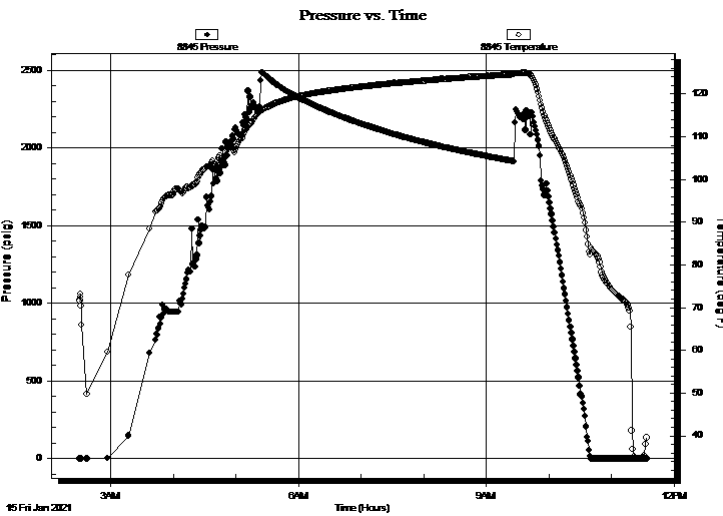
Last Calib.: 2021.01.15

Start Time: 02:30:05 End Time: 11:34:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 40- IF: 3/4" blow.
60- IS: No return.
45- FF; Surface blow.
90- FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 20o 80m	0.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66812

DST#: 7

ATTN: Andrew White

Test Start: 2021.01.15 @ 02:30:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:24:28

Time Test Ended: 11:33:58

Test Type: Conventional Straddle (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4590.00 ft (KB) To 4618.00 ft (KB) (TVD)**

Total Depth: 4720.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3116.00 ft (KB)

3111.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8522** Inside

Press@RunDepth: psig @ 4591.00 ft (KB)

Start Date: 2021.01.15 End Date: 2021.01.15

Start Time: 02:30:05 End Time: 11:34:15

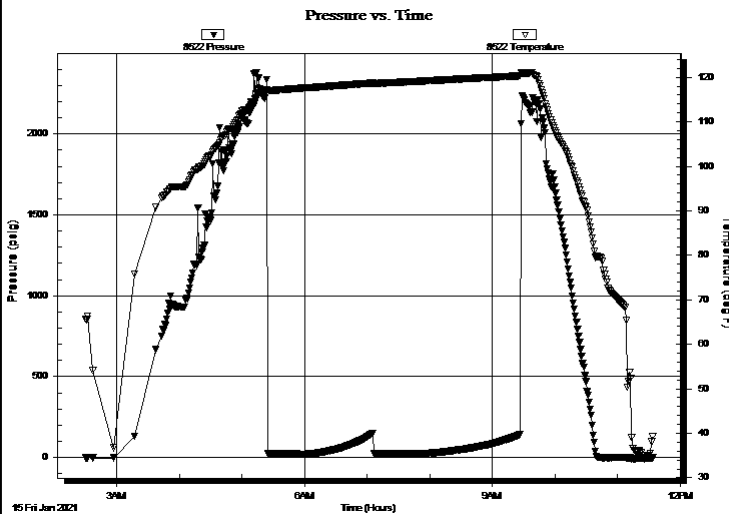
Capacity: 8000.00 psig

Last Calib.: 2021.01.15

Time On Btm:

Time Off Btm:

TEST COMMENT: 40- IF: 3/4" blow .
60- IS: No return.
45- FF; Surface blow .
90- FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 20o 80m	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66812

DST#: 7

ATTN: Andrew White

Test Start: 2021.01.15 @ 02:30:00

Tool Information

Drill Pipe:	Length: 4405.00 ft	Diameter: 3.80 inches	Volume: 61.79 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4590.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	4615.00 ft			
Interval between Packers:	25.00 ft			
Tool Length:	157.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4564.00	
Shut In Tool	5.00		Fluid	4569.00	
Hydraulic tool	5.00			4574.00	
Jars	5.00			4579.00	
Safety Joint	2.00			4581.00	
Packer	5.00		Inside	4586.00	27.00 Bottom Of Top Packer
Packer	4.00			4590.00	
Stubb	1.00			4591.00	
Recorder	0.00	8319	Outside	4591.00	
Recorder	0.00	8522	Inside	4591.00	
Perforations	23.00			4614.00	
Blank Off Sub	1.00			4615.00	25.00 Tool Interval
Packer	3.00			4618.00	
Stubb	1.00			4619.00	
Recorder	0.00	8845	Below	4619.00	
Perforations	1.00			4620.00	
Change Over Sub	1.00			4621.00	
Drill Pipe	95.00			4716.00	
Change Over Sub	1.00			4717.00	
Bullnose	3.00			4720.00	105.00 Bottom Packers & Anchor

Total Tool Length: 157.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

White Exploration, Inc

24-10s-33w Thomas,KS

PO Box 780425
Wichita, KS 67278

Close #1

Job Ticket: 66812

DST#: 7

ATTN: Andrew White

Test Start: 2021.01.15 @ 02:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	ocm 20o 80m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

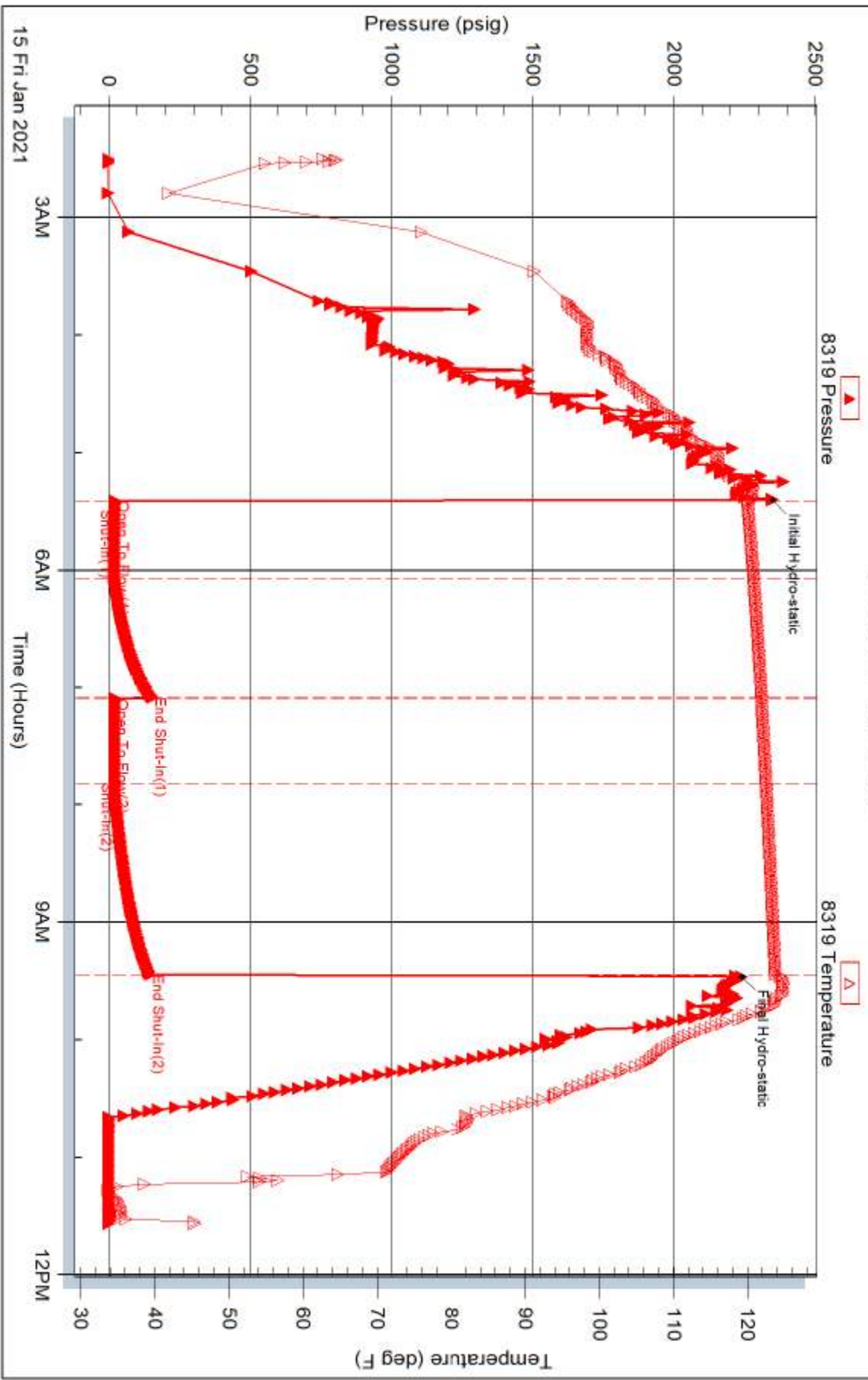
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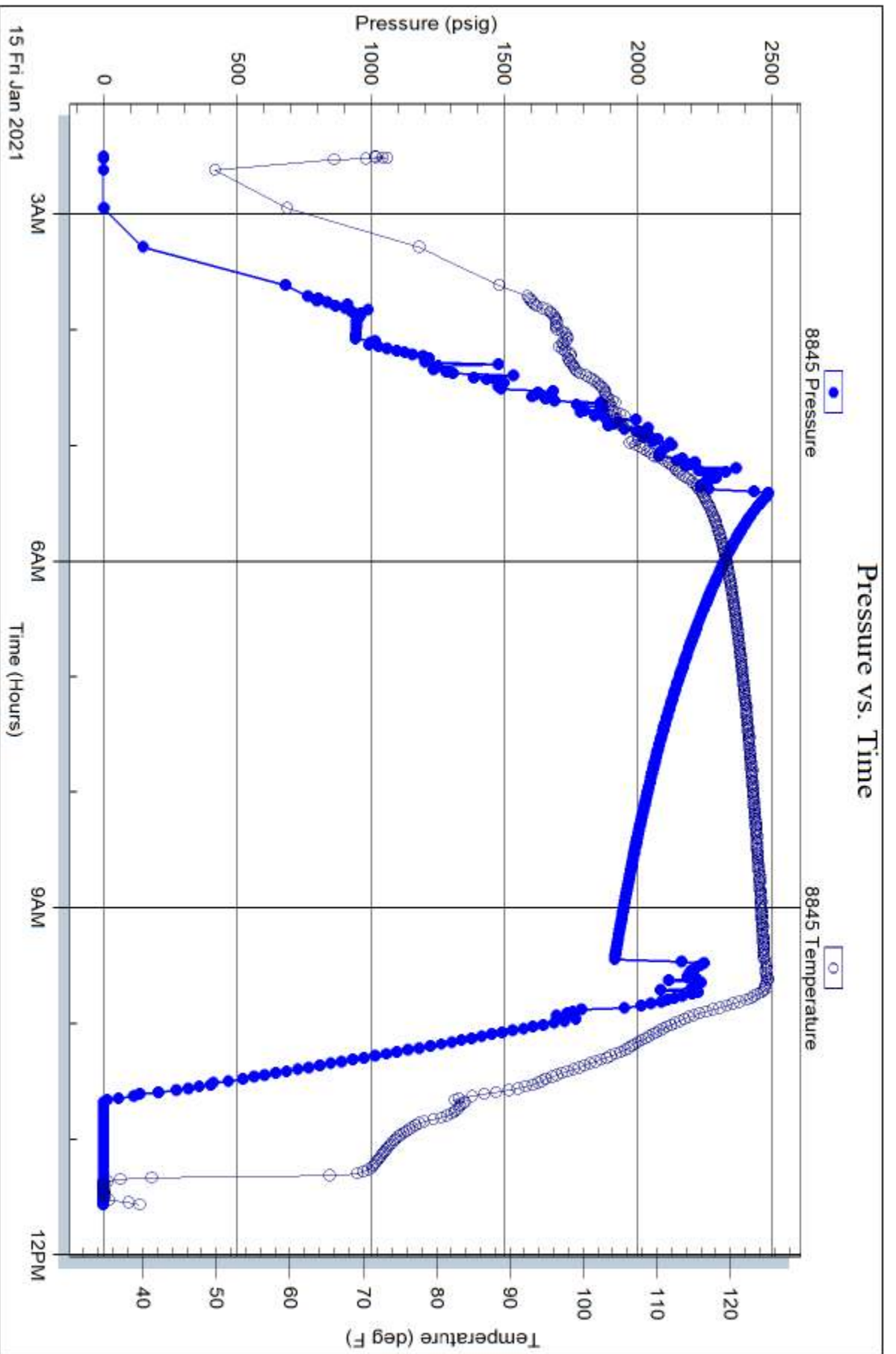
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





Serial #: 8522

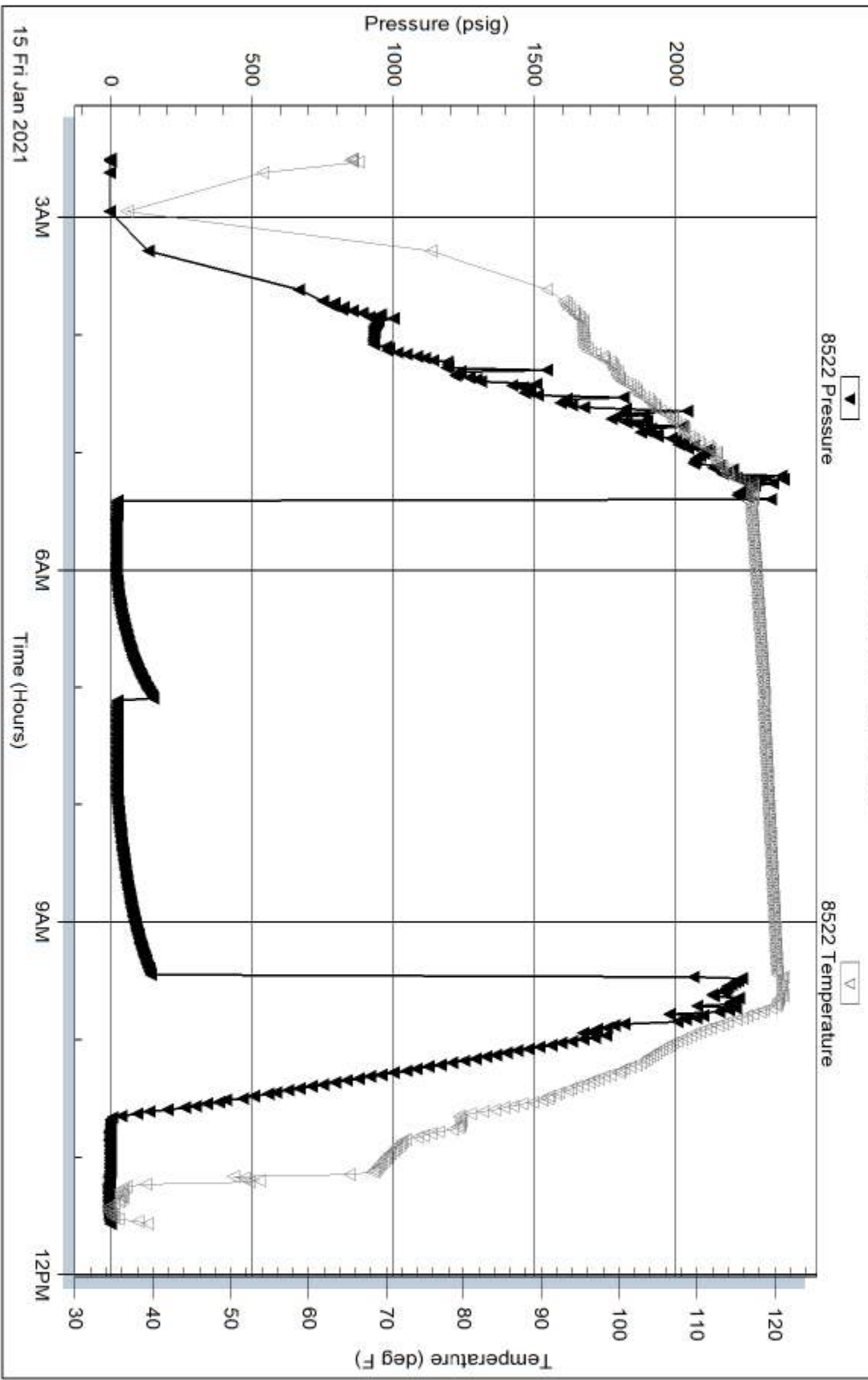
Inside

White Exploration, Inc

Close #1

DST Test Number: 7

Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66806

Well Name & No. Close #1 Test No. 1 Date 1/09/2021
 Company White Exploration, Inc Elevation 3116 KB 341 GL
 Address PO Box 780425 Wichita, KS 67278
 Co. Rep / Geo. Andrew White Rig Martin 110
 Location: Sec. 24 Twp 10S Rge. 33W Co. Thomas State Ks

Interval Tested 4026 - 4051 Zone Tested Toronto - LKC - A
 Anchor Length 25' Drill Pipe Run 3840 Mud Wt. 9.1
 Top Packer Depth 4021 Drill Collars Run 179 Vls 54
 Bottom Packer Depth 4025 Wt. Pipe Run - WL 72
 Total Depth 4051 Chlorides 2000 ppm System LCM 2#

Blow Description IF 19" blow
ISI No return
FF 15" blow
FSI No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>730</u>	<u>5mew</u>			<u>97</u>	<u>3</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 730 BHT 122 Gravity - API RW .382 @ 40° F Chlorides 31000 ppm
 (A) Initial Hydrostatic 1975 Test 1300 T-On Location 1000
 (B) First Initial Flow 51 Jars 250 T-Started 1145
 (C) First Final Flow 206 Safety Joint 75 T-Open 1336
 (D) Initial Shut-In 1097 Circ Sub N/C T-Pulled 1636
 (E) Second Initial Flow 246 Hourly Standby _____ T-Out 1856
 (F) Second Final Flow 358 Mileage 114 RT 114 Comments _____
 (G) Final Shut-In 1082 Sampler _____
 (H) Final Hydrostatic 1956 Straddle _____ EM Tool 350 NS

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 60 Ruined Packer _____
 Final Flow 30 Extra Packer _____
 Final Shut-In 60 Extra Recorder _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1989
 Sub Total 1989 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66807

Well Name & No. Close #1 Test No. 2 Date 1/10/2020
 Company White Exploration, Inc Elevation 3116 KB 3111 GL
 Address PO Box 780425 Wichita, KS 67278
 Co. Rep / Geo. Andrew White Rig Murphy 110
 Location: Sec. 24 Twp 10S Rge. 33W Co. Thomas State Ks

Interval Tested 4065-4090 Zone Tested LKC B
 Anchor Length 25 Drill Pipe Run 3875 Mud Wt. 9.1
 Top Packer Depth 4060 Drill Collars Run 179 Vis 50
 Bottom Packer Depth 4065 Wt. Pipe Run - WL 7.2
 Total Depth 4090 Chlorides 2000 ppm System LCM 2#
 Blow Description IF 1" blow
ISI No return.
FF 4" blow
FSI No return.

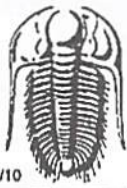
Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>oil</u>	<u>100</u>			
<u>150</u>	<u>somew</u>	<u>1</u>	<u>95</u>	<u>4</u>	

Rec Total 153 BHT 116 Gravity - API RW .361 @ 36 °F Chlorides 39000 ppm

(A) Initial Hydrostatic <u>2014</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>0010</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0045</u>
(C) First Final Flow <u>53</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0337</u>
(D) Initial Shut-In <u>1003</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0645</u>
(E) Second Initial Flow <u>59</u>	<input type="checkbox"/> Hourly Standby	T-Out
(F) Second Final Flow <u>94</u>	<input checked="" type="checkbox"/> Mileage <u>114RT</u> <u>114</u>	Comments
(G) Final Shut-In <u>949</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1949</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input checked="" type="checkbox"/> EM Tool <u>350 NS</u>
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
	Sub Total <u>1989</u>	Total <u>1989</u>
		MP/DST Disc't

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66808

Well Name & No. Close #1 Test No. 3 Date 11/11/2021
 Company White Exploration, Inc Elevation 346 KB 311 GL
 Address PO Box 280425 Wichita, KS 67278
 Co. Rep / Geo. Andrew White Rig Murfin 110
 Location: Sec. 24 Twp 10S Rge. 33W Co. Thomas State Ks

Interval Tested 4175-4210 Zone Tested Llc H
 Anchor Length 35' Drill Pipe Run 3999 Mud Wt. 9.2
 Top Packer Depth 4170 Drill Collars Run 179 Vis 52
 Bottom Packer Depth 4175 Wt. Pipe Run Ø WL 7.2
 Total Depth 4210 Chlorides 3000 ppm System LCM 2#
 Blow Description IF 1 1/2" blow
ISI No return.
FF 1/2" blow
FBI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>new</u>			<u>97</u>	<u>3</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 190 BHT 121 Gravity — API RW 234 @ 44 °F Chlorides 5,000 ppm

(A) Initial Hydrostatic <u>2042</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>2300</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2319</u>
(C) First Final Flow <u>61</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2330-0116</u>
(D) Initial Shut-In <u>1180</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0502</u>
(E) Second Initial Flow <u>65</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0654</u>
(F) Second Final Flow <u>108</u>	<input checked="" type="checkbox"/> Mileage <u>114 LT 114</u>	Comments
(G) Final Shut-In <u>1174</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1995</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input checked="" type="checkbox"/> EM Tool <u>350 NS</u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1989</u>
	Sub Total <u>1989</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66809

Well Name & No. Close #1 Test No. 4 Date 11/11/2021
 Company White Exploration Inc Elevation 3116 KB 311 GL
 Address PO Box 780425 Wichita, Ks 67278
 Co. Rep / Geo. Andrew White Rig Murfin 110
 Location: Sec. 24 Twp 10s Rge. 33w Co. Thomas State Ks

Interval Tested 4210 - 4270 Zone Tested LKC I-J
 Anchor Length 60 Drill Pipe Run 4033 Mud Wt. 9.2
 Top Packer Depth 4205 Drill Collars Run 179 Vis 53
 Bottom Packer Depth 4210 Wt. Pipe Run - WL 8.8
 Total Depth 4270 Chlorides 3300 ppm System LCM 1#

Blow Description IF! 16" blow
ISI! No return.
FF! 8.5" blow
FSI! No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>oil</u>	<u>100</u>			
<u>160</u>	<u>GMWCO</u>	<u>10</u>	<u>45</u>	<u>30</u>	<u>15</u>
<u>300</u>	<u>GMOCW</u>	<u>10</u>	<u>25</u>	<u>40</u>	<u>25</u>
	<u>70' GIP</u>				

Rec Total 480 BHT 119 Gravity 36 API RW 383 @ 39 °F Chlorides 32,000 ppm

(A) Initial Hydrostatic <u>2073</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>1600</u>
(B) First Initial Flow <u>34</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1654</u>
(C) First Final Flow <u>156</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1837</u>
(D) Initial Shut-In <u>1224</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>2137</u>
(E) Second Initial Flow <u>180</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0037</u>
(F) Second Final Flow <u>263</u>	<input checked="" type="checkbox"/> Mileage <u>14 RT</u> <u>114</u>	Comments
(G) Final Shut-In <u>1215</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2029</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350</u>
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1989</u>
	Sub Total <u>1989</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66810

Well Name & No. Close #1 Test No. 5 Date 1/12/2021
 Company White Exploration, Inc Elevation 3116 KB 3111 GL
 Address PO Box 780425 Wichita, Ks 67278
 Co. Rep / Geo. Andrew White Rig Martin 110
 Location: Sec. 24 Twp 10s Rge. 33w Co. Thomas State Ks

Interval Tested 4295-4330 Zone Tested LKC - L
 Anchor Length 35 Drill Pipe Run 4095 Mud Wt. 9.3
 Top Packer Depth 4290 Drill Collars Run 179 Vis 56
 Bottom Packer Depth 4295 Wt. Pipe Run - WL 9.6
 Total Depth 4330 Chlorides 3500 ppm System LCM 1#
 Blow Description IF 1/4" blow
ISI No return.
Pulled Test

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud</u>			<u>100</u>	

Rec Total 2 BHT 109 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2123</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>1008</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1134</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1324</u>
(D) Initial Shut-In <u>133</u>	<input checked="" type="checkbox"/> Circ Sub <u>W/C</u>	T-Pulled <u>1440</u>
(E) Second Initial Flow <u>-</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1624</u>
(F) Second Final Flow <u>-</u>	<input type="checkbox"/> Mileage	Comments
(G) Final Shut-In <u>-</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2026</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350</u>
Initial Open <u>70</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>full</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1989</u>
	Sub Total <u>1989</u>	MP/DST Disc 1

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66811

Well Name & No. Close #1 Test No. 6 Date 1/13/2021
 Company White Exploration, Inc Elevation 346 KB 311 GL
 Address PO Box 780425 Wichita, Ks 67278
 Co. Rep / Geo. Andrew White Rig Mudon 110
 Location: Sec. 24 Twp 10s Rge. 33w Co. Thomas State Ks

Interval Tested 4475-4620 Zone Tested Pawnee-Johnson
 Anchor Length 145 Drill Pipe Run 4285 Mud Wt. 9.4
 Top Packer Depth 4470 Drill Collars Run 179 Vis 52
 Bottom Packer Depth 4475 Wt. Pipe Run Ø WL 9.6
 Total Depth 4620 Chlorides 3000 ppm System LCM 1#

Blow Description IF 1/2" blow
ISI No return.
FF Surface blow
FBI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud w/oil spots</u>			<u>100</u>	

Rec Total 30 BHT 120 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2251</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>1700 1/13/2021</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1829</u>
(C) First Final Flow <u>32</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2034</u>
(D) Initial Shut-In <u>846</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0039-1/14</u>
(E) Second Initial Flow <u>plugging 72</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0324 1/14/2021</u>
(F) Second Final Flow <u>34</u>	<input checked="" type="checkbox"/> Mileage <u>X2</u> <u>114</u>	Comments
(G) Final Shut-In <u>537</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2226</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350</u>
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1989</u>
	Sub Total <u>1989</u>	MP/DST Disc't

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66812

Well Name & No. Close #1 Test No. 7 Date 1/15/2021
 Company White Exploration, Inc Elevation 3116 KB 311 GL
 Address PO Box 780425
 Co. Rep / Geo. Andrew White Rig Murkin 110
 Location: Sec. 24 Twp 10S Rge. 83W Co. Thomas State Ks

Interval Tested 4590 - 4618 Zone Tested Johnson
 Anchor Length 28' Tail -102 Drill Pipe Run 4405 Mud Wt. 9.2
 Top Packer Depth 4585 - 4590 Drill Collars Run 179 Vis 56
Shackle Bottom Packer Depth 4618 Wt. Pipe Run — WL 9.6
 Total Depth 4720 Chlorides 3300 ppm System LCM 1#
 Blow Description IF 3/4" blow
ISI No return.
FF Surface blow
FSI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OCN</u>		<u>20</u>		<u>80</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 124 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2348</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>0145</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0230</u>
(C) First Final Flow <u>20</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0522</u>
(D) Initial Shut-In <u>154</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0922</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1134</u>
(F) Second Final Flow <u>22</u>	<input checked="" type="checkbox"/> Mileage <u>114 RT</u> <u>114</u>	Comments
(G) Final Shut-In <u>146</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2240</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input checked="" type="checkbox"/> EM Tool <u>350 NS</u>
	<input checked="" type="checkbox"/> Shale Packer <u>X2</u> <u>500</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>40</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	Total <u>2839</u>
	Sub Total <u>2839</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]

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