

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Lebsack Oil Production Inc.
Well Name	PFEIFER-AMYX 1
Doc ID	1376872

Tops

Name	Top	Datum
Heebner	3807	-891
Toronto	3818	-902
Lansing	3906	-990
Base KC	4308	-1392
Marmaton	4336	-1420
Pawnee	4412	-1496
Ft. Scott	4445	-1529
Mississippi	4682	-1766
RTD	4860	-1944



Joshua R. Austin

Petroleum Geologist

report for



Lebsack Oil Production, Inc.

COMPANY: Lebsack Oil Production, Inc.

LEASE: Pfeifer-Amyx #1

FIELD: West Damme Ext.

LOCATION: 2200' FSL & 440' FWL

SEC: 7 TWSP: 22s RGE: 33w

COUNTY: Finney STATE: Kansas

KB: 2917 GL: 2904'

API # 15-055-22473-00-00

CONTRACTOR: Sterling Drilling Company (rig #5)

Spud: 12/04/17

Comp: 12/10/2017

RTD: 4860'

LTD: 4859'

Mud Up: 3400'

Type Mud: Chemical was displaced

Samples Saved From: 3600' to RTD.

Drilling Time Kept From: 3600' to RTD.

Samples Examined From: 3600' to RTD.

Geological Supervision From: 3850' to RTD.

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 478'

Production Casing: 5 1/2" @ 4854'

Electronic Surveys: Pioneer Energy Services

NOTES

On the basis of the positive structural position and after reviewing the electric logs it was recommended by all parties involved in the Pfeifer-Amyx #1 to run 5 1/2" production casing to further test the St. Louis 'C' zone from 4762-4768.

Respectfully submitted:

Joshua Austin

Lebsack Oil Production, Inc.

well comparison sheet

	DRILLING WELL				COMPARISON WELL				COMPARISON WELL				COMPARISON WELL			
	Pfeifer Amyx #1				Garden City #8-12				Garden City #3-12				Garden City #1-7			
	2917 KB				2920 KB				2919 KB				2914 KB			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	2016	901			2020	900	1		2014	905	-4		2018	896	5	
B/ Anhydrite	2034	883			2032	888	-5		2028	891	-8		2032	882	1	
Heebner	3789	-872	3792	-875	3788	-868	-4	-7	3784	-865	-7	-10	3798	-884	12	9
Toronto	3802	-885	3805	-888	3801	-881	-4	-7	3800	-881	-4	-7	3808	-894	9	6
Lansing	3881	-964	3881	-964	3878	-958	-6	-6	3875	-956	-8	-8	3891	-977	13	13
base porosity	4154	-1237	4155	-1238	4154	-1234	-3	-4	4149	-1230	-7	-8	4157	-1243	6	5
Base KC	4312	-1395	4309	-1392	4302	-1382	-13	-10	4299	-1380	-15	-12	4308	-1394	-1	2
Marmaton	4339	-1422	4337	-1420	4328	-1408	-14	-12	4325	-1406	-16	-14	4335	-1421	-1	1
Pawnee	4409	-1492	4414	-1497	4403	-1483	-9	-14	4404	-1485	-7	-12	4411	-1497	5	0
Ft. Scott	4443	-1526	4445	-1528	4440	-1520	-6	-8	4438	-1519	-7	-9	4440	-1526	0	-2
Cherokee Sh.	4454	-1537	4450	-1533	4446	-1526	-11	-7	4444	-1525	-12	-8	4450	-1536	-1	3
Morrow Shale	4635	-1718	4639	-1722	4632	-1712	-6	-10	4630	-1711	-7	-11	4630	-1716	-2	-6
Mississippi	4688	-1771	4691	-1774	4682	-1762	-9	-12	4661	-1742	-29	-32	4676	-1762	-9	-12
St. Louis C	4763	-1846	4762	-1845	4764	-1844	-2	-1	4758	-1839	-7	-6	4762	-1848	2	3
RTD	4860	-1943			4860	-1940			4860	-1941			4860	-1946		
LTD	4859	-1942			4869	-1949			4860	-1941			4858	-1944		



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack oil Production Inc.
 P.O. Box 354 Chase, KS 67524
 ATTN: Josh Austin

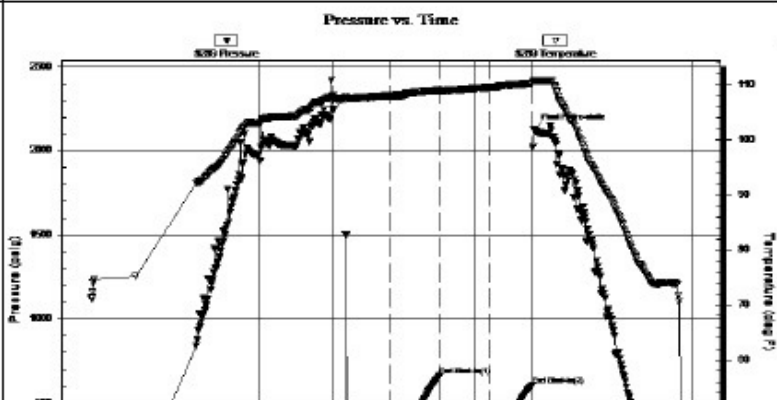
7/22/33 Finney, KS
Pfeifer-Amyx 1
 Job Ticket: 64106 DST#: 1
 Test Start: 2017.12.08 @ 12:40:00

GENERAL INFORMATION:

Formation: Pawnee	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: 2916.00 ft (KB)	Tester: Chris Hagman
Time Tool Opened: 16:01:40	Unit No: 75
Time Test Ended: 20:59:00	Reference Elevations: 2916.00 ft (KB)
Interval: 4397.00 ft (KB) To 4430.00 ft (KB) (TVD)	2904.00 ft (CF)
Total Depth: 4430.00 ft (KB) (TVD)	KB to GR/CF: 12.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Good

Serial #: 8289 Inside	Capacity: 8000.00 psig
Press@RunDepth: 43.91 psig @ 4402.00 ft (KB)	Last Calib.: 1899.12.30
Start Date: 2017.12.08 End Date: 2017.12.08	Time On Btm: 2017.12.08 @ 16:01:15
Start Time: 12:40:02 End Time: 20:59:00	Time Off Btm: 2017.12.08 @ 18:48:35

TEST COMMENT: IF: Weak surface blow, died 5 sec. Flushed, no change
 IS: No blow back
 FF: No blow
 FS: No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.78	108.04	Initial Hydro-static
1	73.32	107.38	Open To Flow (1)
47	43.74	108.06	Shut-In(1)
89	659.50	109.00	End Shut-In(1)
89	73.73	108.67	Open To Flow (2)
130	43.91	109.55	Shut-In(2)
166	602.70	110.22	End Shut-In(2)
168	2129.06	110.82	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lebsack oil Production Inc.
P.O. Box 354 Chase, KS 67524
ATTN: Josh Austin

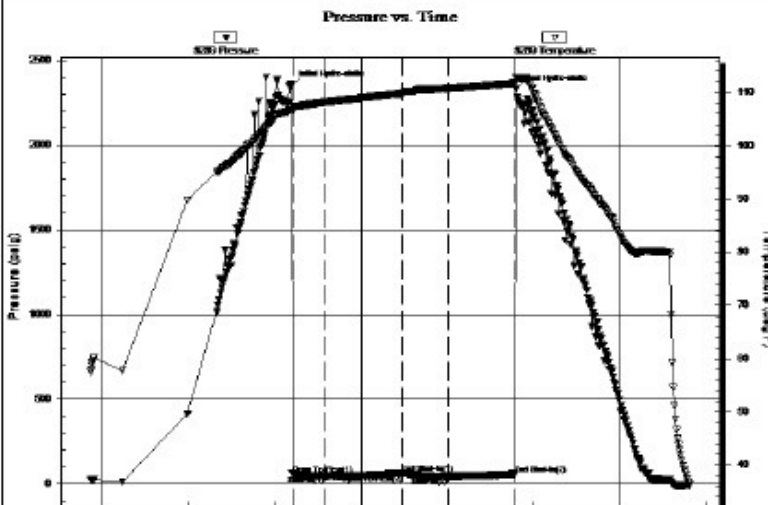
7/22/33 Finney, KS
Pfeifer-Amyx 1
Job Ticket: 64107 DST#:2
Test Start: 2017.12.09 @ 11:52:00

GENERAL INFORMATION:

Formation: **Morrow Sand**
 Deviated: **No Whipstock: 2916.00 ft (KB)**
 Time Tool Opened: **14:11:50**
 Time Test Ended: **18:48:15**
 Interval: **4630.00 ft (KB) To 4680.00 ft (KB) (TVD)**
 Total Depth: **4680.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Chris Hagman**
 Unit No: **75**
 Reference Elevations: **2916.00 ft (KB)**
2904.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8289 **Inside**
 Press@RunDepth: **47.49 psig @ 4633.00 ft (KB)**
 Start Date: **2017.12.09** End Date: **2017.12.09**
 Start Time: **11:52:02** End Time: **18:48:15**
 Capacity: **8000.00 psig**
 Last Calib.: **1899.12.30**
 Time On Btn: **2017.12.09 @ 14:11:25**
 Time Off Btn: **2017.12.09 @ 16:47:09**

TEST COMMENT: IF: Weak surface blow, died 10 min.
 IS: No blow back
 FF: No blow
 FS: No blow back









PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2350.98	106.91	Initial Hydro-static
1	59.56	106.38	Open To Flow (1)
23	49.08	108.21	Shut-In(1)
77	65.30	109.81	End Shut-In(1)
77	59.61	109.82	Open To Flow (2)
109	47.49	110.78	Shut-In(2)
155	59.95	111.78	End Shut-In(2)
156	2329.89	112.90	Final Hydro-static

Recovery			Gas Rates		
Length (ft)	Description	Volume (bbl)	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
10.00	mud 100%M	0.05			

ROCK TYPES





 sdy lmst	 shale, grn	 Carbon Sh
 Lmst fw7>	 shale, gry	 Ss

ACCESSORIES

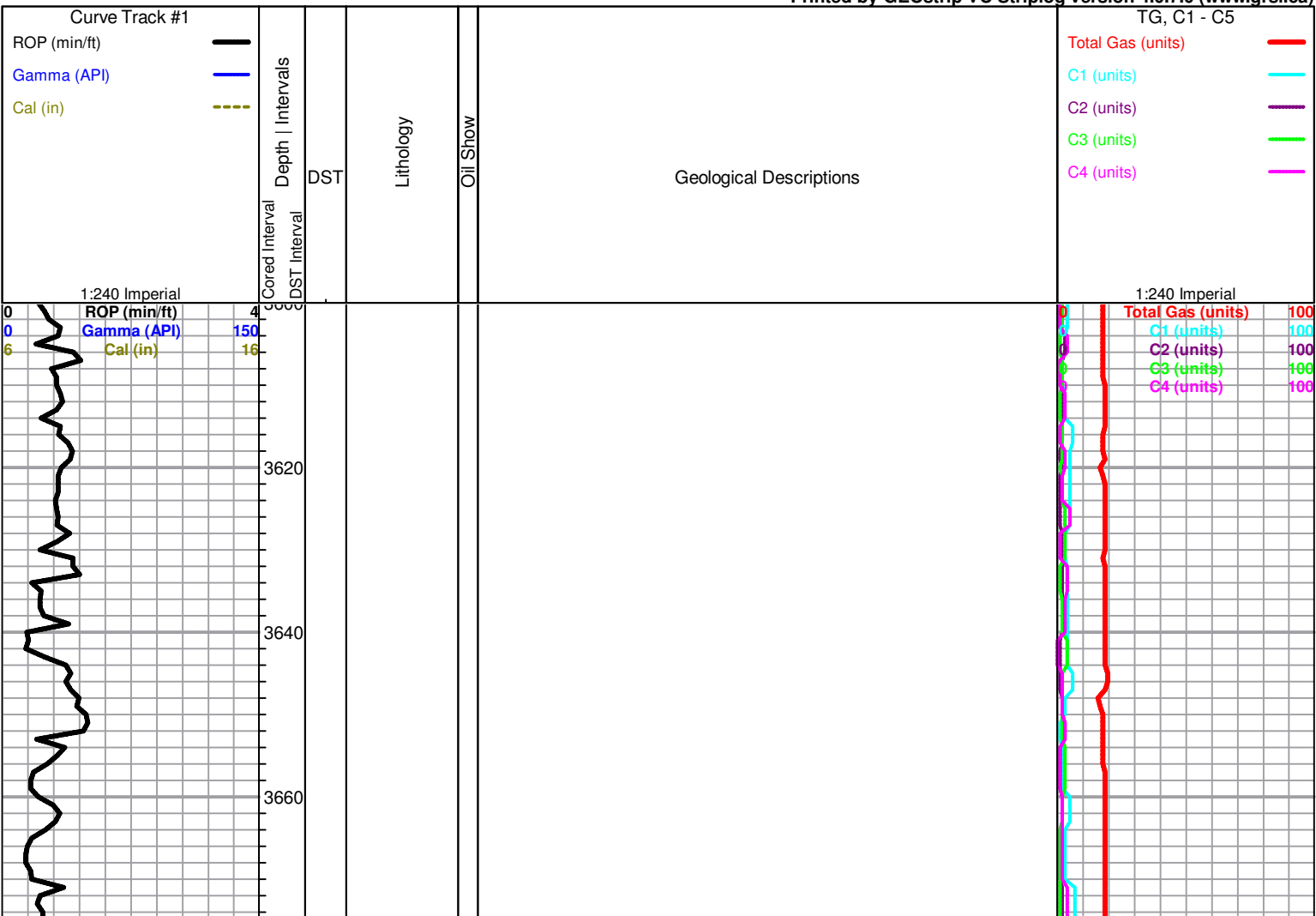
MINERAL	FOSSIL	TEXTURE
▲ Chert, dark	⚙ Oomoldic	C Chalky
∟ Dolomitic		
∩ Glauconite		
△ Chert White		

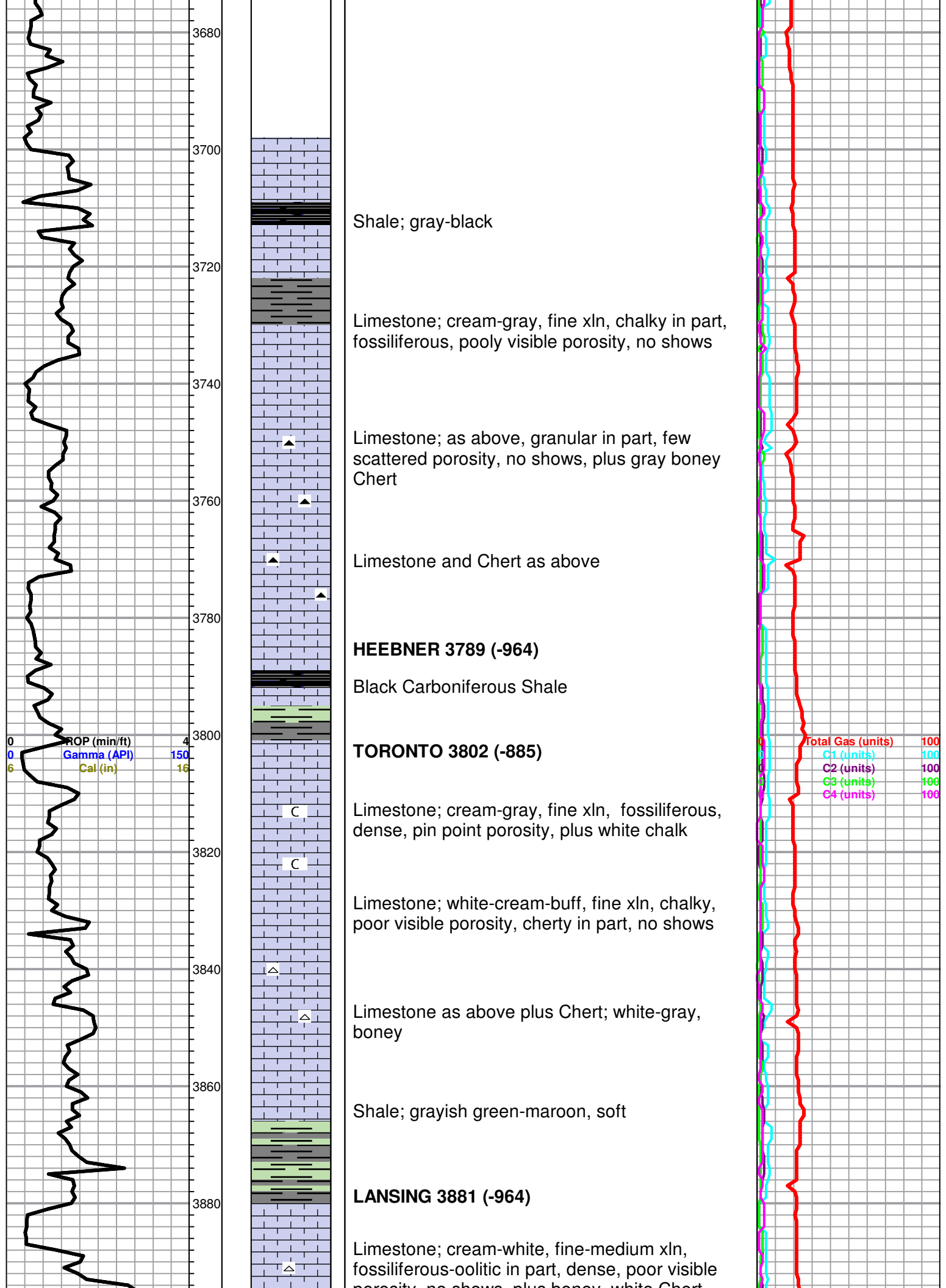
OTHER SYMBOLS

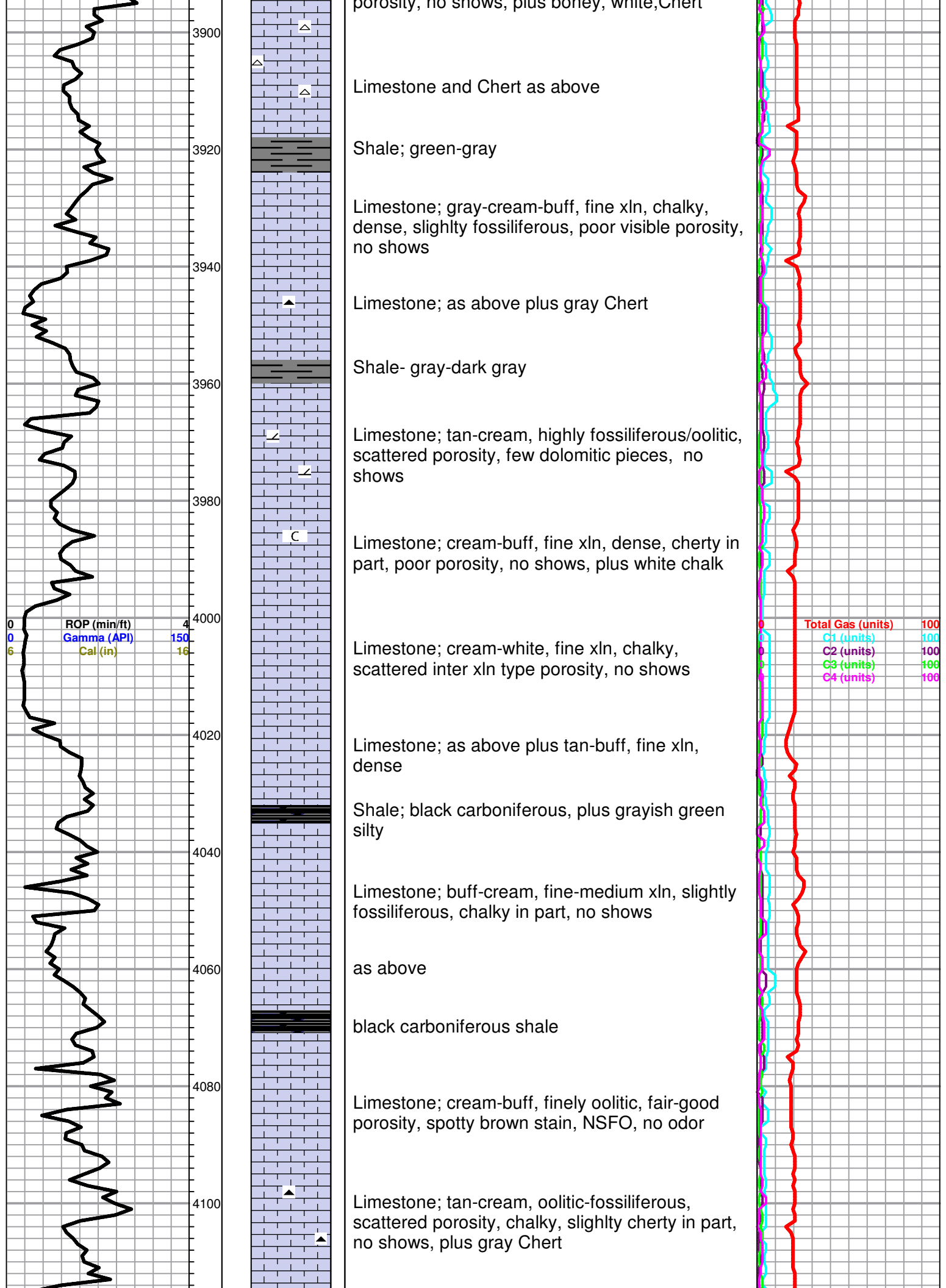
DST

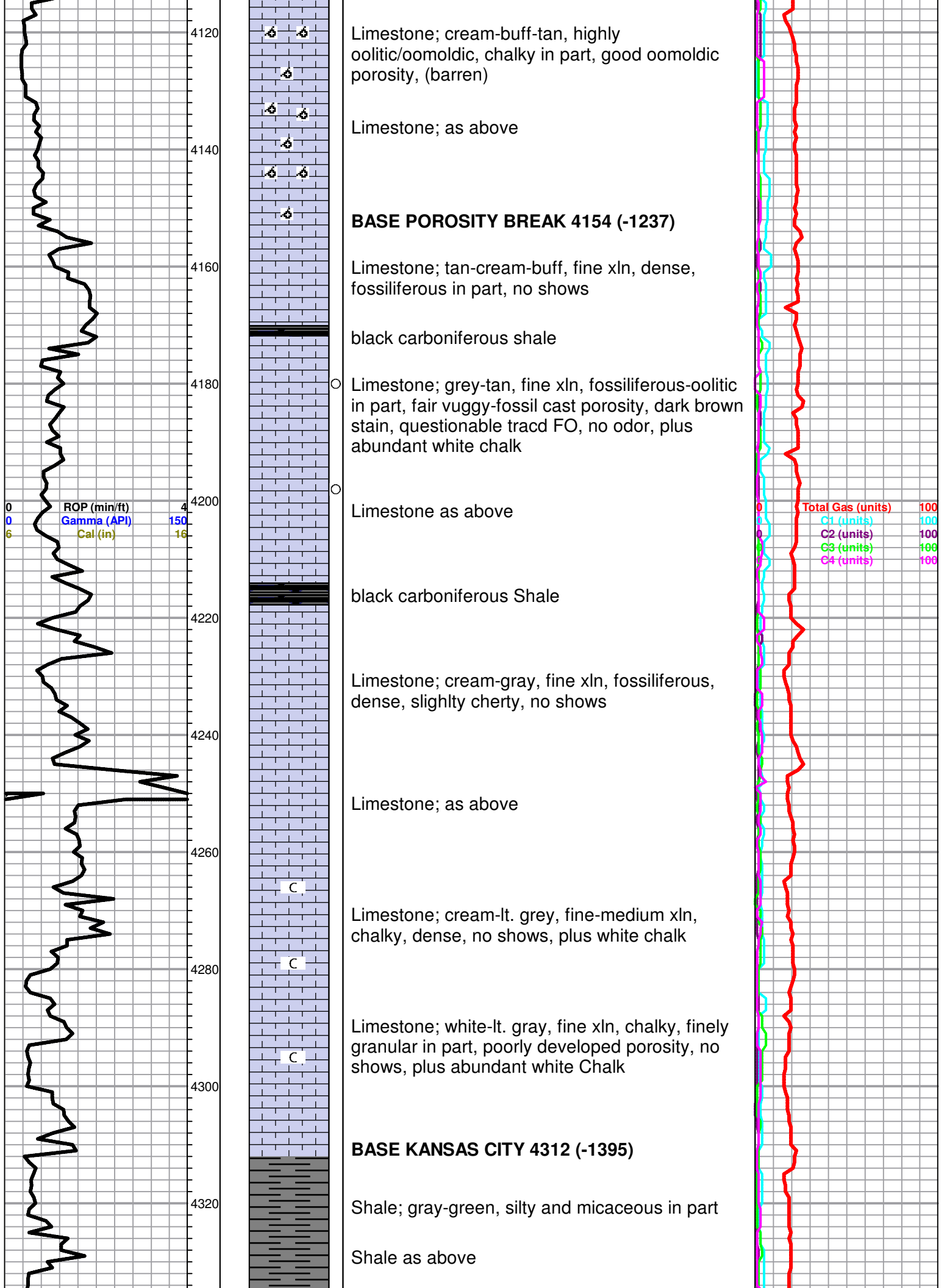
 DST Int
 DST alt
 Core
 tail pipe

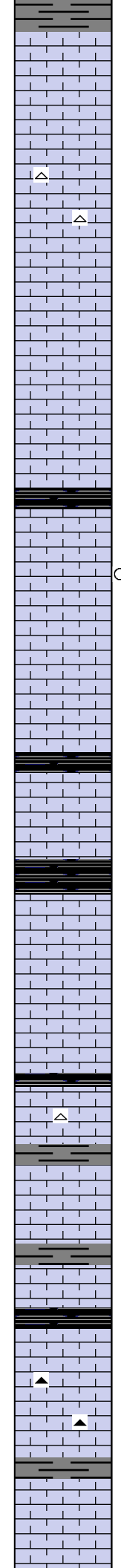
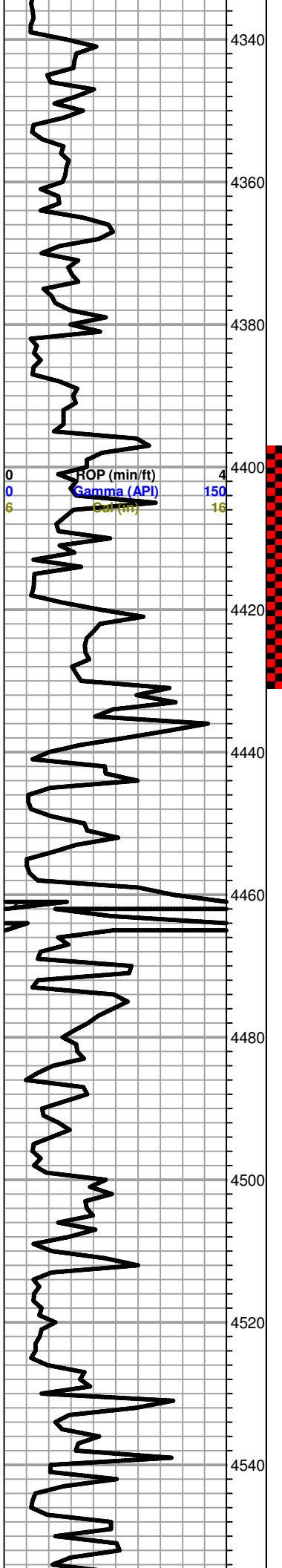
Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)











MARMATON 4339 (-1422)

Limestone; cream-buff, oolitic in part, chalky, few scattered porosity, no shows

Limestone; cream-gray, fine xln, chalky, fossiliferous, cherty, poor porosity, no shows, Chert, opaque, boney

Limestone; tan-buff, fossiliferous, oolitic, sub oomoldic porosity, brown spotty stain, SFO, very faint odor

Limestone; gray-dark gray, fine xln, chalky, slightly fossiliferous, no shows

black carboniferous shale

PAWNEE 4409 (-1492)

Limestone; cream, fine xln, finely oolitic, chalky in part, inter xln type porosity, spotty brown stain, spotty SFO, faint odor

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

black carboniferous shale

FT. SCOTT 4443 (-1526)

Limestone cream-buff, fine xln, chalky, slightly fossiliferous, few inter xln-vuggy type porosity, trace brown stain, NSFO, no odor

CHEROKEE 4454 (-1537)

black carboniferous shale

Limestone; cream-lt. gray, fine xln, dense, cherty in part, poor visible porosity, no show

plus white-translucent Chert

black carboniferous shale

Limestone; cream-buff-tan, slightly dolomitic in part, plus white, boney, fossiliferous, Chert

gray-green-marron shale

Limestone; cream, chalky, mottled, no shows

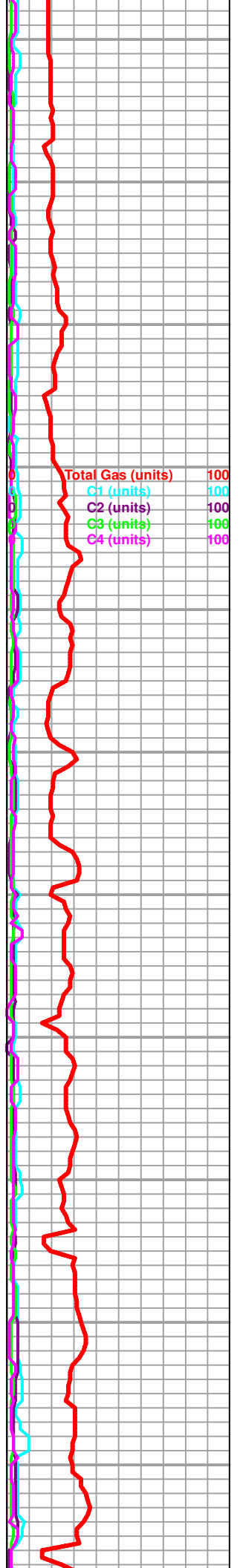
gray-green shale

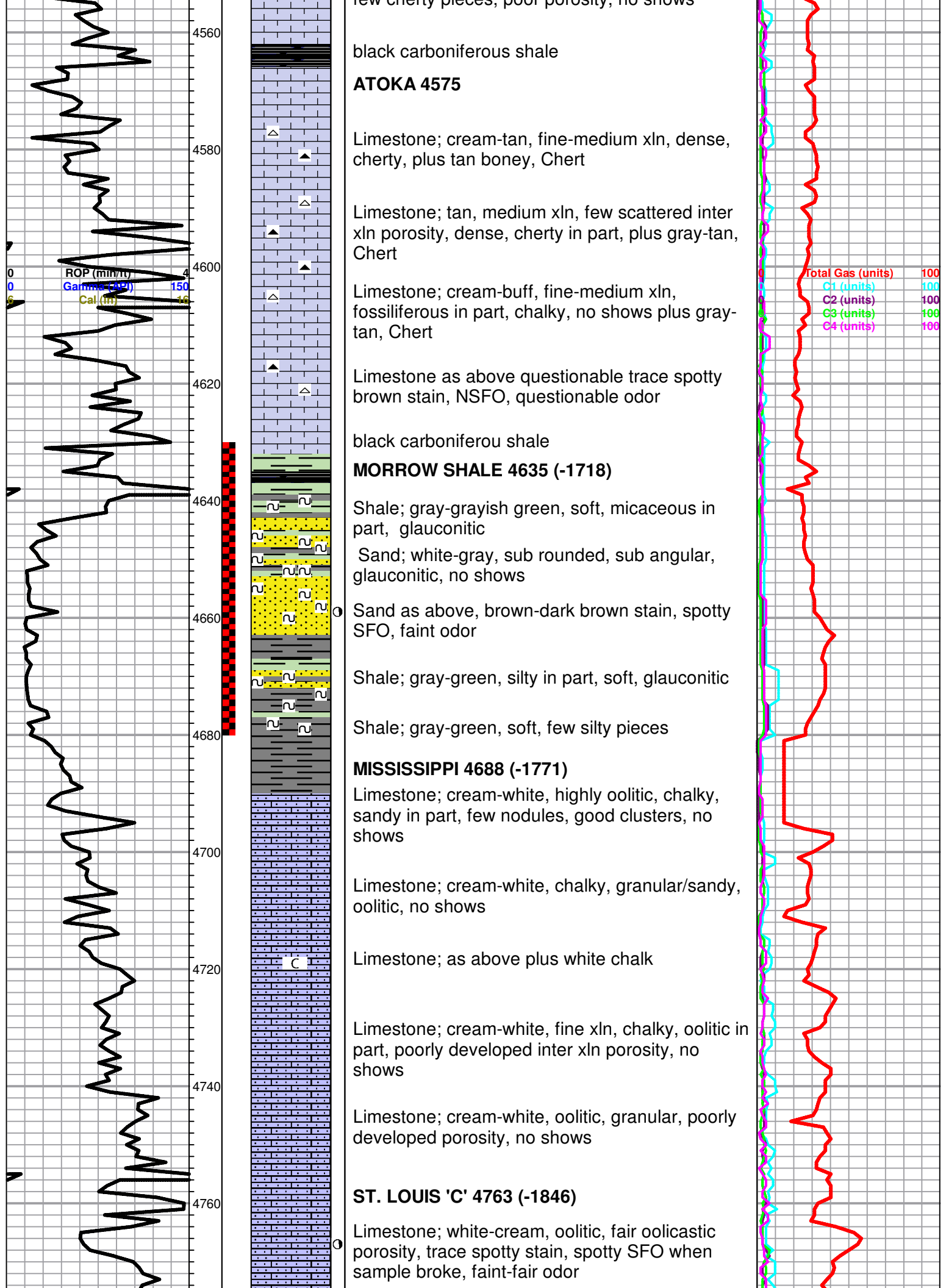
black carboniferous shale

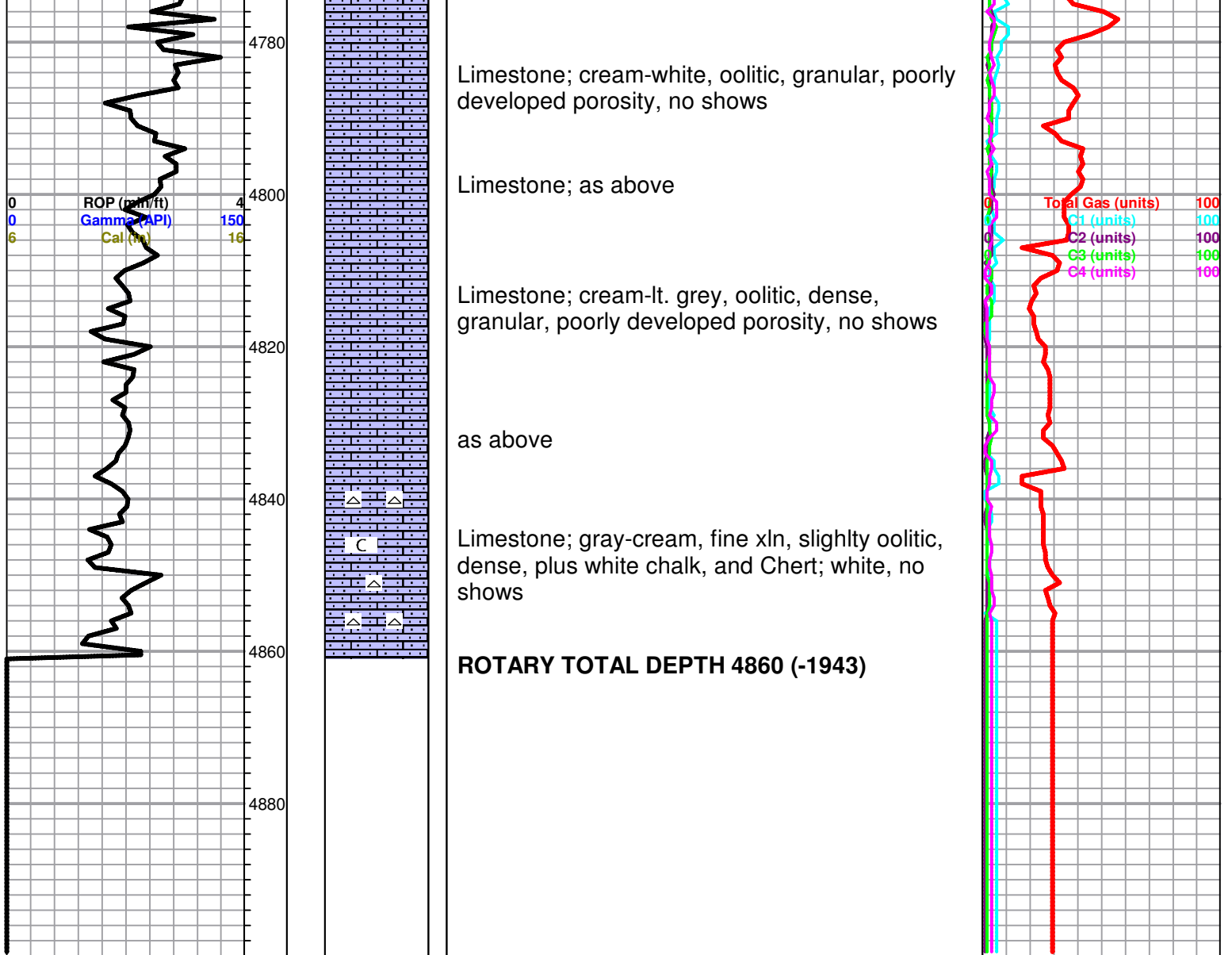
Limestone; cream-tan, fine xln, chalky in part, few "sandy" pieces, plus Chert; tan, boney, no shows

dark gray shale

Limestone; buff-cream-lt. gray, granular in part, few cherty pieces, poor porosity, no shows









Energy services, L.P.

TREATMENT REPORT

Customer <i>Lebsack Oil</i>		Lease No.		Date <i>12/5/17</i>	
Lease <i>Heiber Amyx</i>		Well # <i>1</i>			
Field Order # <i>16198</i>	Station <i>Plato KS</i>	Casing <i>8 5/8</i>	Depth	County <i>Finney</i>	State <i>KS</i>
Type Job			Formation	Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<i>8 5/8</i>				Pre Pad	Max		5 Min.
Depth <i>483.79</i>	Depth	From	To	Pad	Min		10 Min.
Volume	Volume	From	To	Frac	Avg		15 Min.
Max Press	Max Press	From	To		HHP Used		Annulus Pressure
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load
Plug Depth	Packer Depth	From	To				

Customer Representative <i>Alan</i>				Station Manager <i>Tasha Westerman</i>		Treater <i>Scott Cravens</i>	
Service Units	<i>38950</i>	<i>78987</i>	<i>56775</i>	<i>19955</i>	<i>19915</i>		
Driver Names	<i>Scott</i>	<i>Edy</i>	<i>Cole</i>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>8:30</i>	<i>12/4</i>				<i>On Location Safety Meeting Rig up</i>
<i>3:45</i>				<i>4.5</i>	<i>Break Circulation</i>
<i>4:00</i>	<i>220</i>			<i>4.5</i>	<i>Pump 11"O Spacer</i>
<i>4:02</i>	<i>200</i>		<i>3</i>	<i>4.5</i>	<i>Start Cement 350sk Com 1547</i>
<i>4:19</i>	<i>0</i>		<i>74.8</i>	<i>0</i>	<i>Shut down</i>
<i>4:20</i>	<i>0</i>			<i>0</i>	<i>Release Plug</i>
<i>4:22</i>	<i>150</i>			<i>4.5</i>	<i>Start Displacement</i>
<i>4:28</i>	<i>250</i>		<i>26</i>	<i>4.5</i>	<i>Cement Circulated</i>
<i>4:29</i>	<i>250</i>		<i>.5</i>	<i>3</i>	<i>Reduce Rate</i>
<i>4:30</i>	<i>280</i>		<i>1.5</i>	<i>3</i>	<i>Plug landed</i>
<i>4:30</i>	<i>400</i>		<i>.2</i>	<i>0</i>	<i>Shut down</i>
					<i>Wash up</i>
					<i>Job Complete</i>



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING Job Log

Customer:	Lebsack Oil Production	Cement Pump No.:	38117, 19919 10Hrs.	Operator TRK No.:	78938
Address:	PO Box 489	Ticket #:	1718 15528 L	Bulk TRK No.:	14354, 19578 Santiago
City, State, Zip:	Hays Ks 67601	Job Type:	Z42 - Cement Production Casing		
Service District:	1718 - Liberal, Ks.	Well Type:	OIL		
Well Name and No.:	PFEIFER-AMYX #1	Well Location:	7,22,33	County:	Finney
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
AA2	150	5% W-60, 10% Salt, .6% C-15, 1/4# Defoamer, 5# Gilsolite	14354, 19578 Santiago	Front	Back
A-Con' Blend	390	3% Caclum Chloride, 1/4# Polyflake	30464, 37725 Ruben	Front	Back
Premium / Common	50	Neat	14354, 19578	Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/FV/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Tail Stage 1:	14.8	1.51	6.64	226.5	TT Man Hours:	63
Tail Stage 2:	11.5	2.86	17.4	1115.4	# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
22:00							ON LOCATION
22:05							SAFETY MEETING
10:20 PM							RIG UP
							RUN FLOAT EQUIPMENT & WAIT
3:00 AM							RIG TO CIRCULATE
3:45		10.5 slurry					PLUG RAT & MOUSE W/ 50SX
3:55							RIG TO P.T.
4:04 AM							PRESSURE TEST TO 4000PSI
4:05	6.5	40.3 slurry				620	PUMP 150SX @ 14.8# / TAIL STAGE 1
4:13							SHUTDOWN / DROP LATCH DOWN PLUG / W.P.
4:20	7	10				260	DISPLACE W/ H2O
	7	20				260	
	7	30				260	
	7	40				260	
4:27	7	43.6				260	SWITCH TO MUD
	6.3	50				250	
	7.5	60				300	
	7.5	70				310	
	7.4	80				660	
	7.3	90				990	
	7.1	100				1170	
	7	108				1270	SLOW RATE TO 2.0BPM @ 910PSI
	2	110				990	

Size Hole	7 7/8"	Depth	4860'		TYPE	Plug Container	
Size & Wt. Csg.	5 1/2" 14#	Depth	4854'	New / Used	Stage Tool	3040'	Depth
Landing Press.#1	450.9psi	Depth			Retainer		Depth
Landing Press.#2	499.7psi	Shoe Jt.	24.10'		Perfs		CIBP

Customer Signature: *[Signature]* Basic Representative: Daniel Beck
 Basic Signature: *[Signature]*
 Date of Service: 12/11/2017



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING Job Log

Customer:	Lebsack Oil Production	Cement Pump No.:	38117, 19919 10Hrs.	Operator TRK No.:	78938	
Address:	PO Box 489	Ticket #:	1718 15528 L	Bulk TRK No.:	14354, 19578 Santiago	30464, 37725 Ruben
City, State, Zip:	Hays Ks 67601	Job Type:	Z42 - Cement Production Casing			
Service District:	1718 - Liberal Ks	Well Type:	OIL			
Well Name and No.:	PFEIFER-AMYX #1	Well Location:	7,22,33	County:	Finney	State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
AA2	150	5% W-60, 10% Salt, .6% C-15, 1/4# Defoamer, 5# Gilsomite	14354, 19578 Santiago	Front	Back
A-Con' Blend	390	3% Cacllum Chloride, 1/4# Polyflake	30464, 37725 Ruben	Front	Back
Premium / Common	50	Neat	14354, 19578	Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Tail Stage 1:	14.8	1.51	6.64	226.5	TT Man Hours:	63
Tail Stage 2:	11.5	2.86	17.4	1115.4	# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBLS)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
4:44	2	118.4				1000	LAND PLUG / PRESSURE UP TO 2010PSI
4:46							RELEASE BACK — FLOAT HELD
4:51 AM							DROP OPENING TOOL
5:05 AM							PUMP OPENING TOOL 1150PSI
5:08 AM							RIG TO CIRCULATE
5:38							RIG TO P.T.
5:44	5.9	198.6 slurry				300	PUMP 390SX @ 11.5# / TAIL STAGE 2
	7.4	188				500	188BBLS IN CEMENT RETURNS
6:16 AM							SHUTDOWN / DROP CLOSING TOOL / W.P
6:20	7.5	10				490	DISPLACE
	7.4	20				570	
	7.5	30				630	
	7.5	40				700	
	7.4	50				770	
	7.4	60				850	
	7.4	70				890	
6:31	2	74.1				770	SLOW RATE TO 2.0BPM @ 730
							LAND PLUG / PRESSURE UP TO 2070PSI
							RELEASE BACK — FLOAT HELD
							JOB COMPLETE

Size Hole	7 7/8"	Depth	4860'		TYPE	Plug Container	
Size & Wt. Csg.	5 1/2" 14#	Depth	4854'	New / Used	Stage Tool	3040'	Depth
Landing Press.#1	450.9psi	Depth			Retainer		Depth
Landing Press.#2	499.7psi	Shoe Jt.	24.10'		Perfs		CIBP
Customer Signature: <i>[Signature]</i>					Basic Representative:	Daniel Beck	
					Basic Signature:	<i>Daniel Beck</i>	
					Date of Service:	12/11/2017	



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lebsack oil Production Inc.
P.O. Box 354 Chase, KS 67524
ATTN: Josh Austin

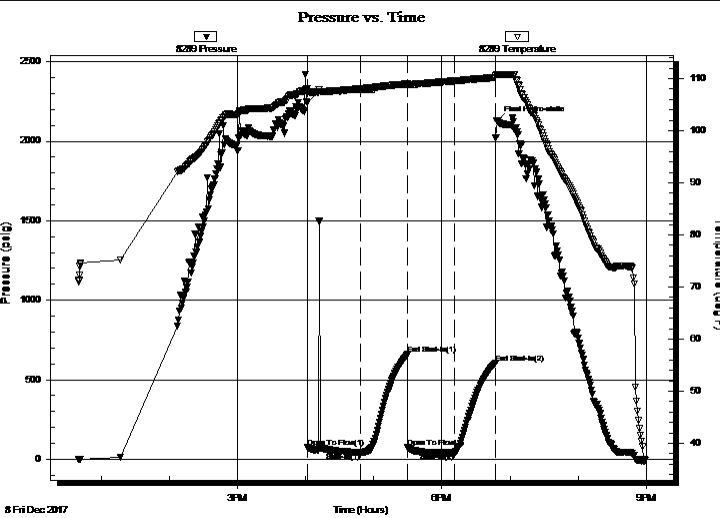
7/22/33 Finney, KS
Pfeifer-Amyx 1
Job Ticket: 64106 **DST#: 1**
Test Start: 2017.12.08 @ 12:40:00

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: 2916.00 ft (KB)
Time Tool Opened: 16:01:40
Time Test Ended: 20:59:00
Interval: **4397.00 ft (KB) To 4430.00 ft (KB) (TVD)**
Total Depth: 4430.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 75
Reference Elevations: 2916.00 ft (KB)
2904.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8289 Inside
Press@RunDepth: 43.91 psig @ 4402.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.12.08 End Date: 2017.12.08 Last Calib.: 1899.12.30
Start Time: 12:40:02 End Time: 20:59:00 Time On Btm: 2017.12.08 @ 16:01:15
Time Off Btm: 2017.12.08 @ 18:48:35

TEST COMMENT: IF: Weak surface blow, died 5 sec. Flushed, no change
IS: No blow back
FF: No blow
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.78	108.04	Initial Hydro-static
1	73.32	107.38	Open To Flow (1)
47	43.74	108.06	Shut-In(1)
89	659.50	109.00	End Shut-In(1)
89	73.73	108.67	Open To Flow (2)
130	43.91	109.55	Shut-In(2)
166	602.70	110.22	End Shut-In(2)
168	2129.06	110.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lebsack oil Production Inc.

7/22/33 Finney, KS

P.O. Box 354 Chase, KS 67524

Pfeifer-Amyx 1

Job Ticket: 64106

DST#: 1

ATTN: Josh Austin

Test Start: 2017.12.08 @ 12:40:00

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

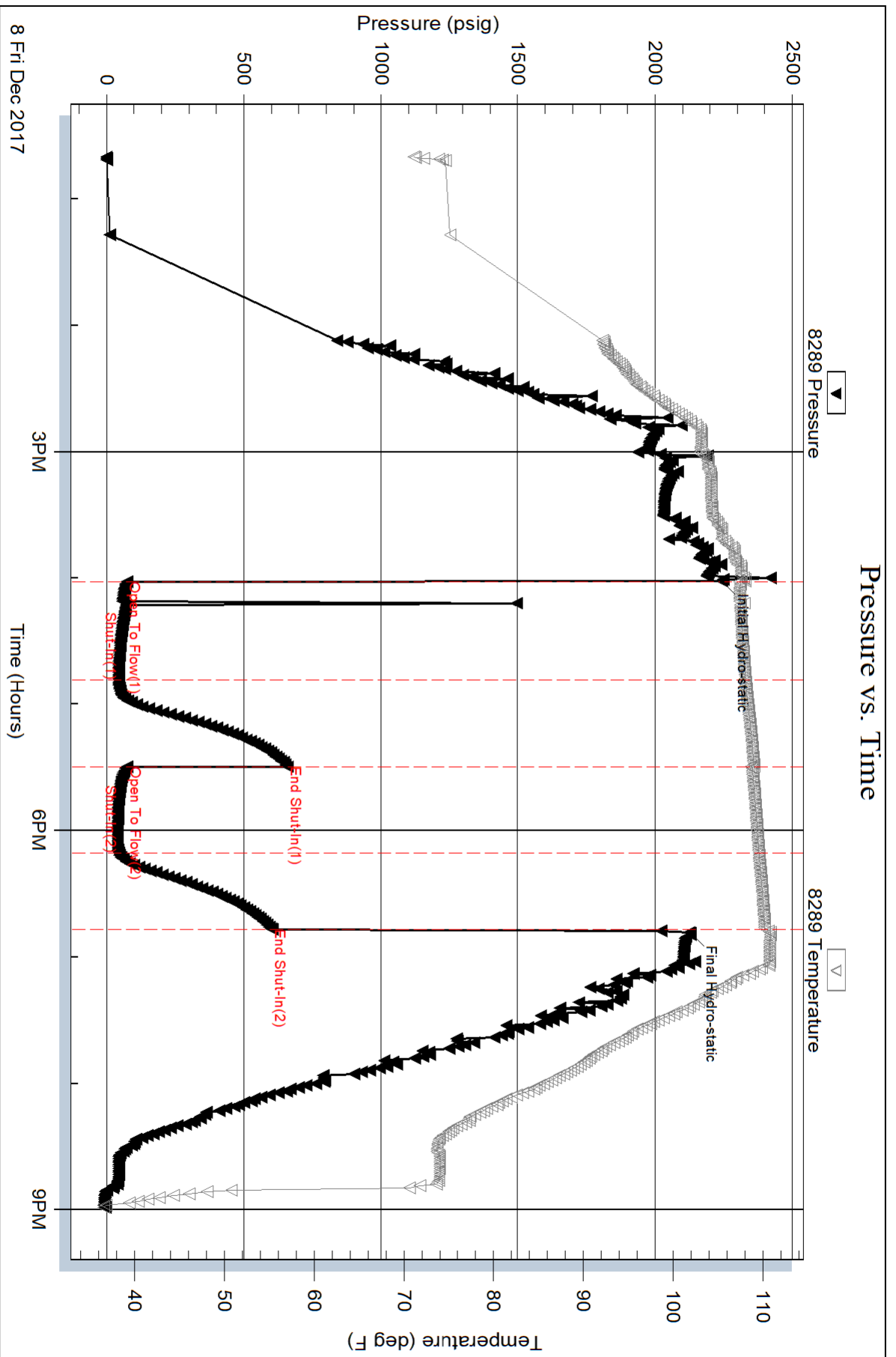
Num Gas Bombs: 0

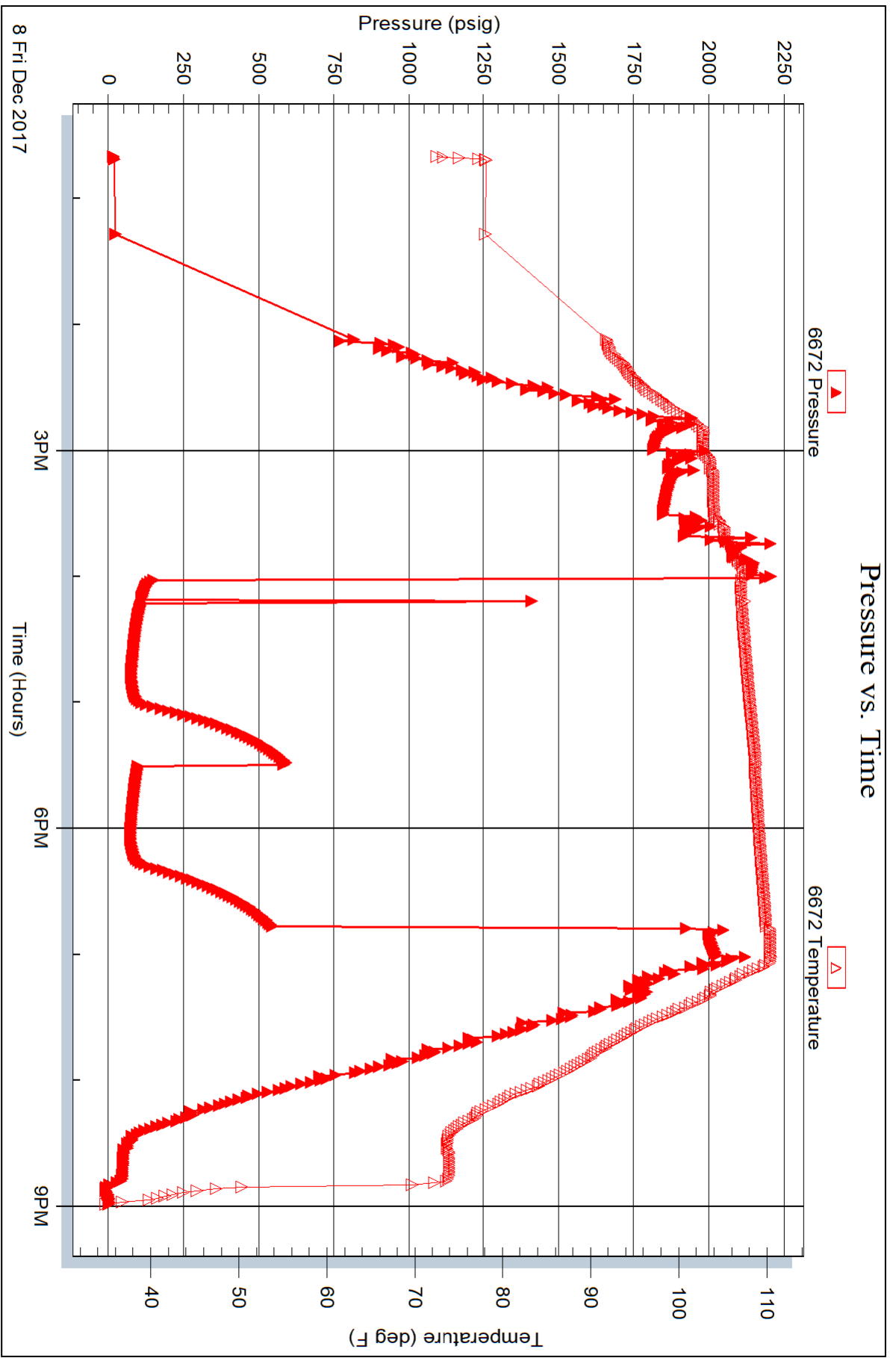
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack oil Production Inc.
 P.O. Box 354 Chase, KS 67524
 ATTN: Josh Austin

7/22/33 Finney, KS
Pfeifer-Amyx 1
 Job Ticket: 64107 **DST#: 2**
 Test Start: 2017.12.09 @ 11:52:00

GENERAL INFORMATION:

Formation: **Morrow Sand**
 Deviated: No Whipstock: 2916.00 ft (KB)
 Time Tool Opened: 14:11:50
 Time Test Ended: 18:48:15
 Interval: **4630.00 ft (KB) To 4680.00 ft (KB) (TVD)**
 Total Depth: 4680.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chris Hagman
 Unit No: 75
 Reference Elevations: 2916.00 ft (KB)
 2904.00 ft (CF)
 KB to GR/CF: 12.00 ft

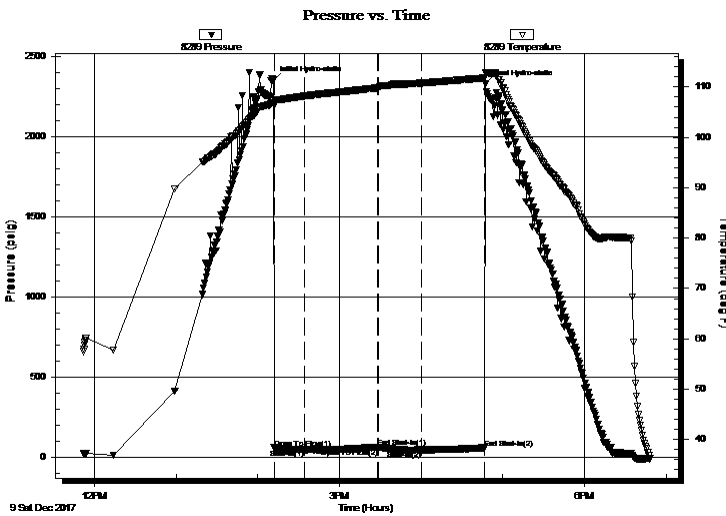
Serial #: 8289

Inside

Press@RunDepth: 47.49 psig @ 4633.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.12.09 End Date: 2017.12.09 Last Calib.: 1899.12.30
 Start Time: 11:52:02 End Time: 18:48:15 Time On Btm: 2017.12.09 @ 14:11:25
 Time Off Btm: 2017.12.09 @ 16:47:09

TEST COMMENT: IF: Weak surface blow , died 10 min.
 IS: No blow back
 FF: No blow
 FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2350.98	106.91	Initial Hydro-static
1	59.56	106.38	Open To Flow (1)
23	49.08	108.21	Shut-In(1)
77	65.30	109.81	End Shut-In(1)
77	59.61	109.82	Open To Flow (2)
109	47.49	110.78	Shut-In(2)
155	59.95	111.78	End Shut-In(2)
156	2329.89	112.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%M	0.05

Gas Rates

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

Serial #: 8289

Inside

Lebsack oil Production Inc.

Pfeifer-Amyx 1

DST Test Number: 2

