KOLAR Document ID: 1515100

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 # 33406
Name: Thomas Garner, Inc.
Address 1: 305 E 7TH
Address 2:
City: ST JOHN State: KS Zip: 67576 + 1652
Contact Person: Tom Garner
Phone: (620) 793-0766
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Josh Austin
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 #:

12/27/2019	01/02/2020	01/03/2020
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-185-24065-00-00
Spot Description:
SE - SE - NE - NE Sec. 20 Twp. 24 S. R. 13 ☐ East ☑ West
1145 Feet from ☑ North / ☐ South Line of Section
100 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Stafford
Lease Name: SHRACK UNIT Well #: 1
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 1922 Kelly Bushing: 1933
Total Vertical Depth: 4120 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 307 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: 6000 ppm Fluid volume: 160 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Pauls Oilfield Service
Lease Name: Beckerdite License #: 31085
Quarter SW Sec. 21 Twp. 24 S. R. 13 ☐ East ☑ West
County: Stafford Permit #: D-26547

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:** Karen Ritter **Date:** 05/07/2020

Operator Name: Thomas Garner, Inc. Lease Name: SHRACK UNIT Well #: 1

Sec. 20 Twp. 24 S. R. 13 ☐ East ☑ West County: Stafford

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

Micro
Dual Induction
Dual Comp Porosity

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

Name	Top	Datum
Anhydrite	769	1164
Heebner	3378	-1445
Lansing	3542	-1609
Viola	3877	-1944
Simpson	4014	-2081
Arbuckle	4051	-2118

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	307	60/40	350	2

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

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

Date of first Production/Injection or Resumed Production/ Injection:	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

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

TUBING RECORD: Size: Set At: Packer At:

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

Form	ACO1 - Well Completion
Operator	Thomas Garner, Inc.
Well Name	SHRACK UNIT 1
Doc ID	1515100

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	307	60/40	350	2

Joshua R. Austin

Petroleum Geologist

report for

Thomas Garner, Inc.

COMPANY: Thomas Garner, Inc.

LEASE: Shrack Unit #1

FIELD: Van Lieu

LOCATION: Se-Se-Ne-Ne (1145' FNL & 100' FEL)

SEC: 20 **TWSP:** 24s **RGE:** 13w

COUNTY: Stafford **STATE:** Kansas

KB: 1933' **GL:** 1922'

API#: 15-185-24065-00-00

CONTRACTOR: Sterling Drilling Company (Rig #4)

SPUD: 12/27/2019 **COMP:** 1/3/2020

RTD: 4120' **LTD:** 4120'

MUD UP: 3,009' **TYPE MUD:** Chemical was displaced

SAMPLES SAVED FROM: 3100' to RTD
DRILLING TIME FROM: 2800' to RTD
SAMPLE EXAMINED FROM: 3100' to RTD
GEOLOGICAL SUPERVISION: 3200' to RTD
GEOLOGIST ON WELL: Josh Austin
SURFACE CASING: 8 5/8" @ 307'
PRODUCTION CASING: None
ELECTRONIC SURVEY: Pioneer Energy Services

NOTES

On the basis of the drill stem test, structural position and after reviewing the electric logs, it was recommended by all parties involved in the Shrack Unit #1 that it be plugged and abandoned at the rotary total depth of 4,120'.

Respectfully Submitted by:

Joshua Austin

well comparison sheet

	DRILLING WELL Shrack Unit				* COMPARISON WELL Shrack 20-24-13				* COMPARISON WELL Beckerdite 21-21-13			
							Structural Relationship				Structural Relationship	
	1933 KB				1930 KB				1928 KB			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	767	1166	769	1164					766	1162	4	2
Heebner	3382	-1449	3378	-1445	3383	-1453	4	8	3371	-1443	-6	-2
Toronto	3405	-1472	3400	-1467	3406	-1476	4	9	3392	-1464	-8	-3
Douglas	3421	-1488	3418	-1485	3422	-1492	4	7	3412	-1484	-4	-1
Brown Lime	3521	-1588	3518	-1585	3523	-1593	5	8	3511	-1583	-5	-2
Lansing	3546	-1613	3542	-1609	3547	-1617	4	8	3534	-1606	-7	-3
BKC	3811	-1878	3808	-1875	3813	-1883	5	8	3800	-1872	-6	-3
Marmaton	3823	-1890	3820	-1887	3824	-1894	4	7	3812	-1884	-6	-3
Cong.	3861	-1928	3857	-1924	3859	-1929	1	5	3851	-1923	-5	-1
Viola	3887	-1954	3877	-1944	3896	-1966	12	22	3875	-1947	-7	3
Simpson	4008	-2075	4014	-2081	4013	-2083	8	2	4007	-2079	4	-2
Arbuckle	4056	-2123	4051	-2118	4050	-2120	-3	2	4046	-2118	-5	0
Total Depth	4120	-2187	4120	-2187	4120	-2190			4107	-2179		

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Thomas Garner Inc

305 E 7th
St John, KS 67576

ATTN: Josh Austin

20-24S-13W Stafford, KS

Schrack Unit 1

Job Ticket: 65483 **DST#: 1**

Test Start: 2020.01.01 @ 23:32:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:44:02
Time Test Ended: 06:08:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

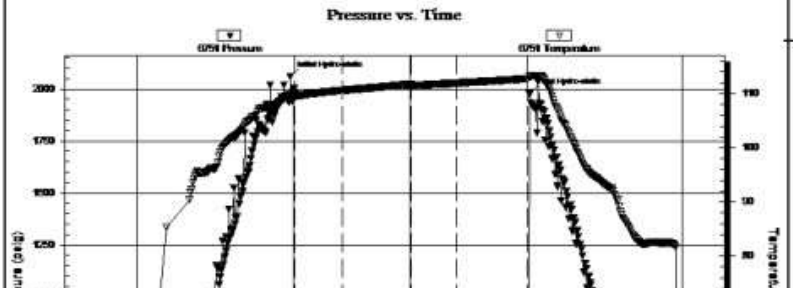
Interval: 3995.00 ft (KB) To 4062.00 ft (KB) (TVD)
Total Depth: 4062.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1933.00 ft (KB)
1922.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6751 **Outside**
Press@RunDepth: 36.80 psig @ 3996.00 ft (KB)
Start Date: 2020.01.01 End Date: 2020.01.02
Start Time: 23:32:01 End Time: 06:08:02

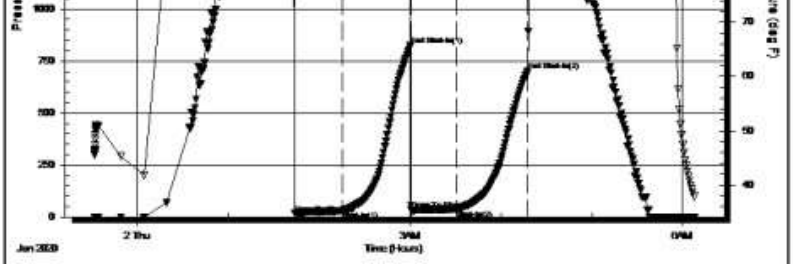
Capacity: psig
Last Calib.: 2020.01.02
Time On Btm: 2020.01.02 @ 01:41:17
Time Off Btm: 2020.01.02 @ 04:18:47

TEST COMMENT: IF: Weak Blow , Built to 3 1/2 inches
ISI: No Blow Back
FF: Weak Blow , Built to 2 3/4 inches
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2060.14	109.75	Initial Hydro-static
3	16.82	109.33	Open To Flow (1)
35	29.68	110.60	Shut-In(1)
80	826.64	111.67	End Shut-In(1)
80	32.52	111.52	Open To Flow (2)
110	36.80	111.93	Shut-In(2)



157	702.09	112.77	End Shut-In(2)
158	1975.52	113.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 30%O 70%M	0.30

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Thomas Garner Inc

305 E 7th
St John, KS 67576

ATTN: Josh Austin

20-24S-13W Stafford, KS

Schrack Unit 1

Job Ticket: 65484 **DST#: 2**

Test Start: 2020.01.02 @ 12:08:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:39:47
Time Test Ended: 18:46:02

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 3994.00 ft (KB) To 4066.00 ft (KB) (TVD)
Total Depth: 4066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

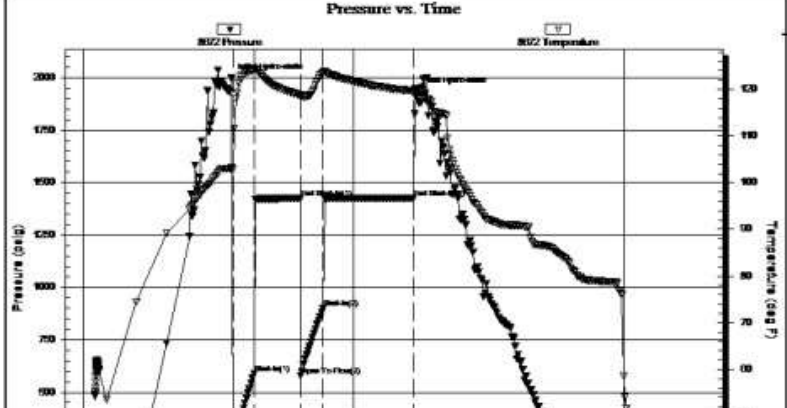
Reference Elevations: 1933.00 ft (KB)
1922.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 899.24 psig @ 3995.00 ft (KB)
Start Date: 2020.01.02 End Date: 2020.01.02
Start Time: 12:08:01 End Time: 18:46:02

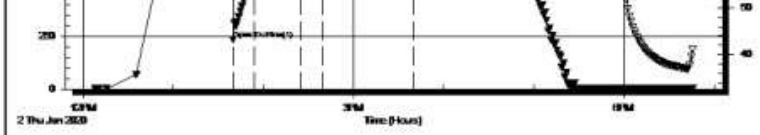
Capacity: psig
Last Calib.: 2020.01.02
Time On Btm: 2020.01.02 @ 13:38:47
Time Off Btm: 2020.01.02 @ 15:41:17

TEST COMMENT: IF: Strong Blow , BOB in 90 seconds, Built to 129 inches
ISI: No Blow Back
FF: Strong Blow , BOB in 2 minutes, Built to 133 inches
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1996.81	103.12	Initial Hydro-static
1	236.85	102.80	Open To Flow (1)
15	589.88	124.11	Shut-In(1)
46	1423.67	118.81	End Shut-In(1)
47	578.13	118.44	Open To Flow (2)
61	899.24	123.61	Shut-In(2)
122	1424.51	119.68	End Shut-In(2)
123	1929.23	120.03	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
882.00	Water	10.42
1008.00	MCW 30%M 70%W	14.14

* Recovery from multiple tests

Gas Rates

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

ROCK TYPES

Cht, Congl, Dolsec, Lmst fw7>, shale, grn, shale, gry, Carbon Sh, shale, red, Ss

ACCESSORIES

MINERAL
- Chert, dark
- Chert, tripolitic
- Dolomitic
- Glauconite
- P Pyrite
- Silty
- Chert White
- Mc Mica
- Euhed rhombs of dol or

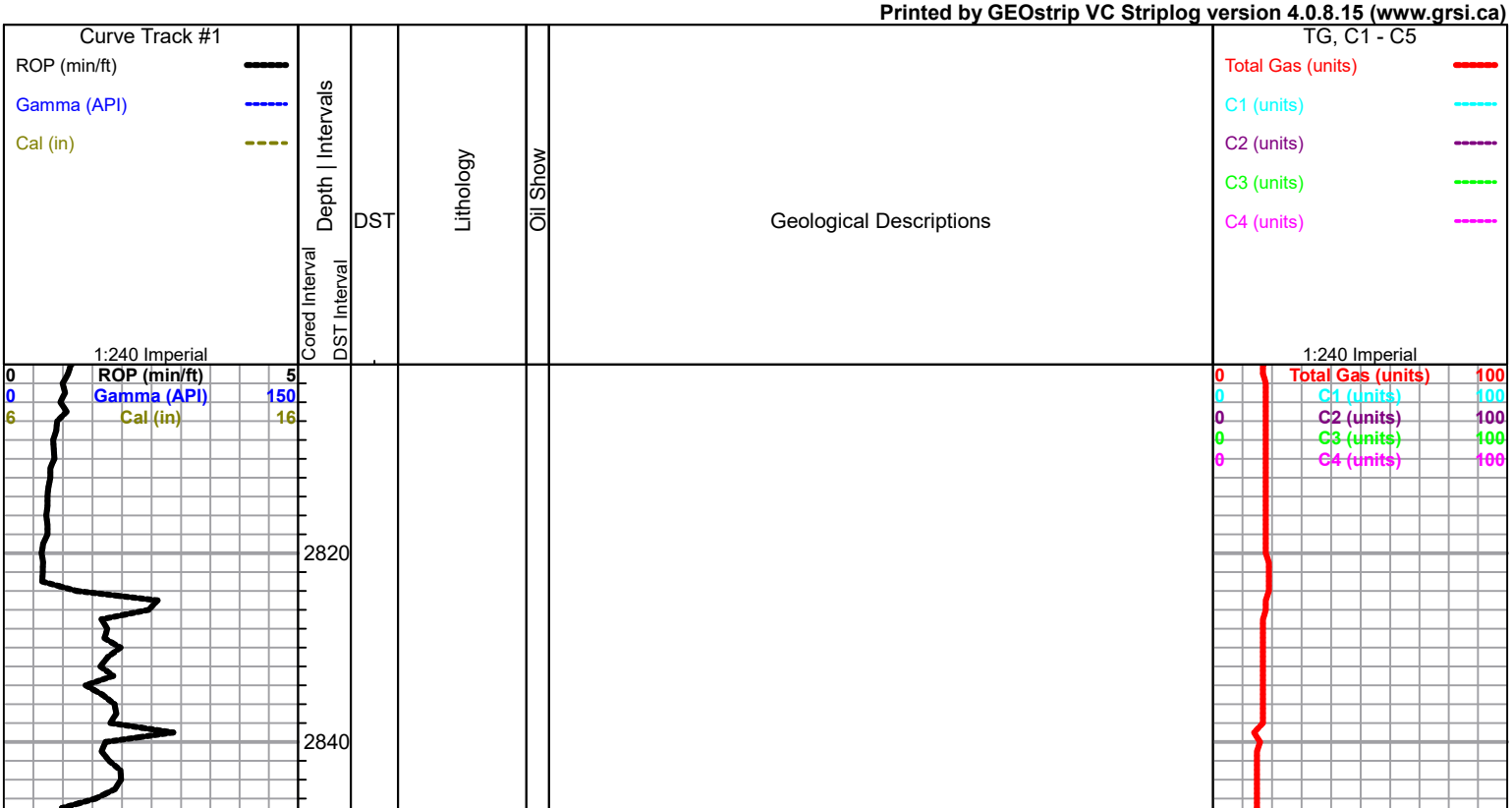
FOSSIL
- F Fossils < 20%
- Oomoldic

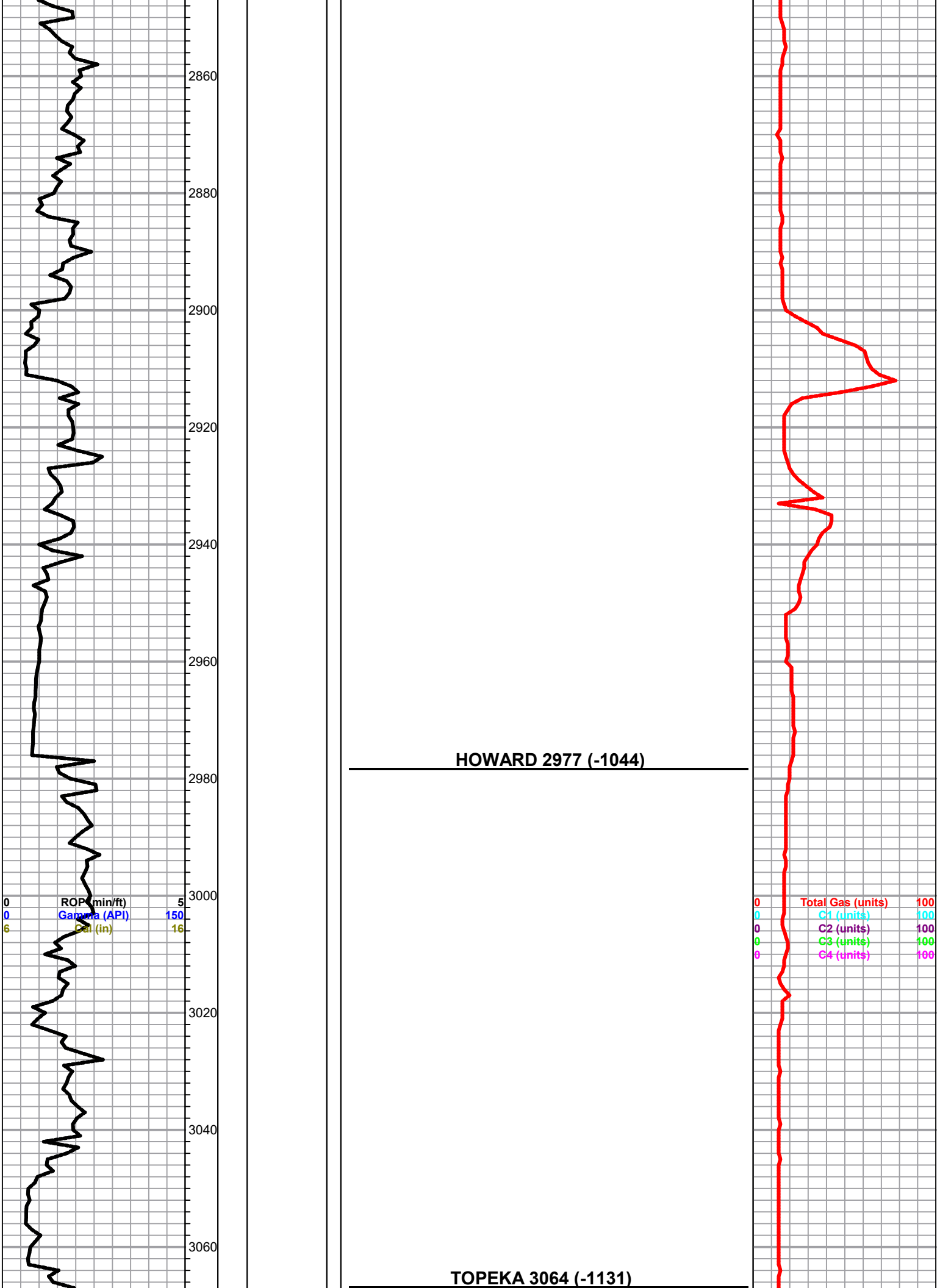
TEXTURE
- C Chalky

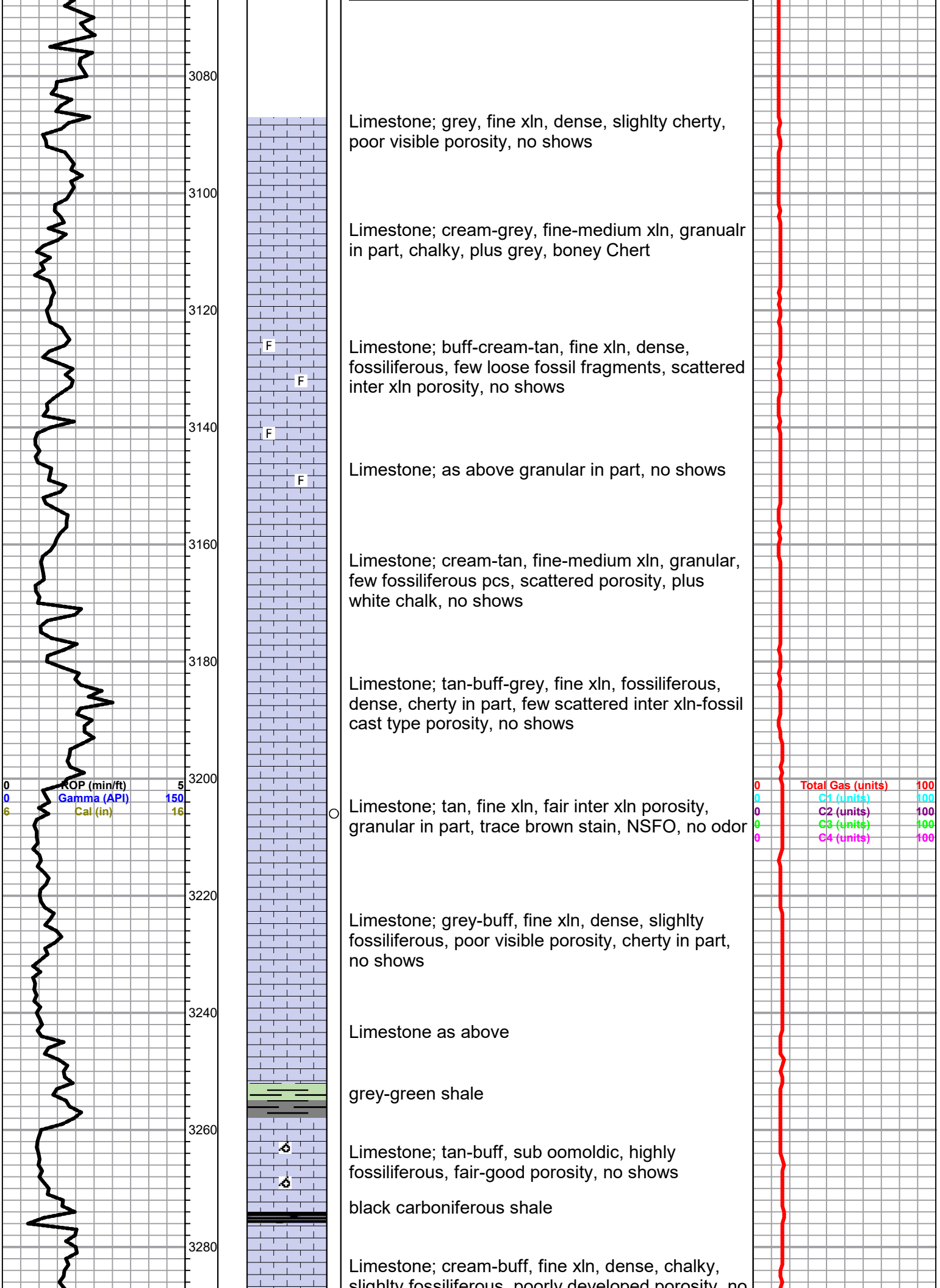
OTHER SYMBOLS

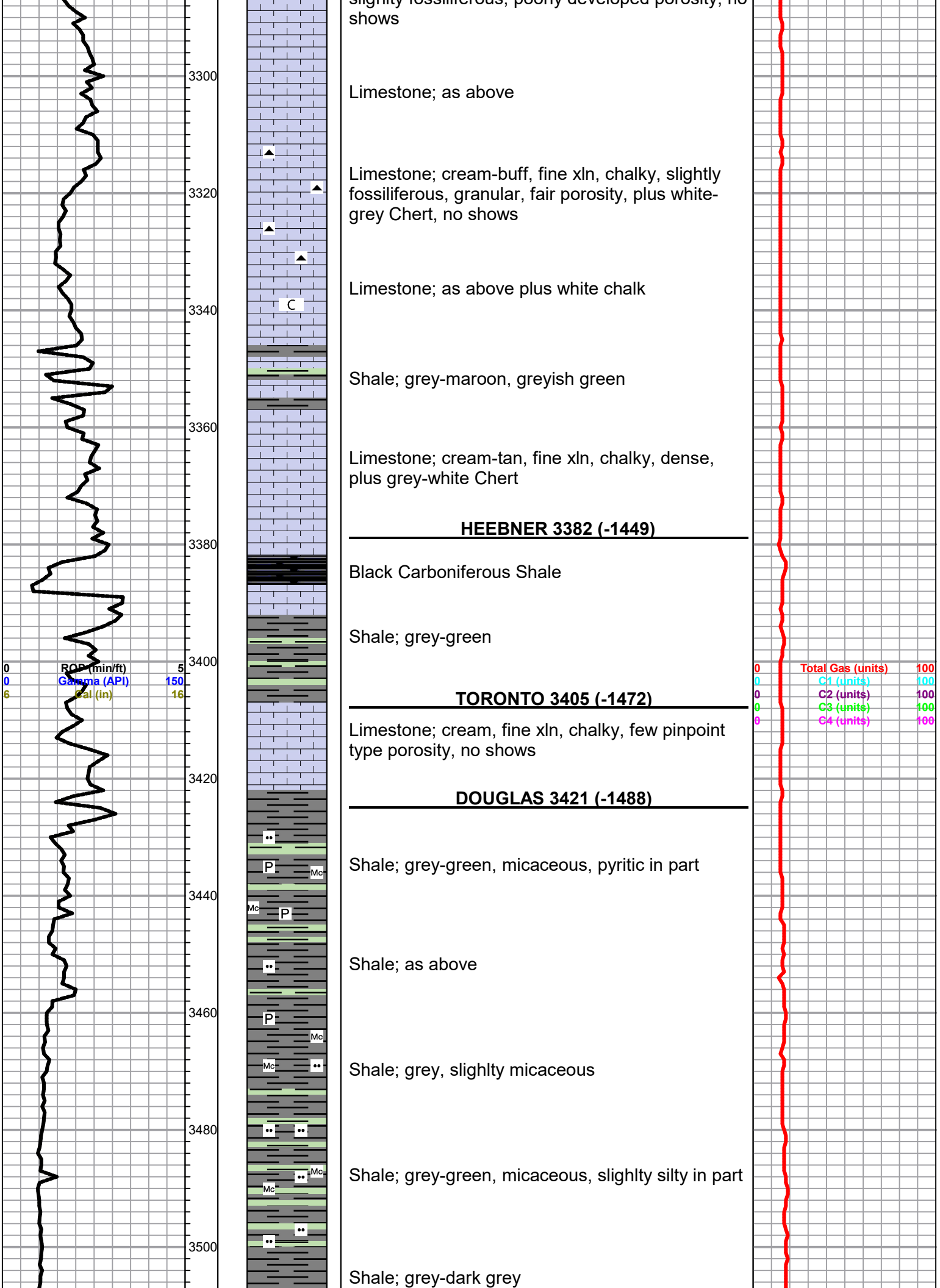
DST
- DST Int
- DST alt
- Core
- tail pipe

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)




2860
2880
2900
2920
2940
2960
2980
3000
3020
3040
3060
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
HOWARD 2977 (-1044)
TOPEKA 3064 (-1131)
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100


3080
3100
3120
3140
3160
3180
3200
3220
3240
3260
3280
F
F
F
F
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
Limestone; grey, fine xln, dense, slighlty cherty, poor visible porosity, no shows
Limestone; cream-grey, fine-medium xln, granualr in part, chalky, plus grey, boney Chert
Limestone; buff-cream-tan, fine xln, dense, fossiliferous, few loose fossil fragments, scattered inter xln porosity, no shows
Limestone; as above granular in part, no shows
Limestone; cream-tan, fine-medium xln, granular, few fossiliferous pcs, scattered porosity, plus white chalk, no shows
Limestone; tan-buff-grey, fine xln, fossiliferous, dense, cherty in part, few scattered inter xln-fossil cast type porosity, no shows
Limestone; tan, fine xln, fair inter xln porosity, granular in part, trace brown stain, NSFO, no odor
Limestone; grey-buff, fine xln, dense, slighlty fossiliferous, poor visible porosity, cherty in part, no shows
Limestone as above
grey-green shale
Limestone; tan-buff, sub oomoldic, highly fossiliferous, fair-good porosity, no shows
black carboniferous shale
Limestone; cream-buff, fine xln, dense, chalky,



slightly fossiliferous, poorly developed porosity, no shows

Limestone; as above

Limestone; cream-buff, fine xln, chalky, slightly fossiliferous, granular, fair porosity, plus white-grey Chert, no shows

Limestone; as above plus white chalk

Shale; grey-maroon, greyish green

Limestone; cream-tan, fine xln, chalky, dense, plus grey-white Chert

HEEBNER 3382 (-1449)

Black Carboniferous Shale

Shale; grey-green

TORONTO 3405 (-1472)

Limestone; cream, fine xln, chalky, few pinpoint type porosity, no shows

DOUGLAS 3421 (-1488)

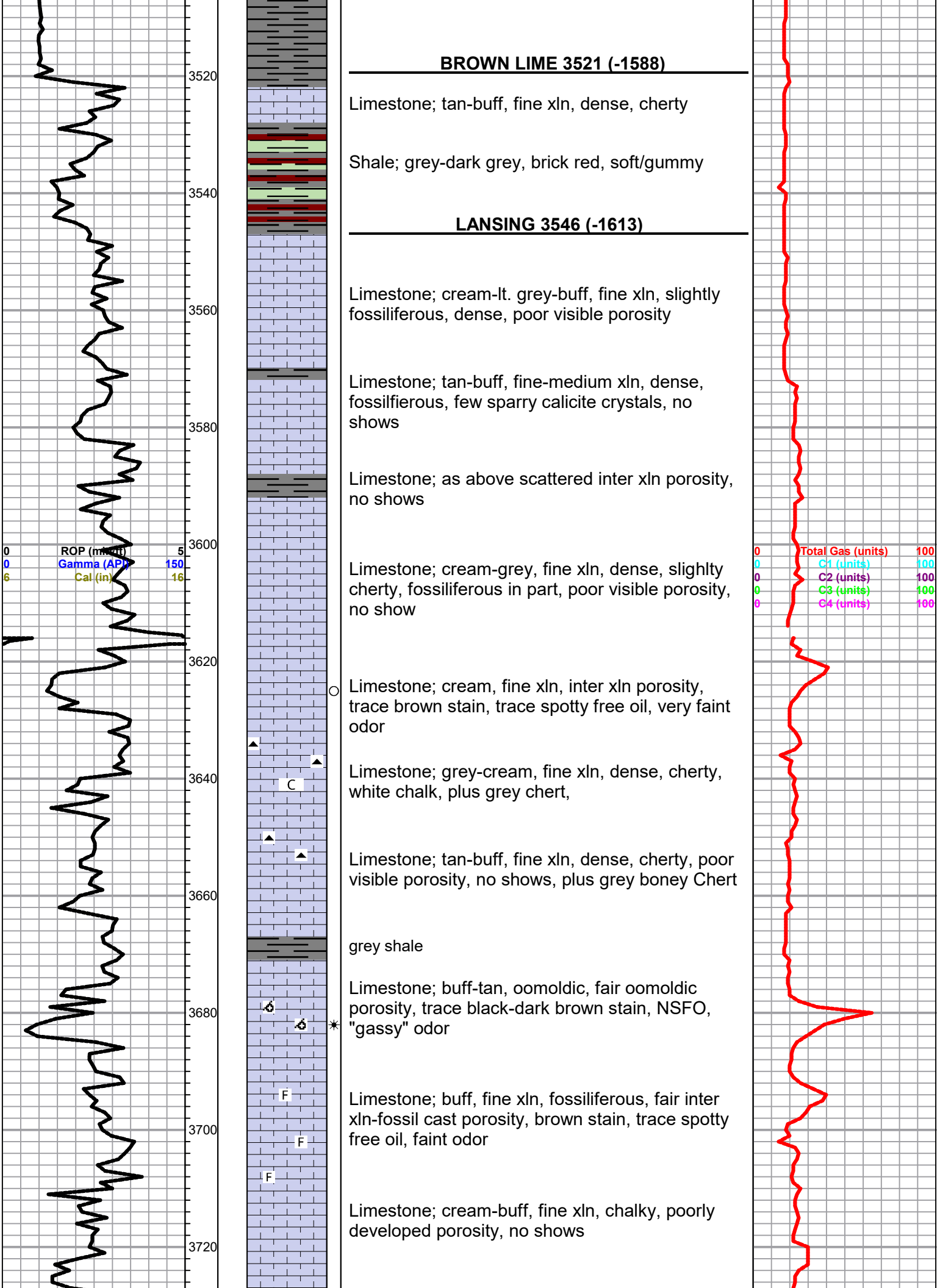
Shale; grey-green, micaceous, pyritic in part

Shale; as above

Shale; grey, slighlty micaceous

Shale; grey-green, micaceous, slighlty silty in part

Shale; grey-dark grey



BROWN LIME 3521 (-1588)

Limestone; tan-buff, fine xln, dense, cherty

Shale; grey-dark grey, brick red, soft/gummy

LANSING 3546 (-1613)

Limestone; cream-lt. grey-buff, fine xln, slightly fossiliferous, dense, poor visible porosity

Limestone; tan-buff, fine-medium xln, dense, fossilfierous, few sparry calicite crystals, no shows

Limestone; as above scattered inter xln porosity, no shows

Limestone; cream-grey, fine xln, dense, slighlty cherty, fossiliferous in part, poor visible porosity, no show

Limestone; cream, fine xln, inter xln porosity, trace brown stain, trace spotty free oil, very faint odor

Limestone; grey-cream, fine xln, dense, cherty, white chalk, plus grey chert,

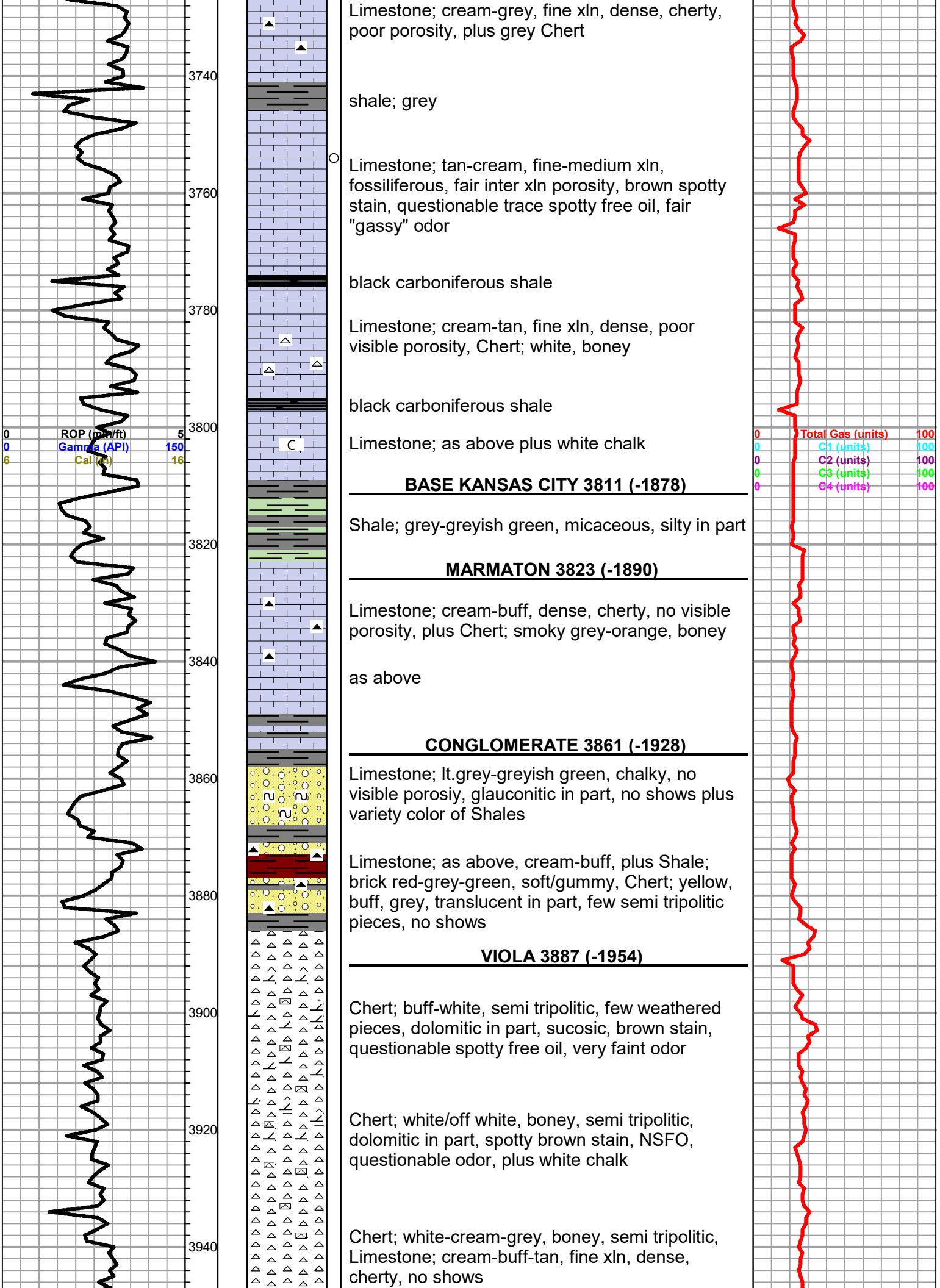
Limestone; tan-buff, fine xln, dense, cherty, poor visible porosity, no shows, plus grey boney Chert

grey shale

Limestone; buff-tan, oomoldic, fair oomoldic porosity, trace black-dark brown stain, NSFO, "gassy" odor

Limestone; buff, fine xln, fossiliferous, fair inter xln-fossil cast porosity, brown stain, trace spotty free oil, faint odor

Limestone; cream-buff, fine xln, chalky, poorly developed porosity, no shows



Limestone; cream-grey, fine xln, dense, cherty, poor porosity, plus grey Chert

shale; grey

Limestone; tan-cream, fine-medium xln, fossiliferous, fair inter xln porosity, brown spotty stain, questionable trace spotty free oil, fair "gassy" odor

black carboniferous shale

Limestone; cream-tan, fine xln, dense, poor visible porosity, Chert; white, boney

black carboniferous shale

Limestone; as above plus white chalk

BASE KANSAS CITY 3811 (-1878)

Shale; grey-greyish green, micaceous, silty in part

MARMATON 3823 (-1890)

Limestone; cream-buff, dense, cherty, no visible porosity, plus Chert; smoky grey-orange, boney

as above

CONGLOMERATE 3861 (-1928)

Limestone; lt.grey-greyish green, chalky, no visible porosiy, glauconitic in part, no shows plus variety color of Shales

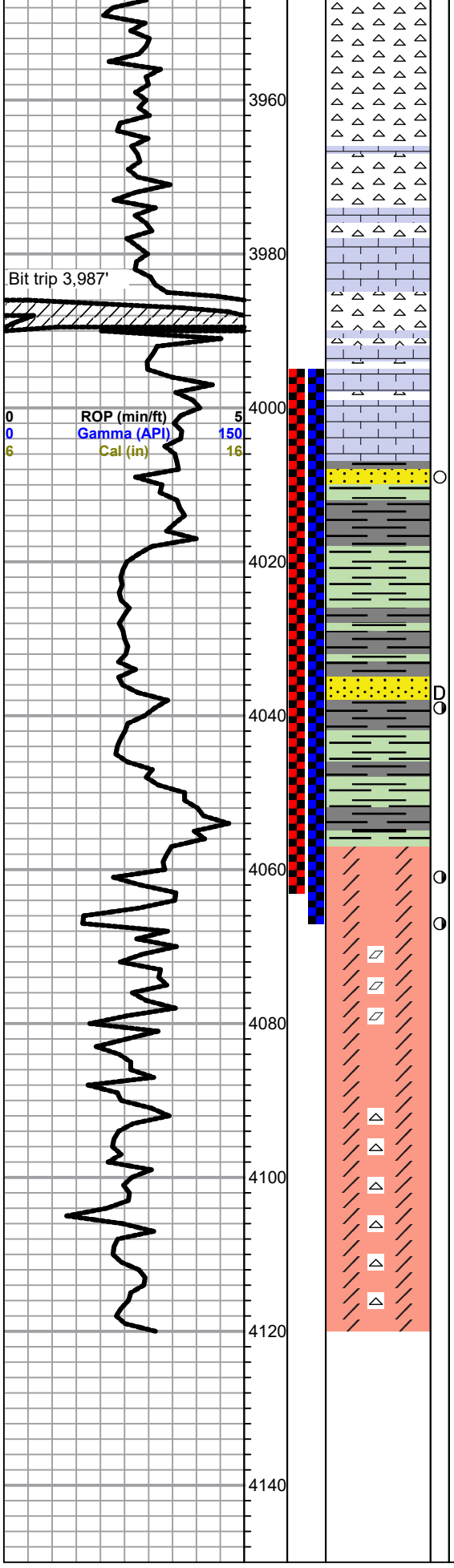
Limestone; as above, cream-buff, plus Shale; brick red-grey-green, soft/gummy, Chert; yellow, buff, grey, translucent in part, few semi tripolitic pieces, no shows

VIOLA 3887 (-1954)

Chert; buff-white, semi tripolitic, few weathered pieces, dolomitic in part, sucosic, brown stain, questionable spotty free oil, very faint odor

Chert; white/off white, boney, semi tripolitic, dolomitic in part, spotty brown stain, NSFO, questionable odor, plus white chalk

Chert; white-cream-grey, boney, semi tripolitic, Limestone; cream-buff-tan, fine xln, dense, cherty, no shows



Chert as above, plus Limestone; cream, fine xln, chalky, plus white chalk

Limestone; cream-tan, fine xln, dense, cherty, poor visible porosity, plus white chalk

Chert; white, translucent, boney, plus Limestone; cream, fine xln, dense

SIMPSON 4008 (-2075)

Sand; cream-tan, poorly sorted, loose unconsolidated quartz, spotty brown stain, questionable trace spotty free oil (2 pcs), no odor

Shale; green, waxey, grey-green, micaceous in part

Shale; grey-green

Sand; clear, sub rounded, sub angular, fair inter granular porosity, black-brown stain, spotty SFO, fair-good odor

ARBUCKLE 4056 (-2123)

Dolomite; lt. grey-tan, fine-medium xln, slighlty sucrosic in part, inter xln porosity, brown stain, spotty SFO, good odor

Dolomite; grey, sucrosic, dense, fair vuggy porosity in part, fair-good SFO when sample broke, fair odor

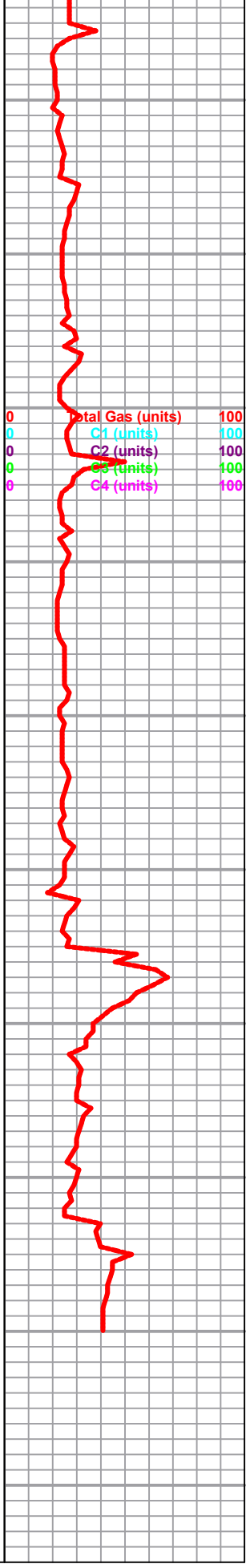
Dolomite; tan-lt. grey, fine-medium xln, few rhombic, sucrosic in part, fair inter xln porosity, black-brown spotty stain, trace free oil, good odor

Dolomite; grey-cream-buff, fine-medium xln, fair-good inter xln-vuggy porosity, trace spotty tain, NSFO, fair-good odor, plus lt. grey boney Chert

Dolomite; cream-tan, fine xln, sucrosic, few inter xln-vuggy porosity, no shows plus grey boney chert

Dolomite; cream-tan, fine xln, dense, poorly developed porosity, plus Chert as above

ROTARY TOTAL DEPTH 4120 (-2187)



Quality Well Service, Inc.

PO Box 468
Pratt, KS 67124

Invoice

Date	Invoice #
1/2/2020	C-2236

Bill To
Thomas Garner 305 E. 7th St. John, KS 67578-1652

P.O. No.	Terms	Lease Name
		Shrack Unit #1

Description	Qty	Rate	Amount
8 5/8 Wooden Plug	1	120.00	120.00T
Head & Manifold	1	250.00	250.00T
Common	210	15.50	3,255.00
Poz	140	9.50	1,330.00
Gel	602	0.22	132.44
Calcium	903	1.20	1,083.60
Flo-Seal	175	3.70	647.50
SFC 0-500'	1	600.00	600.00
Handling	374	2.10	785.40
.08 * sacks * miles	7,480	0.08	598.40
Service Supervisor	1	150.00	150.00
LMV	20	3.75	75.00
Heavy Equipment Mileage	40	8.00	320.00
Customer Discount		-1,402.10	-1,402.10
Discount Expires after30 days from the date of the invoice		0.00	0.00
Shrack Unit #1 Stafford Co.			

Thank You for your business!

Subtotal	$7,945.24
Sales Tax (7.5%)	$23.59
Total	$7,968.83

QUALITY WELL SERVICE, INC.

7307

Federal Tax I.D. # 481187368
Home Office 30060 N. Hwy 281, Pratt, KS 67124
Mailing Address P.O. Box 468

Office 620-727-3410
Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date 12-23-19	Sec. 20	Twp. 24S	Range 13W	County STAFFORD	State KS	On Location	Finish

Lease SHRACK Unit | Well No. #1 | Location 2E1-50 to 2W 1/4 S Into

Contractor STERLING Drlg Rig #4

Type Job Surface

Hole Size 12¼ | T.D. 310'

Csg. 8⅝ 24# | Depth 307'

Tbg. Size | Depth

Tool | Depth

Cement Left in Csg. | Shoe Joint 25'

Meas Line | Displace 17.94 Bbls

EQUIPMENT

		No.
Pumptrk	8	
Bulktrk	11	
Bulktrk		
Pickup		

JOB SERVICES & REMARKS

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Ran 7 Jts 8⅝ 24# CSG SET @ 307'
START CSG CSG on Bottom
Hook up to CSG & BREAK CIRC W/ RIG
START Pumping 10 Bbls H2O
START MIX & Pump 350 sx 60/40
2% GEL 3% CC ½# PS @ 14.7 #/GAL
SHUT DOWN RELEASE 8⅝ WOODEN PLUG
START DISP
PLUG DOWN 17.94 Bbls 150#
Close Valve on CSG
Good CIRC thru JOB
CIRC CMT TO PIT

Thank You
PLEASE CALL AGAIN
TOM TJ JAKE

X Signature

To Quality Well Service, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Owner

Charge To THOMAS GARNER INC

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 350 sx 60/40 2% GEL 3% CC ½# PS

Common	210 sx	
Poz. Mix	140 sx	
Gel.	602 #	
Calcium	903 #	
Hulls		
Salt		
Flowseal	175 #	
Kol-Seal		
Mud CLR 48		
CFL-117 or CD110 CAF 38		
Sand		
Handling	374	
Mileage	2 @ 7.80	

8⅝ FLOAT EQUIPMENT

Guide Shoe	HEAD & MANIFOLD 1 EA
Centralizer	8⅝ WOODEN PLUG 1 EA
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
SERVICE SUPV	1 EA
LMV 20	
Pumptrk Charge	SURFACE
Mileage	40
Tax	
Discount	
Total Charge	

Taylor Printing, Inc.

Quality Well Service, Inc.

PO Box 468
Pratt, KS 67124

Invoice

Date	Invoice #
1/9/2020	C-2241

Bill To
Thomas Garner 305 E. 7th St. John, KS 67578-1652

P.O. No.	Terms	Lease Name
		Shrack Unit #1

Description	Qty	Rate	Amount
Common	132	15.50	2,046.00T
Poz	88	9.50	836.00T
Gel	757	0.22	166.54T
Plug/Pump Charge	1	950.00	950.00T
Handling	228	2.10	478.80T
.08 * sacks * miles	4,560	0.08	364.80T
Service Supervisor	1	150.00	150.00T
LMV	20	3.75	75.00T
Heavy Equipment Mileage	40	8.00	320.00T
Customer Discount		-808.07	-808.07
Discount Expires after30 days from the date of the invoice		0.00	0.00
Shrack Unit #1 Stafford Co.			

Thank You for your business!

Subtotal	$4,579.07
Sales Tax (7.5%)	$343.43
Total	$4,922.50

QUALITY WELL SERVICE, INC.

7311

Federal Tax I.D. # 481187368
Home Office 30060 N. Hwy 281, Pratt, KS 67124
Mailing Address P.O. Box 468

Office 620-727-3410
Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
2-3-20	20	24S	13W	STAFFORD	Ks		

Lease SHRACK Unit | Well No. #1 | Location 281-50 Jct 2 W to 10 Rd

Contractor STERLING Drlg Rig #4 | Owner 1/4 S W into

Type Job PTA

To Quality Well Service, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 7 7/8 | T.D. 4120

Csg. | Depth

Charge To THOMAS GARNER INC

Tbg. Size 4 1/2 D.P | Depth

Street

Tool | Depth

City | State

Cement Left in Csg. | Shoe Joint

The above was done to satisfaction and supervision of owner agent or contractor.

Meas Line | Displace

Cement Amount Ordered 220 sx 60/40 4% GEL

EQUIPMENT

	No.		
Pumptrk 8	No.		
Bulktrk 15	No.		
Bulktrk	No.		
Pickup	No.		

JOB SERVICES & REMARKS

Rat Hole 30 sx
Mouse Hole 20 sx
Centralizers
Baskets
D/V or Port Collar 4056'
1st PLUG @ 50 sx 60/40 4% GEL
Pump H2O
Mix'! Pump 50 sx 60/40 4% GEL
Pump H2O
Pump mud w/RIG
2nd PLUG 810' 50 sx 60/40 4% Gel
Pump H2O
Mix'! Pump 50 sx 60/40 4% GEL
Pump H2O
3rd PLUG 360' 50 sx 60/40 4% GEL
Pump H2O
Mix'! Pump 50 sx 60/40 4% GEL
Disp H2O
Thank YOU
PLEASE Call AGAIN
Todd TJ JAKE Mike

X
Signature [signature]

Common 132 sx	
Poz. Mix 88 sx	
Gel. 757#	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling 228	
Mileage 20/4560	
FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
SERVICE Supv 1 EA	
LMV 20	
Pumptrk Charge PTA	
Mileage 40	
Tax	
Discount	
Total Charge	

DRILL STEM TEST REPORT

Prepared For: **Thomas Garner Inc**

305 E 7th
St John, KS 67576

ATTN: Josh Austin

Schrack Unit #1

20-24S-13W Stafford, KS

Start Date: 2020.01.01 @ 23:32:00
End Date: 2020.01.02 @ 06:08:02
Job Ticket #: 65483 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.01.03 @ 11:09:49

DRILL STEM TEST REPORT

Thomas Garner Inc

305 E 7th
St John, KS 67576

ATTN: Josh Austin

20-24S-13W Stafford, KS

Schrack Unit #1

Job Ticket: 65483 **DST#: 1**

Test Start: 2020.01.01 @ 23:32:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:44:02
Time Test Ended: 06:08:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

Interval: 3995.00 ft (KB) To 4062.00 ft (KB) (TVD)
Total Depth: 4062.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

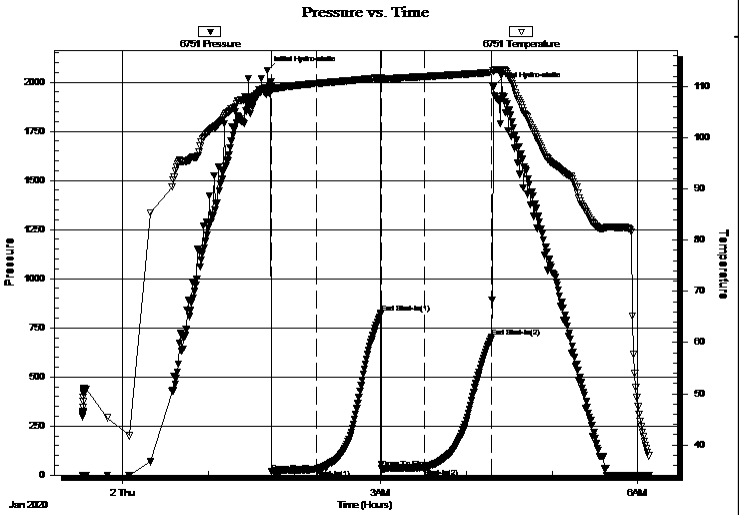
Reference Elevations: 1933.00 ft (KB)
1922.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6751 **Outside**

Press@RunDepth: 36.80 psig @ 3996.00 ft (KB)
Start Date: 2020.01.01 End Date: 2020.01.02
Start Time: 23:32:01 End Time: 06:08:02

Capacity: psig
Last Calib.: 2020.01.02
Time On Btm: 2020.01.02 @ 01:41:17
Time Off Btm: 2020.01.02 @ 04:18:47

TEST COMMENT: IF: Weak Blow , Built to 3 1/2"
ISI: No Blow Back
FF: Weak Blow , Built to 2 3/4"
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2060.14	109.75	Initial Hydro-static
3	16.82	109.33	Open To Flow (1)
35	29.68	110.60	Shut-In(1)
80	826.64	111.67	End Shut-In(1)
80	32.52	111.52	Open To Flow (2)
110	36.80	111.93	Shut-In(2)
157	702.09	112.77	End Shut-In(2)
158	1975.52	113.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 30%O 70%M	0.30

Gas Rates

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

DRILL STEM TEST REPORT

Thomas Garner Inc

305 E 7th
St John, KS 67576

ATTN: Josh Austin

20-24S-13W Stafford, KS

Schrack Unit #1

Job Ticket: 65483 **DST#: 1**

Test Start: 2020.01.01 @ 23:32:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:44:02
Time Test Ended: 06:08:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

Interval: 3995.00 ft (KB) To 4062.00 ft (KB) (TVD)
Total Depth: 4062.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

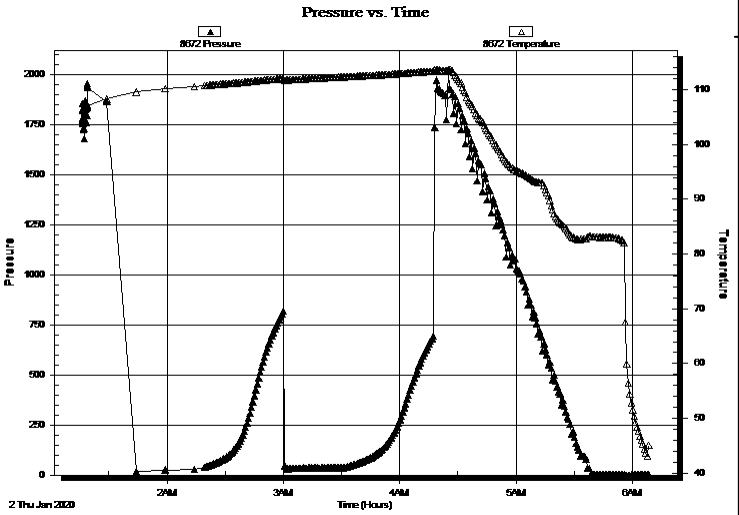
Reference Elevations: 1933.00 ft (KB)
1922.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: psig @ 3996.00 ft (KB)
Start Date: 2020.01.02 End Date: 2020.01.02
Start Time: 01:16:32 End Time: 06:08:33

Capacity: psig
Last Calib.: 2020.01.02
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak Blow , Built to 3 1/2"
ISI: No Blow Back
FF: Weak Blow , Built to 2 3/4"
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 30%O 70%M	0.30

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Thomas Garner Inc

305 E 7th
St John, KS 67576

ATTN: Josh Austin

20-24S-13W Stafford, KS

Schrack Unit #1

Job Ticket: 65483 **DST#: 1**

Test Start: 2020.01.01 @ 23:32:00

Tool Information

Drill Pipe:	Length:	3793.00 ft	Diameter:	3.80	inches	Volume:	53.21	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	214.00 ft	Diameter:	2.25	inches	Volume:	1.05	bbl	
						Total Volume:	54.26	bbl	

Drill Pipe Above KB:	31.00 ft
Depth to Top Packer:	3995.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	67.00 ft
Tool Length:	86.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2100.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		90000.00 lb
Tool Chased		ft
String Weight:	Initial	72000.00 lb
	Final	72000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3981.00		
Hydraulic tool	5.00			3986.00		
Packer	5.00			3991.00	19.00	Bottom Of Top Packer
Packer	4.00			3995.00		
Stubb	1.00			3996.00		
Recorder	0.00	8672	Inside	3996.00		
Recorder	0.00	6751	Outside	3996.00		
Perforations	4.00			4000.00		
Change Over Sub	1.00			4001.00		
Drill Pipe	32.00			4033.00		
Change Over Sub	1.00			4034.00		
Perforations	25.00			4059.00		
Bullnose	3.00			4062.00	67.00	Bottom Packers & Anchor
Total Tool Length:	**86.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Thomas Garner Inc

305 E 7th
St John, KS 67576

ATTN: Josh Austin

20-24S-13W Stafford, KS

Schrack Unit #1

Job Ticket: 65483 **DST#: 1**

Test Start: 2020.01.01 @ 23:32:00

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:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

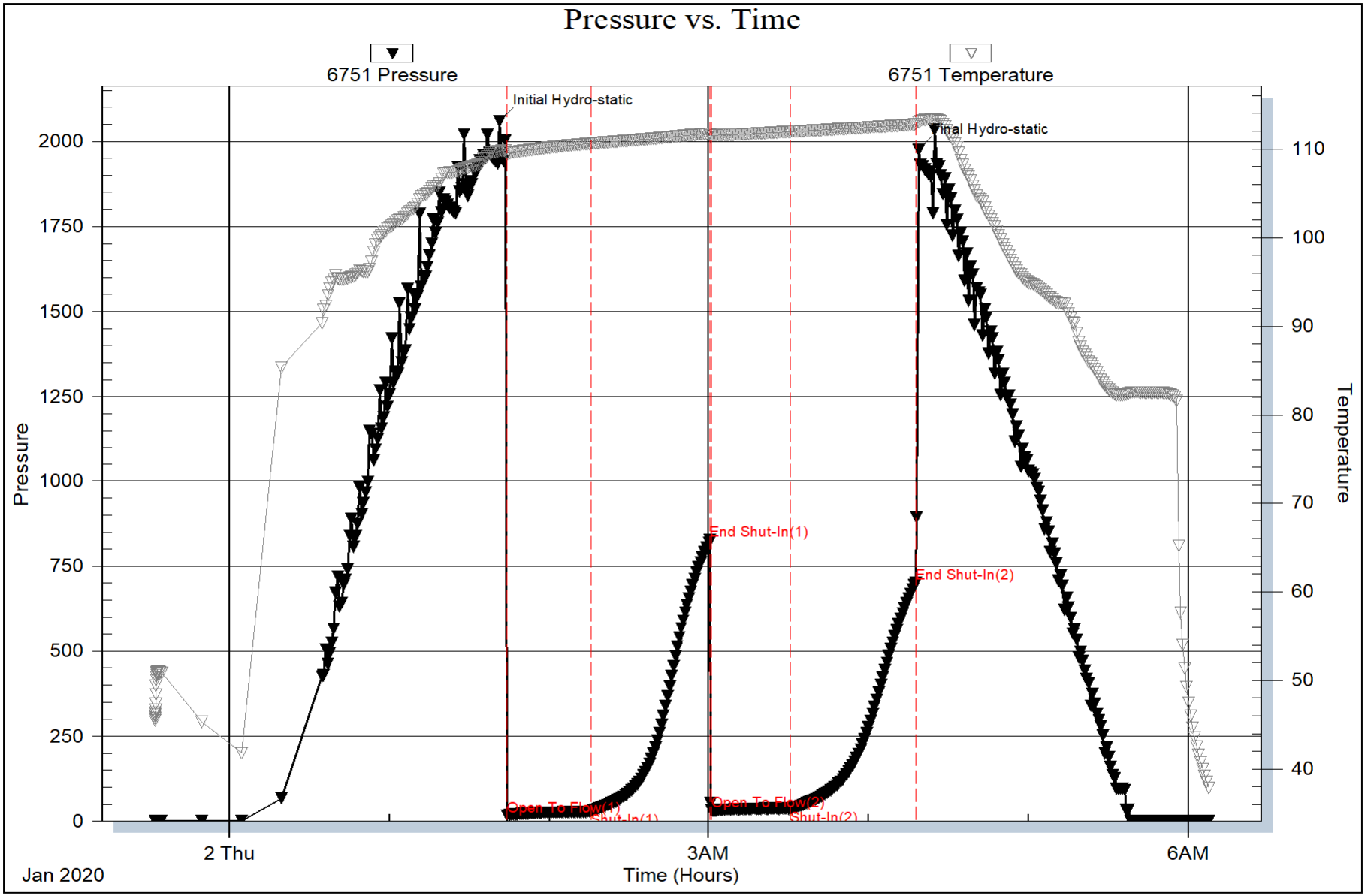
Recovery Table

Length ft	Description	Volume bbl
60.00	OCM 30%O 70%M	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

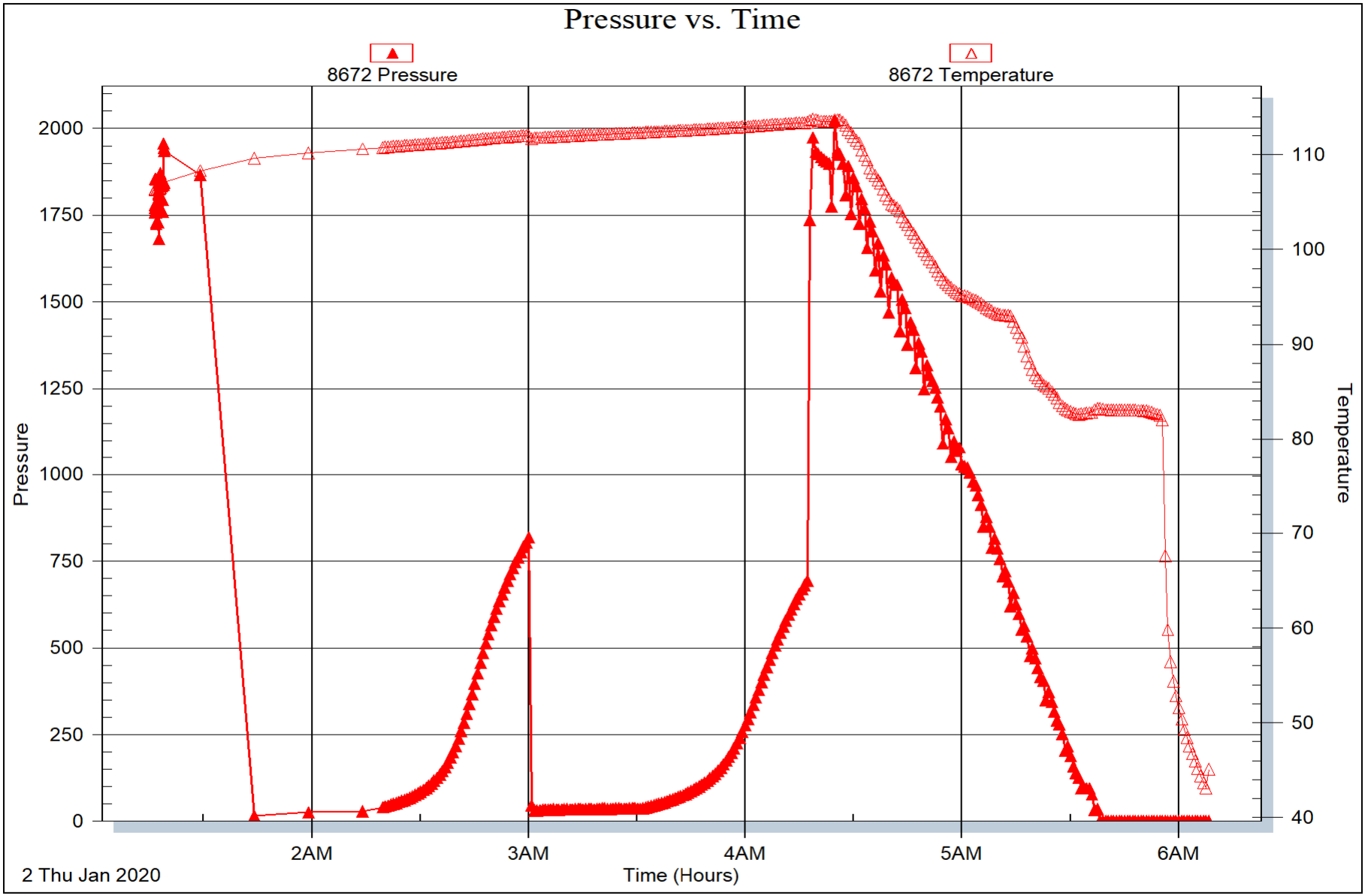
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6751 **Outside** Thomas Garner Inc Schrack Unit #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 65483 Printed: 2020.01.03 @ 11:09:50

Serial #: 8672 **Inside** Thomas Garner Inc Schrack Unit #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 65483 Printed: 2020.01.03 @ 11:09:50

DRILL STEM TEST REPORT

Prepared For: **Thomas Garner Inc**

305 E 7th
St John, KS 67576

ATTN: Josh Austin

Schrack Unit #1

20-24S-13W Stafford, KS

Start Date: 2020.01.02 @ 12:08:00

End Date: 2020.01.02 @ 18:46:02

Job Ticket #: 65484 DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2020.01.03 @ 11:09:15

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Thomas Garner Inc

305 E 7th
St John, KS 67576

ATTN: Josh Austin

20-24S-13W Stafford, KS

Schrack Unit #1

Job Ticket: 65484 **DST#: 2**

Test Start: 2020.01.02 @ 12:08:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:39:47
Time Test Ended: 18:46:02

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 3994.00 ft (KB) To 4066.00 ft (KB) (TVD)
Total Depth: 4066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

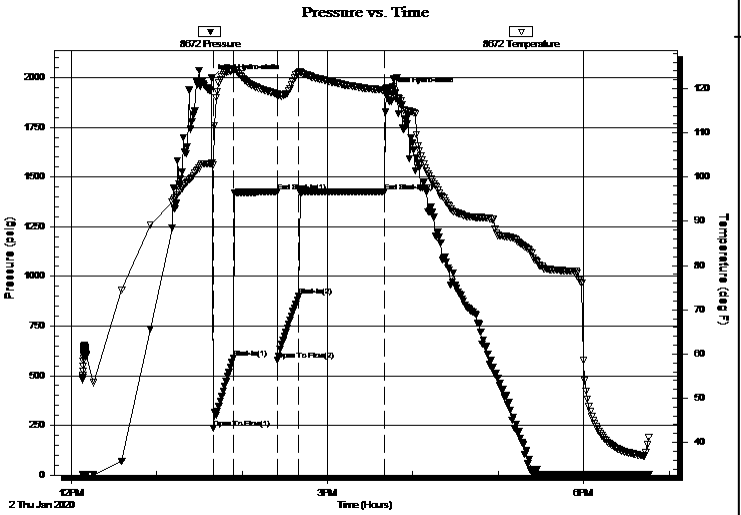
Reference Elevations: 1933.00 ft (KB)
1922.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 899.24 psig @ 3995.00 ft (KB)
Start Date: 2020.01.02 End Date: 2020.01.02
Start Time: 12:08:01 End Time: 18:46:02

Capacity: psig
Last Calib.: 2020.01.02
Time On Btm: 2020.01.02 @ 13:38:47
Time Off Btm: 2020.01.02 @ 15:41:17

TEST COMMENT: IF: Strong Blow , BOB in 90 seconds, Built to 129"
ISI: No Blow Back
FF: Strong Blow , BOB in 2 minutes, Built to 133"
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1996.81	103.12	Initial Hydro-static
1	236.85	102.80	Open To Flow (1)
15	589.88	124.11	Shut-In(1)
46	1423.67	118.81	End Shut-In(1)
47	578.13	118.44	Open To Flow (2)
61	899.24	123.61	Shut-In(2)
122	1424.51	119.68	End Shut-In(2)
123	1929.23	120.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
882.00	Water	10.42
1008.00	MCW 30%M 70%W	14.14

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Thomas Garner Inc

305 E 7th
St John, KS 67576

ATTN: Josh Austin

20-24S-13W Stafford, KS

Schrack Unit #1

Job Ticket: 65484 **DST#: 2**

Test Start: 2020.01.02 @ 12:08:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:39:47
Time Test Ended: 18:46:02

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 3994.00 ft (KB) To 4066.00 ft (KB) (TVD)
Total Depth: 4066.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

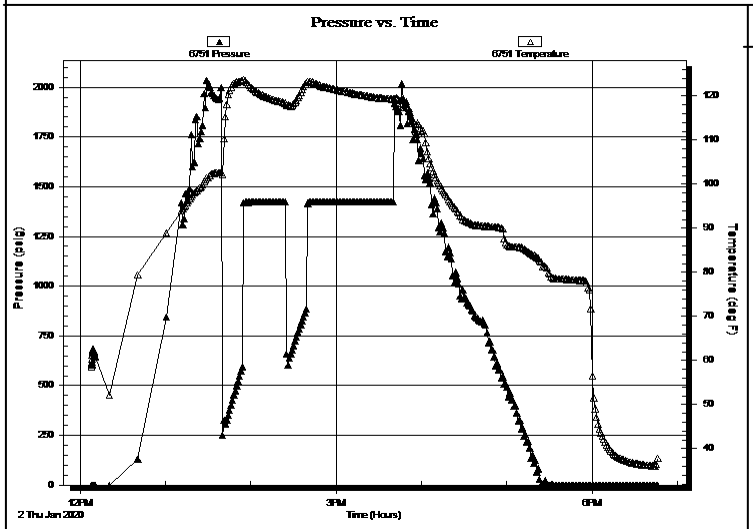
Reference Elevations: 1933.00 ft (KB)
1922.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6751 **Outside**

Press@RunDepth: psig @ 3995.00 ft (KB)
Start Date: 2020.01.02 End Date: 2020.01.02
Start Time: 12:08:01 End Time: 18:46:02

Capacity: psig
Last Calib.: 2020.01.02
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 90 seconds, Built to 129"
ISI: No Blow Back
FF: Strong Blow , BOB in 2 minutes, Built to 133"
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
882.00	Water	10.42
1008.00	MCW 30%M 70%W	14.14

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Thomas Garner Inc

305 E 7th
St John, KS 67576

ATTN: Josh Austin

20-24S-13W Stafford, KS

Schrack Unit #1

Job Ticket: 65484 **DST#: 2**

Test Start: 2020.01.02 @ 12:08:00

Tool Information

Drill Pipe:	Length:	3793.00 ft	Diameter:	3.80	inches	Volume:	53.21	bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	214.00 ft	Diameter:	2.25	inches	Volume:	1.05	bbl	Weight to Pull Loose:	90000.00 lb
						Total Volume:	54.26	bbl	Tool Chased	ft
Drill Pipe Above KB:		32.00 ft							String Weight: Initial	72000.00 lb
Depth to Top Packer:		3994.00 ft							Final	80000.00 lb
Depth to Bottom Packer:		ft								
Interval betw een Packers:		72.00 ft								
Tool Length:		91.00 ft								
Number of Packers:		2	Diameter:	6.75	inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3980.00		
Hydraulic tool	5.00			3985.00		
Packer	5.00			3990.00	19.00	Bottom Of Top Packer
Packer	4.00			3994.00		
Stubb	1.00			3995.00		
Recorder	0.00	8672	Inside	3995.00		
Recorder	0.00	6751	Outside	3995.00		
Perforations	9.00			4004.00		
Change Over Sub	1.00			4005.00		
Drill Pipe	32.00			4037.00		
Change Over Sub	1.00			4038.00		
Perforations	25.00			4063.00		
Bullnose	3.00			4066.00	72.00	Bottom Packers & Anchor
Total Tool Length:	**91.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Thomas Garner Inc

305 E 7th
St John, KS 67576

ATTN: Josh Austin

20-24S-13W Stafford, KS

Schrack Unit #1

Job Ticket: 65484 **DST#: 2**

Test Start: 2020.01.02 @ 12:08:00

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:	44000 ppm
Viscosity:	70.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
882.00	Water	10.423
1008.00	MCW 30%M 70%W	14.140

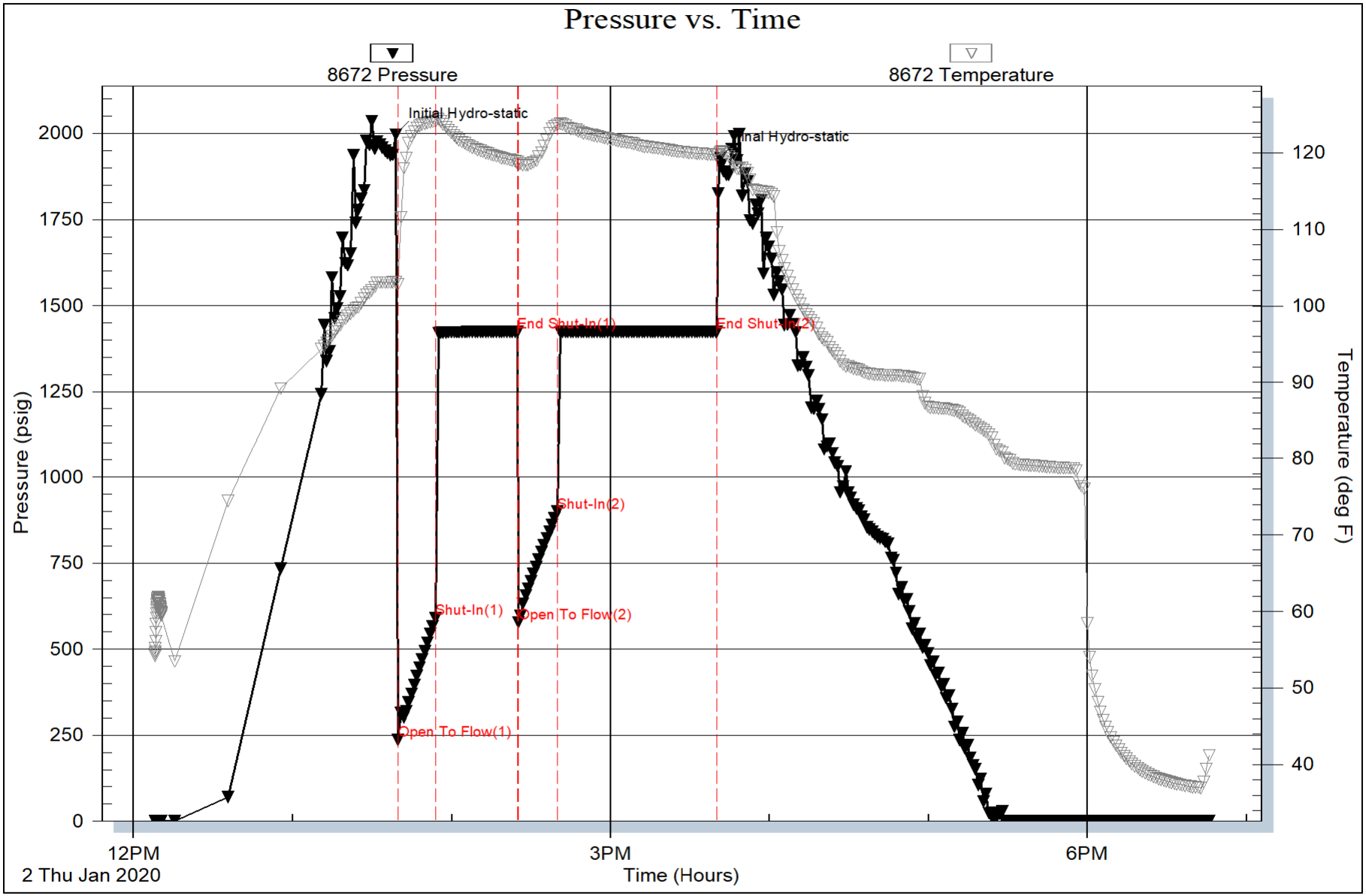
Total Length: 1890.00 ft Total Volume: 24.563 bbl

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

Laboratory Name: Laboratory Location:

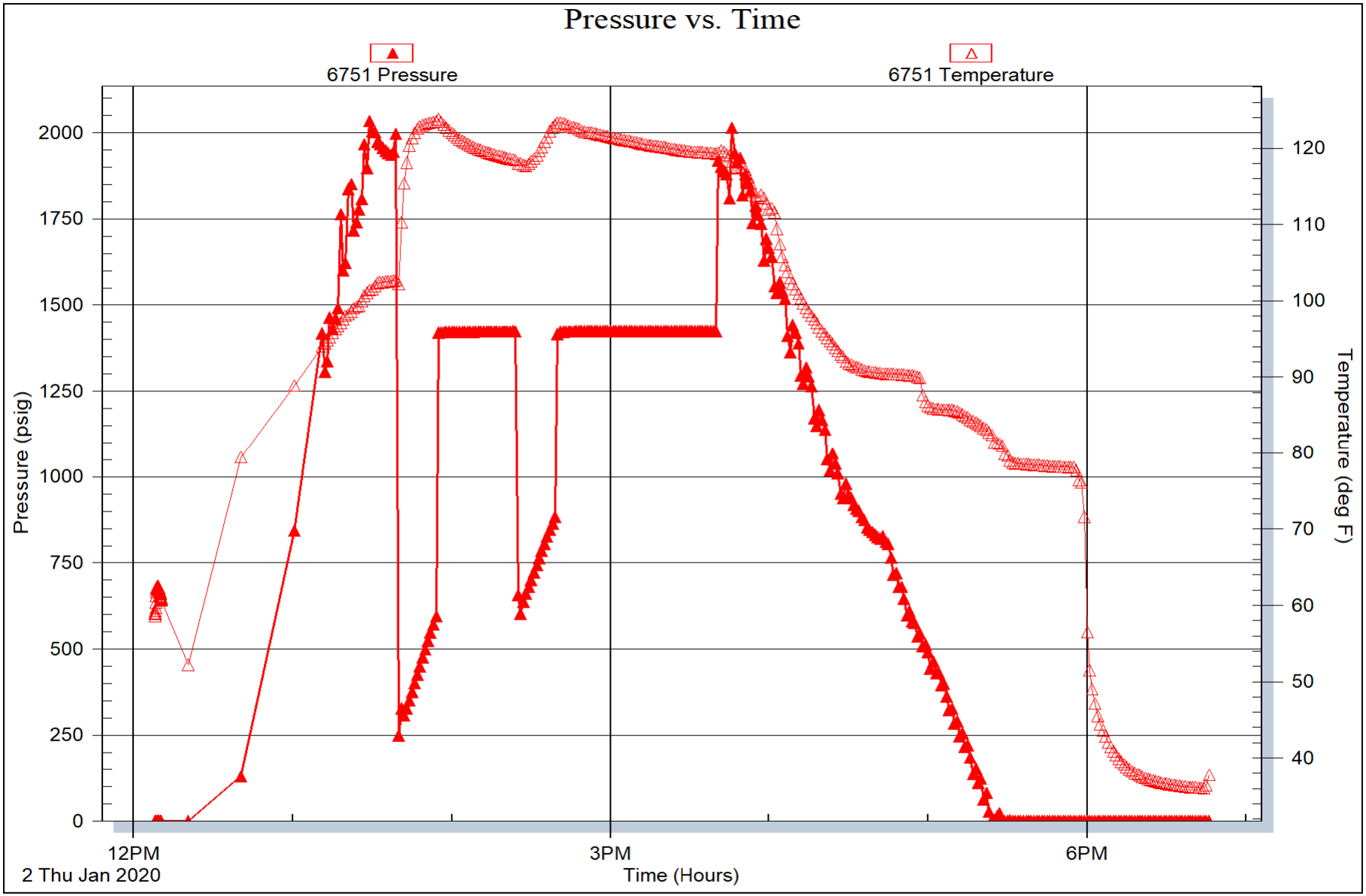
Recovery Comments: RW w as .23 @ 52 degrees

Serial #: 8672 **Inside** Thomas Garner Inc Schrack Unit #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 65484 Printed: 2020.01.03 @ 11:09:16

Serial #: 6751 **Outside** Thomas Garner Inc Schrack Unit #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 65484 Printed: 2020.01.03 @ 11:09:16

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 65483

Well Name & No. Schrack Unit 1 Test No. 1 Date 01/01/20

Company Thomas Garner Inc Elevation 1933 KB 1922 GL

Address 305 E 7th ST John, KS 67576

Co. Rep / Geo. Josh Austin Rig Sterling 4

Location: Sec. 20 Twp 24S Rge. 13W Co. Stafford State KS

Interval Tested 3995 - 4062 Zone Tested Arbuckle

Anchor Length 67 Drill Pipe Run 3793 Mud Wt. 9.4

Top Packer Depth 3990 Drill Collars Run 214 Vis 60

Bottom Packer Depth 3995 Wt. Pipe Run 0 WL 8.0

Total Depth 4062 Chlorides 5000 ppm System LCM

Blow Description IF: Weak Blow, Built to 3 1/2 inches

ISI: No Blow Back

FF: Weak Blow, Built to 2 3/4 inches

FSI: No Blow Back

Rec 60	Feet of OCM	%gas	30 %oil	%water 70	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 113 Gravity N/C API RW N/C @ N/C F Chlorides N/C ppm

(A) Initial Hydrostatic 2060	☑ Test 1200	T-On Location 22:45
(B) First Initial Flow 19	☐ Jars	T-Started 23:32
(C) First Final Flow 30	☐ Safety Joint	T-Open 01:44
(D) Initial Shut-In 827	☐ Circ Sub	T-Pulled 04:17
(E) Second Initial Flow 32	☑ Hourly Standby N/A	T-Out 06:08
(F) Second Final Flow 37	☑ Mileage 40 40	Comments
(G) Final Shut-In 702	☐ Sampler	
(H) Final Hydrostatic 1975	☐ Straddle	☐ EM Tool
	☐ Shale Packer	☐ Ruined Shale Packer
Initial Open 30	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In 45	☐ Extra Recorder	☐ Extra Copies
Final Flow 30	☐ Day Standby	Sub Total
Final Shut-In 45	☐ Accessibility	Total
	Sub Total 1240	MP/DST Disc't

Approved By [signature] Our Representative [signature]

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 65484

Well Name & No. Schrack Unit 1 Test No. 2 Date 01/02/20

Company Thomas Garner Inc Elevation 1933 KB 1922 GL

Address 305 E 7th ST John, KS 67576

Co. Rep / Geo. Josh Austin Rig Sterling 4

Location: Sec. 20 Twp 24S Rge. 13W Co. Stafford State KS

Interval Tested 3994 – 4066 Zone Tested Arbuckle

Anchor Length 72 Drill Pipe Run 3793 Mud Wt. 9.4

Top Packer Depth ~~3989~~ 3989 Drill Collars Run 214 Vis 70

Bottom Packer Depth 3994 Wt. Pipe Run 0 WL 8.8

Total Depth 4066 ~~4066~~ Chlorides 6000 ppm System LCM

Blow Description IF: Strong Blow, BOB in 90 seconds, Built to 129 inches

ISI: NO Blow Back

FF: Strong Blow, BOB in 2 minutes, Built to 133 inches

FSI: NO Blow Back

Rec 1008	Feet of MCW	%gas	%oil 70	%water 30	%mud	
Rec 882	Feet of water	%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 1890 BHT 124 Gravity N/C API RW .23 @ 52 °F Chlorides 44000 ppm

(A) Initial Hydrostatic 1997	☑ Test 1200	T-On Location 11:45	
(B) First Initial Flow 237	☐ Jars	T-Started 12:08	
(C) First Final Flow 590	☐ Safety Joint	T-Open 13:39	
(D) Initial Shut-In 1424	☐ Circ Sub	T-Pulled 15:40	
(E) Second Initial Flow 577	☐ Hourly Standby	T-Out 18:46	
(F) Second Final Flow 899	☑ Mileage 40 40	Comments	
(G) Final Shut-In 1424	☐ Sampler		
(H) Final Hydrostatic 1929	☐ Straddle	☐ EM Tool	
	☐ Shale Packer	☐ Ruined Shale Packer	
Initial Open 15	☐ Extra Packer	☐ Ruined Packer	
Initial Shut-In 30	☐ Extra Recorder	☐ Extra Copies	
Final Flow 15	☐ Day Standby	Sub Total 0	
Final Shut-In 60	☐ Accessibility	Total 1240	
	Sub Total 1240	MP/DST Disc't	

Approved By Our Representative

Trilobite Testing Inc. shall not be liable for damages 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.