

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
--	---

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
---	--	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	FLATLAND 1-19
Doc ID	1707258

Tops

Name	Top	Datum
Anhydrite	2691	344
Howard	3750	-715
Topeka	3802	-767
Heebner	3982	-947
Toronto	4013	-978
Lansing	4027	-992
B KC	4268	-1233
Marmaton	4284	-1249
Pawnee	4352	-1317
Fort Scott	4420	-1385
Cherokee Sh	4450	-1415
Mississippi	4587	-1552



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

Well Name: Flatland #1-19 - Carmen Schmitt, Inc.
API: 15-193-21116-00-00
Location: SW-NE-NE-NW, Section 19-06S-31W
License Number: KCC #6569
Spud Date: March 17, 2023
Surface Coordinates: 450' FNL & 2150' FWL,
of Section
Bottom Hole Vertical Wellbore
Coordinates:
Ground Elevation (ft): 3024 Ft. K.B. Elevation (ft): 3035 Ft.
Logged Interval (ft): 3500 Ft. To: 4651 Ft. Total Depth (ft): RTD 4651 Ft. LTD 4652 Ft.
Formation: Mississippian at Total Depth
Type of Drilling Fluid: Chemical

Region: Thomas County, Ks
Drilling Completed: March 27, 2023
Results: D&A
Field: Wildcat

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

Operator

Company: Carmen Schmitt, Inc.
Address: PO Box 47
Great Bend, Kansas 67530+0047

Geologist

Name: M. Bradford Rine
Company: Consulting Geologist, Kansas Lic. #204, Wyo #189, AAPG Cert. #2647
Address: 100 South Main, Suite #320A
Wichita, Kansas 67202

Remarks

Based on sample observations, drill stem test results, and electric log evaluation, it was the decision of the Operator, to plug and abandon the "Flatland #1-19", on March 26, 2023.

Respectfully,
M. Bradford Rine, geologist

Drilling Information

Rig: Duke Drlg #5
Pump: National K500 6x15
Drawworks: National
Collars: 520' 2-1/4 x 6-1/4
Drillpipe: 4-1/2" 16.6# XH
Toolpusher: Emigdio Rojas

Mud: Mudco (Reid Atkins)
Gas Detector: None
Drill Stem Tests: Trilobite (James Winder)
Logs: ELI (Jeff Luebbers)
Water: Water Well in NW/4 (Midwest Waterline)
Company Representatives:
Office: Carmen Schmitt
Field: None

Daily Drilling Status

Date:	Operations/Depth/Comments
03-17-23	MIRT, RU, Spud @ 0'
03-18-23	WOC @ 271'
03-19-23	Drilling @ 1568'
03-20-23	Drilling @ 2863'
03-21-23	Drilling @ 3650'
03-22-23	Trip Out of Hole with Bit for DST #1 @ 4048'
03-23-23	Circulate to Condition Hole after DST #2 @ 4063'
03-24-23	Drilling @ 4200'
03-25-23	Drilling @ 4340'
03-26-23	Drilling @ 4612'
03-27-23	Waiting on Cementers, finish plugging at 2:30 PM.

	Results: D&A			(Well A) D&A		(Well B) D&A			
	Carmen Schmitt, Inc.			Carmen Schmitt, Inc.		Haliburton Oil Prod.			
	Flatland #1-19			Higerd #1-17		Dechert #1			
	450'FNL & 2150'FWL			1800'FSL & 600'FWL		330'FSL & 330' FWL			
	Sec. 19-06S-31W			Sec. 17-06S-31W		Sec. 17-06S-31W			
	KB 3035			KB 2998		KB 3009		Well A	Well B
Formations	Sample	E-Log	Datum	E-Log	Datum	E-Log	Datum	Comparison(s)	
Anhydrite	2690	2691	344	2662	336	2668	341	8	3
B/Anhydrite	2724	2726	309	2696	302	2701	308	7	1
Howard	3752	3750	-715	3722	-724	3733	-724	9	9
Topeka	3801	3802	-767	3774	-776	3784	-775	9	8
Oread	3946	3948	-913	3917	-919	3926	-917	6	4
Heebner Sh	3981	3982	-947	3950	-952	3960	-951	5	4
Toronto	4012	4013	-978	3981	-983	3993	-984	5	6
Lansing	4027	4027	-992	3997	-999	4009	-1000	7	8
Muncie Creek Sh	4135	4135	-1100	4105	-1107	4116	-1107	7	7
Stark Sh.	4208	4209	-1174	4176	-1178	4189	-1180	4	6
B/Kansas City	4268	4268	-1233	4237	-1239	4252	-1243	6	10
Marmaton	4285	4284	-1249	4250	-1252	4264	-1255	3	6
Pawnee	4350	4352	-1317	4317	-1319	4332	-1323	2	6
Lower Pawnee	4383	4384	-1349	4348	-1350	4364	-1355	1	6
Ft. Scott	4420	4420	-1385	4385	-1387	4399	-1390	2	5
Cherokee Sh	4444	4450	-1415	4409	-1411	4426	-1417	-4	2
Cherokee Sd/Cgl	NC	NC	NA	NC	NA	NC	NA	NA	NA
Mississippian	4584	4587	-1552	4551	-1553	4563	-1554	1	2
Total Depth	4651	4652	-1617	4610	-1612	4630	-1621	-5	0

Casing Record, Bit Record, Deviation Surveys

CASING:

Conductor: None

Surface: Ran 268' 8-5/8" 24# Csg, set @ 268'. (Copeland) Cement with 200sx of H-325. Plug down at 4:30 AM, March 18, 2023.

Production: P&A as follows: (Copeland) Cement with 255sx Total, 60/40 POZ, 1/4# Floseal. 50sx @ 2750', 100sx @ 1700', 50sx @ 325', 10sx @ 40', 30sx in Rathole, 154sx in Mousehole. Plug down at 2:30 PM, March 27, 2023.

BITS:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12-1/4	JZ	Tooth	0	271	3.25
2	7-7/8	JZ	CS516	271	3500	37.50
3	7-7/8	JZ	HRS517	3500	4651	60.25

DEVIATION SURVEYS:

Deviation:	Depth:	Deviation:	Depth:
0.50*	221'	0.50*	3500'
0.75*	1271'	0.75*	4048'
0.75*	2289'	1.00*	4651'
0.50*	3289'		

PIPE STRAPS:

Difference:	Depth:
0.37' long	3500'

MUD UP:

Displace & Mudup @ 3416'

Misc. Events:

Lost Circulation at 1895', appr. 200 bbls



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

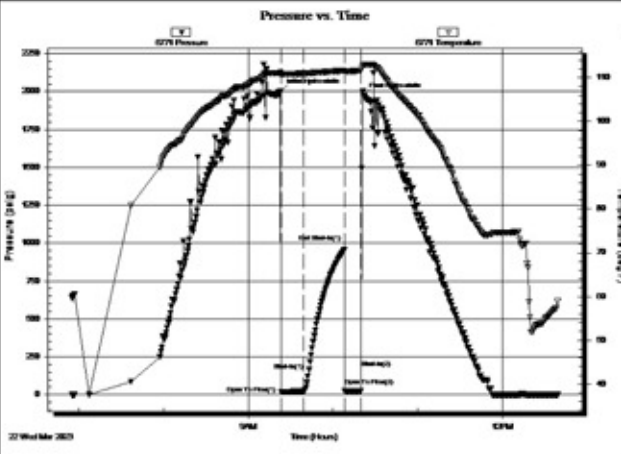
19/6s/31w Thomas KS
Flatland #1-19
 Job Ticket: 69947 **DST#: 1**
 Test Start: 2023.03.22 @ 06:55:00

GENERAL INFORMATION:

Formation: **Toronto - Lans. "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:23:21
 Time Test Ended: 12:39:21
 Interval: **3978.00 ft (KB) To 4048.00 ft (KB) (TVD)**
 Total Depth: 4048.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: James Winder
 Unit No: 73
 Reference Elevations: 3035.00 ft (KB)
 3024.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6771 Inside
 Press@RunDepth: 21.48 psig @ 3979.00 ft (KB)
 Capacity: 8000.00 psig
 Start Date: 2023.03.22 End Date: 2023.03.22
 Last Calib.: 2023.03.22
 Start Time: 06:55:00 End Time: 12:39:21
 Time On Btm: 2023.03.22 @ 09:23:06
 Time Off Btm: 2023.03.22 @ 10:21:36

TEST COMMENT: 15 - IF: Blow built to 1/4"
 30 - IS: No blow
 10 - FF: No blow
 Pulled tools



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2003.25	111.14	Initial Hydro-static
1	18.70	110.54	Open To Flow (1)
17	21.48	110.93	Shut-in(1)
45	955.93	111.62	End Shut-in(1)
46	22.57	111.29	Open To Flow (2)
57	24.29	111.64	Shut-in(2)
59	1972.64	112.87	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

19/6s/31w Thomas KS
Flatland #1-19
Job Ticket: 69948 **DST#: 2**
Test Start: 2023.03.22 @ 20:10:00

GENERAL INFORMATION:

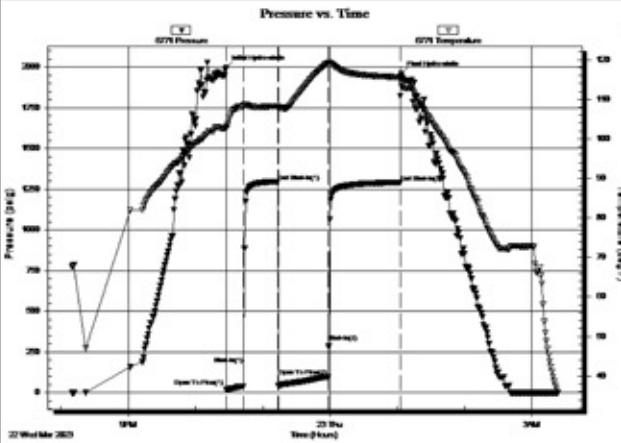
Formation: **Lans. "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:27:51
Time Test Ended: 03:23:06
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 73
Interval: **4040.00 ft (KB) To 4063.00 ft (KB) (TVD)**
Reference Elevations: 3035.00 ft (KB)
Total Depth: 4063.00 ft (KB) (TVD) 3024.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 96.68 psig @ 4041.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2023.03.22 End Date: 2023.03.23 Last Calib.: 2023.03.23
Start Time: 20:10:00 End Time: 03:23:06 Time On Btm: 2023.03.22 @ 22:27:36
Time Off Btm: 2023.03.23 @ 01:03:21

TEST COMMENT: 15 - IF: Blow built to 1 3/4"
30 - IS: No blow
45 - FF: Blow built to 3 1/4"
60 - FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1997.93	103.07	Initial Hydro-static
1	18.56	102.87	Open To Flow (1)
16	39.24	108.37	Shut-in(1)
46	1298.09	108.29	End Shut-in(1)
47	42.95	107.94	Open To Flow (2)
91	96.68	119.21	Shut-in(2)
155	1291.63	115.58	End Shut-in(2)
156	1960.57	114.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
177.00	MCW 61%w, 39%m	0.92

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

19/6s/31w Thomas KS
Flatland #1-19
Job Ticket: 69949 **DST#: 3**
Test Start: 2023.03.23 @ 17:50:00

GENERAL INFORMATION:

Formation: **LKC "H"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 19:47:51 Tester: James Winder
Time Test Ended: 22:59:21 Unit No: 73

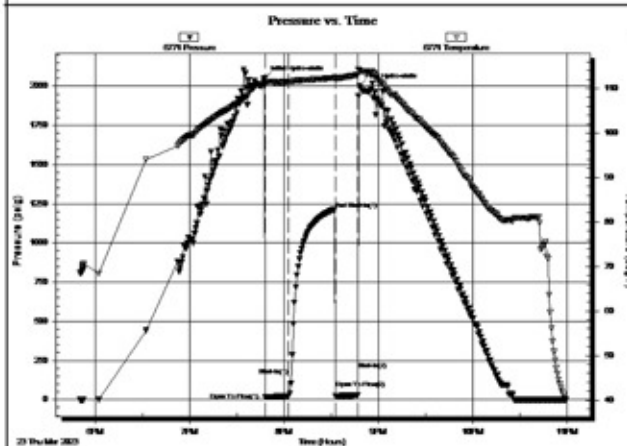
Interval: **4134.00 ft (KB) To 4160.00 ft (KB) (TVD)** Reference Elevations: 3035.00 ft (KB)
Total Depth: 4160.00 ft (KB) (TVD) 3024.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 22.00 psig @ 4135.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2023.03.23 End Date: 2023.03.23 Last Calib.: 2023.03.23
Start Time: 17:50:00 End Time: 22:59:21 Time On Btm: 2023.03.23 @ 19:47:36
Time Off Btm: 2023.03.23 @ 20:47:51

TEST COMMENT: 15 - IF: Blow built to just under 1/2"
30 - IS: No blow
10 - FF: No blow
Pulled tools



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2052.35	111.51	Initial Hydro-static
1	18.15	111.15	Open To Flow (1)
15	22.00	111.51	Shut-in(1)
45	1216.82	112.40	End Shut-in(1)
46	23.55	112.16	Open To Flow (2)
60	27.82	113.07	Shut-in(2)
61	2000.98	113.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.15

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

19/6s/31w Thomas KS
Flatland #1-19
Job Ticket: 69950 **DST#: 4**
Test Start: 2023.03.24 @ 15:45:00

GENERAL INFORMATION:

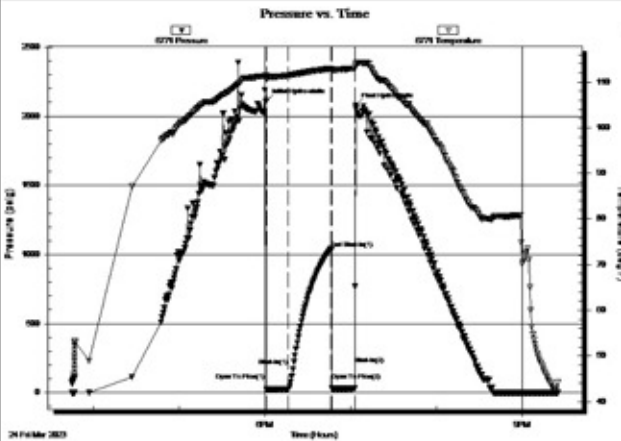
Formation: **LKC "I - L"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:01:06
Time Test Ended: 21:25:21
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 73
Interval: **4159.00 ft (KB) To 4275.00 ft (KB) (TVD)**
Reference Elevations: 3035.00 ft (KB)
Total Depth: 4275.00 ft (KB) (TVD) 3024.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 25.62 psig @ 4160.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2023.03.24 End Date: 2023.03.24 Last Calib.: 2023.03.24
Start Time: 15:45:00 End Time: 21:25:21 Time On Btm: 2023.03.24 @ 18:00:51
Time Off Btm: 2023.03.24 @ 19:03:36

TEST COMMENT: 15 - IF: Blow built to 1/2"
30 - IS: No blow
15 - FF: Very weak surface blow at 7 min., dead at 12 min.
Pulled tools



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.94	111.44	Initial Hydro-static
1	22.43	110.57	Open To Flow (1)
16	25.62	111.43	Shut-in(1)
46	1042.72	112.94	End Shut-in(1)
46	28.96	112.71	Open To Flow (2)
62	31.38	112.97	Shut-in(2)
63	2075.65	113.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%	0.10

* Recovery from multiple tests

Gas Rates

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

Rock Types

	Cgl/gran wash		Bent		Dol		Salt		Till
	Dol ls/lmy dol		Brec		Gyp		Shale		Siltysh
	New symbol		Cht		Igne		Shcol		Shlysiltst
	Dol ls/lmy dol		Clyst		Lmst		Shgy		Siltst
	New symbol		Blk sh/coal		Meta		Ss		Sandyls
	Anhy		Congl		Mrlst				

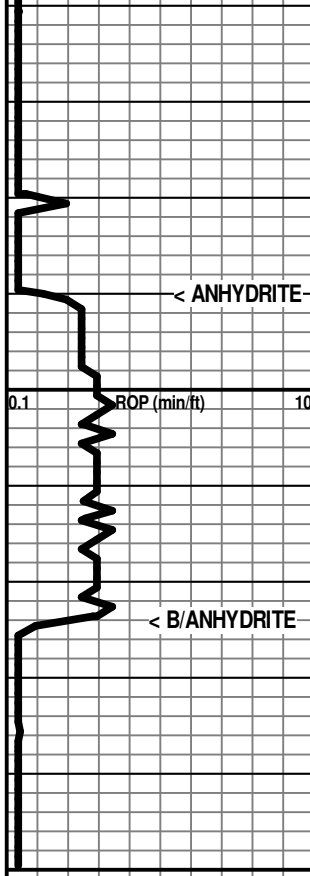
Accessories

MINERAL		Gyp	FOSSIL		Ostra		Siltstrg
	Anhy		Hvymin		Pelec		Ssstrg
	Arggrn		Kaol		Pellet	TEXTURE	
	Arg		Marl		Pisolite		Boundst
	Bent		Minxl		Plant		Chalky
	Bit		Nodule		Strom		Cryxln
	Brecfrag		Phos	STRINGER			Earthy
	Calc		Pyr		Anhy		Finexln
	Carb		Salt		Shale		Grainst
	Chtdk		Sandy		Bent		Lithogr
	Chtlt		Silt		Coal		Microxln
	Dol		Sil		Dol		Mudst
	Feldspar		Sulphur		Gyp		Packst
	Ferrpel		Tuff		Ls		Wackest
	Ferr				Mrst		
	Glau						

Other Symbols

OIL SHOW		Even/saturated		Dead	INTERVAL	
	Oil & gas show		Gas		Core	
	Gas show		Trace or questionable		Dst	

ROP (min/ft)	MD	Lithology	Geological Descriptions	Remarks
ROP (min/ft) ——— 0.1 ROP (min/ft) 10				
	. 2600 .			
	. 50 .			



< ANHYDRITE

ROP (min/ft)

< B/ANHYDRITE

2700

50

3500

3550

<<< Depth Change >>>

conn

conn

conn



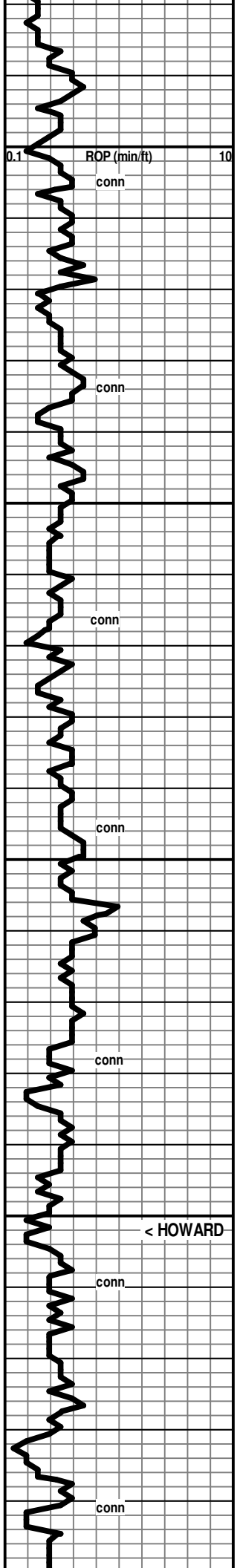
2690 (+345)

2724 (+311)

New bit @ 3500'

Pipe Strap @ 3500':
0.37 ft long!

No shows observed in samples, from 3500'-3600'



3600

3650

3700

3750

3800

No shows observed in samples, from 3600'-3700'

7:00 AM, March 21, 2023

40% Sh red, gy, gm; 60% Ls cr-gy, fn xln, pr vis xln por, silty test in pt, foss in pt

25% Sh red, gm, gy; 75% Ls wh-cr-tan, fn xln, mostly pr-fr xln por, some dns, some chalky, foss in pt

80% Sh mostly red, mushy to soft (washes red); 20% Ls cr, fn xln, pr vis xln por

10% Sh gmish with some reddish; 90% Ls cr-pl tan, fn xln, pr-fr xln por with scatt pp pores, foss

10% Sh red-gy-blk; 90% Ls cr-gy, fn xln, mix of pr-fr xln por and dns in pt, foss in pt

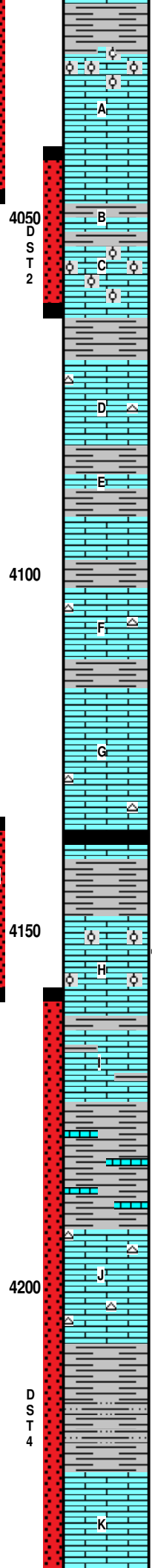
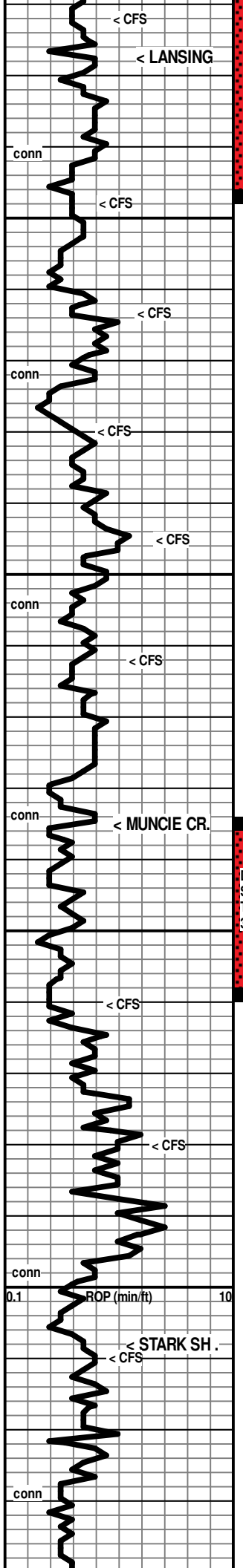
Sh red, mushy to soft (washes red)

Mud Check, Drlg @ 3720':

Vis	Wt	WL	LCM	PV	YP
55	8.8	7.2	2	16	16
Chl	Hd	pH	Solids		
2000	20	11.0	3.5		

< HOWARD

← 3752 (-717)



mix of sli shows of NVL oil, DO, gilson, and Tr shows of dk brn FO on crush]
 Sh pl gy-gy-gmish-red (washes red)
 <----- 4027 (-992)
 Ls wh-cr, fn xln, pr xln por, abund packed ool with scatt interool pores & patches of pores, becomes dns and non-ool with depth

[Fnt Odor, dk brn spotty Stn in all pores, sli shows of dk brn FO, Mod shows of dk brn NVL oil on crush]

Sh red-grn-gy-brn, mushy-soft-firm,silty in pt
 Ls wh-cr-gy, fn xln, chalky in pt, abund patches & pcs ool with scatt interool pores & sm vugs & foss-mold pores]
 [Mild Odor, mod+ am't of pcs with spotty to patchy dk stn; mix of: sli shows dk brn FO, sli-fr shows dk brn hvly NVL oil, some deadish oil, few pcs v sli gassy]

Sh mostly red with gy-grn (some may be slough from trips) washes red

Ls wh fn xln, mostly chalky & soft, mixed with pr xln por, abund chert: fresh, wh-cr-tan, transl (washes white)

Sh gy
 Ls wh-cr, fn xln, chalky in pt, mostly dns to Rr pcs with pr xln por in pt
 [No Odor, a few pcs with trace of micro-drop dk NVL oil & spots of blk, tarry, Dead stn]
 Sh red-gy, (washes pale red)

Sh red-gy-grn (washes red)

Ls cr, fn xln, dns to pr vis xln por, foss to abund foss, tr of fresh chert
 [No Odor, NSFO, a few pcs total with spots of tarry/gilson dead stn]
 Sh red, mushy to soft (washes red)

Ls wh-cr-pl gy, fn xln, chalky in pt, mostly dns, some pr xln por, foss

Ls wh-cr, fnxln, abund chalky in pt, pr xln por to dns in pt, foss, chert: fresh, tan, transl

<----- 4135 (-1100)
 4150' spl: mix of: Sh gy-black, carb in pt, soft-mushy in pt (washes gy), Ls ch-tan-gy, fn xln, dns to pr xln por, foss
 [No odor, a few pcs total with spots of blk tar]

Ls cr, fn xln some pr vis xln por, Rr pcs with fr xln por, abund ool with scatt interool pores, mostly well cem
 [No Odor, Found a few pcs total with spots of brn stn with trace show of micro-drops of brn FO on crush]

Sh red-gy-grn-brn, earthy text to argil

Ls tan-gy-brn, vfn-fn xln, dns, shaley in pt, silty text in pt, foss in pt

Sh mostly red, some gy-grn, earthy text in pt, soft to firm (washes red)

50% Sh mostly red, some gy-grn, earthy to argil text, soft to firm;
 50% Ls gy-cr, vfn xln silty to shaley in pt

Ls cr, vfn-fn xln, dns to pr xln por-with scatt patches of pp pores & sm vugs, foss in pt, chert: fresh, cr-tan, subtransl, spiculitic in pt

[Fnt Odor, low-mod% of pcs with dk brn-black spotty & patchy stn, some dead gils stn, some tarry patches, some with sli shows of dk brn FO & NVL oil on crush, v sli gassy in pt]

<----- 4208 (-1173)
 Sh gy-dk gy (no observed black, carb shale in spl)

Sh gy, soft to subfirm (washes gy)

Sh mostly red, some gy-grn, silty in pt, mushy-soft in pt (washes red)

Ls wh-cr, fn xln, subchalky in pt, pr vis xln por in pt, foss

[No Odor, a few chalky pcs total with spots of blk gilson stn, NSFO]

ISIP: 956 FSIP: NA
 BHT: 112°F

Mud Check, TOOH/DST1 @ 4048':
 Vis Wt WL LCM PV YP
 57 9.2 8.0 2 16 18
 Chl Hd pH Solids
 3100 40 11.0 5.9

7:00 AM, March 22, 2023

7:00 AM, March 23, 2023

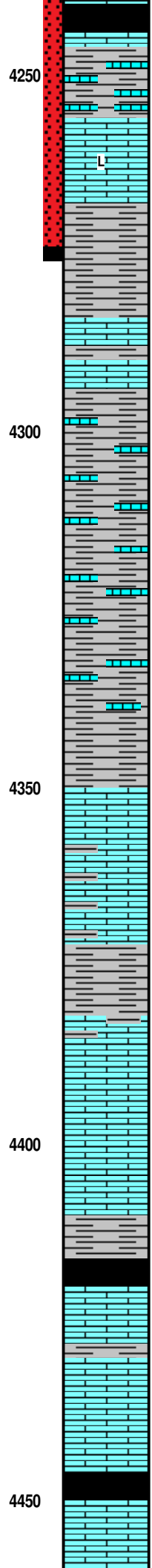
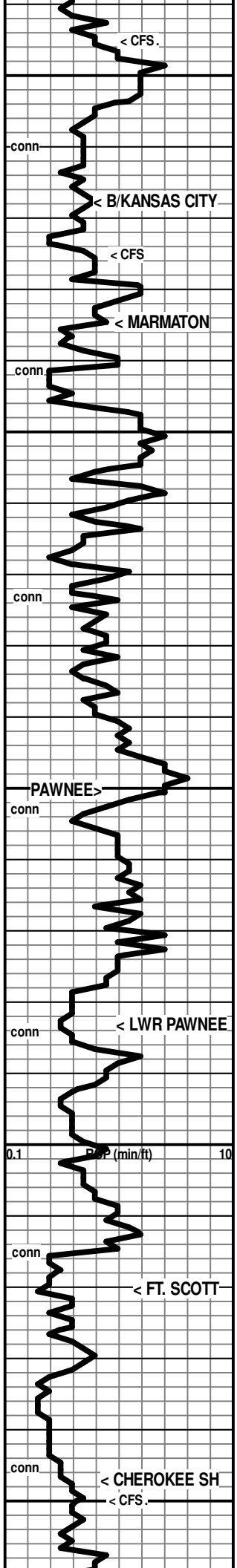
DST #2: 4040-4063 (Lansing C)
 Times: 15-30-45-60
 Initial Open: Wk Blow, built to 1-3/4" i.b.
 Final Open: Wk Blow, built to 3-1/4" i.b.
 Rec: 177' MCW: 61%w 39%om
 (Chl/wtr: 17000 ppm)
 IHP: 1998 FHP: 1961
 IFP: 19-39 FFP: 43-97
 ISIP: 1298 FSIP: 1292
 BHT: 116°F

DST #3: 4134-4160 (LKC H)
 Times: 15-30-10-out
 Initial Open: Wk Blow, built to 1/2" i.b.
 Final Open: No Blow
 Rec: 30' Mud
 IHP: 2052 FHP: 2001
 IFP: 18-22 FFP: 24-28
 ISIP: 1217 FSIP: NA
 BHT: 113°F

Mud Check, Drlg @ 4159':
 Vis Wt WL LCM PV YP
 61 9.1 6.4 3 17 19
 Chl Hd pH Solids
 2800 80 10.5 5.4

7:00 AM, March 24, 2023

DST #4: 4159-4275 (LKC I,J,K,L)
 Times: 15-30-15-out
 Initial Open: Wk Blow, built to 1/2" i.b.
 Final Open: Began Wk Surface blow after 7 min., dead at 12 min.
 Rec: 20' mud
 IHP: 2111 FHP: 2076
 IFP: 22-26 FFP: 29-31
 ISIP: 1043 FSIP: NA
 BHT: 113°F



Sh dk gy-black, mushy-soft, carb in pt (washes dk gy)

50% Ls cr, fn xln, dns, foss in pt; 50% Sh mostly gy, some dk red

Sh gy-red-grm; Ls wh marbled and laced with red shale, fn xln, dns

Ls cr-pl gy, fn xln, dns, with some subchalky, foss in pt, Rr scatt embedded pyr specks

← 4268 (-1233)

Sh mostly gy-grnsh, some dk red, subfirm to firm, few pcs of loose pyrite

90% Sh red-gy-grm, soft to subfirm, earthy to silty text (washes red); 10% Ls wh, vfn xln, dns

← 4285 (-1250)

95% Sh red-gy-grm-brn, soft to subfirm, earthy to silty text (washes red); 05% Ls wh, vfn xln, dns

50% Sh red-gy-grm-brn as above; 50% Ls wh-cr-gy, vfn-fn xln, subchalky in pt, dns in pt

75% Sh red-gy-grm-brn as above; 25% Ls wh-cr-gy, vfn-fn xln, subchalky in pt, dns in pt, foss to abund foss in pt

75% Sh red-gy-grm-brn as above; 25% Ls wh-cr-gy, vfn-fn xln, subchalky in pt, dns in pt, foss to abund foss in pt, ool in pt, tr of banded fresh chert

60% Sh mostly gy, some red-grm; 40% Ls wh-cr,fn xln, dns to pr xln por, foss, some red shale marbling & lacing

80% Sh, mostly gy, mushy to soft (washes gy); 20% Ls wh-cr, fn xln, dns, foss, some grainy, some shaley

← 4350 (-1319)

50% Shale as above; 50% Ls wh-cr-gy, vfn-fn xln, subchalky-chalky in pt, dns in pt, foss

75% Shale pinkish-red, gy-tan, silty in pt, mushy; 25% Ls wh-cr-gy, vfn-fn xln, subchalky-chalky in pt, dns in pt, foss

30% Shales as above; 70% Ls wh-gy, fn xln, chalky & soft in pt, dns & silty in pt, softer to firm, shaley in pt

30% Shales as above; 70% Ls wh-gy, fn xln, chalky & soft in pt, dns & silty in pt, a few wh ool pcs, softer to firm, shaley in pt

← 4383 (-1348)

Ls wh, vnf-fn xln, chalky in pt, dns & firm in pt, some marbled with red shale

95% Ls wh-cr-tan, vfn-fn xln, some chalky, mostly dns, Rr pr xln por, foss

Sh dk gy-black, mostly carb (abund and first arrival in 4430' spl)

← 4420 (-1385)

Ls cr, fn xln, subchalky in pt, dns in pt, foss

Ls cr-tan-brn-gy, vfn-fn xln, mostly dns, some softer and subchalky, foss-abund foss

Ls cr-tan,fn xln, pr-fr xln por in pt, some subchalky, foss to abund foss

← 4447 (-1412)

Sh black, carb

25% Sh gy-dk gy-blk; 75% Ls cr-tan, fn xln, mostly dns, some pr xln por, foss to abund foss

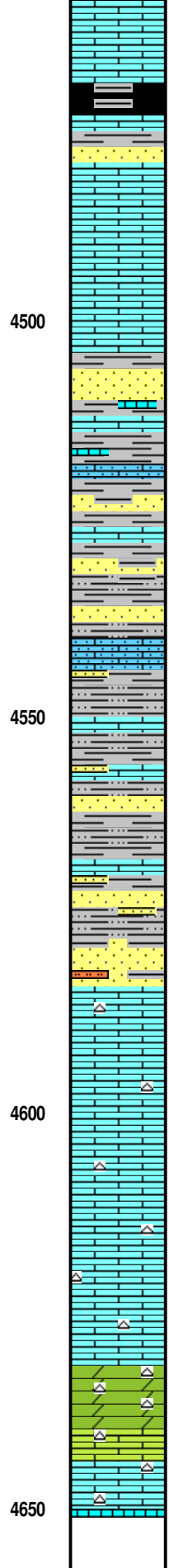
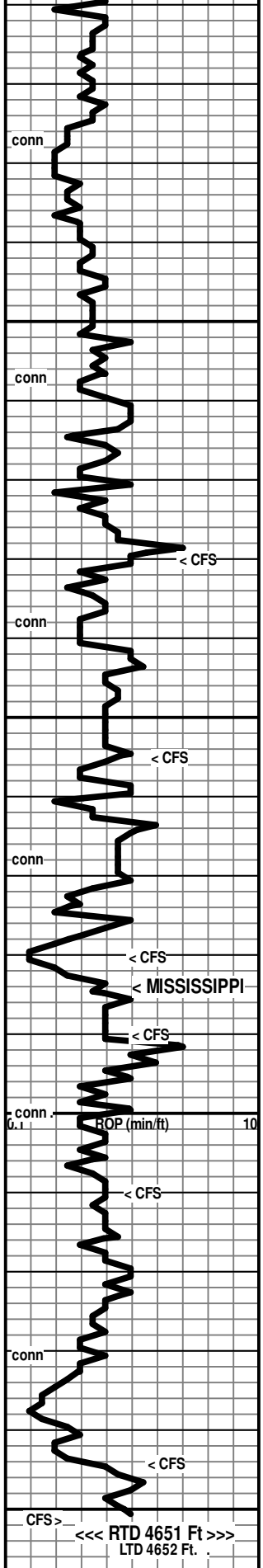
Mud Check, CFS @ 4275':

Vis	Wt	WL	LCM	PV	YP
60	9.3	7.2	3	18	20
Chl	Hd	pH	Solids		
3200	100	10.5	6.5		

Mud Check, Drlg @ 4333':

Vis	Wt	WL	LCM	PV	YP
61	9.3	7.2	3	17	22
Chl	Hd	pH	Solids		
3500	80	11.0	6.5		

7:00 AM, March 25, 2023



Ls cr-tan, fn xln, mostly dns, some pr xln por, foss to abund foss

4590' spl: Ls cr-tan, fn xln, mostly dns, some pr xln por, foss to abund foss; Shales gy-blk, gm-red; Sd gy-glassy, fn-md gm, angular,(calcite?) cem in pt, fr grmlr por in pt, gd fri

[No Odor, dead gilson in pores, with some dead asphaltic, NSFO]

4500' spl: 90% Ls wh-cr chalky in pt, dns in pt, foss; 10% Sh gy-grn

4510' spl: Ls and shale as above; a few clusters per tray of SD, glassy-sh, fn gm, gd sort, subrd-subanglr, ed'ed clusters, gd fri, some cement togd intergranular por [NS]

4520' spl: Incr in Sd cluster %, much like above with some finer gm clusters, some md gm clusters, some clusters not as rd'd, scatt glauc specks and cem

Show Desc. ----->

4530' spl: abund Sd clusters, much like above with some finer gm clusters, some md gm clusters, some clusters not as rd'd, a few clusters sharp & dns, scatt glauc specks and cement, pr-fr intergrnlr por in pt; Sh red-gy-grm, earthy-argil text (washes red)

Ls wh-cr, fnxln, chalky in pt, sdy in pt, dns

Mlx of: Sh red-gy-grm, soft-to subfirm, earthy-silty-argil, (washes reddish); Sd gy-wh, fn gm, gd sort, subang-subrd, pr-gd fri, cem in pt, glauc; Ls wh, fn xln, dns, sdy in pt, glauc specks in pt,

Show Descr. ----->

Circ spls @ 4555': Appear much less Sd than above: Ls wh-cr-grmish, sdy in pt, dns; Sh red-gy-grm-yell-maroon, soft to firm, sdy-calc-earthly to argil (washes red)

Sh red-gy-grm-yell, mushy-soft, sdy in pt (washes pl red); Ls wh, fn xln, chalky to dns, sdy in pt

4580' spl: 90% Sh red-gy-grm-yell-maroon, mushy to soft to firm, sdy in pt; some sd appears from above; some Ls wh, fn lxn, chalky to dns, sdy in pt, shaley in pt

Sd glassy, fn gm, subrd-subanglr, well sort, gd-exc fri, v clean with scatt dk shale specks, some silty, some shaley, few pcs fresh, orange, opa q chert [NS]

<----- 4584 (-1549)

Ls wh-cr, vfn-fn xln, dns, silty-sdy in pt, chert: fresh, cr-gy, subtransl

Ls wh-cr, vfn-fn xln, dns, silty-sdy in pt, chert: fresh, cr-gy, subtransl, spiculitic in pt

Ls wh-pl gy, fn xln, dns, silty text in pt, chert: fresh, wh-cr-orange, some transl, white is opa q & foss/spic in pt

Ls wh, fn xln, chalky in pt, dns in pt, chert abundance increasing chert: fresh, wh-cr-tan

Dol & Dolom Ls cr, vfn-fn xln, silty to sucr text, fr crush, pr-fr vis xln por, scatt gm glauc specks, abund fresh chert: wh-pl gy, transl-opaq, foss in pt [NS]

Ls wh-cr, vfn-fn xln, dns, abund fresh chert as above

[4510-4525 +/-: No Odor, abund % sd had blk spotty stn in intergrnlr por of gilsonite & asphaltic dead oil, other clusters with cement had no stn, NSFO]

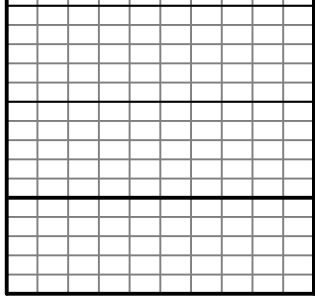
[4525-4540 +/-: No Odor, abund % sd had blk spotty stn in intergrnlr por of gilsonite & asphaltic dead oil, other clusters with cement had no stn, NSFO]

7:00 AM, March 26, 2023

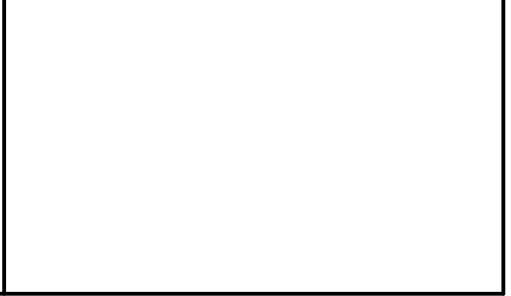
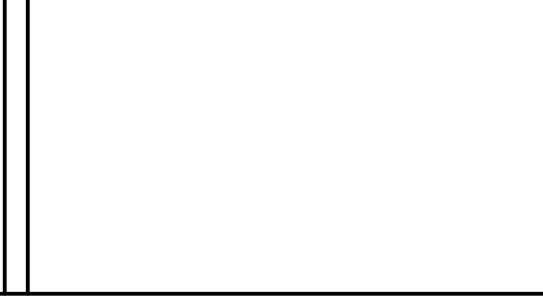
Mud Check, Drlg @ 4612':

Vis	Wt	WL	LCM	PV	YP
57	9.3	8.0	3	17	17
Chl	Hd	pH	Solids		
3500	60	11.0	6.4		

RTD 4651 Ft, Reached at: 9:30 AM, March 26, 2023



4700





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Flatland #1-19

19-6s-31w Thomas KS

Start Date: 2023.03.22 @ 06:55:00

End Date: 2023.03.22 @ 12:39:21

Job Ticket #: 69947 DST #: 1

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

Printed: 2023.03.27 @ 15:55:53



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

19-6s-31w Thomas KS
Flatland #1-19
 Job Ticket: 69947 **DST#: 1**
 Test Start: 2023.03.22 @ 06:55:00

GENERAL INFORMATION:

Formation: **Toronto - Lans. "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:23:21
 Time Test Ended: 12:39:21
 Interval: **3978.00 ft (KB) To 4048.00 ft (KB) (TVD)**
 Total Depth: 4048.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: James Winder
 Unit No: 73
 Reference Elevations: 3035.00 ft (KB)
 3024.00 ft (CF)
 KB to GR/CF: 11.00 ft

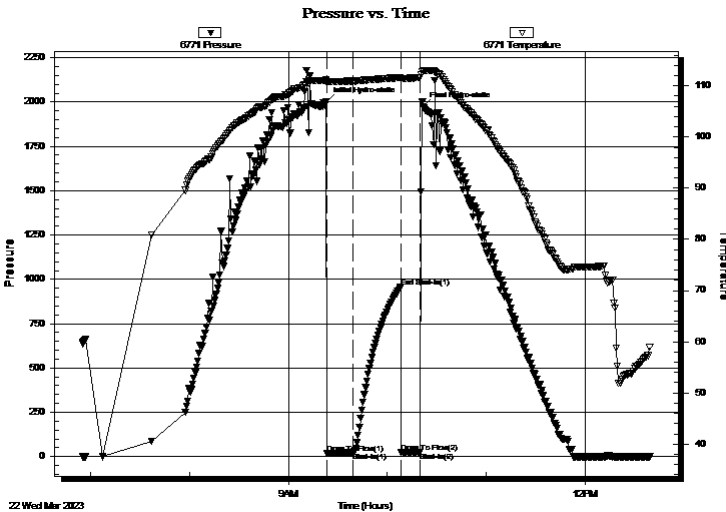
Serial #: 6771

Inside

Press@RunDepth: 21.48 psig @ 3979.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.03.22 End Date: 2023.03.22 Last Calib.: 2023.03.22
 Start Time: 06:55:01 End Time: 12:39:21 Time On Btm: 2023.03.22 @ 09:23:06
 Time Off Btm: 2023.03.22 @ 10:21:36

TEST COMMENT: 15 - IF: Blow built to 1/4"
 30 - ISI: No blow
 10 - FF: No blow
 Pulled tools

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2003.25	111.14	Initial Hydro-static
1	18.70	110.54	Open To Flow (1)
17	21.48	110.93	Shut-In(1)
45	955.93	111.62	End Shut-In(1)
46	22.57	111.29	Open To Flow (2)
57	24.29	111.64	Shut-In(2)
59	1972.64	112.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

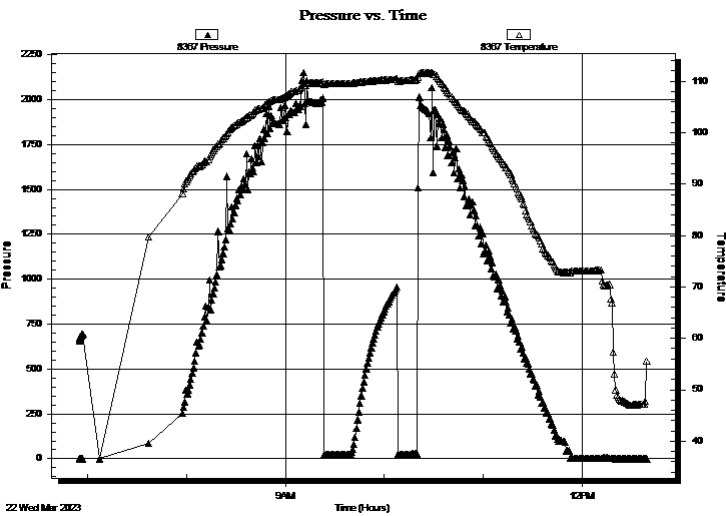
19-6s-31w Thomas KS
Flatland #1-19
Job Ticket: 69947 **DST#: 1**
Test Start: 2023.03.22 @ 06:55:00

GENERAL INFORMATION:

Formation: **Toronto - Lans. "A"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 09:23:21 Tester: James Winder
Time Test Ended: 12:39:21 Unit No: 73
Interval: 3978.00 ft (KB) To 4048.00 ft (KB) (TVD) Reference Elevations: 3035.00 ft (KB)
Total Depth: 4048.00 ft (KB) (TVD) 3024.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8367 Outside
Press@RunDepth: psig @ 3979.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2023.03.22 End Date: 2023.03.22 Last Calib.: 2023.03.22
Start Time: 06:55:01 End Time: 12:39:21 Time On Btm:
Time Off Btm:

TEST COMMENT: 15 - IF: Blow built to 1/4"
30 - ISI: No blow
10 - FF: No blow
Pulled tools



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

19-6s-31w Thomas KS

PO Box 47
Great Bend, KS 67530

Flatland #1-19

Job Ticket: 69947

DST#: 1

ATTN: Brad Rine

Test Start: 2023.03.22 @ 06:55:00

Tool Information

Drill Pipe:	Length: 3791.00 ft	Diameter: 3.80 inches	Volume: 53.18 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: 172.00 ft	Diameter: 2.25 inches	Volume: 0.85 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 54.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3978.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	103.00 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			3946.00	
Shut In Tool	5.00			3951.00	
Hydraulic tool	5.00			3956.00	
Jars	5.00			3961.00	
EM Tool	4.00			3965.00	
Safety Joint	3.00			3968.00	
Packer	5.00			3973.00	33.00 Bottom Of Top Packer
Packer	5.00			3978.00	
Stubb	1.00			3979.00	
Recorder	0.00	6771	Inside	3979.00	
Recorder	0.00	8367	Outside	3979.00	
Perforations	30.00			4009.00	
Blank Spacing	33.00			4042.00	
Perforations	3.00			4045.00	
Bullnose	3.00			4048.00	70.00 Bottom Packers & Anchor

Total Tool Length: 103.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

19-6s-31w Thomas KS

PO Box 47
Great Bend, KS 67530

Flatland #1-19

Job Ticket: 69947

DST#: 1

ATTN: Brad Rine

Test Start: 2023.03.22 @ 06:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 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
5.00	Mud 100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

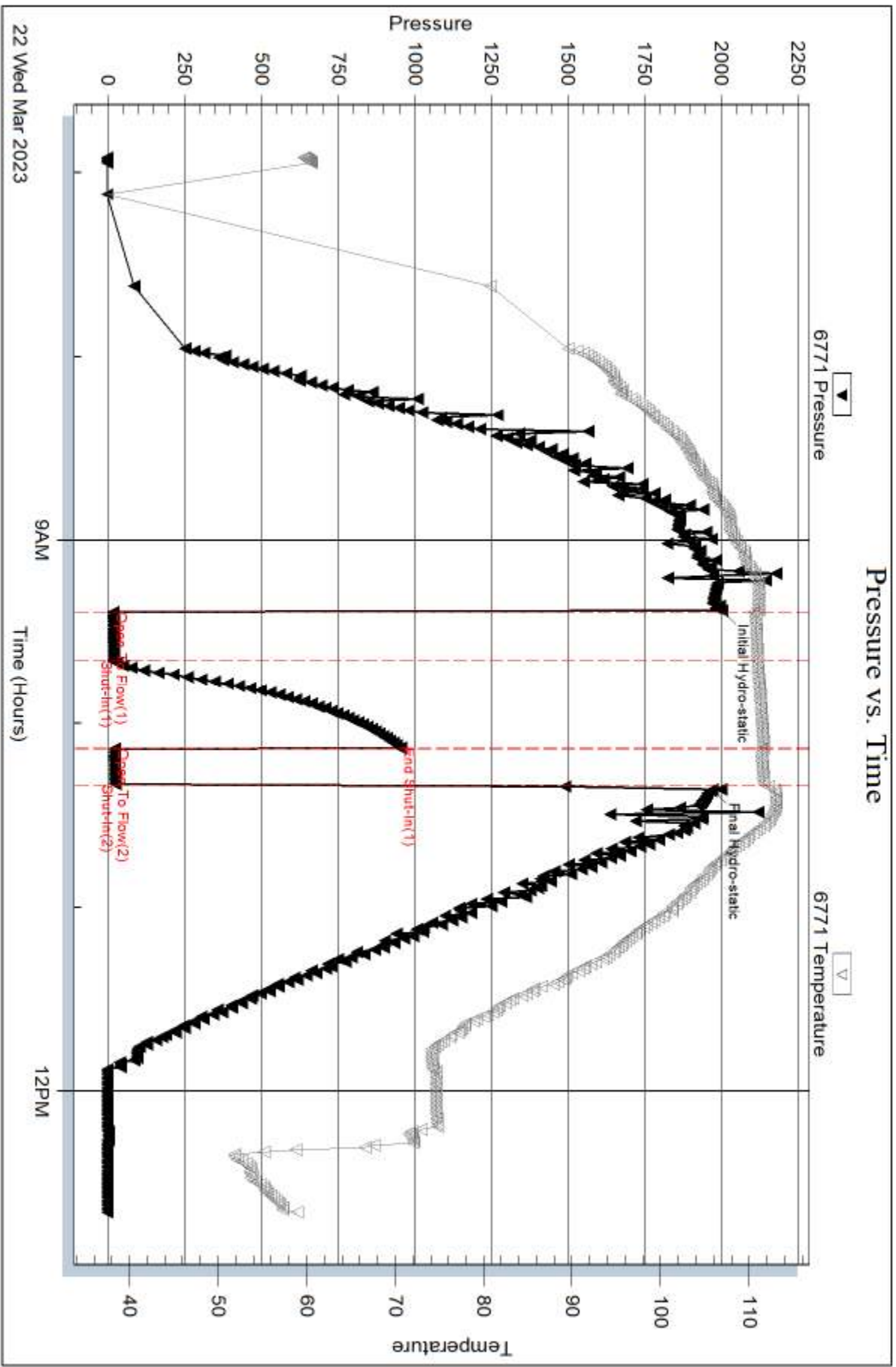
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

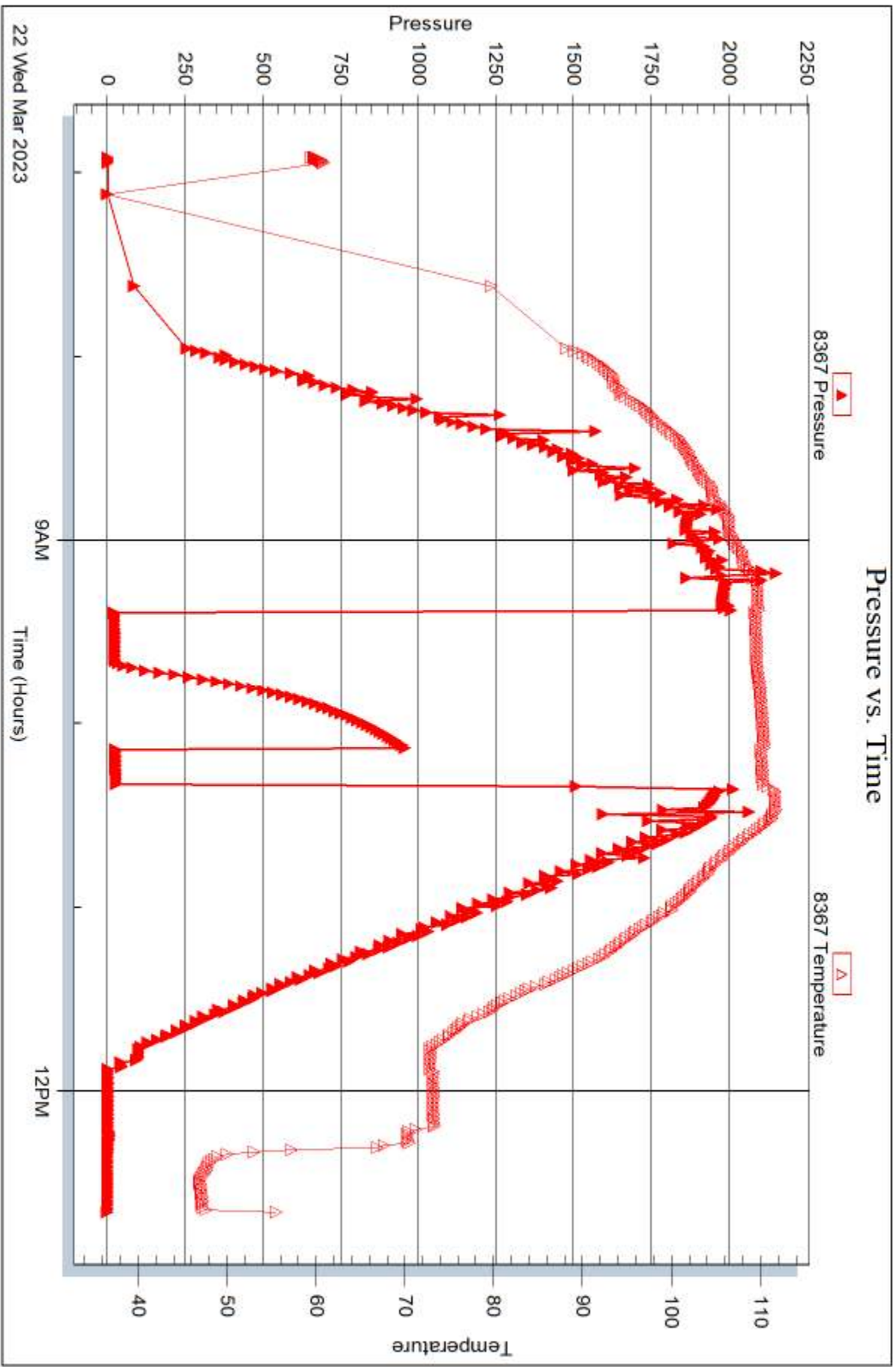


Serial #: 8367

Outside Carmen Schmitt, Inc.

Flatland #1-19

DST Test Number: 1



22 Wed Mar 2023

Triobite Testing, Inc

Ref. No: 69947

Printed: 2023.03.27 @ 15:55:54



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Flatland #1-19

19-6s-31w Thomas KS

Start Date: 2023.03.22 @ 20:10:00

End Date: 2023.03.23 @ 03:23:06

Job Ticket #: 69948 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.03.27 @ 15:55:11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

19-6s-31w Thomas KS
Flatland #1-19
 Job Ticket: 69948 **DST#: 2**
 Test Start: 2023.03.22 @ 20:10:00

GENERAL INFORMATION:

Formation: **Lans. "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:27:51
 Time Test Ended: 03:23:06
 Interval: **4040.00 ft (KB) To 4063.00 ft (KB) (TVD)**
 Total Depth: 4063.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 73
 Reference Elevations: 3035.00 ft (KB)
 3024.00 ft (CF)
 KB to GR/CF: 11.00 ft

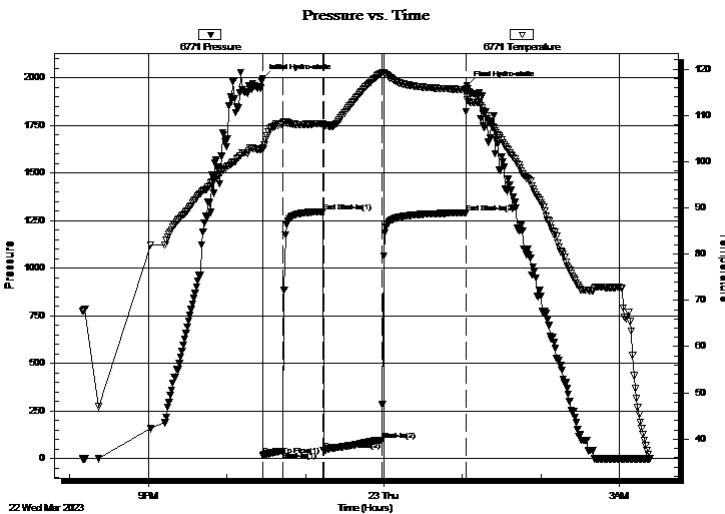
Serial #: 6771

Inside

Press@RunDepth: 96.68 psig @ 4041.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.03.22 End Date: 2023.03.23 Last Calib.: 2023.03.23
 Start Time: 20:10:01 End Time: 03:23:06 Time On Btm: 2023.03.22 @ 22:27:36
 Time Off Btm: 2023.03.23 @ 01:03:21

TEST COMMENT: 15 - IF: Blow built to 1 3/4"
 30 - IS: No blow
 45 - FF: Blow built to 3 1/4"
 60 - FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1997.93	103.07	Initial Hydro-static
1	18.56	102.87	Open To Flow (1)
16	39.24	108.37	Shut-In(1)
46	1298.09	108.29	End Shut-In(1)
47	42.95	107.94	Open To Flow (2)
91	96.68	119.21	Shut-In(2)
155	1291.63	115.58	End Shut-In(2)
156	1960.57	114.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
177.00	MCW 61%w, 39%m	0.92

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

19-6s-31w Thomas KS

Flatland #1-19

Job Ticket: 69948 **DST#: 2**

Test Start: 2023.03.22 @ 20:10:00

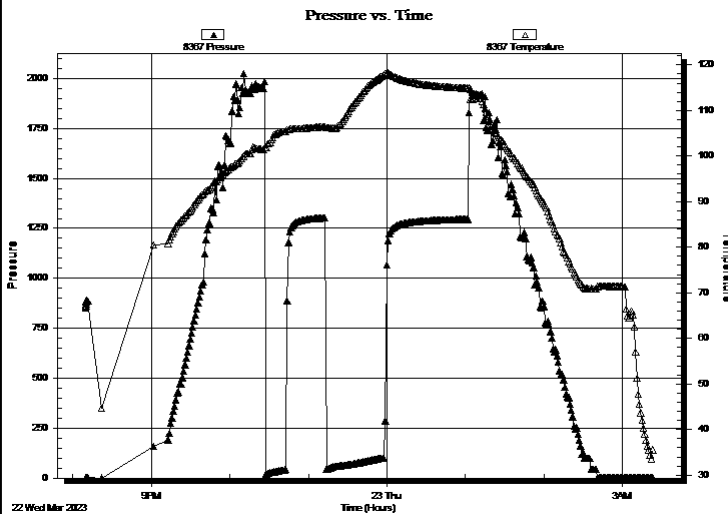
GENERAL INFORMATION:

Formation: **Lans. "C"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 22:27:51 Tester: James Winder
 Time Test Ended: 03:23:06 Unit No: 73
 Interval: **4040.00 ft (KB) To 4063.00 ft (KB) (TVD)** Reference Elevations: 3035.00 ft (KB)
 Total Depth: 4063.00 ft (KB) (TVD) 3024.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8367 Outside

Press@RunDepth: psig @ 4041.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.03.22 End Date: 2023.03.23 Last Calib.: 2023.03.23
 Start Time: 20:10:01 End Time: 03:23:06 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15 - IF: Blow built to 1 3/4"
 30 - ISI: No blow
 45 - FF: Blow built to 3 1/4"
 60 - FSI: No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
177.00	MCW 61%w, 39%m	0.92

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

19-6s-31w Thomas KS

PO Box 47
Great Bend, KS 67530

Flatland #1-19

Job Ticket: 69948

DST#: 2

ATTN: Brad Rine

Test Start: 2023.03.22 @ 20:10:00

Tool Information

Drill Pipe:	Length: 3853.00 ft	Diameter: 3.80 inches	Volume: 54.05 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: 20000.00 lb
Drill Collar:	Length: 172.00 ft	Diameter: 2.25 inches	Volume: 0.85 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 54.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4040.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	56.00 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			4008.00	
Shut In Tool	5.00			4013.00	
Hydraulic tool	5.00			4018.00	
Jars	5.00			4023.00	
EM Tool	4.00			4027.00	
Safety Joint	3.00			4030.00	
Packer	5.00			4035.00	33.00 Bottom Of Top Packer
Packer	5.00			4040.00	
Packer - Shale	0.00			4040.00	
Stubb	1.00			4041.00	
Recorder	0.00	6771	Inside	4041.00	
Recorder	0.00	8367	Outside	4041.00	
Perforations	19.00			4060.00	
Bullnose	3.00			4063.00	23.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

19-6s-31w Thomas KS

PO Box 47
Great Bend, KS 67530

Flatland #1-19

Job Ticket: 69948

DST#: 2

ATTN: Brad Rine

Test Start: 2023.03.22 @ 20:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

17000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
177.00	MCW 61%w, 39%m	0.916

Total Length: 177.00 ft Total Volume: 0.916 bbf

Num Fluid Samples: 0

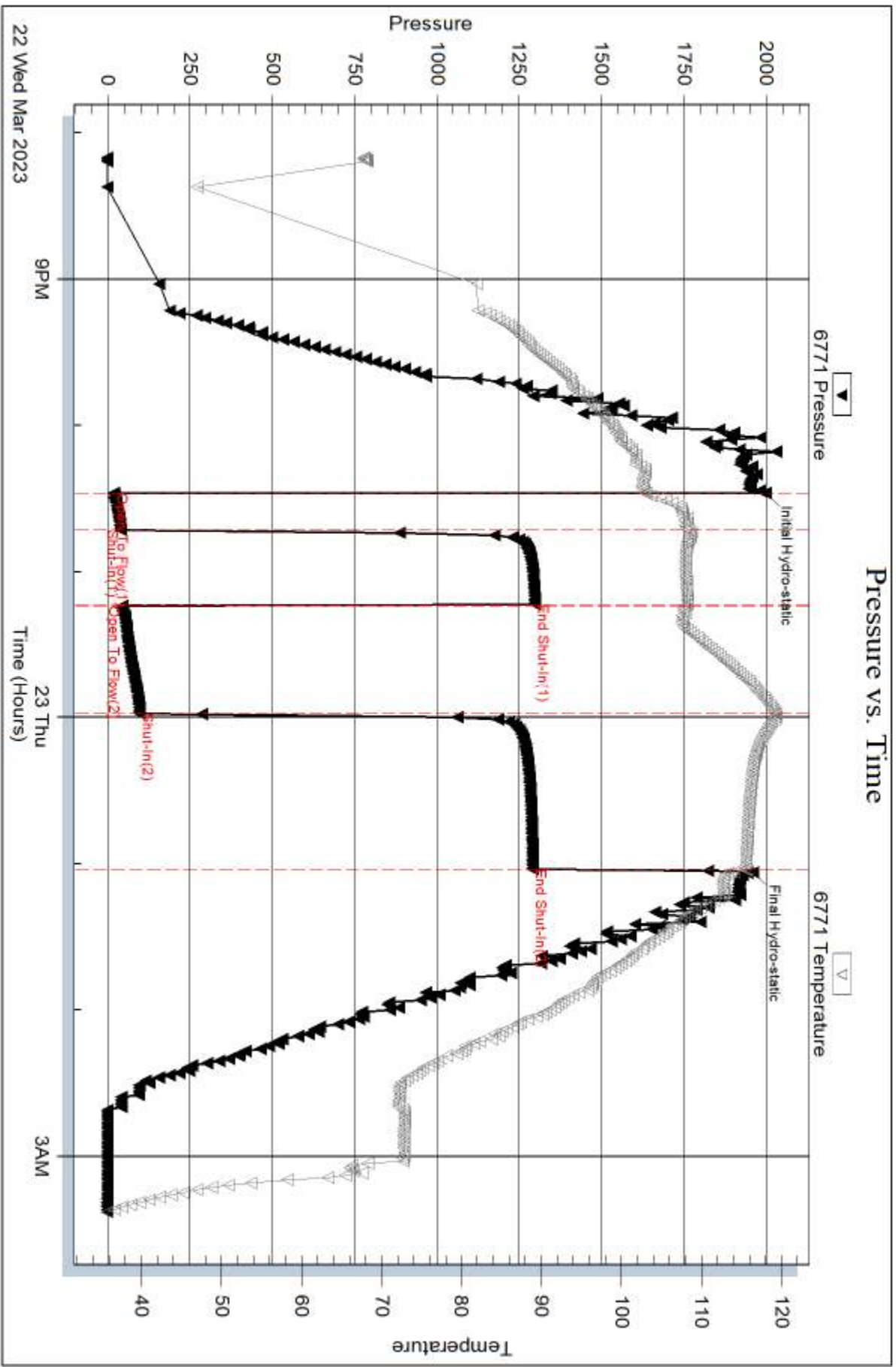
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .675 ohms @ 40.5 deg F Chlorides = 17,000 ppm

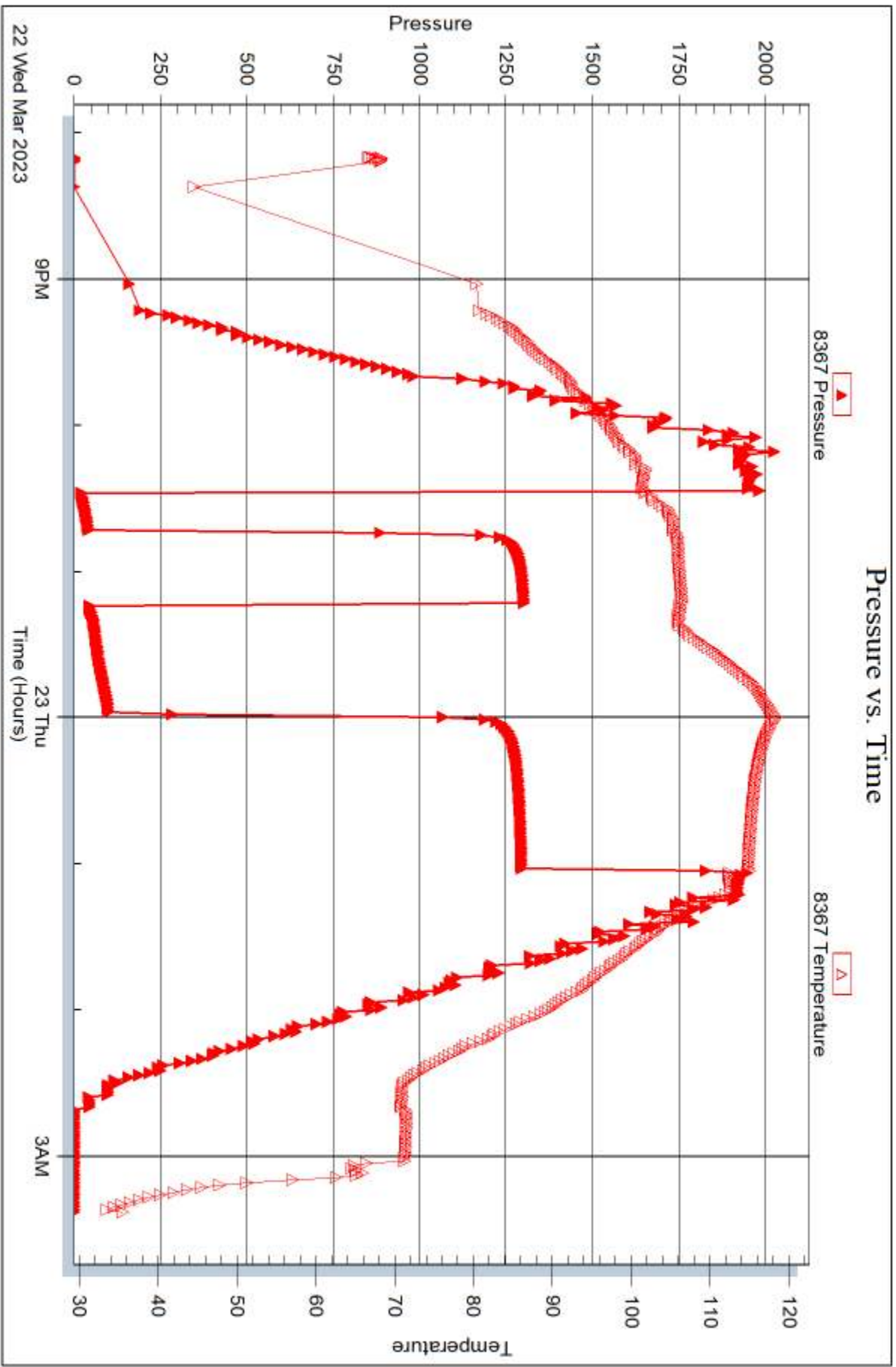


Serial #: 8367

Outside Carmen Schnitt, Inc.

Flatland #1-19

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 69948

Printed: 2023.03.27 @ 15:55:12



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Flatland #1-19

19-6s-31w Thomas KS

Start Date: 2023.03.23 @ 17:50:00

End Date: 2023.03.23 @ 22:59:21

Job Ticket #: 69949 DST #: 3

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

Printed: 2023.03.27 @ 15:54:48



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

19-6s-31w Thomas KS
Flatland #1-19
 Job Ticket: 69949 **DST#: 3**
 Test Start: 2023.03.23 @ 17:50:00

GENERAL INFORMATION:

Formation: **LKC "H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:47:51
 Time Test Ended: 22:59:21
 Interval: **4134.00 ft (KB) To 4160.00 ft (KB) (TVD)**
 Total Depth: 4160.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 73
 Reference Elevations: 3035.00 ft (KB)
 3024.00 ft (CF)
 KB to GR/CF: 11.00 ft

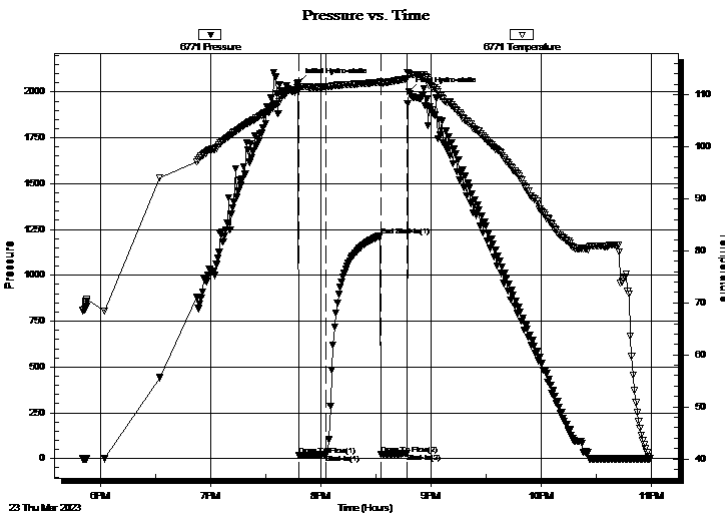
Serial #: 6771

Inside

Press@RunDepth: 22.00 psig @ 4135.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.03.23 End Date: 2023.03.23 Last Calib.: 2023.03.23
 Start Time: 17:50:01 End Time: 22:59:21 Time On Btm: 2023.03.23 @ 19:47:36
 Time Off Btm: 2023.03.23 @ 20:47:51

TEST COMMENT: 15 - IF: Blow built to just under 1/2"
 30 - IS: No blow
 10 - FF: No blow
 Pulled tools

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2052.35	111.51	Initial Hydro-static
1	18.15	111.15	Open To Flow (1)
15	22.00	111.51	Shut-In(1)
45	1216.82	112.40	End Shut-In(1)
46	23.55	112.16	Open To Flow (2)
60	27.82	113.07	Shut-In(2)
61	2000.98	113.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.15

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

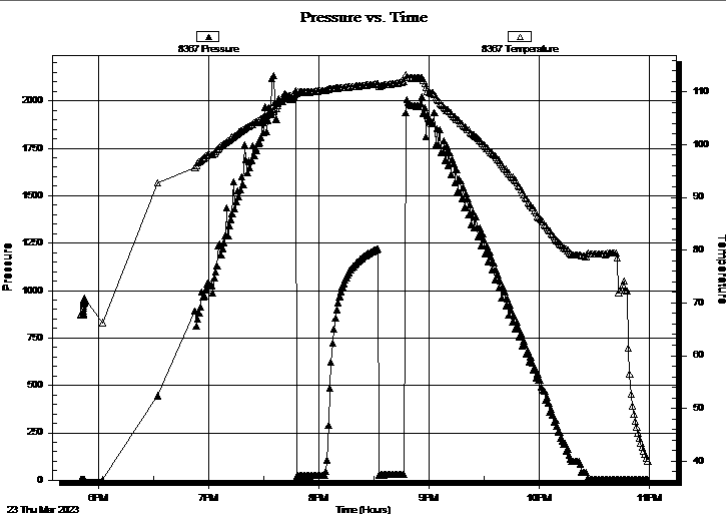
19-6s-31w Thomas KS
Flatland #1-19
 Job Ticket: 69949 **DST#: 3**
 Test Start: 2023.03.23 @ 17:50:00

GENERAL INFORMATION:

Formation: **LKC "H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:47:51
 Time Test Ended: 22:59:21
 Interval: **4134.00 ft (KB) To 4160.00 ft (KB) (TVD)**
 Total Depth: 4160.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 73
 Reference Elevations: 3035.00 ft (KB)
 3024.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8367 **Outside**
 Press@RunDepth: psig @ 4135.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.03.23 End Date: 2023.03.23 Last Calib.: 2023.03.23
 Start Time: 17:50:01 End Time: 22:59:21 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15 - IF: Blow built to just under 1/2"
 30 - IS: No blow
 10 - FF: No blow
 Pulled tools



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

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	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

Carmen Schmitt, Inc.

19-6s-31w Thomas KS

PO Box 47
Great Bend, KS 67530

Flatland #1-19

Job Ticket: 69949

DST#: 3

ATTN: Brad Rine

Test Start: 2023.03.23 @ 17:50:00

Tool Information

Drill Pipe:	Length: 3947.00 ft	Diameter: 3.80 inches	Volume: 55.37 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: 20000.00 lb
Drill Collar:	Length: 172.00 ft	Diameter: 2.25 inches	Volume: 0.85 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 56.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4134.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	59.00 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			4102.00	
Shut In Tool	5.00			4107.00	
Hydraulic tool	5.00			4112.00	
Jars	5.00			4117.00	
EM Tool	4.00			4121.00	
Safety Joint	3.00			4124.00	
Packer	5.00			4129.00	33.00 Bottom Of Top Packer
Packer	5.00			4134.00	
Packer - Shale	0.00			4134.00	
Stubb	1.00			4135.00	
Recorder	0.00	6771	Inside	4135.00	
Recorder	0.00	8367	Outside	4135.00	
Perforations	22.00			4157.00	
Bullnose	3.00			4160.00	26.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

19-6s-31w Thomas KS

PO Box 47
Great Bend, KS 67530

Flatland #1-19

Job Ticket: 69949

DST#: 3

ATTN: Brad Rine

Test Start: 2023.03.23 @ 17:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100%	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

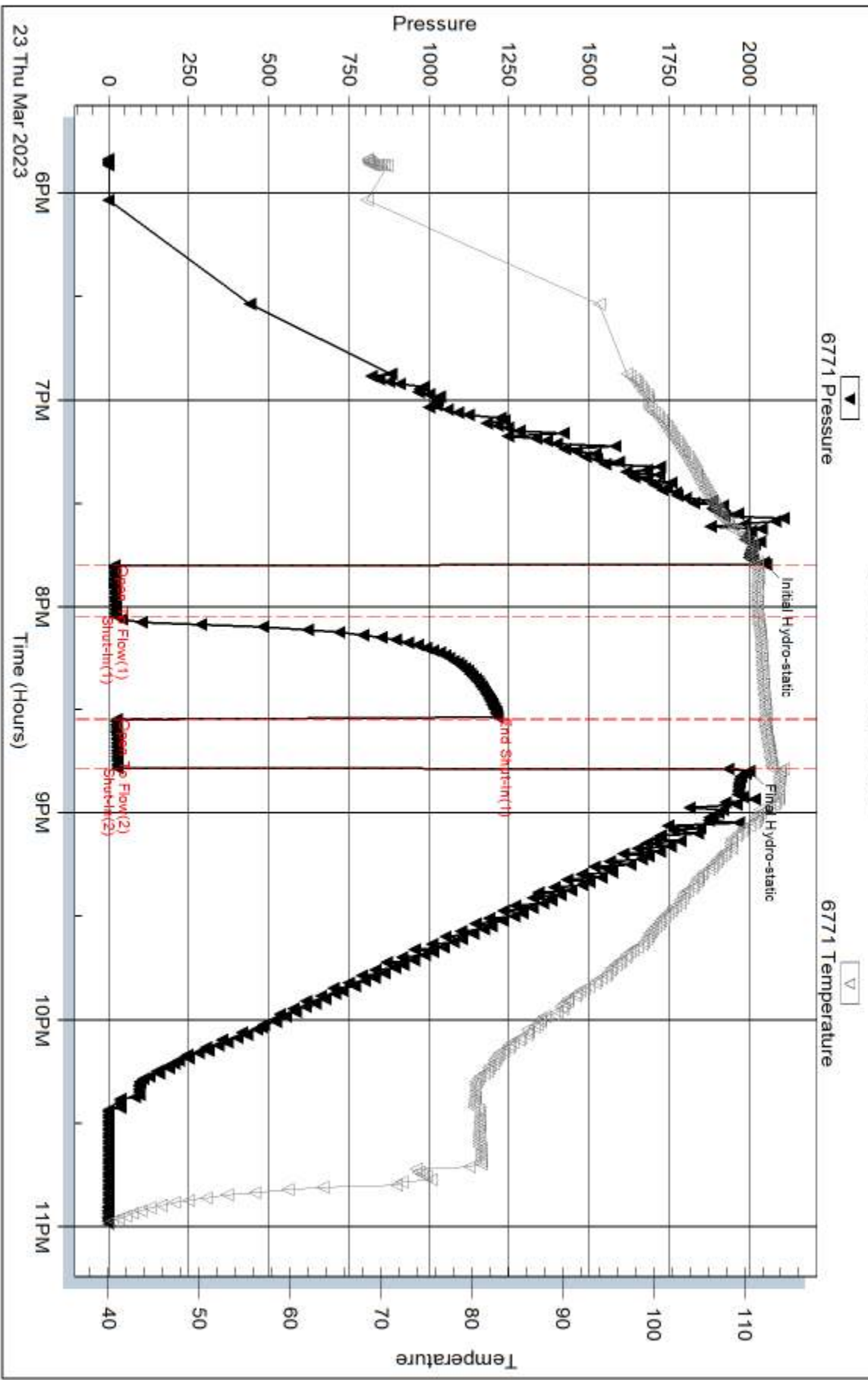
Serial #:

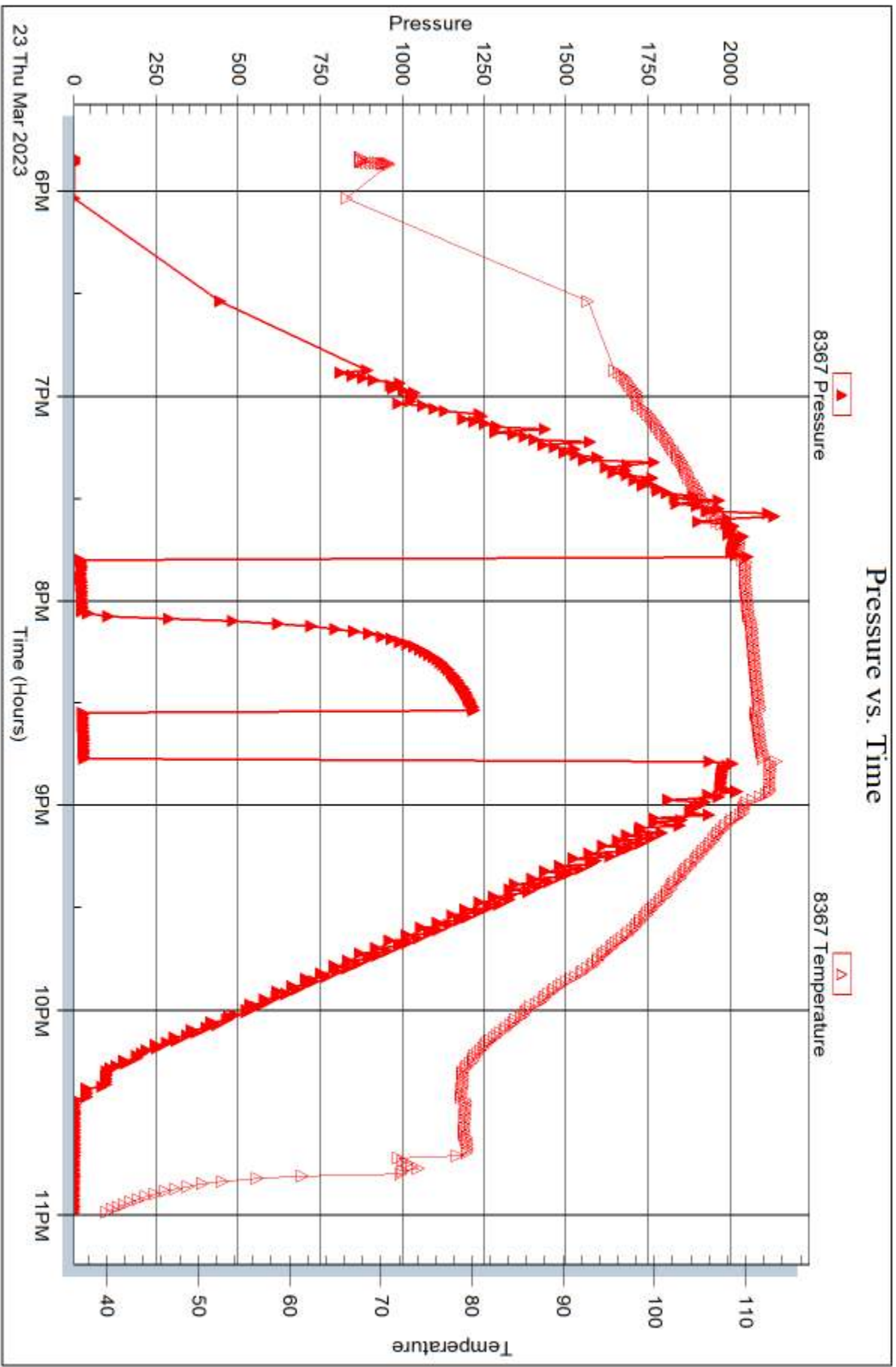
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Flatland #1-19

19-6s-31w Thomas KS

Start Date: 2023.03.24 @ 15:45:00

End Date: 2023.03.24 @ 21:25:21

Job Ticket #: 69950 DST #: 4

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

Printed: 2023.03.27 @ 15:54:20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

19-6s-31w Thomas KS

PO Box 47
Great Bend, KS 67530

Flatland #1-19

Job Ticket: 69950

DST#: 4

ATTN: Brad Rine

Test Start: 2023.03.24 @ 15:45:00

GENERAL INFORMATION:

Formation: **LKC "I - L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:01:06

Time Test Ended: 21:25:21

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

Interval: 4159.00 ft (KB) To 4275.00 ft (KB) (TVD)

Reference Elevations: 3035.00 ft (KB)

Total Depth: 4275.00 ft (KB) (TVD)

3024.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6771 Inside

Press@RunDepth: 25.62 psig @ 4160.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.03.24 End Date: 2023.03.24

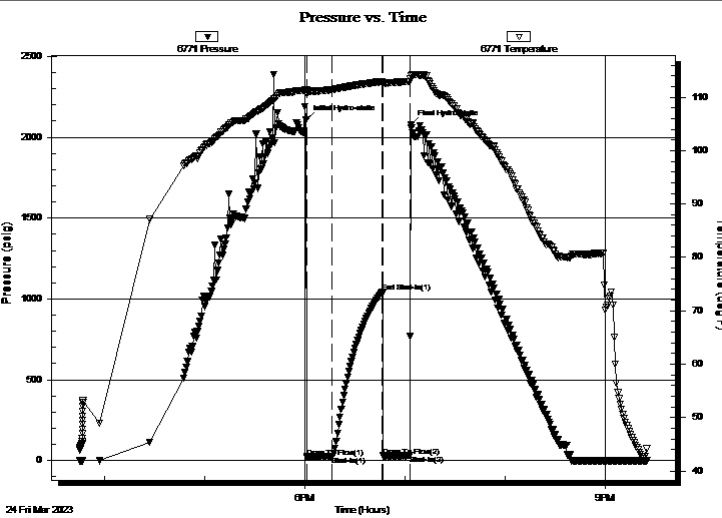
Last Calib.: 2023.03.24

Start Time: 15:45:01 End Time: 21:25:21

Time On Btm: 2023.03.24 @ 18:00:51

Time Off Btm: 2023.03.24 @ 19:03:36

TEST COMMENT: 15 - IF: Blow built to 1/2"
30 - ISI: No blow
15 - FF: Very weak surface blow at 7 min., dead at 12 min.
Pulled tools



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.94	111.44	Initial Hydro-static
1	22.43	110.57	Open To Flow (1)
16	25.62	111.43	Shut-In(1)
46	1042.72	112.94	End Shut-In(1)
46	28.96	112.71	Open To Flow (2)
62	31.38	112.97	Shut-In(2)
63	2075.65	113.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

19-6s-31w Thomas KS

PO Box 47
Great Bend, KS 67530

Flatland #1-19

Job Ticket: 69950

DST#: 4

ATTN: Brad Rine

Test Start: 2023.03.24 @ 15:45:00

Tool Information

Drill Pipe:	Length: 3978.00 ft	Diameter: 3.80 inches	Volume: 55.80 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: 20000.00 lb
Drill Collar:	Length: 172.00 ft	Diameter: 2.25 inches	Volume: 0.85 bbl	Weight to Pull Loose: 51000.00 lb
			<u>Total Volume: 56.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4159.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	116.00 ft			
Tool Length:	149.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4127.00	
Shut In Tool	5.00			4132.00	
Hydraulic tool	5.00			4137.00	
Jars	5.00			4142.00	
EM Tool	4.00			4146.00	
Safety Joint	3.00			4149.00	
Packer	5.00			4154.00	33.00 Bottom Of Top Packer
Packer	5.00			4159.00	
Stubb	1.00			4160.00	
Recorder	0.00	6771	Inside	4160.00	
Recorder	0.00	8367	Outside	4160.00	
Perforations	15.00			4175.00	
Blank Spacing	96.00			4271.00	
Perforations	1.00			4272.00	
Bullnose	3.00			4275.00	116.00 Bottom Packers & Anchor

Total Tool Length: 149.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

19-6s-31w Thomas KS

PO Box 47
Great Bend, KS 67530

Flatland #1-19

Job Ticket: 69950

DST#: 4

ATTN: Brad Rine

Test Start: 2023.03.24 @ 15:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud 100%	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

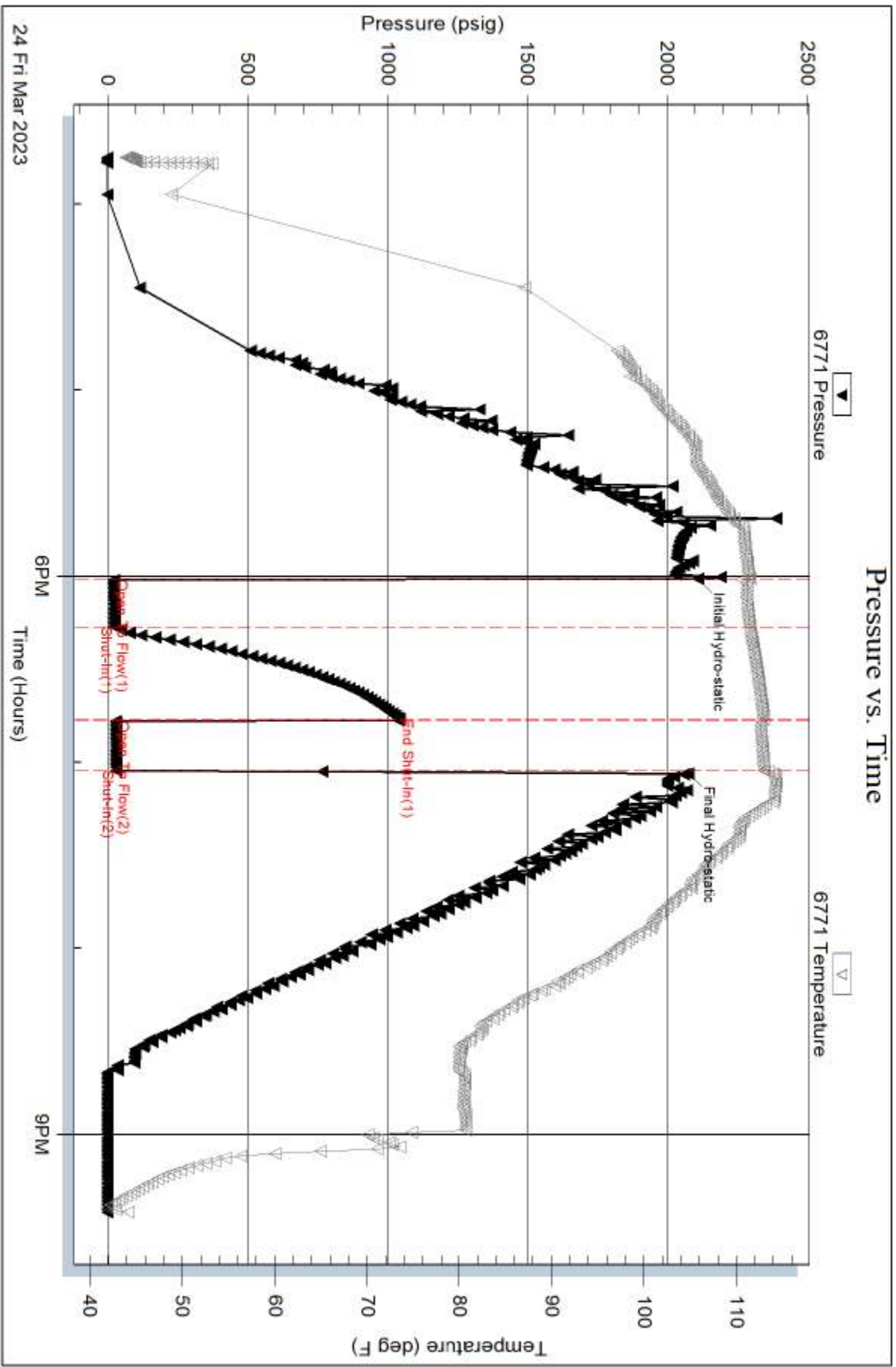
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

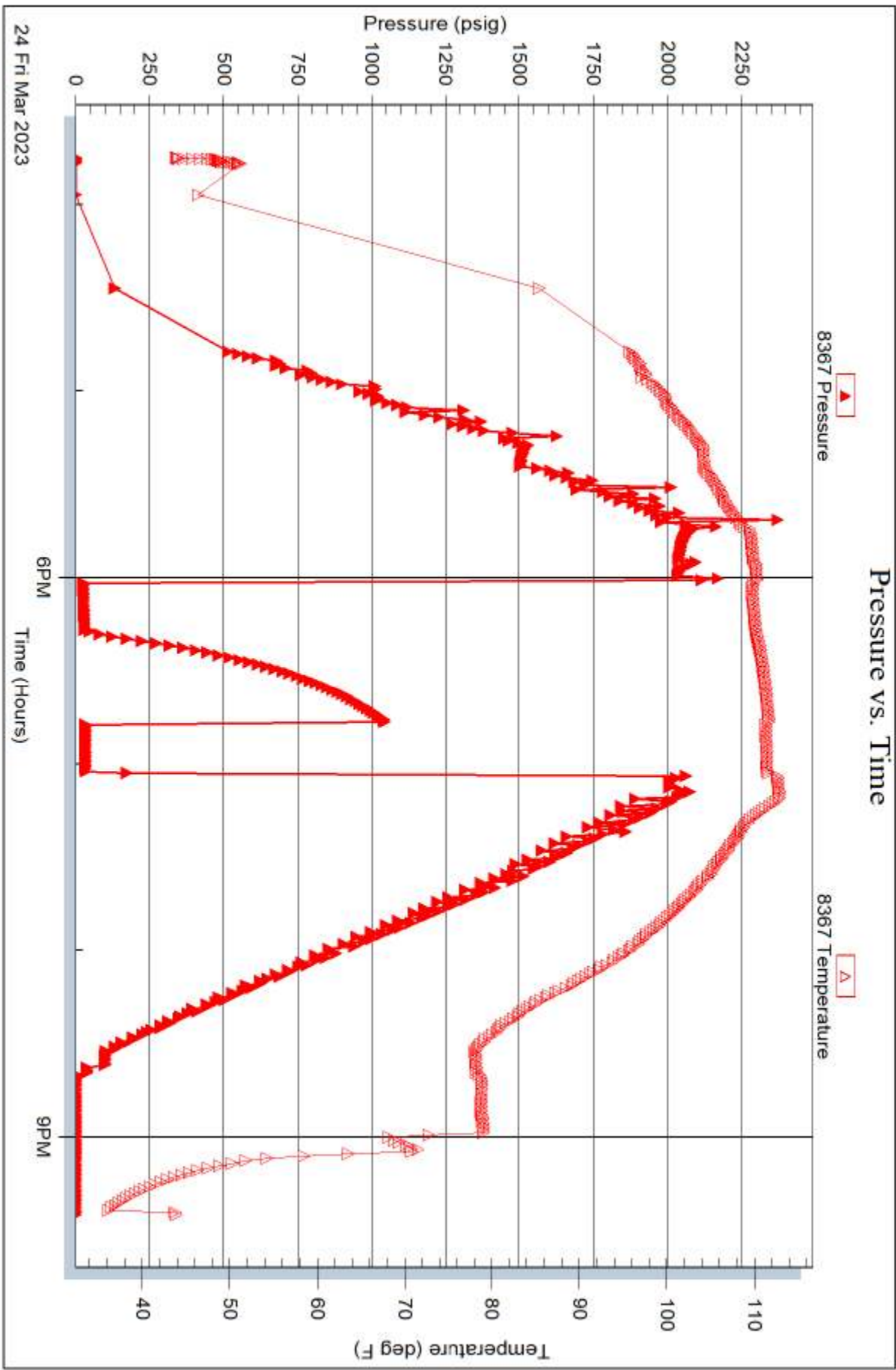


Serial #: 8367

Outside Carmen Schnitt, Inc.

Flatland #1-19

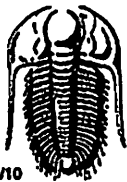
DST Test Number: 4



Trioblate Testing, Inc

Ref. No: 69950

Printed: 2023.03.27 @ 15:54:21



TRILOBITE TESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

Test Ticket

NO. 69947

Well Name & No. Flatland #1-19 Test No. 1 Date 3-22-23
 Company Carmen Schmitt Inc. Elevation 3035 KB 3024 GL
 Address PO Box 47 Great Bend KS 67530
 Co. Rep / Geo. Brad Rine Rig Duke #5
 Location: Sec. 19 Twp 6s Rge. 31W Co. Thomas State KS

Interval Tested 3978-4048 Zone Tested Toronto - Lans. "A"
 Anchor Length 70 Drill Pipe Run 3791 Mud Wt. 8.8
 Top Packer Depth 3973 Drill Collars Run 172 Vis 55
 Bottom Packer Depth 3978 Wt. Pipe Run - WL 7.2
 Total Depth 4048 Chlorides 2000 ppm System LCM 2
 Blow Description IF: Blow built to 1/4"
ISI: No blow
FF: No blow
Pulled tools

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

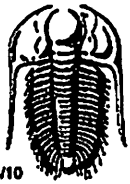
Rec Total 5 BHT 112 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2003 Test 1950 T-On Location 4:30
 (B) First Initial Flow 19 Jars 300 T-Started 6:55
 (C) First Final Flow 21 Safety Joint T-Open 9:23
 (D) Initial Shut-In 956 Circ Sub T-Pulled 10:20
 (E) Second Initial Flow 23 Hourly Standby T-Out 12:35
 (F) Second Final Flow 24 Mileage 86 RT 150.50 Comments ~~192 805~~
 (G) Final Shut-In - Sampler EM Tool -175
 (H) Final Hydrostatic 1973 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder
 Day Standby
 Accessibility

Initial Open 15
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In -

Sub Total 2400.50 Sub Total -175 Total 2225.50 MP/DST Disc't _____

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69948

Well Name & No. Flatland #1-19 Test No. 2 Date 3-22-23
 Company Carmen Schmitt Inc Elevation 3035 KB 3024 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rine Rig Duke #5
 Location: Sec. 19 Twp 6S Rge. 31W Co. Thomas State KS

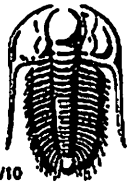
Interval Tested 4040 - 4063 Zone Tested Lans. "C"
 Anchor Length 23 Drill Pipe Run 3853 Mud Wt. 9.2
 Top Packer Depth 4035 Drill Collars Run 172 Vis 57
 Bottom Packer Depth 4040 (Shale) Wt. Pipe Run - WL 8.0
 Total Depth 4063 Chlorides 3100 ppm System LCM 2
 Blow Description IF: Blow built to 1 3/4"
ISI: No blow
FF: Blow built to 3 1/4"
FF: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>177</u>	<u>MCW</u>		<u>61</u>	<u>39</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 177 BHT 116 Gravity API RW .675 @ 40.5° F Chlorides 17,000 ppm
 (A) Initial Hydrostatic 1998 Test 1950 T-On Location 19:25 3/22
 (B) First Initial Flow 19 Jars 300 T-Started 20:10
 (C) First Final Flow 39 Safety Joint _____ T-Open 22:27
 (D) Initial Shut-In 1298 Circ Sub _____ T-Pulled 1:02
 (E) Second Initial Flow 43 Hourly Standby _____ T-Out 3:20 3/23
 (F) Second Final Flow 97 Mileage 86 RT 150.50 Comments _____
 (G) Final Shut-In 1292 Sampler _____
 (H) Final Hydrostatic 1961 Straddle _____ EM Tool _____

Initial Open 15 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 45 Extra Copies _____
 Final Shut-In 60 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2650.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2650.50

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69949

Well Name & No. Flatland #1-19 Test No. 3 Date 3-23-23
 Company Carmen Schmitt Inc Elevation 3035 KB 3024 GL
 Address PO Box 47 Great Bend KS 67530
 Co. Rep / Geo. Brad Rine Rig Duke #5
 Location: Sec. 19 Twp 6S Rge. 31W Co. Thomas State KS

Interval Tested 4134 - 4160 Zone Tested LKC "H"
 Anchor Length 26 Drill Pipe Run 3947 Mud Wt. 9.1
 Top Packer Depth 4129 Drill Collars Run 172 Vis 61
 Bottom Packer Depth 4134 (shale) Wt. Pipe Run - WL 6.4
 Total Depth 4160 Chlorides 2800 ppm System LCM 3
 Blow Description IF: Blow built to just under 1/2"
ISI: No blow
FF: No blow
Pulled tools

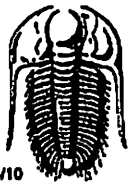
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 113 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2052 Test 1950 T-On Location 17:00
 (B) First Initial Flow 18 Jars 300 T-Started 17:50
 (C) First Final Flow 22 Safety Joint _____ T-Open 19:47
 (D) Initial Shut-In _____ 1217 Circ Sub _____ T-Pulled 20:46
 (E) Second Initial Flow 24 Hourly Standby _____ T-Out 22:55
 (F) Second Final Flow 28 Mileage 86 150.50 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 2001 Straddle _____ EM Tool _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 15 Extra Packer _____
 Initial Shut-In 30 Extra Recorder _____
 Final Flow 10 Day Standby _____
 Final Shut-In _____ Accessibility _____
 Sub Total 2650.50 Sub Total _____ MP/DST Disc't _____

Approved By _____ Our Representative James Winda

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69950

Well Name & No. Flatland #1-19 Test No. 4 Date 3-24-23
 Company Carmen Schmitt Inc Elevation 3035 KB 3024 GL
 Address PO Box 47 Great Bend KS 67530
 Co. Rep / Geo. Brad Rine Rig Duke #5
 Location: Sec. 19 Twp 6s Rge. 3W Co. Thomas State KS

Interval Tested 4159-4275 Zone Tested LKC "I-L"
 Anchor Length 116 Drill Pipe Run 3978 Mud Wt. 9.3
 Top Packer Depth 4154 Drill Collars Run 172 Vis 60
 Bottom Packer Depth 4159 (shale) Wt. Pipe Run - WL 7.2
 Total Depth 4275 Chlorides 3200 ppm System LCM 3
 Blow Description IF: Blow built to 1/2"
ISI: No blow
FF: Very weak surface blow at 7 min., dead at 12 min.
Pulled tools

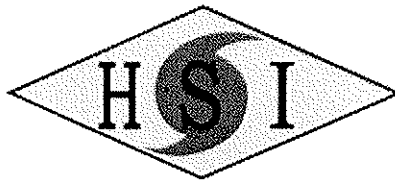
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 113 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2111 Test 1950 T-On Location ~~15:00~~ 15:00
 (B) First Initial Flow 22 Jars 300 T-Started 15:45
 (C) First Final Flow 26 Safety Joint T-Open 18:01
 (D) Initial Shut-In 1043 Circ Sub T-Pulled 19:02
 (E) Second Initial Flow 29 Hourly Standby T-Out 21:20
 (F) Second Final Flow 31 Mileage 86RT x 2 301 Comments Tools loaded 19:25
 (G) Final Shut-In - Sampler 3/26
 (H) Final Hydrostatic 2076 Straddle EM Tool
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Initial Open 15 Extra Packer
 Initial Shut-In 30 Extra Recorder
 Final Flow 15 Day Standby 1d 22.25h Sub Total 800
 Final Shut-In - Accessibility Total 3601
 Sub Total 2801 MP/DST Disc't _____

Approved By _____ Our Representative James Miller

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



HURRICANE SERVICES INC

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

Customer:
CARMEN SCHMITT INC
PO BOX 47
GREAT BEND, KS 67530-0047

Invoice Date: 3/18/2023
Invoice #: 0367171
Lease Name: Flatland
Well #: 1-19 (New)
County: Thomas, Ks
Job Number: WP4067
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	200.000	22.500	4,500.00
Light Eq Mileage	35.000	2.000	70.00
Heavy Eq Mileage	70.000	4.000	280.00
Ton Mileage	329.000	1.500	493.50
Depth Charge 0'-500'	1.000	1,000.000	1,000.00
Cement Blending & Mixing	200.000	1.400	280.00
Service Supervisor	1.000	275.000	275.00

*7/10/43
20075.0119
BCP well Rte
"Surface Cement"*

Total 6,898.50

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!

COPELAND

Acid & Cement

BURRTON, KS ♦ GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

INVOICE NUMBER:
C60794-IN

BILL TO:
CARMEN SCHMITT, INC.
PO BOX 47
GREAT BEND, KS 67530

LEASE: FLATLAND 1-19

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
03/28/2023	60794		03/27/2023	FLATLAND 1-19	NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
		NEW WELL				
100.00	MI	MILEAGE CEMENT PUMP TRUCK		0.00	6.00	600.00
1.00	EA	PUMP CHARGE ROTARY PLUG		0.00	1,150.00	1,150.00
255.00	SK	60/40 POZ MIX 2% GEL		0.00	13.25	3,378.75
5.00	SK	2% ADDITIONAL GEL		0.00	25.25	126.25
65.00	LB	CELLO-FLAKES		0.00	3.25	211.25
1.00	EA	8 5/8" WOOD PLUG		0.00	65.00	65.00
262.00	EA	BULK CHARGE		0.00	1.25	327.50
576.40	MI	BULK TRUCK - TON MILES		0.00	1.10	634.04
		<i>710/43</i> <i>20075.0119</i> <i>BOP Well Rte</i> <i>Cement to Plug</i>				
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice:		6,492.79
		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		THOMCO Sales Tax:		294.53
RECEIVED BY		NET 30 DAYS		Invoice Total:		6,787.32

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days pas

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code.

