KOLAR Document ID: 1457991

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 # 3911
Name: Rama Operating Co., Inc.
Address 1: 101 S MAIN ST
Address 2:
City: STAFFORD State: KS Zip: 67578 + 1429
Contact Person: Robin L. Austin
Phone: (620) 234-5191
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 #:

04/10/2019 Spud Date or Recompletion Date
04/18/2019 Date Reached TD
5/02/2019 Completion Date or Recompletion Date

API No.: 15-185-24042-00-00
Spot Description:
SE - NE - NW - NE Sec. 28 Twp. 23 S. R. 12 ☐ East ☑ West
510 Feet from ☑ North / ☐ South Line of Section
1360 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: J. MEYER Well #: 3-28
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 1984 Kelly Bushing: 1995
Total Vertical Depth: 3950 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: 7100 ppm Fluid volume: 480 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Pauls Oilfield
Lease Name: Beckerdite License #: 31085
Quarter SW Sec. 21 Twp. 23 S. R. 13 ☐ East ☑ West
County: Stafford Permit #: D26547

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: 07/18/2019
☐ **Confidential Release Date:** 07/17/2021
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 07/18/2019

Page Two

Operator Name: Rama Operating Co., Inc. Lease Name: J. MEYER Well #: 3-28

Sec. 28 Twp. 23 S. R. 12 ☐ 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:

DUCP
DIL
MEL

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

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☐ New ☑ Used

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

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.250	8.625	23	315	60/40	488	2% gel 3% CC
Production	7.875	5.5	14	3930	AA-2	175	2% CC

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: 6/19/2019	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* submersible					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
		Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	3844	3846

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)*
2	3855	3857	CIBP Cast Iron Bridge Plug	3852	
2	3844	3846			

TUBING RECORD: Size: 2.875 Set At: 3360 Packer At:

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

Form	ACO1 - Well Completion
Operator	Rama Operating Co., Inc.
Well Name	J. MEYER 3-28
Doc ID	1457991

Tops

Name	Top	Datum
Heebner	3220	-1352
Brown Lime	3365	-1497
Lansing	3390	-1522
Base Lansing	3640	-1772
Viola	3708	-1840
Simpson Shale	3759	-1891
Arbuckle	3822	-1954
RTD	3950	-2082

Form	ACO1 - Well Completion
Operator	Rama Operating Co., Inc.
Well Name	J. MEYER 3-28
Doc ID	1457991

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	12.250	8.625	23	315	60/40	488	2% gel 3% CC
Production	7.875	5.5	14	3930	AA-2	175	2% CC

BASIC energy services, L.P.

TREATMENT REPORT

Customer: Pama Operating Co.	Lease No.			Date: 4-11-2019	
Lease: J. Meyer	Well #: 3-28				
Field Order #:	Station: Pratt, KS. #1718	Casing	Depth	County: Stafford	State: KS.
Type Job: 8 5/8 surface		Formation		Legal Description: 28-23S-12W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 8 5/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 315'	Depth	From	To	Pre Pad	Max		5 Min.
Volume: 20 Bbls	Volume	From	To	Pad	Min		10 Min.
Max Press: 200	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative: Danny Salaiz | Station Manager: Justin Wesselman | Treater: Chad Bolding

Service Units		1959	1718								
Driver Names											

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					On Location + Rig up
					Run 315' 8 5/8 casing
1:15					Break circulation w/ Rig
	200		3	3	Pump 3 Bbls Freshwater
	200		80.51	5	Mix + Pump 375 sx 60/40/Poz + 3% cc + 1/4# Cello
					Cement in slips + wash valves + Release plug
	500		18 3/4		Displace with 18 3/4 Bbls water
7:30 AM					Leave 20' Cement in casing + Shut in.
					Cement circulate to Bot. Cellar

Taylor Printing, Inc. 620-672-3656

BASiC energy services, L.P.

TREATMENT REPORT

Customer	Lease No.	Date
Prima Operating	21	4-11-2019

Lease	Well #
J Meyer	3-28

Field Order #	Station	Casing	Depth	County	State
	Pratt KS. # 1718			Stafford	KS.

Type Job	Formation	Legal Description
Cement surface Top off		28-23S-12W

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME			
Casing Size 8 5/8	Tubing Size 1 inch	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth 315'	Depth 27'	From	To	Pre Pad	Max			5 Min.
Volume	Volume	From	To	Pad	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative	Station Manager	Treater
Lanny Saloga	Justin Westerman	Carl Balding

Service Units	27463	70952	21010						
Driver Names	Ron 6	Gerald	Dick						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					on Location
					Have JSA + Rig up
					Run 27' 1" tubing to top
					off annulus on surface casing
			2	1	Start with 2 Bbls Freshwater
10:40 AM	200		25	2	Mix 115 sx Class A + 2% cc
					Cement Circulate to surface
					+ Fill Cellar
11:00 AM					Wash up pump truck +
					wait 45 minutes to see if Cement
					Falls
					Cement Did not Fall
					Release From Location

BASIC energy services, L.P.

TREATMENT REPORT

Customer: RAMA Operating	Lease No.	Date: 4-18-19	
Lease: Jo Mayer	Well #: 3-28		
Field Order #: 14823	Station: Piatt	Casing: 5 1/2	Depth: 3950
County: STAFFORD	State: KS		
Type Job: 2-42 5 1/2" Long String	Formation: RTD + LTD	Legal Description: 28-23S-12W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 5 1/2	Tubing Size:	Shots/Ft:		Acid: 175 sks AA-2	RATE	PRESS	ISIP
Depth: 3919.59	Depth:	From:	To:	Pre Pad: 50 sx1	Max: 6.0/4.0 BPM	470	5 Min.
Volume: 95.6	Volume:	From:	To:	Pad:	Min:		10 Min.
Max Press: 1,500	Max Press:	From:	To:	Frac:	Avg:		15 Min.
Well Connection: P.C.	Annulus Vol.:	From:	To:		HHP Used:		Annulus Pressure
Plug Depth: 3893	Packer Depth:	From:	To:	Flush: 94.9	Gas Volume:		Total Load

Customer Representative: RANDY Ginest	Station Manager: Westerman			Treater: MATTAI						
Service Units	63353		77696	86779		70959	21016			
Driver Names	MATTAI		McGraw			Brown				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:30					On location / safety meeting
4:15					Run 5 1/2" csng
					Tubing on
6:10					csng on bottom
6:30					Hook to csng / Break circ w. Rig
7:24	300		5	5	Pump 5 bbl water
7:26	300		18	5	Pump 18 bbl mud flush
7:20	300		5	5	Pump 5 bbl water
7:22	260		46	5	Mix 175 sks AA-2 cmt
7:38	—		41	4.1	Wash pump + line / Drop plug
7:40	~~0~~ 180		—	~~180~~ 6.2	Start displacement
7:50	250		70	6.2	Lift pressure
7:53	510		85	4	Slow rate
7:55	1,500		94.9	—	Plug down / released + held
8:05			7+5		Plug rat + mouse hole
					Circulation thru job
					Job complete
					Thank You!
					Mike Mattai
					Mike + Nate
					Scotty

Taylor Printing, Inc. 620-672-3656

Joshua R. Austin

Petroleum Geologist

Report for

RAMA Operating CO., Inc

COMPANY: RAMA Operating Company, Inc.

LEASE: J. Meyer #3-28

FIELD: Bedford

LOCATION: SE-NE-NW-NE (510' FNL & 1360' FEL)

SEC: 28 TWSP: 23s RGE: 12w

COUNTY: Stafford STATE: Kansas

KB: 1868' GL: 1857'

API # 15-185-24042-00-00

CONTRACTOR: Sterling Drilling (rig #4)

Spud: 04/10/2019 Comp: 04/18/2019

RTD: 3950' LTD: 3950'

Mud Up: 2693' Type Mud: Chemical was displaced

Samples Saved From: 2800' to RTD

Drilling Time Kept From: 2800' to RTD

Samples Examined From: 2800' to RTD

Geological Supervision From: 2850' to RTD

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 315'

Production Casing: 5 1/2" @ 3930'

Electronic Surveys: By Pioneer Energy Services

NOTES

On the basis of the positive structure, shows in the samples and drill stem test, it was recommended by all parties involved in the J. Meyer 3-28 to run 5 1/2" production casing to test the Arbuckle, Viola, and Lansing.

RAMA Operating Company Inc.

well comparison sheet

	DRILLING WELL J. Meyers #3-28				COMPARISON WELL J. Meyer 2-28				COMPARISON WELL R.Meyer #7				COMPARISON WELL Meyer #3			
	1868 KB				1869 KB		Structural Relationship		1859 KB		Structural Relationship		1858 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Sample	Sub-Sea	Sample	Log	Sample	Sub-Sea	Sample	Log	Sample	Sub-Sea	Sample	Log
Anhydrite	670	1198	670	1198					650	1209	-11		655	1203	-5	-5
Topeka	2908	-1040	2908	-1040	2906	-1037	-3									
Heebner	3221	-1353	3220	-1352	3220	-1351	-2	-1								
Toronto	3239	-1371	3238	-1370	3238	-1369	-2									
Douglas	3257	-1389	3256	-1388	3254	-1385	-4									
Brown Lime	3365	-1497	3365	-1497	3363	-1494	-3	-3								
Lansing	3394	-1526	3390	-1522	3388	-1519	-7	-3	3389	-1530	4	8	3393	-1535	9	13
Base KC	3642	-1774	3640	-1772	3638	-1769	-5									
Viola	3707	-1839	3708	-1840	3703	-1834	-5	-6	3720	-1861	22	21	3707	-1849	10	9
Simpson Shale	3759	-1891	3759	-1891	3755	-1886	-5	-5	3769	-1910	19	19	3757	-1899	8	8
Simpson Dol.	3783	-1915	3785	-1917	3783	-1914	-1	-3								
Arbuckle	3823	-1955	3822	-1954	3819	-1950	-5	-4	3822	-1963	8	9	3817	-1959	4	5
Total Depth	3950	-2082	3950	-2082	3900	-2031			3842	-1983			3842	-1984		

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Rama Operating Co Inc

101 S. main st Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w

J. Meyer 3-28

Job Ticket: 65777 **DST#: 1**

Test Start: 2019.04.15 @ 22:34:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:20:40
Time Test Ended: 06:03:09

Test Type: Conventional Bottom Hole (Initial)
Tester: Benny Mulligan
Unit No: 66

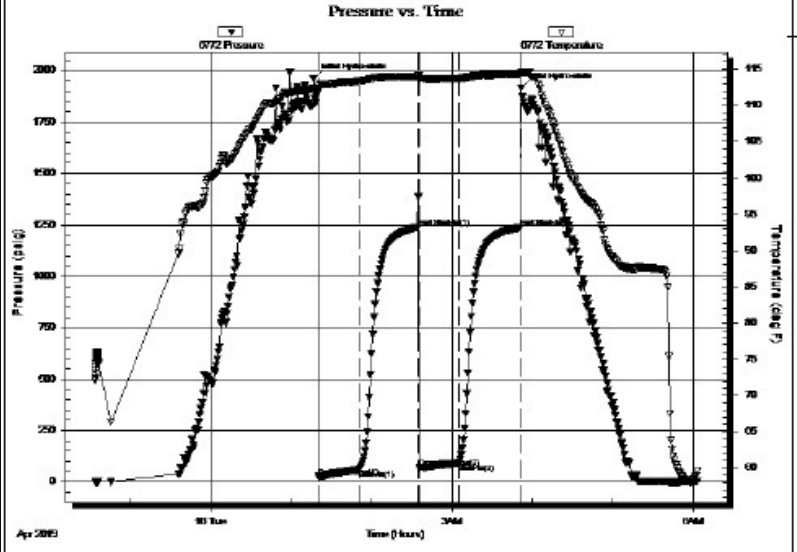
Interval: 3744.00 ft (KB) To 3828.00 ft (KB) (TVD)
Total Depth: 3828.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1868.00 ft (KB)
1857.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772 **Inside**
Press@RunDepth: 92.60 psig @ 3745.00 ft (KB)
Start Date: 2019.04.15 End Date: 2019.04.16
Start Time: 22:34:01 End Time: 06:03:10

Capacity: 8000.00 psig
Last Calib.: 2019.04.16
Time On Btm: 2019.04.16 @ 01:16:50
Time Off Btm: 2019.04.16 @ 03:51:50

TEST COMMENT: I.F.-30- built to 5"
I.S.I.-45- no blow back
F.F-30- built to 1"
F.S.I.-45- no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1961.80	112.33	Initial Hydro-static
4	24.67	112.20	Open To Flow (1)
34	58.86	113.38	Shut-In(1)
78	1238.41	114.05	End Shut-In(1)
79	66.91	113.72	Open To Flow (2)
109	92.60	113.73	Shut-In(2)
155	1237.52	114.35	End Shut-In(2)
156	1915.91	114.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	O.S.M. 2%O 98%M	0.59
20.00	M 100%M	0.10

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Rama Operating Co Inc

28-23s-12w

101 S. main st Stafford KS 67578+1429

J. Meyer 3-28

Job Ticket: 65779 **DST#: 3**

ATTN: Josh Austin

Test Start: 2019.04.16 @ 19:38:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:22:50
Time Test Ended: 02:32:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Benny Mulligan
Unit No: 66

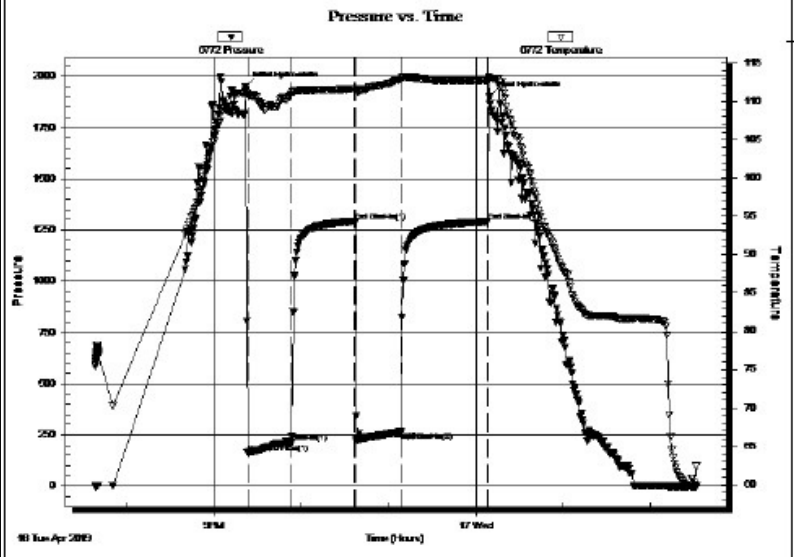
Interval: 3740.00 ft (KB) To 3832.00 ft (KB) (TVD)
Total Depth: 3832.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1868.00 ft (KB)
1857.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772 **Inside**
Press@RunDepth: 212.35 psig @ 3741.00 ft (KB)
Start Date: 2019.04.16 End Date: 2019.04.17
Start Time: 19:38:01 End Time: 02:32:00

Capacity: 8000.00 psig
Last Calib.: 2019.04.17
Time On Btm: 2019.04.16 @ 21:21:20
Time Off Btm: 2019.04.17 @ 00:09:20

TEST COMMENT: I.F.-30- BOB 20 mins total build 14"
I.S.I.-45- no blow back
F.F.-30- built to 10 1/2 "
F.S.I.-60- no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1950.88	111.15	Initial Hydro-static
2	160.82	110.82	Open To Flow (1)
32	212.35	110.93	Shut-In(1)
76	1292.20	111.62	End Shut-In(1)
76	223.97	111.33	Open To Flow (2)
107	264.12	112.91	End Shut-In(2)
167	1290.43	112.84	End Shut-In(3)
168	1900.93	113.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

180.00	O.S.W.M. 20%W 80%M	0.89
340.00	M. 100%M	4.45

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Rama Operating Co Inc

101 S. main st Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w

J. Meyer 3-28

Job Ticket: 65780 **DST#: 4**

Test Start: 2019.04.17 @ 08:41:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:07:40
Time Test Ended: 15:36:50

Test Type: Conventional Bottom Hole (Initial)
Tester: Benny Mulligan
Unit No: 66

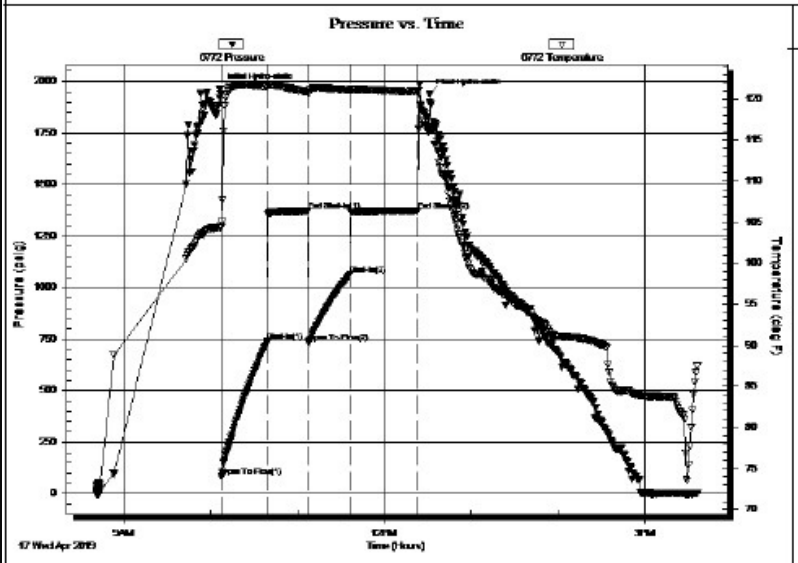
Interval: 3833.00 ft (KB) To 3838.00 ft (KB) (TVD)
Total Depth: 3838.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1868.00 ft (KB)
1857.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772 **Inside**
Press@RunDepth: 1061.61 psig @ 3835.00 ft (KB)
Start Date: 2019.04.17 End Date: 2019.04.17
Start Time: 08:41:01 End Time: 15:36:50

Capacity: 8000.00 psig
Last Calib.: 2019.04.17
Time On Btm: 2019.04.17 @ 10:06:30
Time Off Btm: 2019.04.17 @ 12:31:10

TEST COMMENT: I.F-30- BOB 1 min 40 sec total build 247"
I.S.I.-30- w eak low back
F.F--30-BOB 1 min 45 sec total build 191"
F.S.I.-45-1/2" blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.48	104.38	Initial Hydro-static
2	84.66	105.04	Open To Flow (1)
33	736.69	121.55	Shut-In(1)
61	1371.15	120.83	End Shut-In(1)
62	731.52	120.58	Open To Flow (2)
90	1061.61	121.10	Shut-In(2)
137	1371.38	120.88	End Shut-In(2)
145	1937.22	116.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1856.00	W. 100%W	24.08
256.00	S.O.C.W. 10%O 90%W	3.59
128.00	G.W.O. 20%G 20%W 60%O	1.80

Gas Rates

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

128.00	M.C.O	10%M 90%O	1.80

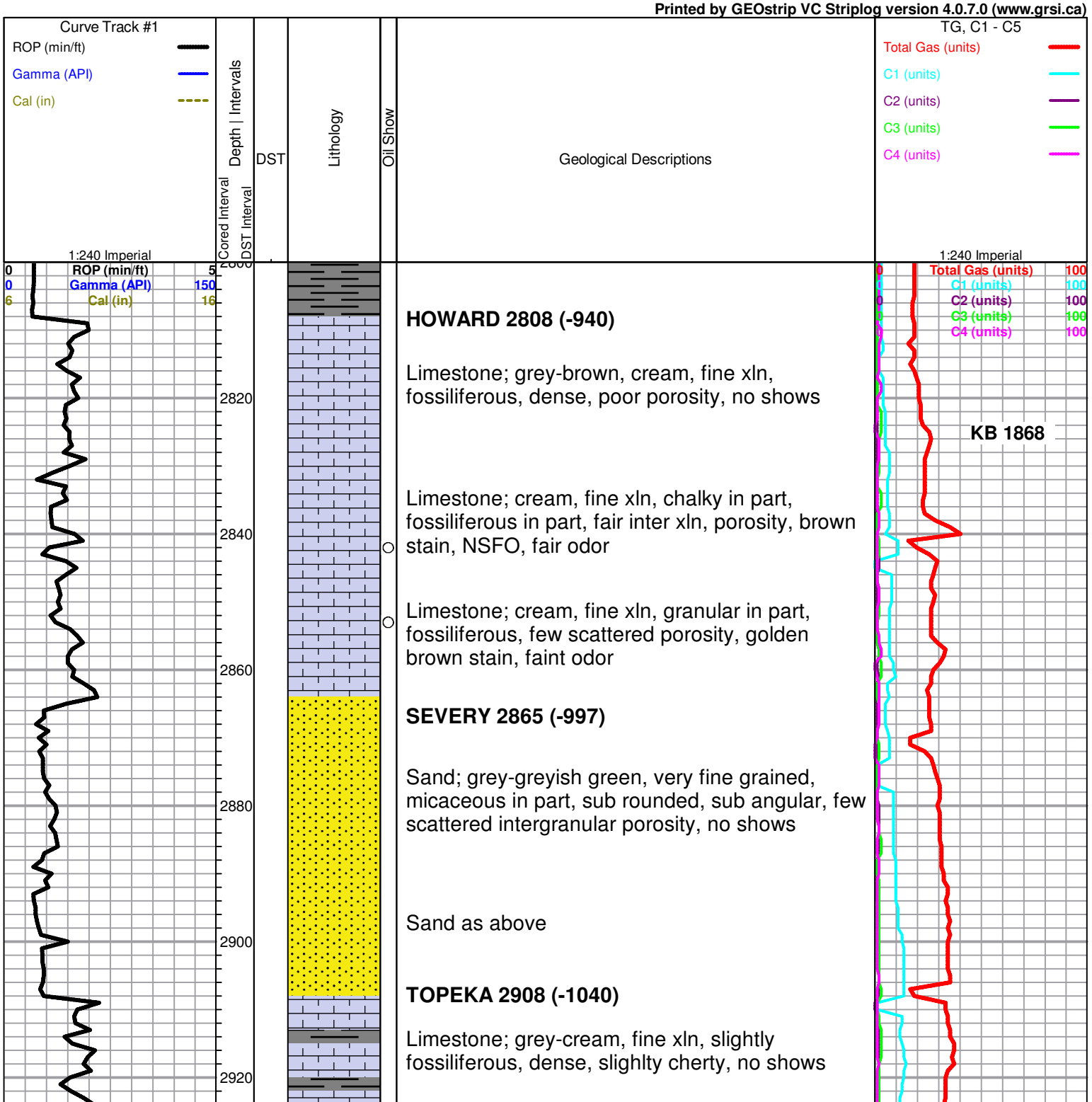
ROCK TYPES

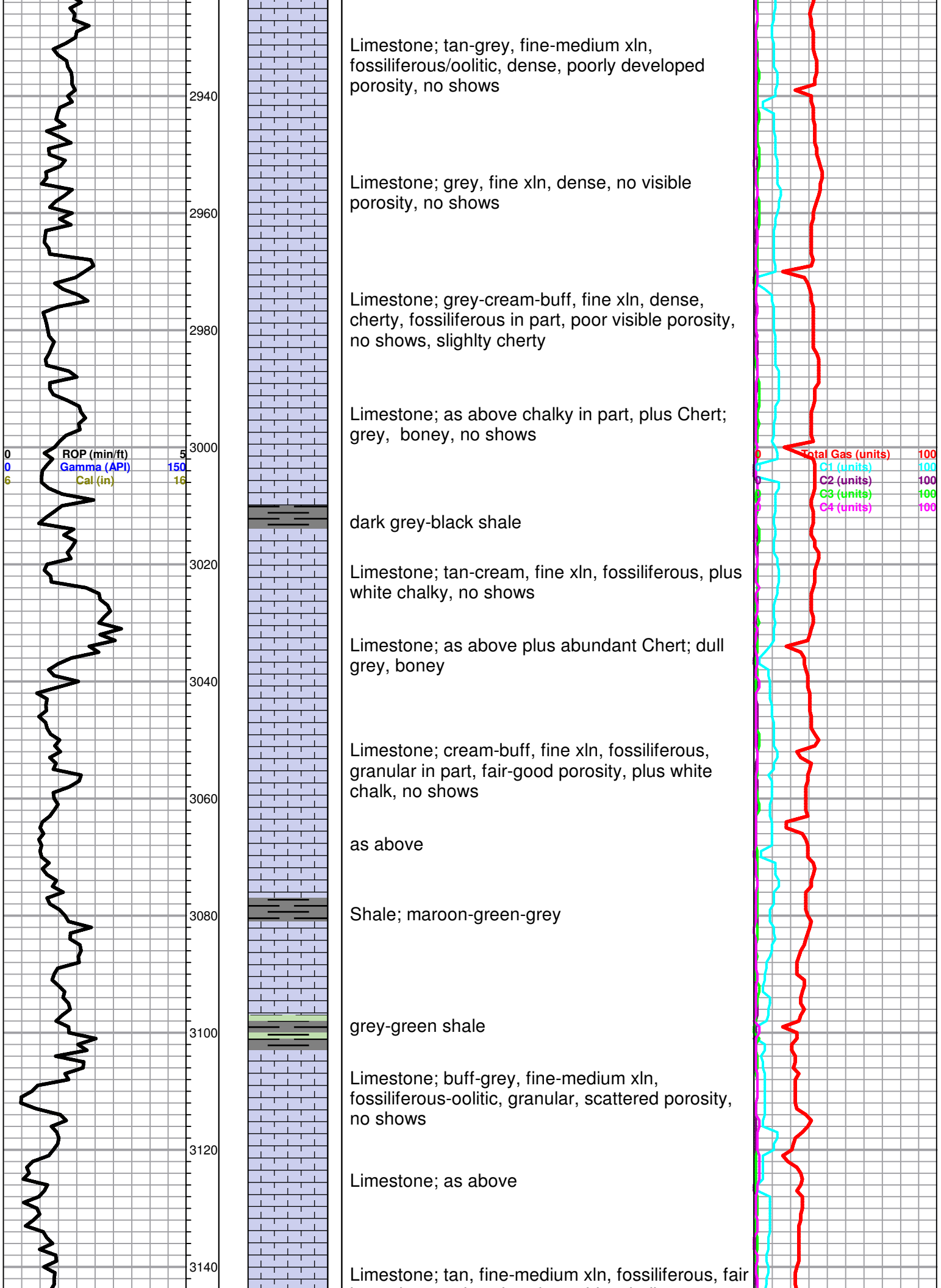
Cht
Cht vari
Dolsec
Lmst fw7>
shale, grn
shale, gry
Carbon Sh
shale, red
Ss

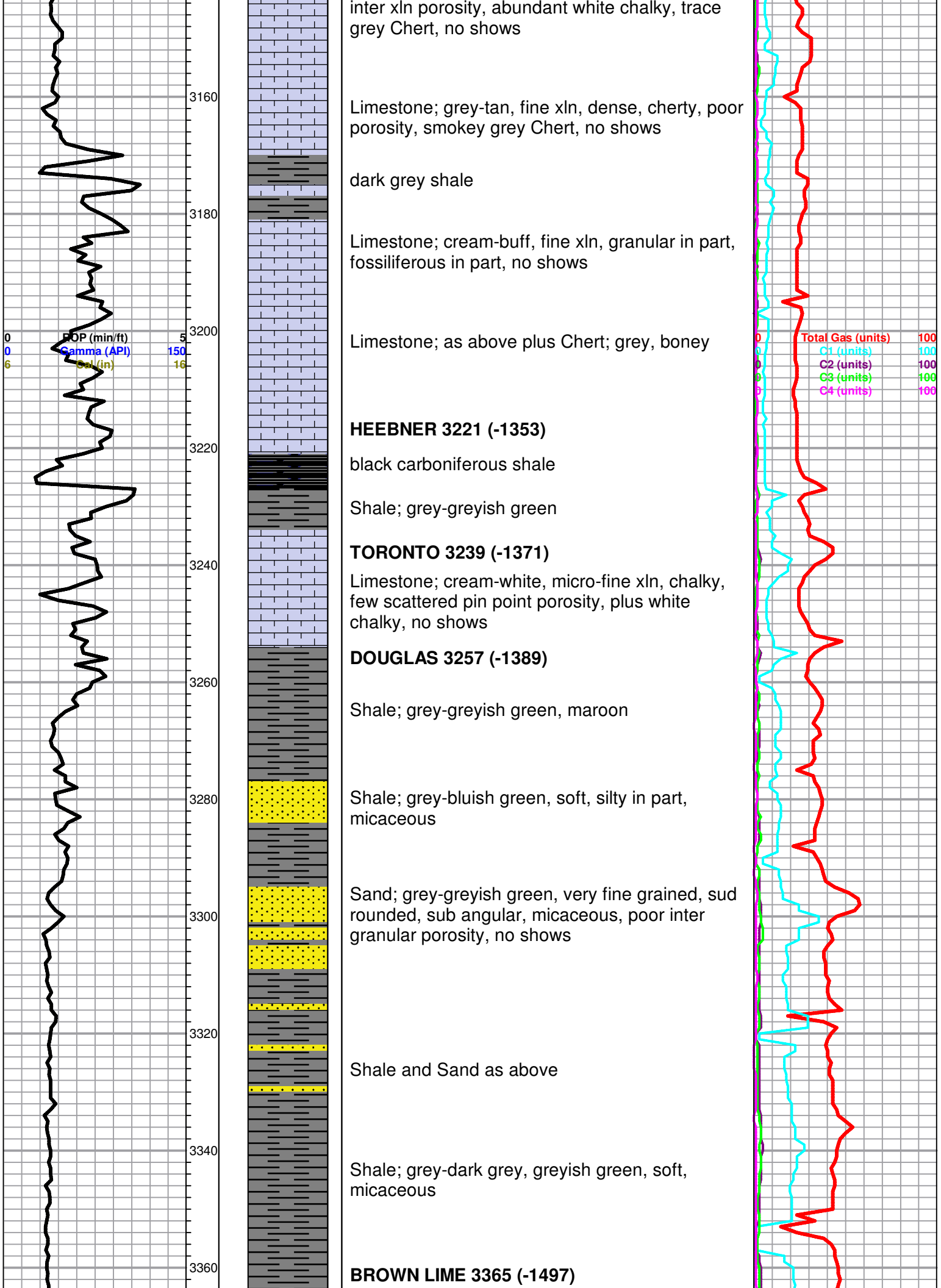
OTHER SYMBOLS

DST
DST Int
DST alt
Core
tail pipe

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)




0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
2940
2960
2980
3000
3020
3040
3060
3080
3100
3120
3140
0 Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100
Limestone; tan-grey, fine-medium xln, fossiliferous/oolitic, dense, poorly developed porosity, no shows
Limestone; grey, fine xln, dense, no visible porosity, no shows
Limestone; grey-cream-buff, fine xln, dense, cherty, fossiliferous in part, poor visible porosity, no shows, slighlty cherty
Limestone; as above chalky in part, plus Chert; grey, boney, no shows
dark grey-black shale
Limestone; tan-cream, fine xln, fossiliferous, plus white chalky, no shows
Limestone; as above plus abundant Chert; dull grey, boney
Limestone; cream-buff, fine xln, fossiliferous, granular in part, fair-good porosity, plus white chalk, no shows
as above
Shale; maroon-green-grey
grey-green shale
Limestone; buff-grey, fine-medium xln, fossiliferous-oolitic, granular, scattered porosity, no shows
Limestone; as above
Limestone; tan, fine-medium xln, fossiliferous, fair



inter xln porosity, abundant white chalky, trace grey Chert, no shows

Limestone; grey-tan, fine xln, dense, cherty, poor porosity, smokey grey Chert, no shows

dark grey shale

Limestone; cream-buff, fine xln, granular in part, fossiliferous in part, no shows

Limestone; as above plus Chert; grey, boney

HEEBNER 3221 (-1353)

black carboniferous shale

Shale; grey-greyish green

TORONTO 3239 (-1371)

Limestone; cream-white, micro-fine xln, chalky, few scattered pin point porosity, plus white chalky, no shows

DOUGLAS 3257 (-1389)

Shale; grey-greyish green, maroon

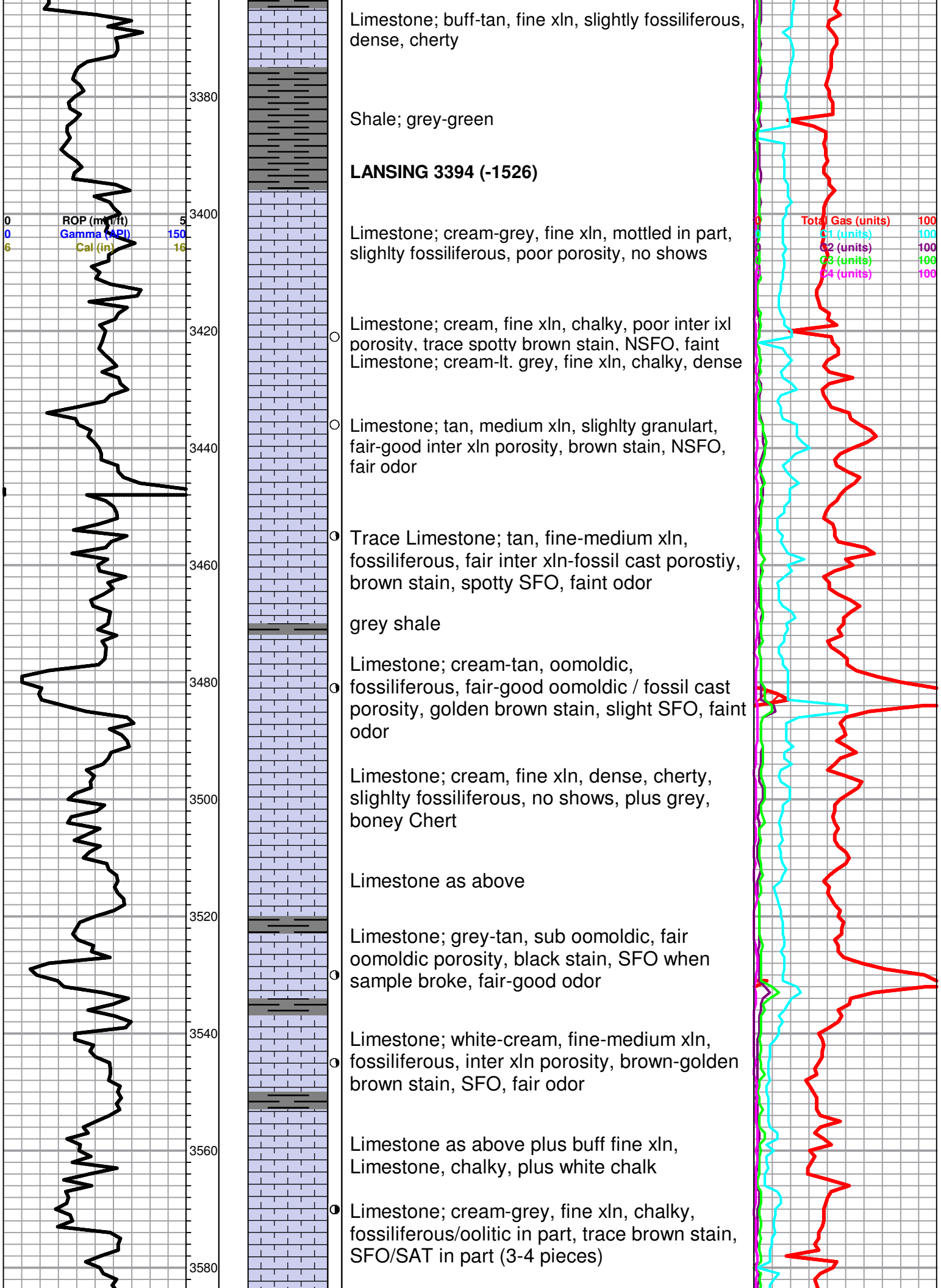
Shale; grey-bluish green, soft, silty in part, micaceous

Sand; grey-greyish green, very fine grained, sud rounded, sub angular, micaceous, poor inter granular porosity, no shows

Shale and Sand as above

Shale; grey-dark grey, greyish green, soft, micaceous

BROWN LIME 3365 (-1497)



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

Shale; grey-green

LANSING 3394 (-1526)

Limestone; cream-grey, fine xln, mottled in part, slighlty fossiliferous, poor porosity, no shows

Limestone; cream, fine xln, chalky, poor inter ixl porosity, trace spotty brown stain, NSFO, faint
Limestone; cream-lt. grey, fine xln, chalky, dense

Limestone; tan, medium xln, slighlty granulart, fair-good inter xln porosity, brown stain, NSFO, fair odor

Trace Limestone; tan, fine-medium xln, fossiliferous, fair inter xln-fossil cast porostiy, brown stain, spotty SFO, faint odor

grey shale

Limestone; cream-tan, oomoldic, fossiliferous, fair-good oomoldic / fossil cast porosity, golden brown stain, slight SFO, faint odor

Limestone; cream, fine xln, dense, cherty, slighlty fossiliferous, no shows, plus grey, boney Chert

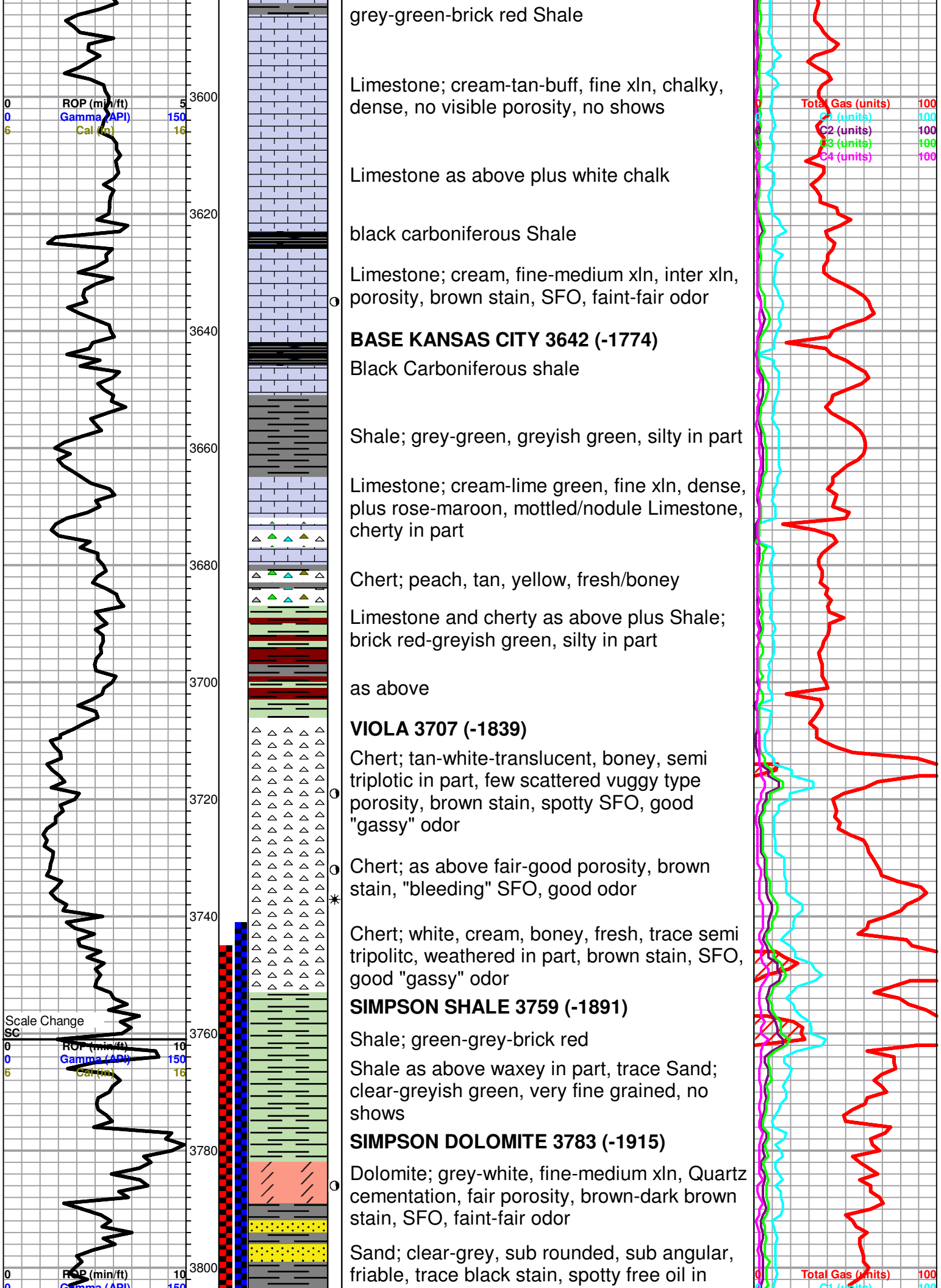
Limestone as above

Limestone; grey-tan, sub oomoldic, fair oomoldic porosity, black stain, SFO when sample broke, fair-good odor

Limestone; white-cream, fine-medium xln, fossiliferous, inter xln porosity, brown-golden brown stain, SFO, fair odor

Limestone as above plus buff fine xln, Limestone, chalky, plus white chalk

Limestone; cream-grey, fine xln, chalky, fossiliferous/oolitic in part, trace brown stain, SFO/SAT in part (3-4 pieces)



grey-green-brick red Shale

Limestone; cream-tan-buff, fine xln, chalky, dense, no visible porosity, no shows

Limestone as above plus white chalk

black carboniferous Shale

Limestone; cream, fine-medium xln, inter xln, porosity, brown stain, SFO, faint-fair odor

BASE KANSAS CITY 3642 (-1774)

Black Carboniferous shale

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

Limestone; cream-lime green, fine xln, dense, plus rose-maroon, mottled/nodule Limestone, cherty in part

Chert; peach, tan, yellow, fresh/boney

Limestone and cherty as above plus Shale; brick red-greyish green, silty in part

as above

VIOLA 3707 (-1839)

Chert; tan-white-translucent, boney, semi triplotic in part, few scattered vuggy type porosity, brown stain, spotty SFO, good "gassy" odor

Chert; as above fair-good porosity, brown stain, "bleeding" SFO, good odor

Chert; white, cream, boney, fresh, trace semi tripolitc, weathered in part, brown stain, SFO, good "gassy" odor

SIMPSON SHALE 3759 (-1891)

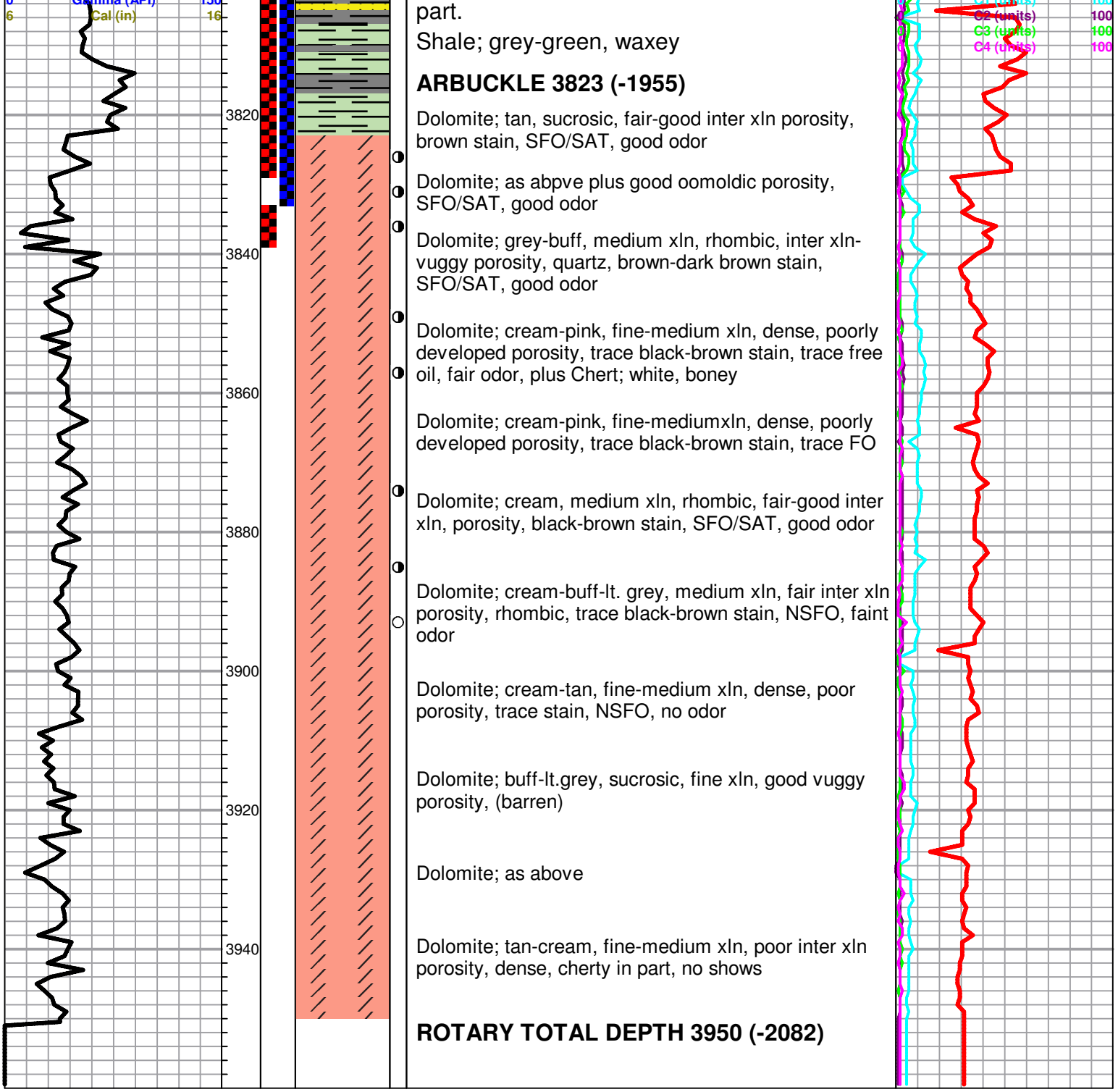
Shale; green-grey-brick red

Shale as above waxey in part, trace Sand; clear-greyish green, very fine grained, no shows

SIMPSON DOLOMITE 3783 (-1915)

Dolomite; grey-white, fine-medium xln, Quartz cementation, fair porosity, brown-dark brown stain, SFO, faint-fair odor

Sand; clear-grey, sub rounded, sub angular, friable, trace black stain, spotty free oil in



part.

Shale; grey-green, waxey

ARBUCKLE 3823 (-1955)

Dolomite; tan, sucrosic, fair-good inter xln porosity, brown stain, SFO/SAT, good odor

Dolomite; as abpve plus good oomoldic porosity, SFO/SAT, good odor

Dolomite; grey-buff, medium xln, rhombic, inter xln-vuggy porosity, quartz, brown-dark brown stain, SFO/SAT, good odor

Dolomite; cream-pink, fine-medium xln, dense, poorly developed porosity, trace black-brown stain, trace free oil, fair odor, plus Chert; white, boney

Dolomite; cream-pink, fine-mediumxln, dense, poorly developed porosity, trace black-brown stain, trace FO

Dolomite; cream, medium xln, rhombic, fair-good inter xln, porosity, black-brown stain, SFO/SAT, good odor

Dolomite; cream-buff-lt. grey, medium xln, fair inter xln porosity, rhombic, trace black-brown stain, NSFO, faint odor

Dolomite; cream-tan, fine-medium xln, dense, poor porosity, trace stain, NSFO, no odor

Dolomite; buff-lt.grey, sucrosic, fine xln, good vuggy porosity, (barren)

Dolomite; as above

Dolomite; tan-cream, fine-medium xln, poor inter xln porosity, dense, cherty in part, no shows

ROTARY TOTAL DEPTH 3950 (-2082)

DRILL STEM TEST REPORT

Prepared For: **Rama Operating Co Inc**

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

J. Meyer 3-28

28-23s-12w Stafford,KS

Start Date: 2019.04.15 @ 22:34:00
End Date: 2019.04.16 @ 06:03:09
Job Ticket #: 65777 DST #: 1

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

Printed: 2019.04.19 @ 10:02:00

DRILL STEM TEST REPORT

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65777 **DST#: 1**

Test Start: 2019.04.15 @ 22:34:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:20:40
Time Test Ended: 06:03:09

Test Type: Conventional Bottom Hole (Initial)
Tester: Benny Mulligan
Unit No: 66

Interval: 3744.00 ft (KB) To 3828.00 ft (KB) (TVD)
Total Depth: 3828.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

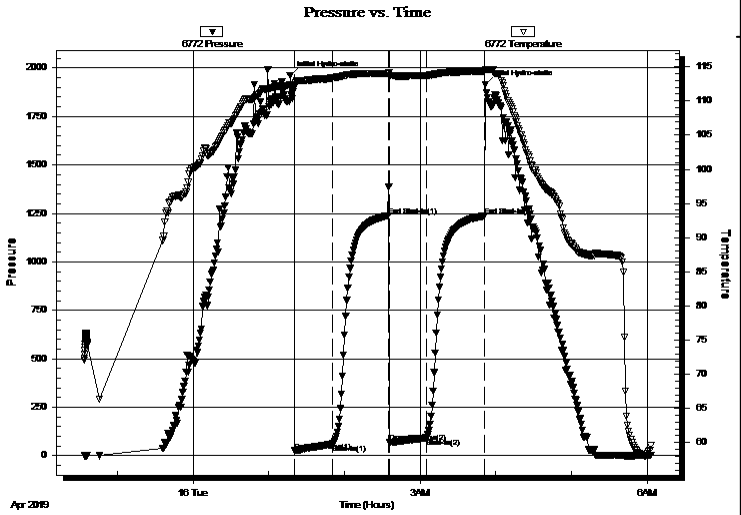
Reference Elevations: 1868.00 ft (KB)
1857.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772 **Inside**

Press@RunDepth: 92.60 psig @ 3745.00 ft (KB)
Start Date: 2019.04.15 End Date: 2019.04.16
Start Time: 22:34:01 End Time: 06:03:10

Capacity: 8000.00 psig
Last Calib.: 2019.04.16
Time On Btm: 2019.04.16 @ 01:16:50
Time Off Btm: 2019.04.16 @ 03:51:50

TEST COMMENT: I.F.-30- built to 5"
I.S.I.-45- no blow back
F.F-30- built to 1"
F.S.I.-45- no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1961.80	112.33	Initial Hydro-static
4	24.67	112.20	Open To Flow (1)
34	58.86	113.38	Shut-In(1)
78	1238.41	114.05	End Shut-In(1)
79	66.91	113.72	Open To Flow (2)
109	92.60	113.73	Shut-In(2)
155	1237.52	114.35	End Shut-In(2)
156	1915.91	114.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	O.S.M. 2%O 98%M	0.59
20.00	M 100%M	0.10

Gas Rates

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

DRILL STEM TEST REPORT

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65777 **DST#: 1**

Test Start: 2019.04.15 @ 22:34:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:20:40
Time Test Ended: 06:03:09

Test Type: Conventional Bottom Hole (Initial)
Tester: Benny Mulligan
Unit No: 66

Interval: 3744.00 ft (KB) To 3828.00 ft (KB) (TVD)
Total Depth: 3828.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

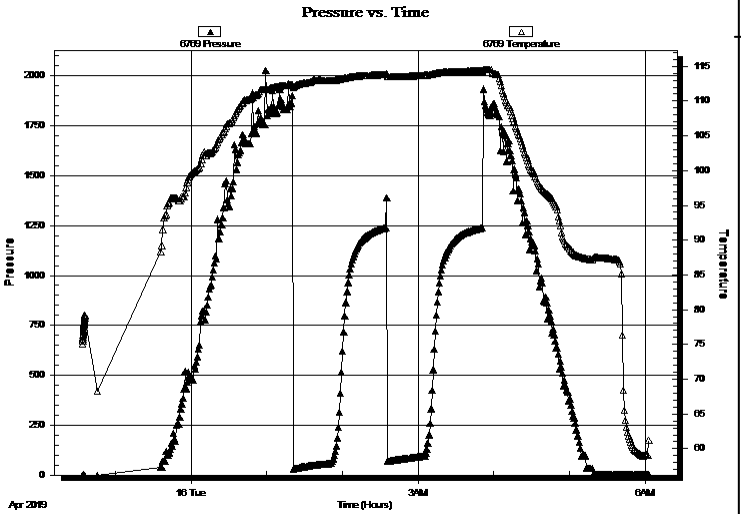
Reference Elevations: 1868.00 ft (KB)
1857.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6769 **Outside**

Press@RunDepth: psig @ 3745.00 ft (KB)
Start Date: 2019.04.15 End Date: 2019.04.16
Start Time: 22:34:01 End Time: 06:03:10

Capacity: 8000.00 psig
Last Calib.: 2019.04.16
Time On Btm:
Time Off Btm:

TEST COMMENT: I.F.-30- built to 5"
I.S.I.-45- no blow back
F.F-30- built to 1"
F.S.I.-45- no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	O.S.M. 2%O 98%M	0.59
20.00	M 100%M	0.10

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65777 **DST#: 1**

Test Start: 2019.04.15 @ 22:34:00

Tool Information

Drill Pipe:	Length:	3526.00 ft	Diameter:	3.80 inches	Volume:	49.46 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	215.00 ft	Diameter:	2.25 inches	Volume:	1.06 bbl	Weight to Pull Loose:		70000.00 lb
					Total Volume:	50.52 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		17.00 ft					String Weight:	Initial	68000.00 lb
Depth to Top Packer:		3744.00 ft						Final	68000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		84.00 ft							
Tool Length:		104.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3725.00		
Shut In Tool	5.00			3730.00		
Hydraulic tool	5.00			3735.00		
Packer	5.00			3740.00	20.00	Bottom Of Top Packer
Packer	4.00			3744.00		
Stubb	1.00			3745.00		
Recorder	0.00	6772	Inside	3745.00		
Recorder	0.00	6769	Outside	3745.00		
Perforations	14.00			3759.00		
Change Over Sub	1.00			3760.00		
Drill Pipe	64.00			3824.00		
Change Over Sub	1.00			3825.00		
Bullnose	3.00			3828.00	84.00	Bottom Packers & Anchor
Total Tool Length:	**104.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65777 **DST#: 1**

Test Start: 2019.04.15 @ 22:34:00

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:	67.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

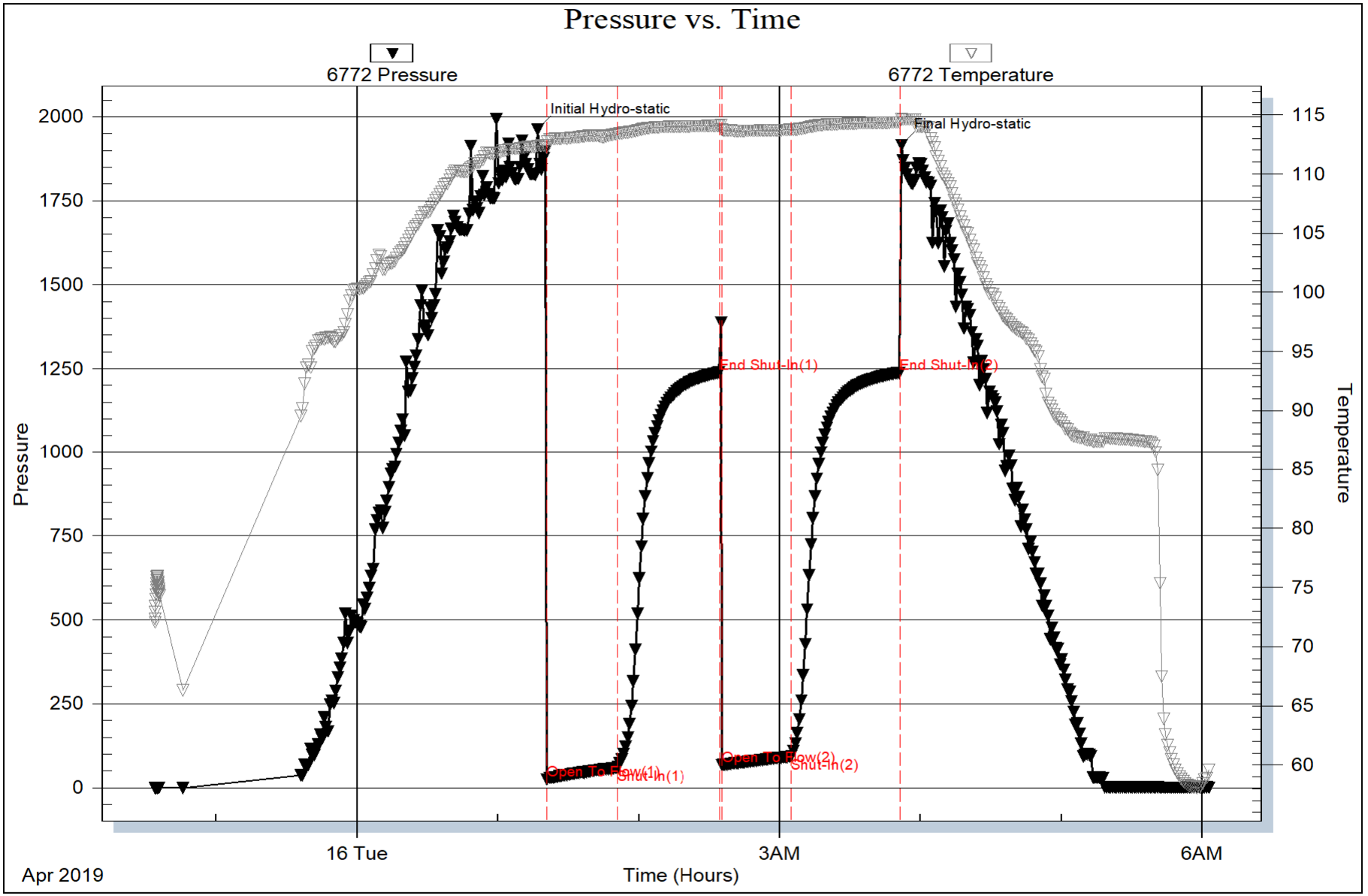
Recovery Table

Length ft	Description	Volume bbl
120.00	O.S.M. 2%O 98%M	0.590
20.00	M 100%M	0.098

Total Length: 140.00 ft Total Volume: 0.688 bbl

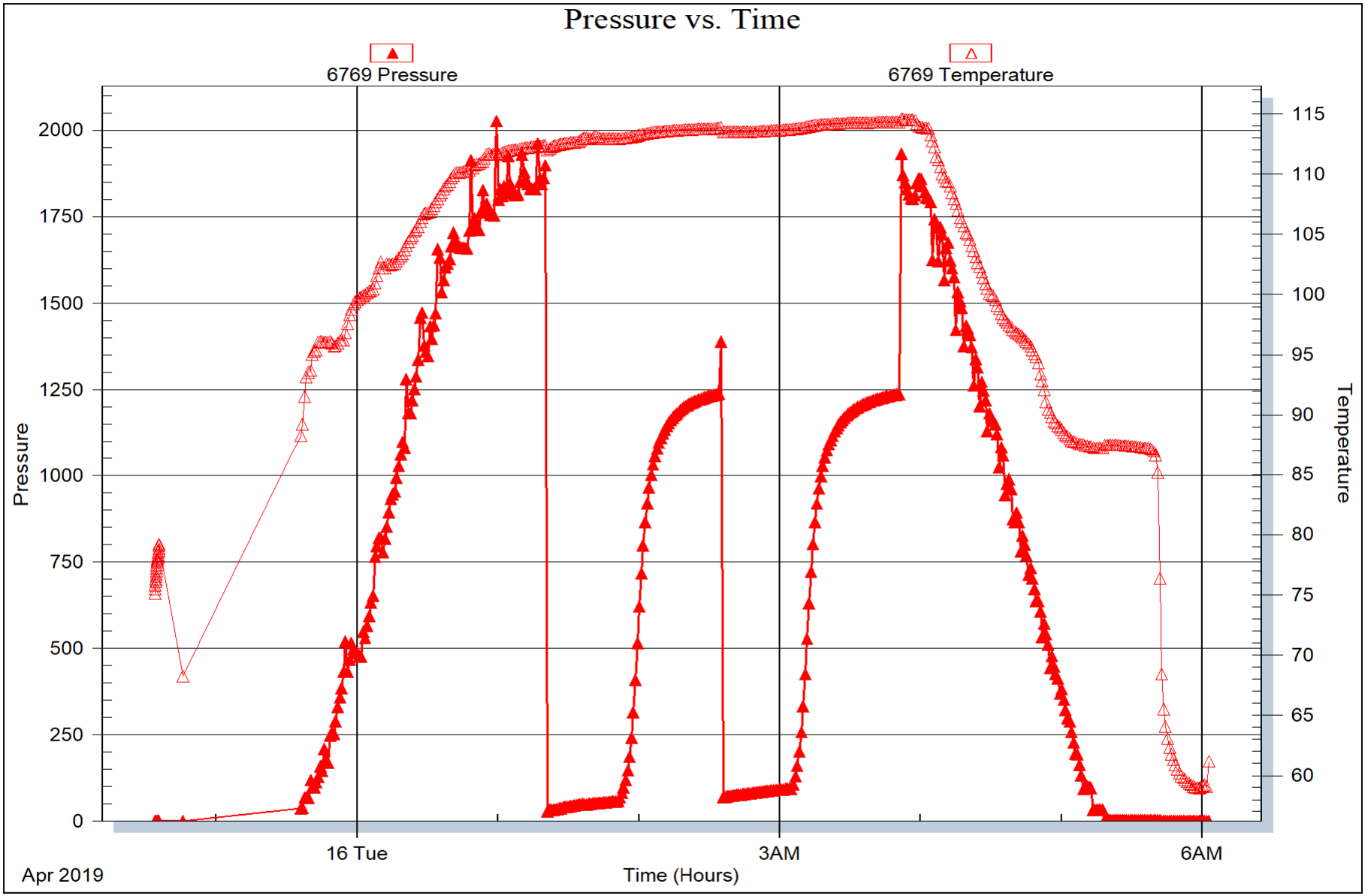
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6772 **Inside** Rama Operating Co Inc J. Meyer 3-28 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 65777 Printed: 2019.04.19 @ 10:02:01

Serial #: 6769 **Outside** Rama Operating Co Inc J. Meyer 3-28 DST Test Number: 1



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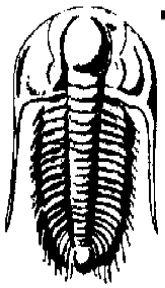


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Rama Operating Co Inc**

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

J. Meyer 3-28

28-23s-12w Stafford,KS

Start Date: 2019.04.16 @ 14:48:01
End Date: 2019.04.16 @ 19:15:20
Job Ticket #: 65778 DST #: 2

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

Printed: 2019.04.19 @ 09:57:39

DRILL STEM TEST REPORT

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65778 **DST#: 2**

Test Start: 2019.04.16 @ 14:48:01

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 19:15:20

Test Type: Conventional Bottom Hole (Initial)
Tester: Benny Mulligan
Unit No: 66

Interval: 3744.00 ft (KB) To 3832.00 ft (KB) (TVD)
Total Depth: 3832.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

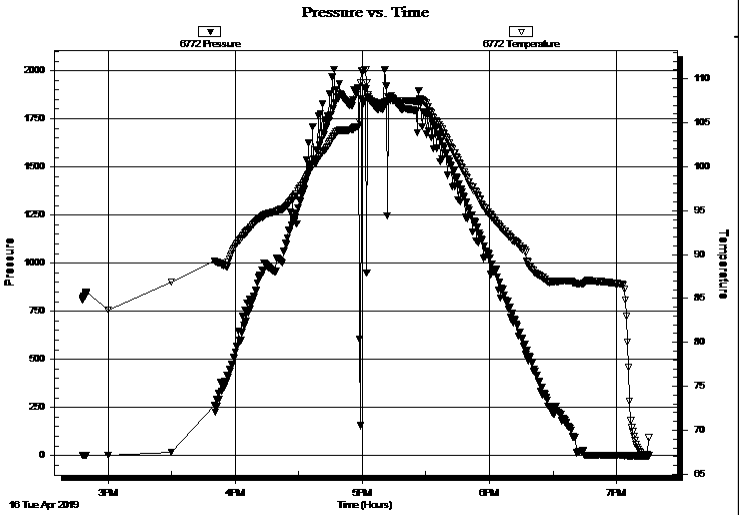
Reference Elevations: 1868.00 ft (KB)
1857.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772

Press@RunDepth: psig @ ft (KB)
Start Date: 2019.04.16 End Date: 2019.04.16
Start Time: 14:48:01 End Time: 19:15:20

Capacity: 8000.00 psig
Last Calib.: 2019.04.16
Time On Btm:
Time Off Btm:

TEST COMMENT: Miss Run



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

DRILL STEM TEST REPORT

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65778 **DST#: 2**

Test Start: 2019.04.16 @ 14:48:01

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
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Test Type: Conventional Bottom Hole (Initial)
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Total Depth: 3832.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

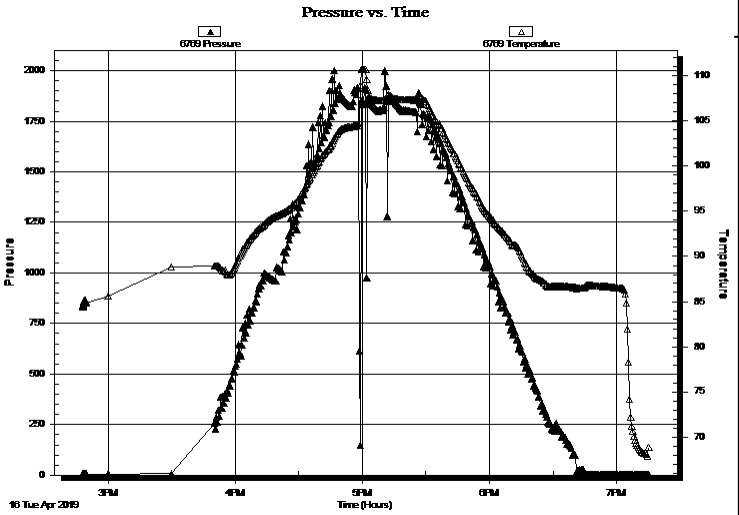
Reference Elevations: 1868.00 ft (KB)
1857.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6769

Press@RunDepth: psig @ ft (KB)
Start Date: 2019.04.16 End Date: 2019.04.16
Start Time: 14:48:01 End Time: 19:15:20

Capacity: 8000.00 psig
Last Calib.: 2019.04.16
Time On Btm:
Time Off Btm:

TEST COMMENT: Miss Run



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65778 **DST#: 2**

Test Start: 2019.04.16 @ 14:48:01

Tool Information

Drill Pipe:	Length:	3526.00 ft	Diameter:	3.80 inches	Volume:	49.46 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	215.00 ft	Diameter:	2.25 inches	Volume:	1.06 bbl	Weight to Pull Loose:		72000.00 lb
					Total Volume:	50.52 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		17.00 ft					String Weight:	Initial	68000.00 lb
Depth to Top Packer:		3744.00 ft						Final	68000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		88.00 ft							
Tool Length:		108.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3725.00		
Shut In Tool	5.00			3730.00		
Hydraulic tool	5.00			3735.00		
Packer	5.00			3740.00	20.00	Bottom Of Top Packer
Packer	4.00			3744.00		
Stubb	1.00			3745.00		
Recorder	0.00	6772	Inside	3745.00		
Recorder	0.00	6769	Outside	3745.00		
Perforations	18.00			3763.00		
Change Over Sub	1.00			3764.00		
Drill Pipe	64.00			3828.00		
Change Over Sub	1.00			3829.00		
Bullnose	3.00			3832.00	88.00	Bottom Packers & Anchor
Total Tool Length:	**108.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65778 **DST#: 2**

Test Start: 2019.04.16 @ 14:48:01

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:	72.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7100.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

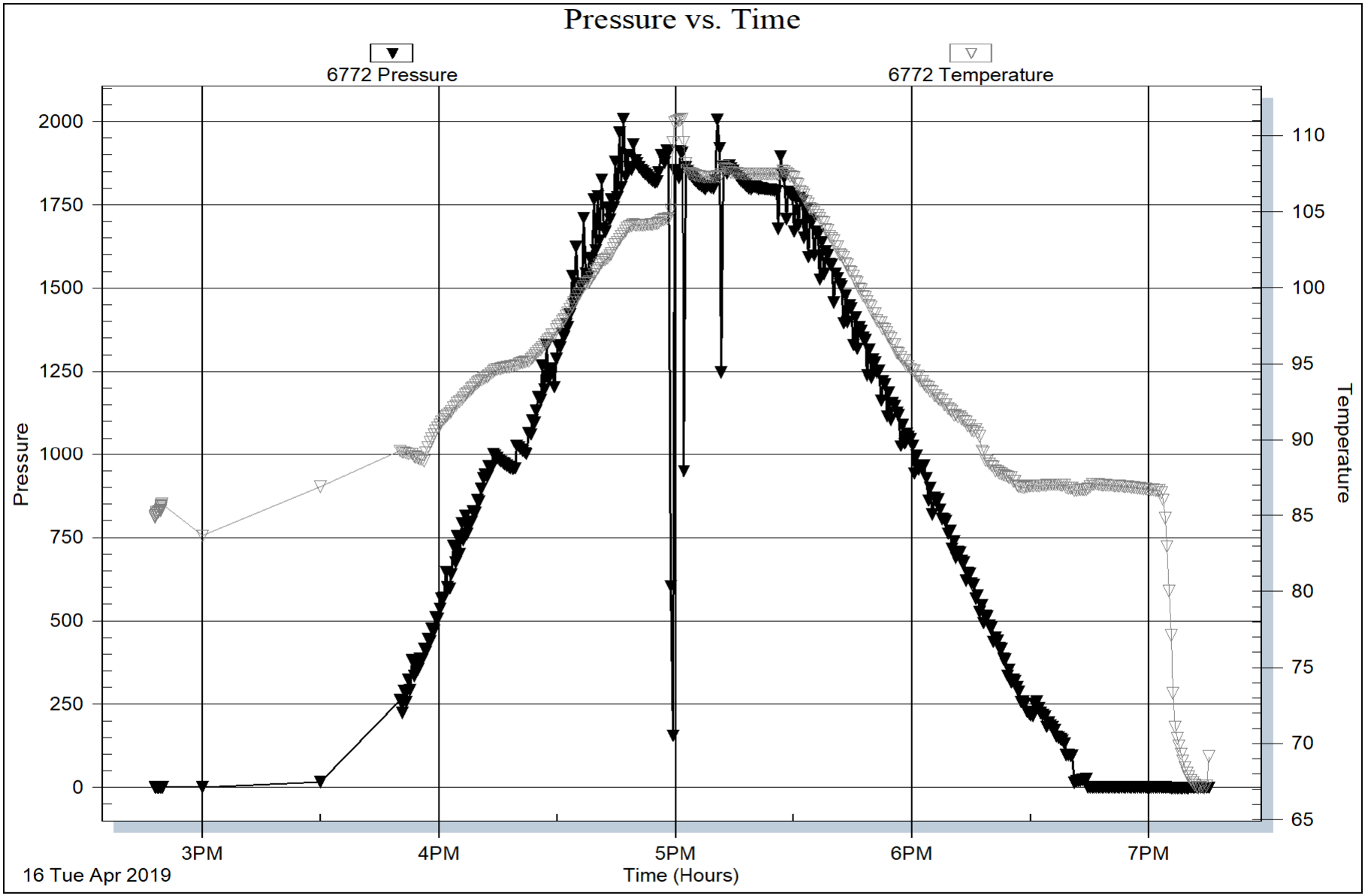
Total Length: ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

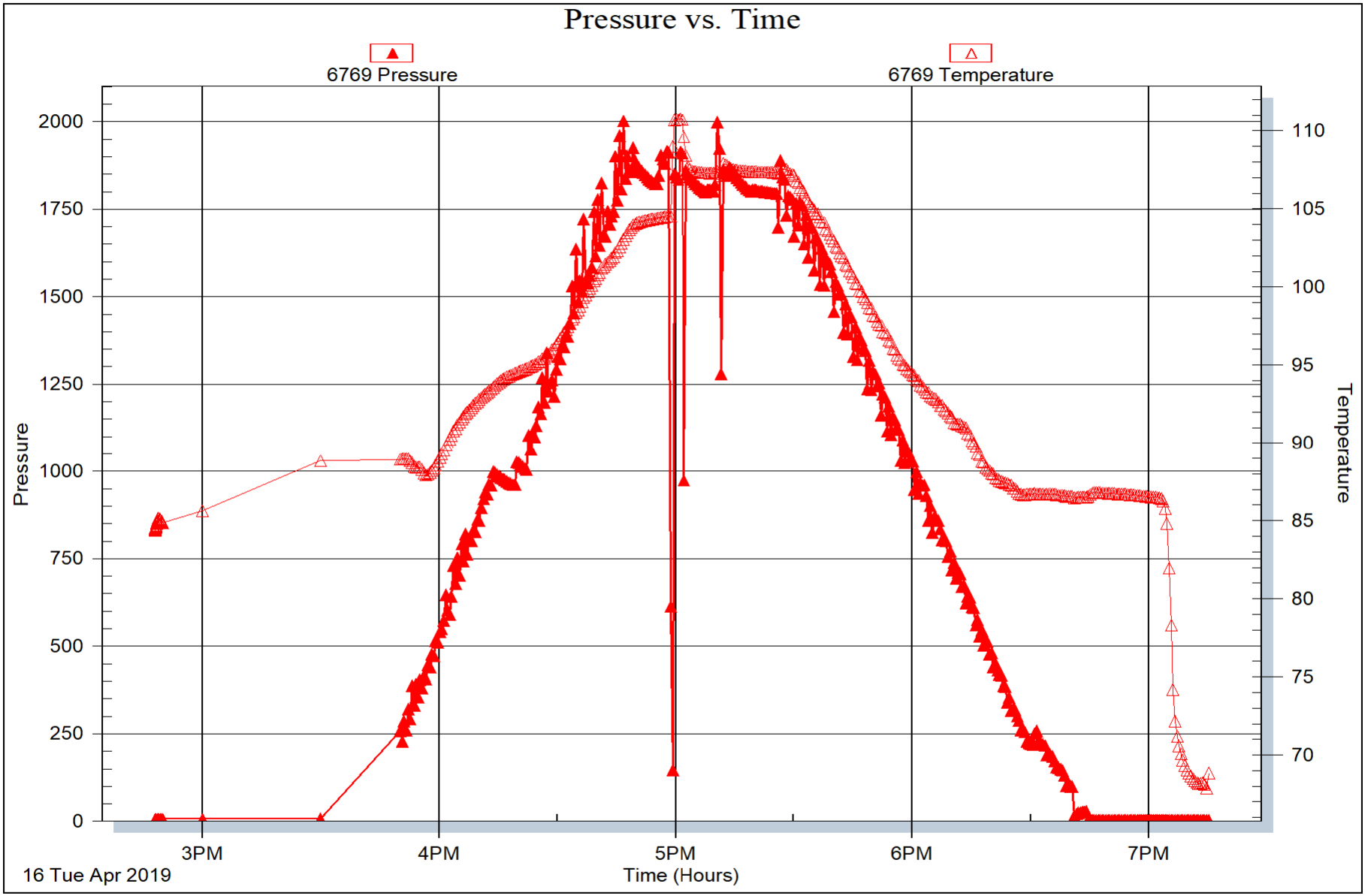
Recovery Comments:

Serial #: 6772 | Rama Operating Co Inc | J. Meyer 3-28 | DST Test Number: 2



Trilobite Testing, Inc | Ref. No: 65778 | Printed: 2019.04.19 @ 09:57:40

Serial #: 6769 | Rama Operating Co Inc | J. Meyer 3-28 | DST Test Number: 2



Trilobite Testing, Inc | Ref. No: 65778 | Printed: 2019.04.19 @ 09:57:40

DRILL STEM TEST REPORT

Prepared For: **Rama Operating Co Inc**

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

J. Meyer 3-28

28-23s-12w Stafford,KS

Start Date: 2019.04.16 @ 19:38:00
End Date: 2019.04.17 @ 02:32:00
Job Ticket #: 65779 DST #: 3

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

Printed: 2019.04.19 @ 09:56:28

DRILL STEM TEST REPORT

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65779 **DST#: 3**

Test Start: 2019.04.16 @ 19:38:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:22:50
Time Test Ended: 02:32:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Benny Mulligan
Unit No: 66

Interval: 3740.00 ft (KB) To 3832.00 ft (KB) (TVD)
Total Depth: 3832.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

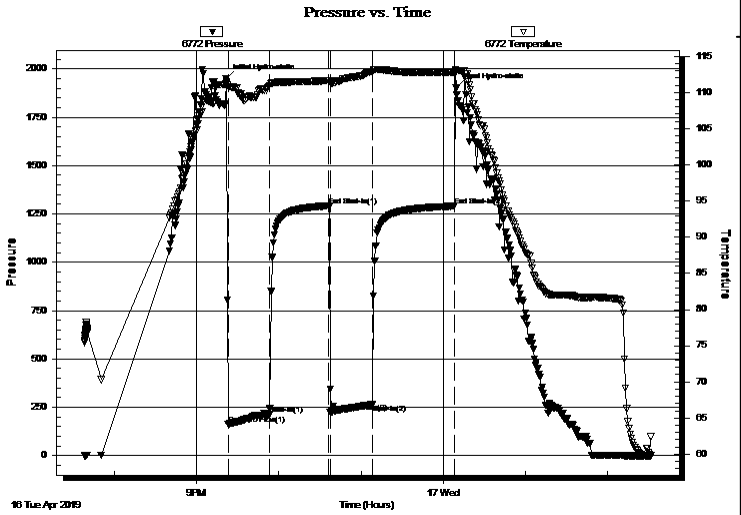
Reference Elevations: 1868.00 ft (KB)
1857.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772 **Inside**

Press@RunDepth: 264.12 psig @ 3741.00 ft (KB)
Start Date: 2019.04.16 End Date: 2019.04.17
Start Time: 19:38:01 End Time: 02:32:00

Capacity: 8000.00 psig
Last Calib.: 2019.04.17
Time On Btm: 2019.04.16 @ 21:21:20
Time Off Btm: 2019.04.17 @ 00:09:20

TEST COMMENT: I.F.-30- BOB 20 mins total build 14"
I.S.I.-45- no blow back
F.F.-30- built to 10 1/2 "
F.S.I.-60- no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1950.88	111.15	Initial Hydro-static
2	160.82	110.82	Open To Flow (1)
32	212.35	110.93	Shut-In(1)
76	1292.20	111.62	End Shut-In(1)
76	223.97	111.33	Open To Flow (2)
107	264.12	112.91	Shut-In(2)
167	1290.43	112.84	End Shut-In(2)
168	1900.93	113.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	O.S.W.M. 20%W 80%M	0.89
340.00	M. 100%M	4.45

Gas Rates

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

DRILL STEM TEST REPORT

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65779 **DST#: 3**

Test Start: 2019.04.16 @ 19:38:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:22:50
Time Test Ended: 02:32:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Benny Mulligan
Unit No: 66

Interval: 3740.00 ft (KB) To 3832.00 ft (KB) (TVD)
Total Depth: 3832.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

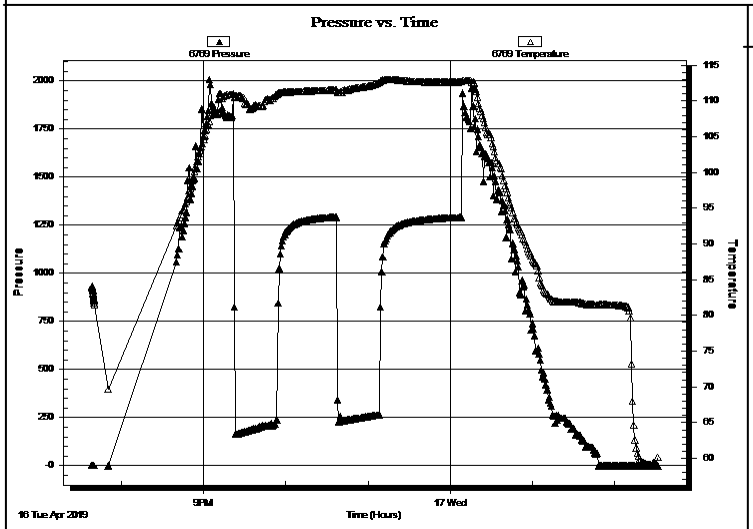
Reference Elevations: 1868.00 ft (KB)
1857.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6769 **Outside**

Press@RunDepth: psig @ 3741.00 ft (KB)
Start Date: 2019.04.16 End Date: 2019.04.17
Start Time: 19:38:01 End Time: 02:32:00

Capacity: 8000.00 psig
Last Calib.: 2019.04.17
Time On Btm:
Time Off Btm:

TEST COMMENT: I.F.-30- BOB 20 mins total build 14"
I.S.I.-45- no blow back
F.F.-30- built to 10 1/2 "
F.S.I.-60- no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
180.00	O.S.W.M. 20%W 80%M	0.89
340.00	M. 100%M	4.45

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65779 **DST#: 3**

Test Start: 2019.04.16 @ 19:38:00

Tool Information

Drill Pipe:	Length:	3526.00 ft	Diameter:	3.80	inches	Volume:	49.46	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	215.00 ft	Diameter:	2.25	inches	Volume:	1.06	bbl	
						Total Volume:	50.52	bbl	

Drill Pipe Above KB:	21.00 ft
Depth to Top Packer:	3740.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	92.00 ft
Tool Length:	112.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2500.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		72000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	68000.00 lb
	Final	69000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3721.00		
Shut In Tool	5.00			3726.00		
Hydraulic tool	5.00			3731.00		
Packer	5.00			3736.00	20.00	Bottom Of Top Packer
Packer	4.00			3740.00		
Stubb	1.00			3741.00		
Recorder	0.00	6772	Inside	3741.00		
Recorder	0.00	6769	Outside	3741.00		
Perforations	22.00			3763.00		
Change Over Sub	1.00			3764.00		
Drill Pipe	64.00			3828.00		
Change Over Sub	1.00			3829.00		
Bullnose	3.00			3832.00	92.00	Bottom Packers & Anchor
Total Tool Length:	**112.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65779 **DST#: 3**

Test Start: 2019.04.16 @ 19:38:00

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:	18000 ppm
Viscosity:	72.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7100.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	O.S.W.M. 20%W 80%M	0.885
340.00	M. 100%M	4.450

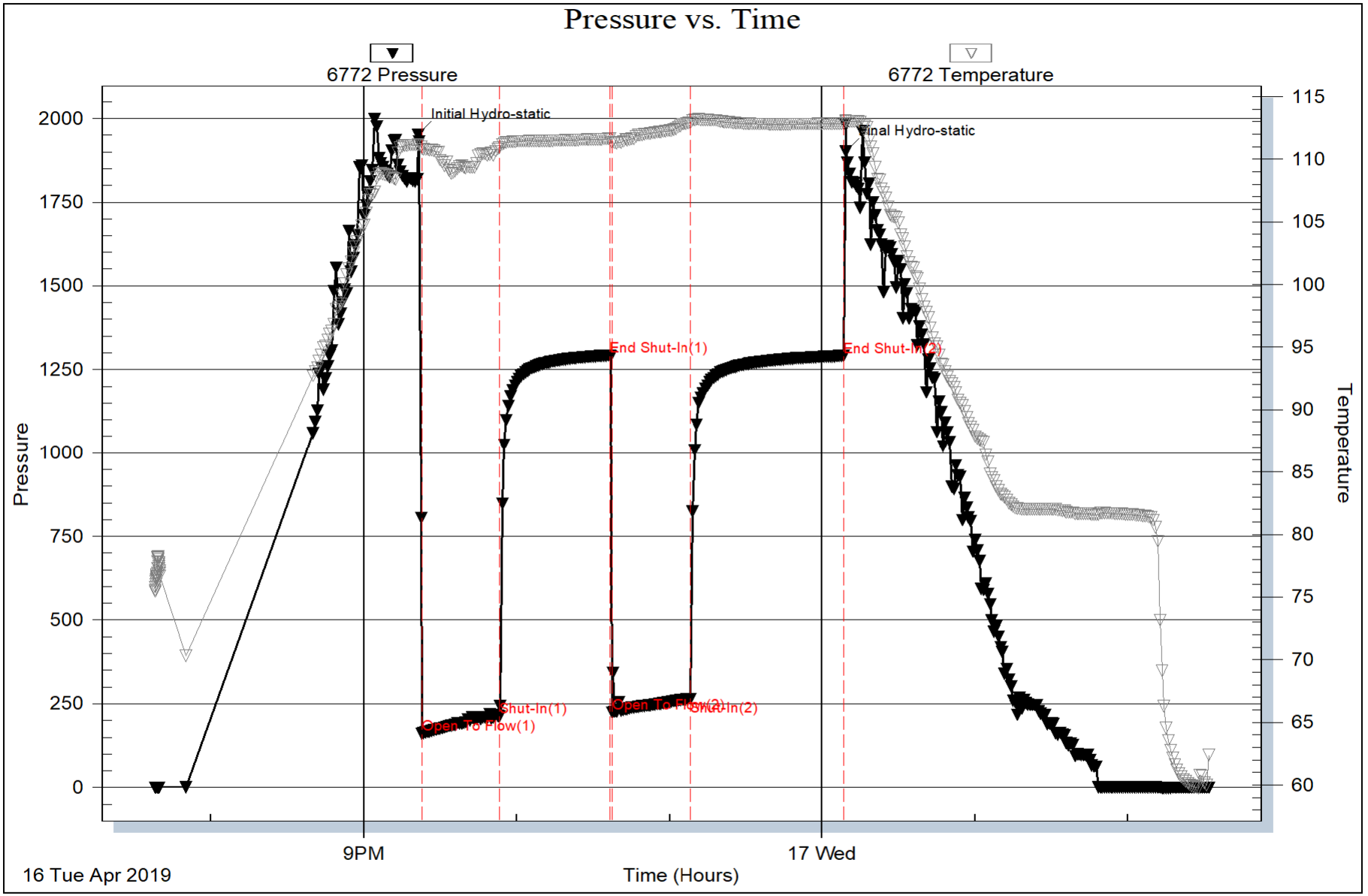
Total Length: 520.00 ft Total Volume: 5.335 bbl

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

Laboratory Name: Laboratory Location:

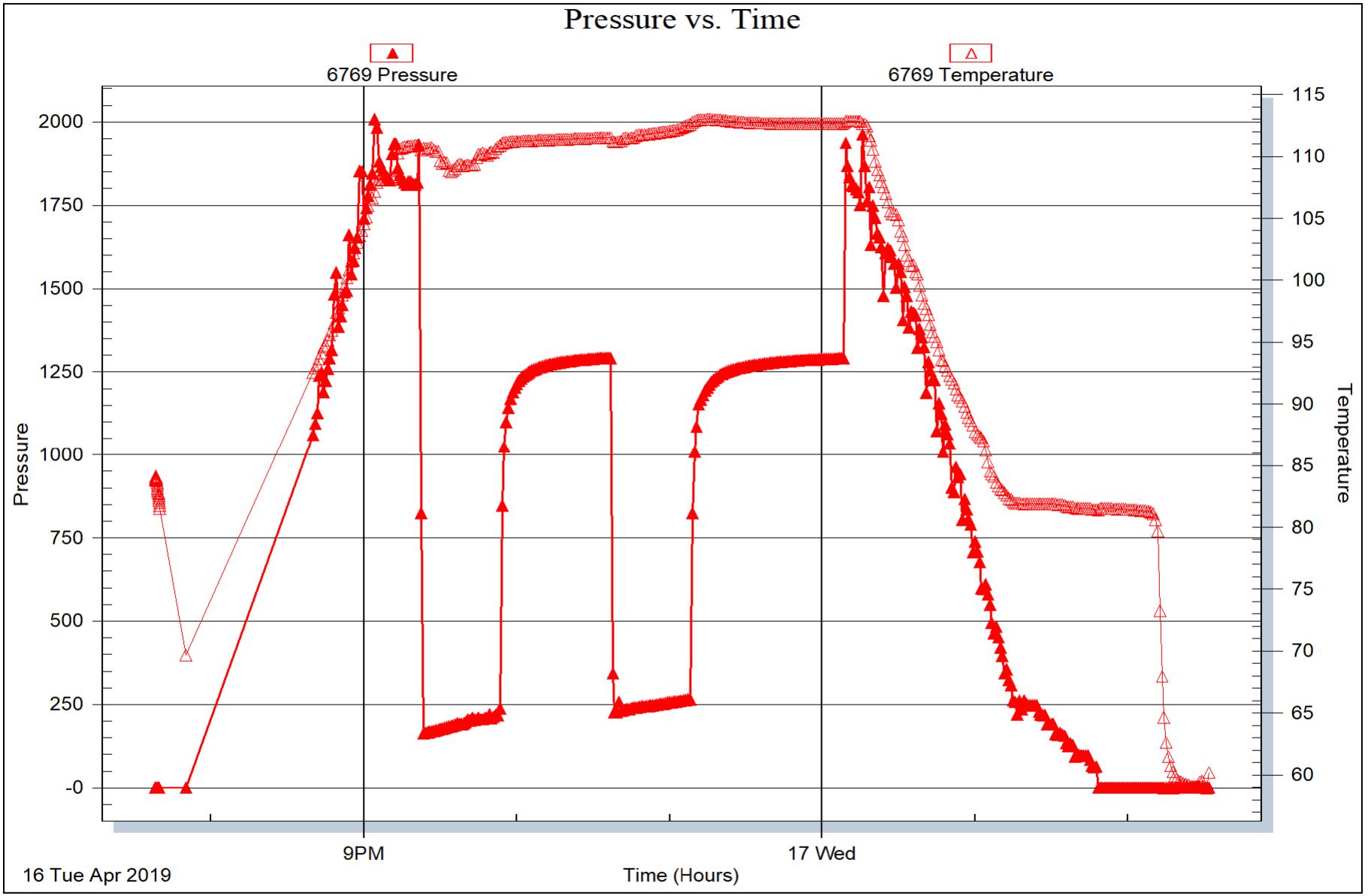
Recovery Comments: .427@59.7

Serial #: 6772 **Inside** Rama Operating Co Inc J. Meyer 3-28 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 65779 Printed: 2019.04.19 @ 09:56:29

Serial #: 6769 **Outside** Rama Operating Co Inc J. Meyer 3-28 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 65779 Printed: 2019.04.19 @ 09:56:29

DRILL STEM TEST REPORT

Prepared For: **Rama Operating Co Inc**

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

J. Meyer 3-28

28-23s-12w Stafford,KS

Start Date: 2019.04.17 @ 08:41:00
End Date: 2019.04.17 @ 15:36:50
Job Ticket #: 65780 DST #: 4

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

Printed: 2019.04.19 @ 09:52:48

DRILL STEM TEST REPORT

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65780 **DST#: 4**

Test Start: 2019.04.17 @ 08:41:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:07:40
Time Test Ended: 15:36:50

Test Type: Conventional Bottom Hole (Initial)
Tester: Benny Mulligan
Unit No: 66

Interval: 3833.00 ft (KB) To 3838.00 ft (KB) (TVD)
Total Depth: 3838.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

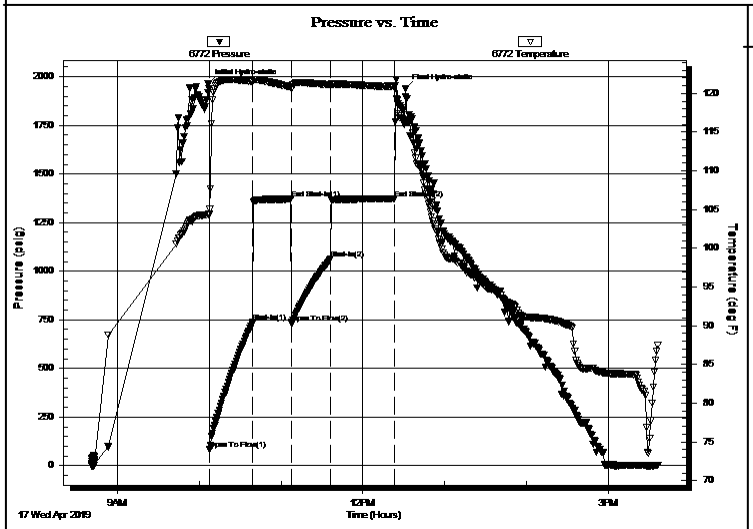
Reference Elevations: 1868.00 ft (KB)
1857.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772 **Inside**

Press@RunDepth: 1061.61 psig @ 3835.00 ft (KB)
Start Date: 2019.04.17 End Date: 2019.04.17
Start Time: 08:41:01 End Time: 15:36:50

Capacity: 8000.00 psig
Last Calib.: 2019.04.17
Time On Btm: 2019.04.17 @ 10:06:30
Time Off Btm: 2019.04.17 @ 12:31:10

TEST COMMENT: I.F-30- BOB 1 min 40 sec total build 247"
I.S.I.-30- w eak low back
F.F--30-BOB 1 min 45 sec total build 191"
F.S.I.-45-1/2" blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.48	104.38	Initial Hydro-static
2	84.66	105.04	Open To Flow (1)
33	736.69	121.55	Shut-In(1)
61	1371.15	120.83	End Shut-In(1)
62	731.52	120.58	Open To Flow (2)
90	1061.61	121.10	Shut-In(2)
137	1371.38	120.88	End Shut-In(2)
145	1937.22	116.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1856.00	W. 100%W	24.08
256.00	S.O.C.W. 10%O 90%W	3.59
128.00	G.W.O. 20%G 20%W 60%O	1.80
128.00	M.C.O 10%M 90%O	1.80

Gas Rates

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

DRILL STEM TEST REPORT

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65780 **DST#: 4**

Test Start: 2019.04.17 @ 08:41:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:07:40
Time Test Ended: 15:36:50

Test Type: Conventional Bottom Hole (Initial)
Tester: Benny Mulligan
Unit No: 66

Interval: 3833.00 ft (KB) To 3838.00 ft (KB) (TVD)
Total Depth: 3838.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

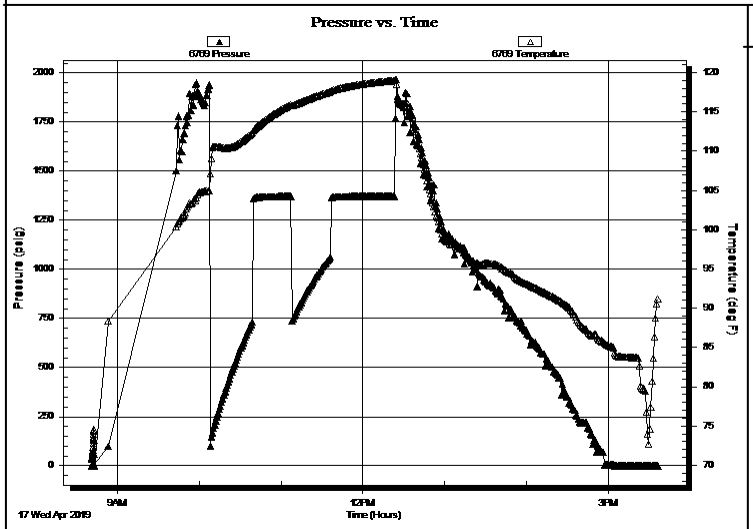
Reference Elevations: 1868.00 ft (KB)
1857.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6769 **Outside**

Press@RunDepth: psig @ 3835.00 ft (KB)
Start Date: 2019.04.17 End Date: 2019.04.17
Start Time: 08:41:01 End Time: 15:36:50

Capacity: 8000.00 psig
Last Calib.: 2019.04.17
Time On Btm:
Time Off Btm:

TEST COMMENT: I.F-30- BOB 1 min 40 sec total build 247"
I.S.I.-30- w eak low back
F.F--30-BOB 1 min 45 sec total build 191"
F.S.I.-45-1/2" blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1856.00	W. 100%W	24.08
256.00	S.O.C.W. 10%O 90%W	3.59
128.00	G.W.O. 20%G 20%W 60%O	1.80
128.00	M.C.O 10%M 90%O	1.80

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65780 **DST#: 4**

Test Start: 2019.04.17 @ 08:41:00

Tool Information

Drill Pipe:	Length:	3630.00 ft	Diameter:	3.80 inches	Volume:	50.92 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	215.00 ft	Diameter:	2.25 inches	Volume:	1.06 bbl	Weight to Pull Loose:		80000.00 lb
					Total Volume:	51.98 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		32.00 ft					String Weight:	Initial	68000.00 lb
Depth to Top Packer:		3833.00 ft						Final	78000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		5.00 ft							
Tool Length:		25.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3814.00		
Shut In Tool	5.00			3819.00		
Hydraulic tool	5.00			3824.00		
Packer	5.00			3829.00	20.00	Bottom Of Top Packer
Packer	4.00			3833.00		
Stubb	1.00			3834.00		
Perforations	1.00			3835.00		
Recorder	0.00	6772	Inside	3835.00		
Recorder	0.00	6769	Outside	3835.00		
Bullnose	3.00			3838.00	5.00	Bottom Packers & Anchor
Total Tool Length:	**25.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Rama Operating Co Inc

101 S. Main St
Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford,KS

J. Meyer 3-28

Job Ticket: 65780 **DST#: 4**

Test Start: 2019.04.17 @ 08:41:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	35 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	22000 ppm
Viscosity:	72.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7100.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

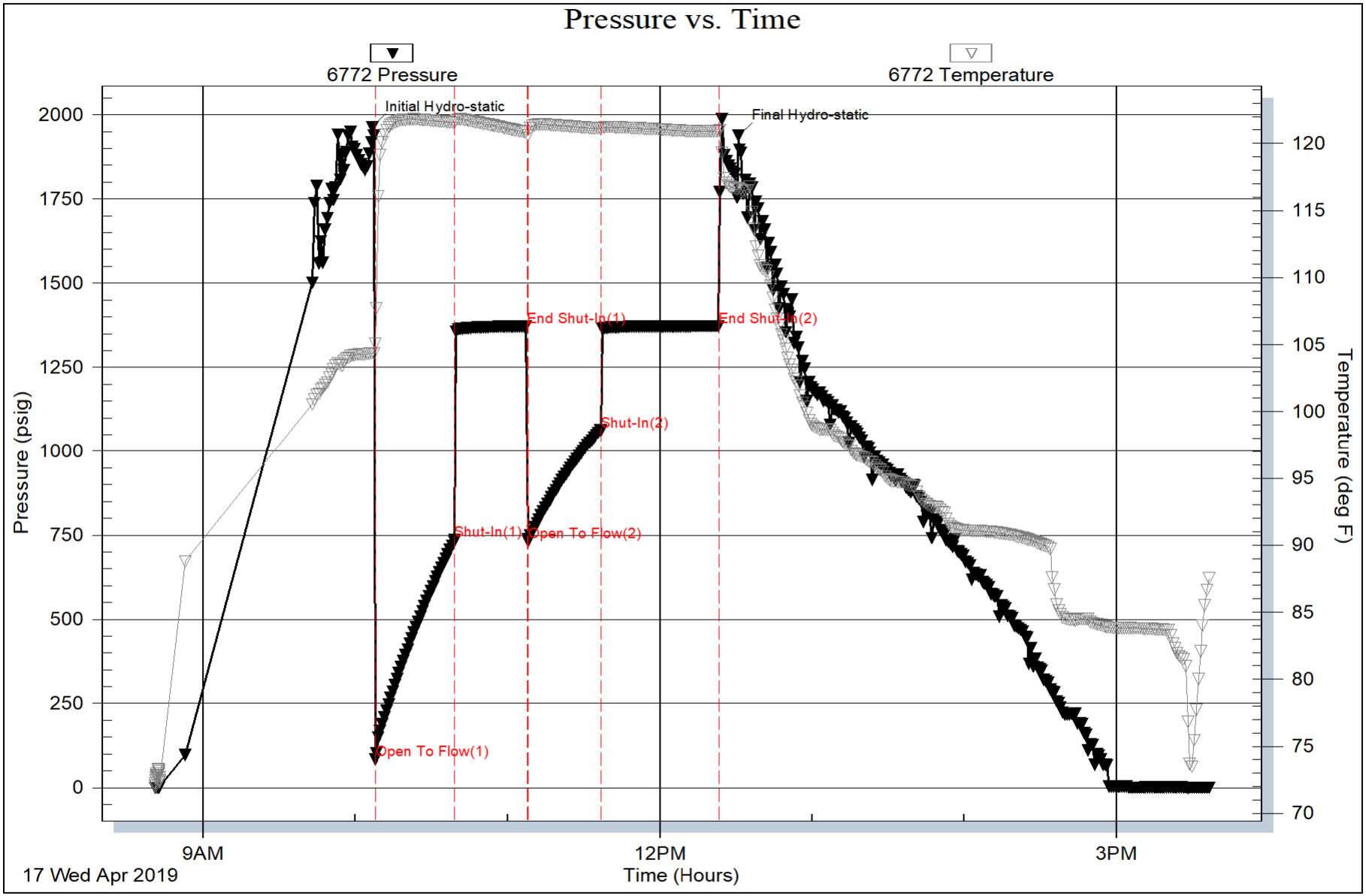
Recovery Table

Length ft	Description	Volume bbl
1856.00	W. 100%W	24.076
256.00	S.O.C.W. 10%O 90%W	3.591
128.00	G.W.O. 20%G 20%W 60%O	1.796
128.00	M.C.O 10%M 90%O	1.796

Total Length: 2368.00 ft Total Volume: 31.259 bbl

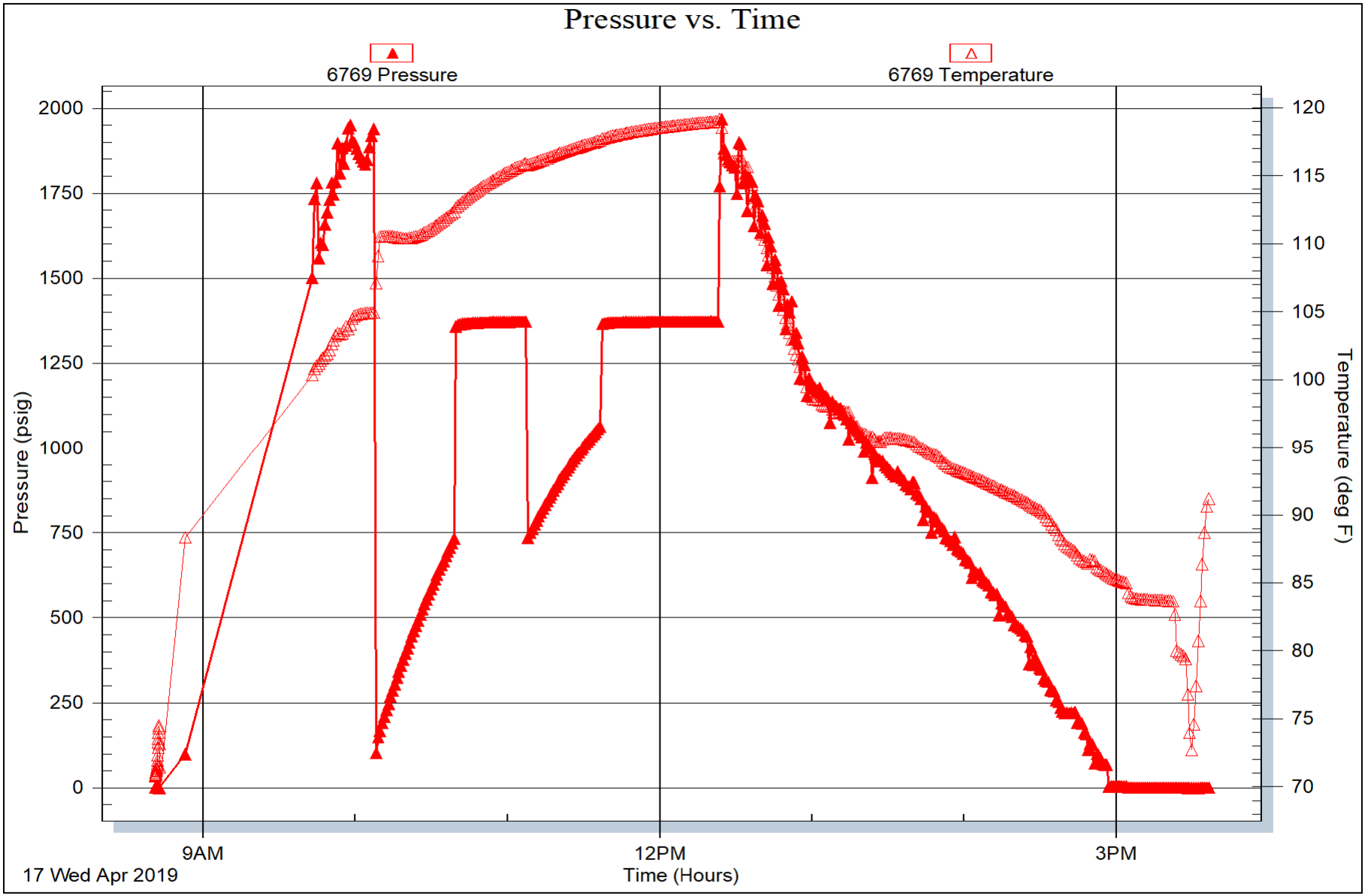
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .203@90.4

Serial #: 6772 **Inside** Rama Operating Co Inc J. Meyer 3-28 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 65780 Printed: 2019.04.19 @ 09:52:50

Serial #: 6769 **Outside** Rama Operating Co Inc J. Meyer 3-28 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 65780 Printed: 2019.04.19 @ 09:52:50

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65777

NO.

Well Name & No. J. Meyer 3-28 Test No. 1 Date 4-16-2019

Company Rama Operating Co Inc Elevation 1868 KB 1857 GL

Address 101 S main St Stafford KS 67578 + 1429

Co. Rep / Geo. Josh Austin Rig Sterling 4

Location: Sec. 28 Twp 23s Rge. 12w Co. Stafford State KS

Interval Tested 3744-3828 Zone Tested Arbuckle

Anchor Length 84' Drill Pipe Run 3526 Mud Wt. 9.3

Top Packer Depth 3739 Drill Collars Run 215 Vis 67

Bottom Packer Depth 3744 Wt. Pipe Run — WL 8.0

Total Depth 3828 Chlorides 5500 ppm System LCM Tr

Blow Description IF - ~~Bob~~ built to 5"

ISI - no blow back

FF - built to 1"

FSI - no blow back

Rec 20'	Feet of M	%gas	%oil	%water 100	%mud
Rec 120	Feet of O.S.M.	%gas	2 %oil	%water 98	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 140' BHT 114 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1961	☒ Test 1200	T-On Location 9:45 PM
(B) First Initial Flow 24	☐ Jars	T-Started 10:34
(C) First Final Flow 58	☐ Safety Joint	T-Open 1:20 AM
(D) Initial Shut-In 1238	☐ Circ Sub	T-Pulled 3:50
(E) Second Initial Flow 66	☐ Hourly Standby	T-Out 6:03
(F) Second Final Flow 92	☒ Mileage 60m. RT 60	Comments
(G) Final Shut-In 1237	☐ Sampler	
(H) Final Hydrostatic 1915	☐ 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 0
Final Shut-In 45	☐ Accessibility	Total 1260
	Sub Total 1260	MP/DST Disc't

Approved By [signature] Our Representative Benny Mulligan

Tritobite 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 65778

NO.

Well Name & No. J. Meyer 3-28 Test No. 2 Date 4-16-2019

Company Rama Operating Co Inc Elevation 1868 KB 1857 GL

Address 101 S main St Stafford KS 67578 + 1429

Co. Rep / Geo. Josh Austin Rig Sterling Rig 4

Location: Sec. 28 Twp 23S Rge. 12W Co. Stafford State KS

Interval Tested 3744-3838 Zone Tested Arbuckle

Anchor Length 88' Drill Pipe Run 3526 Mud Wt. 9.45

Top Packer Depth 3739 Drill Collars Run 215 Vis 72

Bottom Packer Depth 3744 Wt. Pipe Run — WL 9.6

Total Depth 3838 Chlorides 7100 ppm System LCM 1/2 #

Blow Description IF-

IST- Miss Run

FF-

FSI-

Rec ____ Feet of ____ %gas ____ %oil ____ %water ____ %mud

Rec ____ Feet of ____ %gas ____ %oil ____ %water ____ %mud

Rec ____ Feet of ____ %gas ____ %oil ____ %water ____ %mud

Rec ____ Feet of ____ %gas ____ %oil ____ %water ____ %mud

Rec ____ Feet of ____ %gas ____ %oil ____ %water ____ %mud

Rec Total ____ BHT ____ Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic	☒ Test 950	T-On Location 2:20 PM
(B) First Initial Flow	☐ Jars	T-Started 2:48
(C) First Final Flow	☐ Safety Joint	T-Open
(D) Initial Shut-In	☐ Circ Sub	T-Pulled
(E) Second Initial Flow	☐ Hourly Standby	T-Out 7:16
(F) Second Final Flow	☒ Mileage 60mi RT 60	Comments
(G) Final Shut-In	☐ Sampler	
(H) Final Hydrostatic	☐ Straddle	☐ EM Tool
	☐ Shale Packer	☐ Ruined Shale Packer
Initial Open	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In	☐ Extra Recorder	☐ Extra Copies
Final Flow	☐ Day Standby	Sub Total 0
Final Shut-In	☐ Accessibility	Total 1010
	Sub Total 1010	MP/DST Disc't

Approved By ____ Our Representative Benny Mulligan

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 65779

NO.

Well Name & No. J. Meyer 3-28 Test No. 3 Date 4-16-2019

Company Rama Operating Co Inc Elevation 1868 KB 1857 GL

Address 101 S main st Stafford KS 67578+1429

Co. Rep / Geo. Josh Austin Rig Sterling Rig 4

Location: Sec. 28 Twp 23S Rge. 12W Co. Stafford State KS

Interval Tested 3740 - 3832 Zone Tested Arbuckle

Anchor Length 92' Drill Pipe Run 3526 Mud Wt. 9.45

Top Packer Depth 3735 Drill Collars Run 215 Vis 72

Bottom Packer Depth 3740 Wt. Pipe Run WL 9.6

Total Depth 3832 Chlorides 7100 ppm System LCM 1/2#

Blow Description IF- BOB 20 mins total build 14"

ISI- no blow back

FF- built to 10 1/2"

FSI- no blow back

Rec 340'	Feet of M.	%gas	%oil	%water 100	%mud	
Rec 180'	Feet of O.S.W.M.	%gas	%oil 20	%water 80	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 520' BHT 113 Gravity ____ API RW .427 @ 59.7 °F Chlorides 18,000 ppm

(A) Initial Hydrostatic 1950	☒ Test 1200	T-On Location	
(B) First Initial Flow 160	☐ Jars	T-Started 7:38 PM	
(C) First Final Flow 212	☐ Safety Joint	T-Open 9:25	
(D) Initial Shut-In 1292	☐ Circ Sub	T-Pulled 12:08	
(E) Second Initial Flow 223	☐ Hourly Standby	T-Out 2:24	
(F) Second Final Flow 264	☒ Mileage	Comments	
(G) Final Shut-In 1290	☐ Sampler		
(H) Final Hydrostatic 1900	☐ 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 0	
Final Shut-In 60	☐ Accessibility	Total 1200	
	Sub Total 1200	MP/DST Disc't	

Approved By ____ Our Representative Benny Mulligan

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 65780

NO.

Well Name & No. J. Meyer 3-28 Test No. 4 Date 4-17-2019

Company Rama Operating Co Inc Elevation 1868 KB 1857 GL

Address 101 S main St Stafford KS 67578 + 1429

Co. Rep / Geo. Josh Austin Rig Sterling Rig 4

Location: Sec. 28 Twp 25s Rge. 12w Co. Stafford State KS

Interval Tested 3833-3838 Zone Tested Arbuckle

Anchor Length ~~3838~~ 5' Drill Pipe Run 3615 Mud Wt. 9.45

Top Packer Depth ~~3833~~ 3828 Drill Collars Run 215 Vis 72

Bottom Packer Depth ~~3838~~ 3833 Wt. Pipe Run — WL 9.6

Total Depth 3838 Chlorides 7100 ppm System LCM 1/2#

Blow Description IF- BOB 1min 40sec total build 2.47"

ISI- weak surface blow back

FF- BOB 1min 45sec total build 1.91"

FSI- 1/2" blow back

Rec 128	Feet of M.C.O.		%gas	90	%oil		%water	10	%mud
Rec 128	Feet of G.W.O.	20	%gas	60	%oil	20	%water		%mud
Rec 256	Feet of S.O.C.W.		%gas	10	%oil	90	%water		%mud
Rec 1856	Feet of W		%gas		%oil	100	%water		%mud
Rec	Feet of		%gas		%oil		%water		%mud

Rec Total 2,368 BHT 116 Gravity 35 API RW .203 @ 90.4 °F Chlorides 22,000 ppm

(A) Initial Hydrostatic	1962	☒ Test	1200	T-On Location	8:15 AM
(B) First Initial Flow	84	☐ Jars		T-Started	8:41
(C) First Final Flow	736	☐ Safety Joint		T-Open	10:07
(D) Initial Shut-In	1371	☐ Circ Sub		T-Pulled	12:22 PM
(E) Second Initial Flow	731	☐ Hourly Standby		T-Out	3:37
(F) Second Final Flow	1061	☒ Mileage	60mi RT 60	Comments	Loaded tools after DST 4
(G) Final Shut-In	1371	☐ Sampler			
(H) Final Hydrostatic	1937	☐ Straddle		☐ EM Tool	
		☐ Shale Packer		☐ Ruined Shale Packer	
Initial Open	30	☐ Extra Packer		☐ Ruined Packer	
Initial Shut-In	30	☐ Extra Recorder		☐ Extra Copies	
Final Flow	30	☐ Day Standby		Sub Total	0
Final Shut-In	45	☐ Accessibility		Total	1260
		Sub Total	1260	MP/DST Disc't	

Approved By _____ Our Representative Benny Mulligan

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