

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)</i> <i>(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	GARDEN CITY 2-7
Doc ID	1359076

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

Form	ACO1 - Well Completion
Operator	Lebsack Oil Production Inc.
Well Name	GARDEN CITY 2-7
Doc ID	1359076

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4414-4420		





# Joshua R. Austin

## Petroleum Geologist

report for

**Lebsack Oil Production, Inc.**



COMPANY: Lebsack Oil Production, Inc.

LEASE: Garden City #2-7

FIELD: West Damme Ext.

LOCATION: 330' FNL & 330' FWL (NW-NW-NW)

SEC: 7 TWSP: 22s RGE: 33w

COUNTY: Finney STATE: Kansas

KB: 2916' GL: 2903'

API # 15-055-22456-00-00

CONTRACTOR: Sterling Drilling Company (rig #5)

Spud: 06/21/2017

Comp: 06/27/2017

RTD: 4860'

LTD: 4859'

Mud Up: 3383'

Type Mud: Chemical was displaced

Samples Saved From: 3600' to RTD.

Drilling Time Kept From: 3400 to RTD.

Samples Examined From: 3600' to RTD.

Geological Supervision From: 3850' to RTD.

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @445'

Production Casing: 5 1/2" @4851'

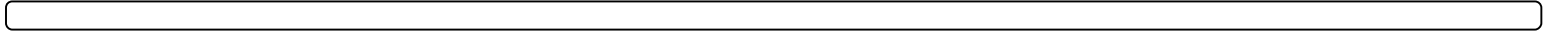
Electronic Surveys: Pioneer Energy Services

### NOTES

After reviewing the electric logs and on the basis of the positive structural position, it was recommended to run 5 1/2" production casing to further test the St. Louis (4768-71') and the Pawnee (4413-4419). Did not drill stem test on this well. From 4430-4657' lost 400 bbl fluid, LCM 12#.

**Lebsack Oil Production, Inc.**  
**well comparison sheet**

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
Garden City #2-7					Garden City #1-7				Garden City #5-12			
2916 KB					2914 KB				2917 KB			
					Structural Relationship				Structural Relationship			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	2034	882	2030	886	2018	896	-14	-10	2027	890	-8	-4
B/ Anhydrite	2047	869	2042	874	2032	882	-13	-8	2038	879	-10	-5
Heebner	3811	-895	3807	-891	3798	-884	-11	-7	3794	-877	-18	-14
Toronto	3822	-906	3818	-902	3808	-894	-12	-8	3810	-893	-13	-9
Lansing	3900	-984	3906	-990	3891	-977	-7	-13	3888	-971	-13	-19
base porosity	4165	-1249	4163	-1247	4157	-1243	-6	-4	4156	-1239	-10	-8
Base KC	4310	-1394	4308	-1392	4308	-1394	0	2	4308	-1391	-3	-1
Marmaton	4338	-1422	4336	-1420	4335	-1421	-1	1	4335	-1418	-4	-2
Pawnee	4408	-1492	4412	-1496	4411	-1497	5	1	4416	-1499	7	3
Ft. Scott	4443	-1527	4445	-1529	4440	-1526	-1	-3	4441	-1524	-3	-5
Cherokee Sh.	4452	-1536	4449	-1533	4450	-1536	0	3	4453	-1536	0	3
Morrow Shale	4625	-1709	4626	-1710	4630	-1716	7	6	4634	-1717	8	7
Mississippi	4689	-1773	4682	-1766	4676	-1762	-11	-4	4710	-1793	20	27
St. louis 'C'	4768	-1852	4766	-1850	4762	-1848	-4	-2	4786	-1869	17	19
RTD	4860	-1944			4860	-1946			4860	-1943		
LTD	4859	-1943			4858	-1944			4866	-1949		



**ROCK TYPES**

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

**ACCESSORIES**

**MINERAL**

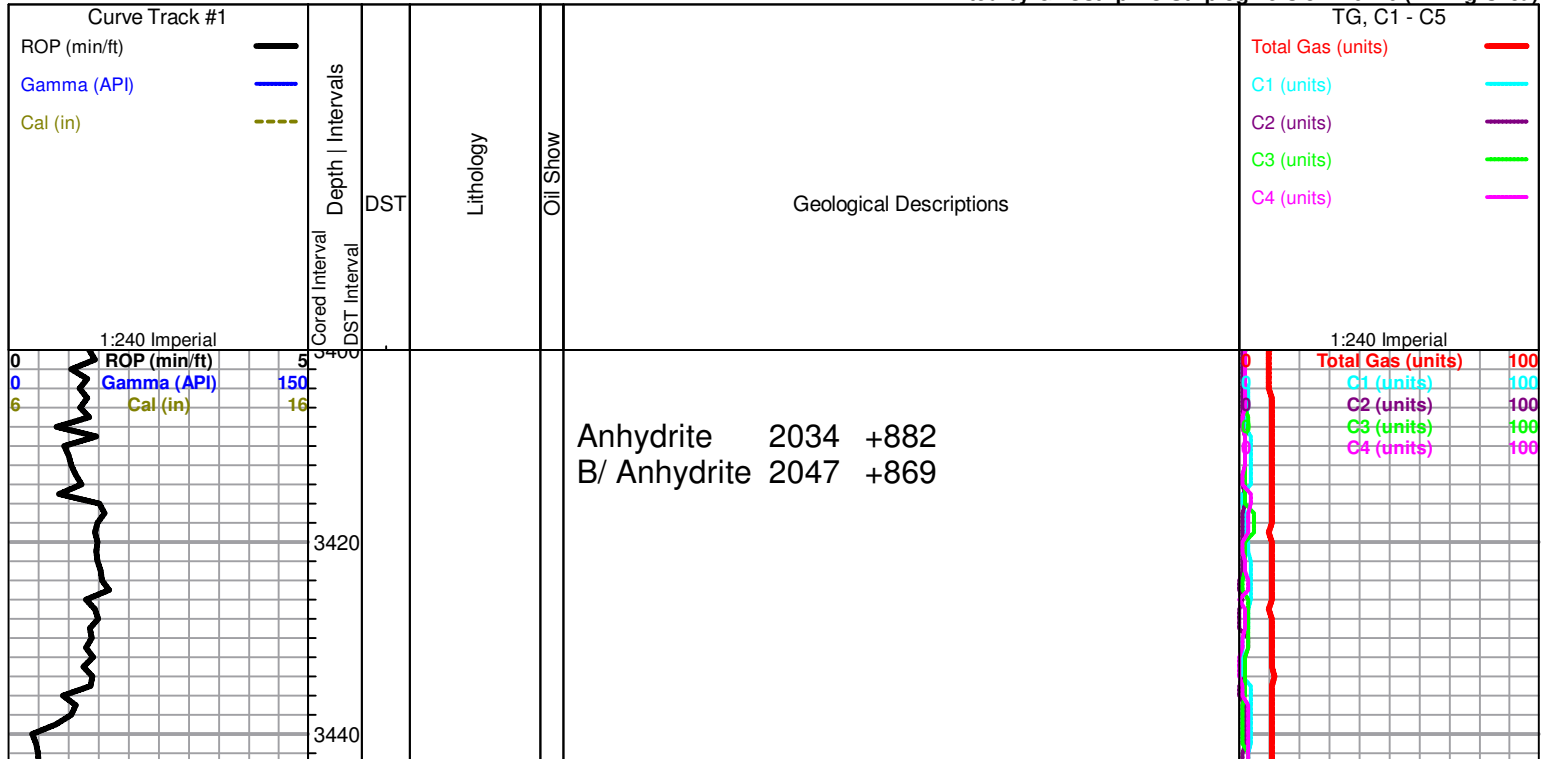
- ▲ Chert, dark
- △ Chert White

**OTHER SYMBOLS**

**DST**

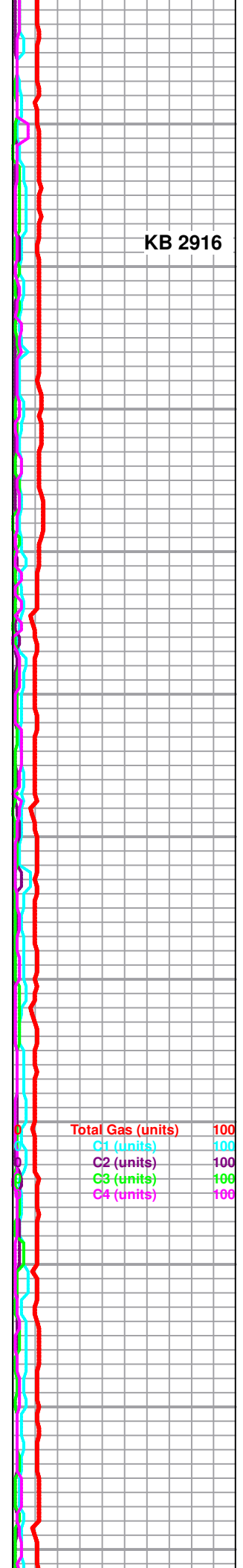
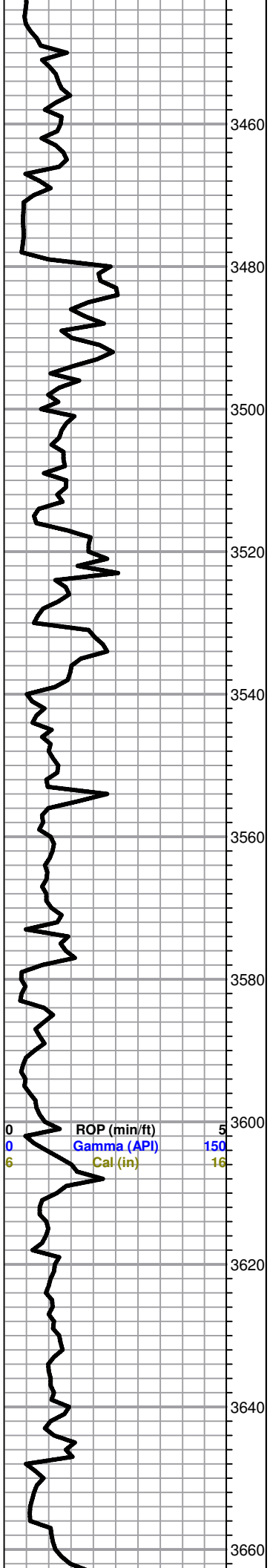
- DST Int
- DST alt
- Core
- tail pipe

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



TOPEKA 3479 (-563)

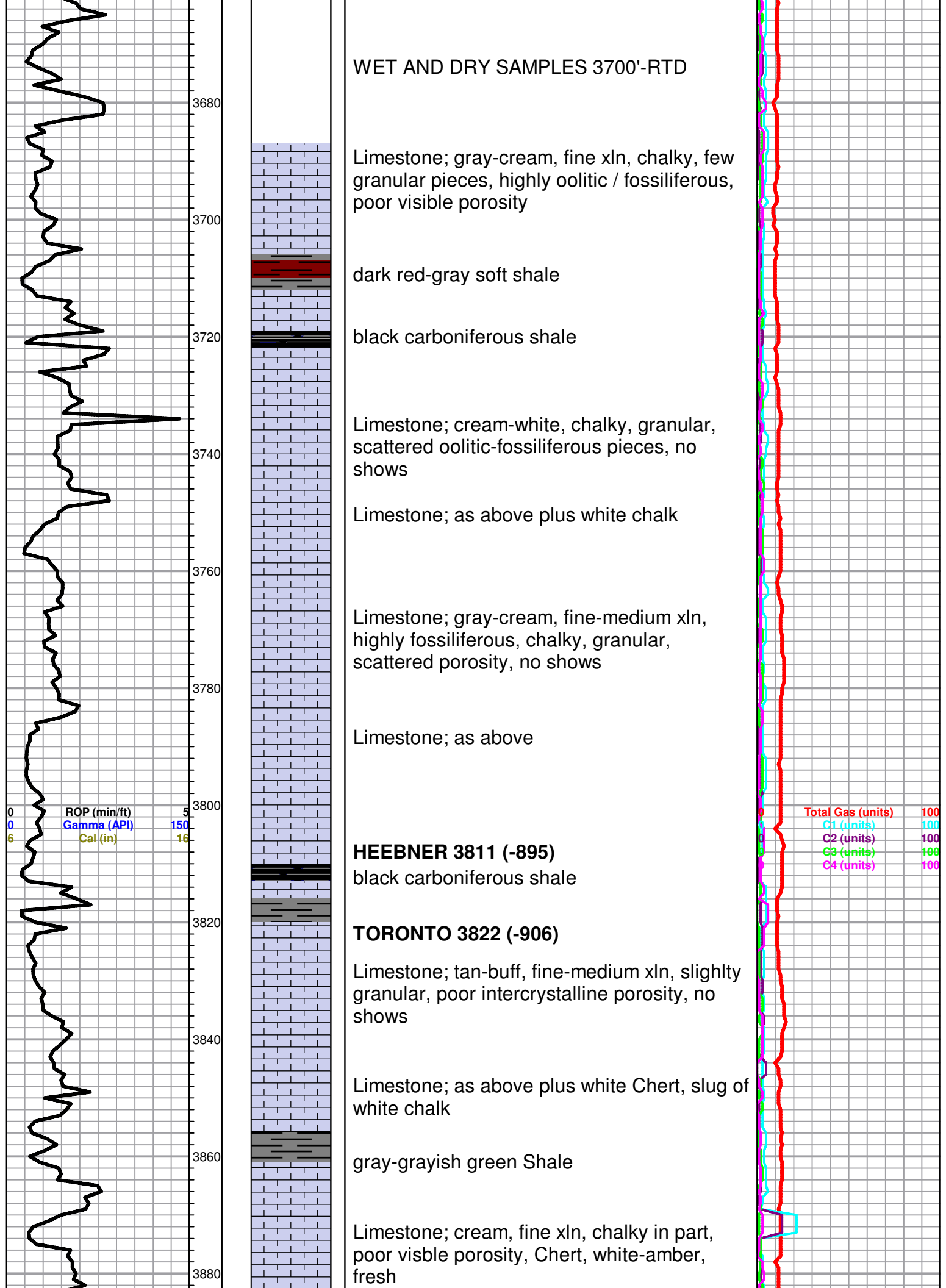
KB 2916

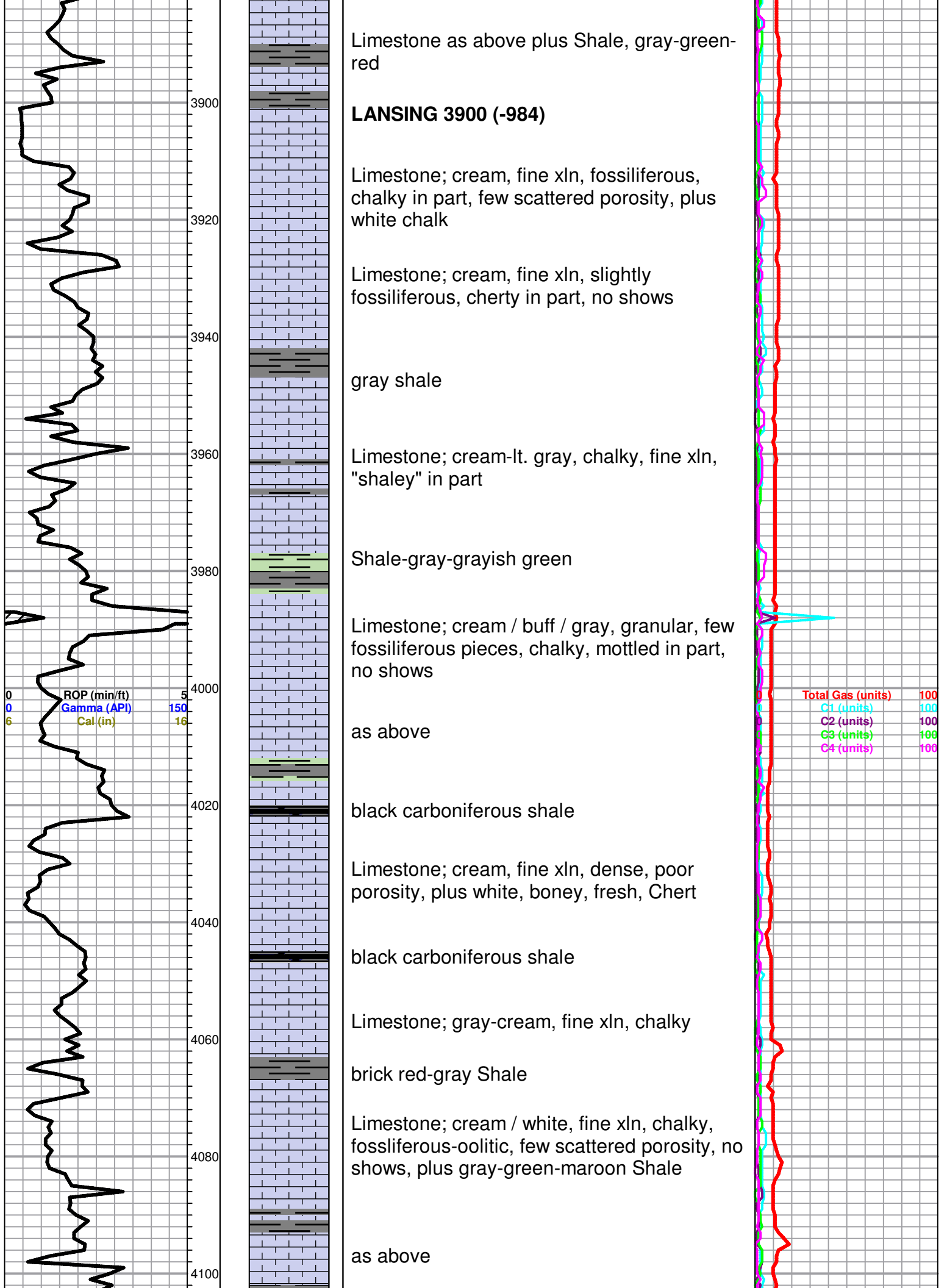


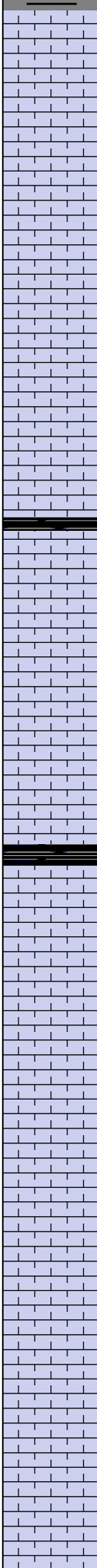
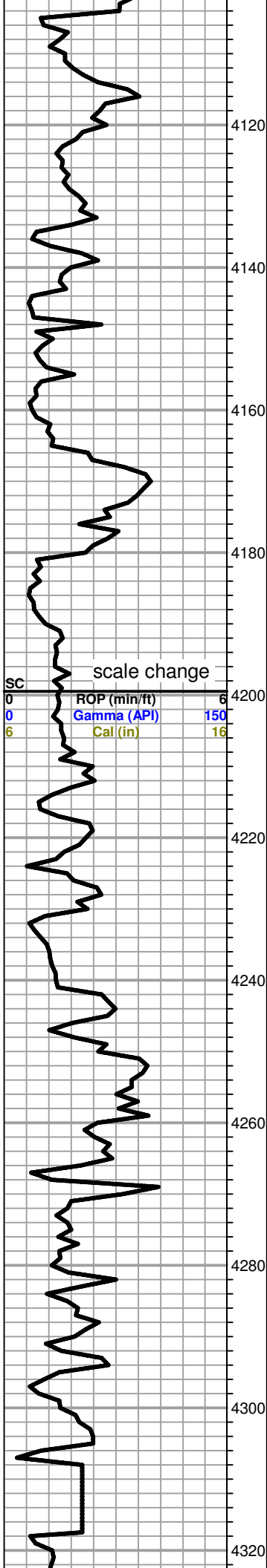
0	ROP (min/ft)	5	3600
0	Gamma (API)	150	
6	Cal (in)	16	

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100









Limestone; cream, finely oolitic, fair-good porosity, few granular pieces, no shows

Limestone; as above chalky

Limestone; cream / buff, highly oolitic/oomoldic, chalky in part, fair oomoldic porosity, sparry quartz inclusions inbedded in porosity (barren)

**BASE POROSITY BREAK 4165 (-1249)**

black carboniferous shale

Limestone; cream-buff, fine xln, dense, chalky, poor inter crystalline proosity, slightly oolitic, trace brown-dark brown staining, spotty SFO, faint odor

Limestone; gray / cream / buff, chalky, dark brown stain, spotty SFO, poor-no porosity, no odor

black carboniferous shale

Limestone; gray-lt. gray, cream, micro-fine xln, chalky in part, slighty dolomitic, poorly developed porosity, no shows

Limestone; gray, fine xln, poor inter crystalline porosity, golden brown stain, spotty SFO, faint odor

Limestone; dark gray-gray, fine xln, dense, poor visible porosity, slightly dolomitic in part, no shows

Limesone; gray / cream / buff, fine xln, chalky, dense, no shows, slightly fossiliferous

Limestone; as above no shows

**BASE KANSAS CITY 4315 (-1231)**

Total Gas (units) 100  
 C1 (units) 100  
 C2 (units) 100  
 C3 (units) 100  
 C4 (units) 100

**BASE KANSAS CITY 4310 (-1394)**

Shale; grayish green silty, plus grayish green siltstone

**MARMATON 4338 (-1422)**

Limestone; cream-white, highly oolitic in part, few scattered porosity

Limestone; cream, fine xln, slightly fossiliferous-oolitic, chalky in part, inter crystalline porosity, spotty brown stain, SFO, no odor

Limestone; tan / gray / buff, fine xln, chalky, dense, granular in part, no shows

black carboniferous shale

**PAWNEE 4408 (-1492)**

Limestone; white-cream, micro xln, chalky, poor visible porosity, spotty SFO, no odor

dark gray Limestone; shaley (samples poor lost 75 bbls returns CFS)

**FT. SCOTT 4443 (-1527)**

black carboniferous shale

Limestone; tan, foss-oolitic, dense, poor porosity, brown stain, slight SFO, no odor

**CHEROKEE SHALE 4452 (-1536)**

black carboniferous shale

Limestone; cream, fossiliferous, chalky, plus Chert; opaque-white, boney, fossiliferous, fresh

black carboniferous shale

black carboniferous shale

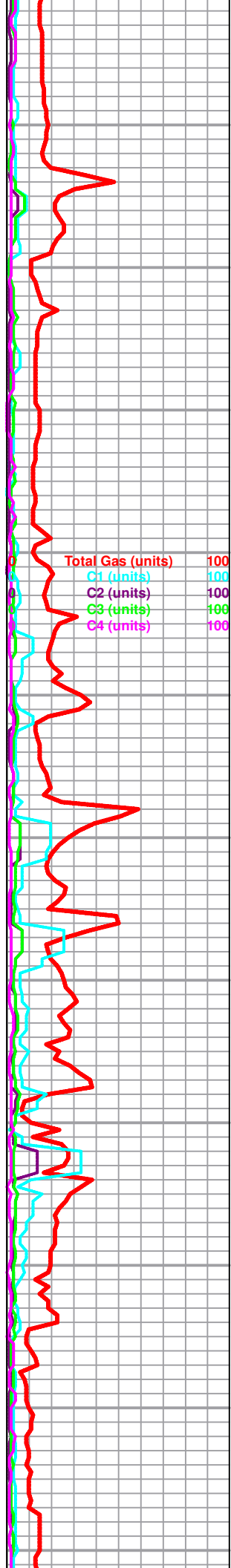
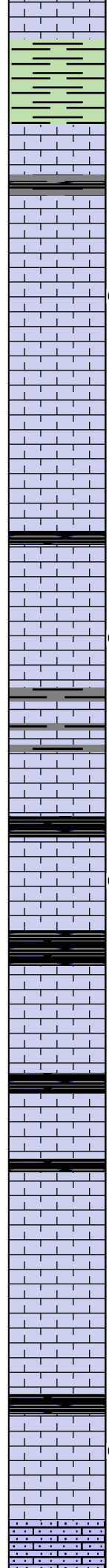
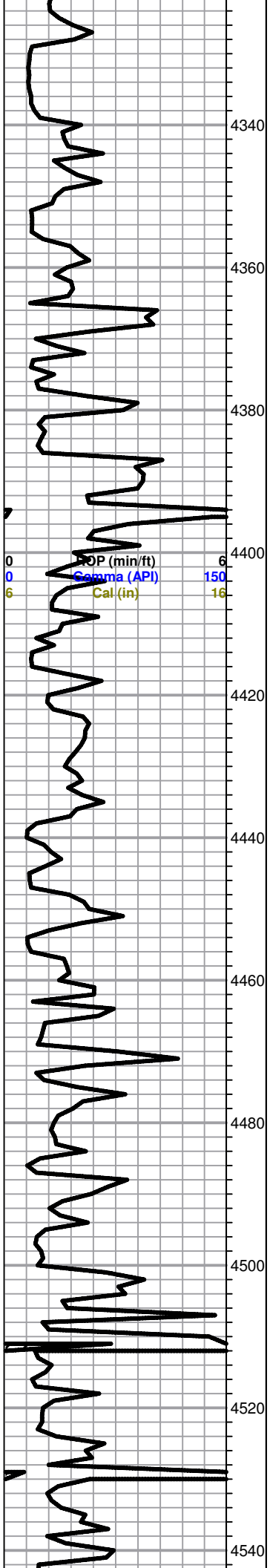
Limestone; gray-lt. gray, fine xln, chalky, slightly fossiliferous, dense, no shows

Limestone; cream, fossiliferous-oolitic, scattered oomoldic porosity, no shows

black carboniferous shale

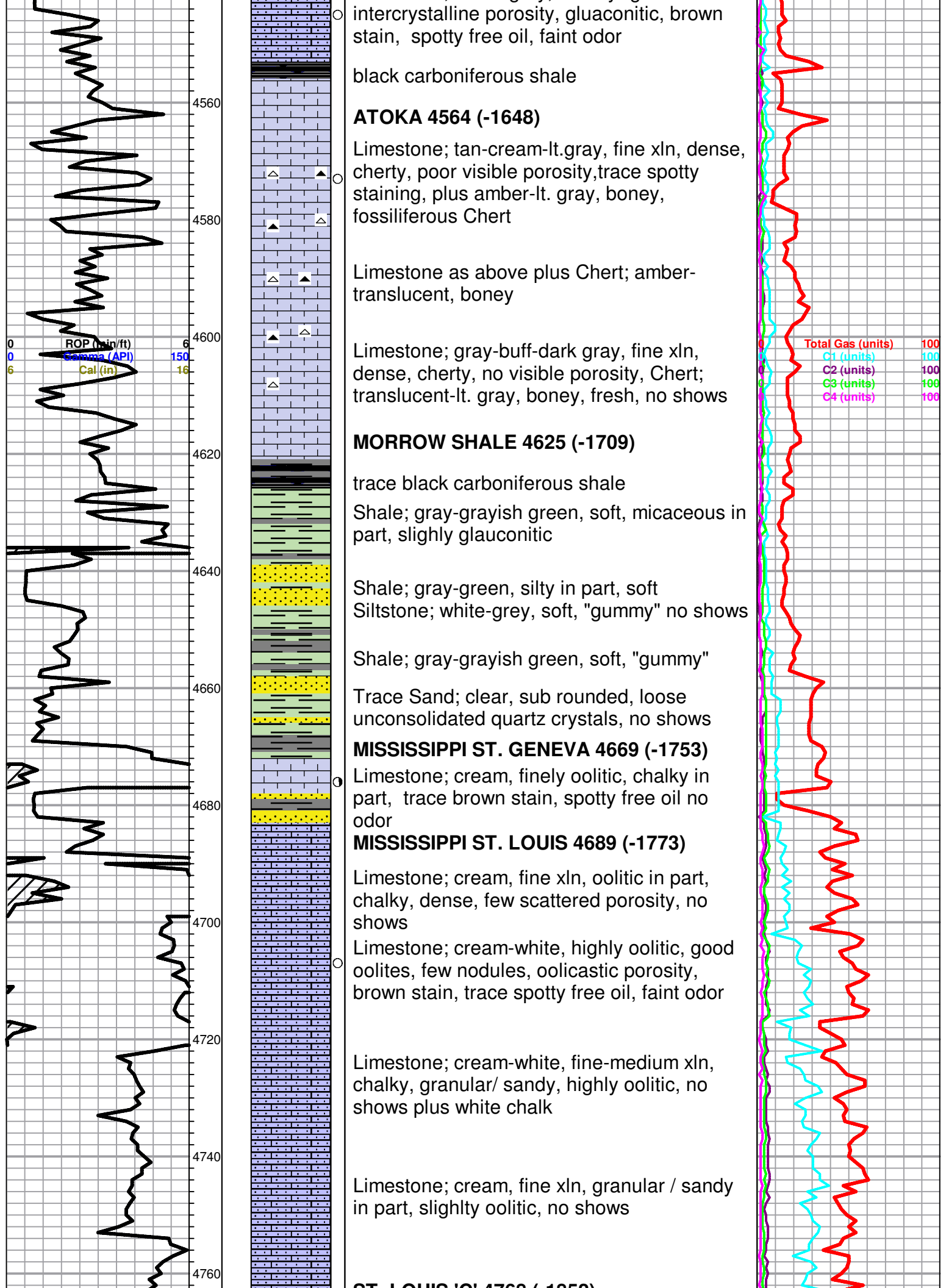
Limestone; gray-tan, fine xln, dense, trace spotty stain, NSFO, no odor

Limestone; tan-lt. gray, "sandy" good

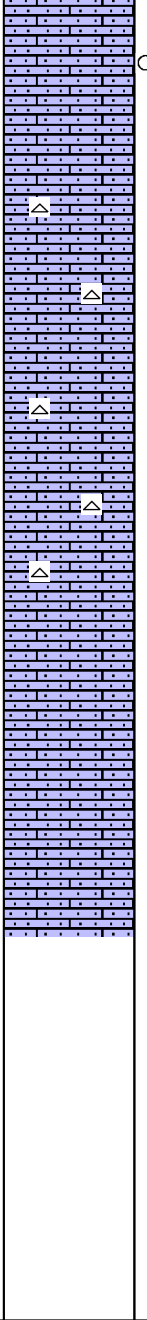
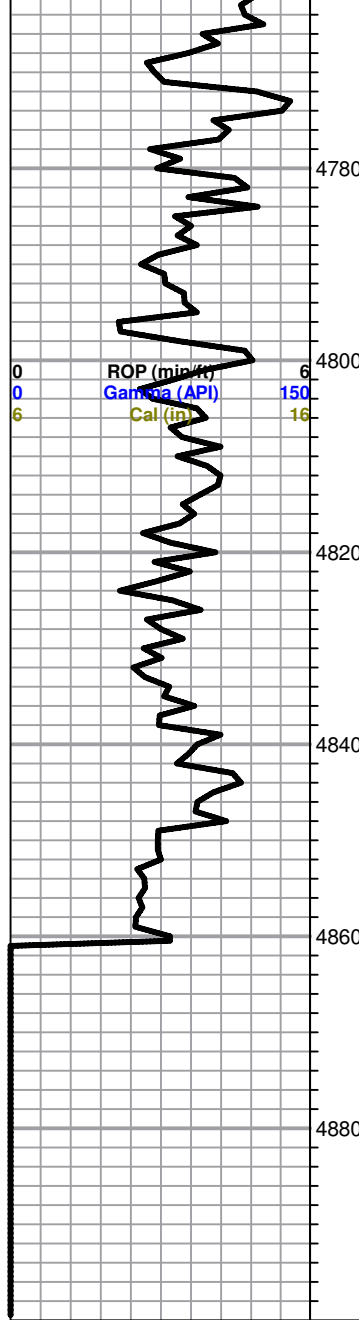


POP (min/ft) 6  
Gamma (API) 150  
Cal (in) 16

Total Gas (units) 100  
C1 (units) 100  
C2 (units) 100  
C3 (units) 100  
C4 (units) 100



ST. LOUIS C 4768 (-1852)



Limestone; cream, oolitic, fine xln in part, few oolitic type porosity, brown stain, trace free oil, no odor

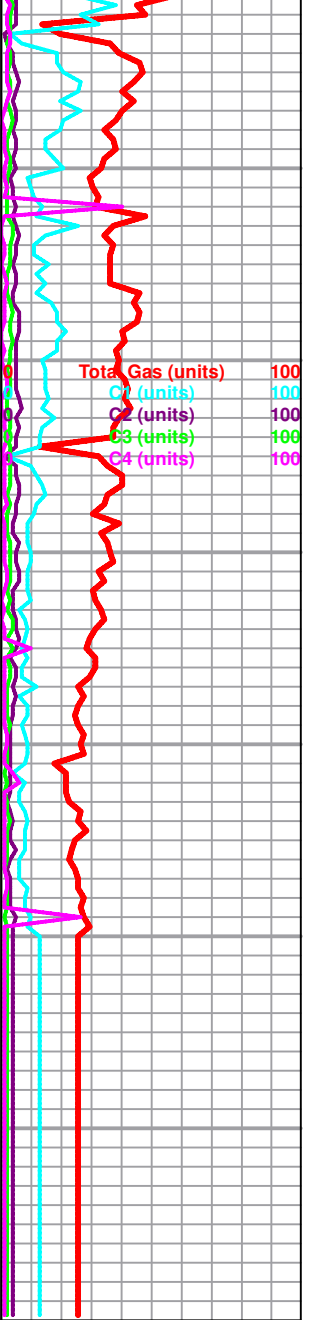
Limestone; cream-lt. grey, fine-medium xln, granular, oolitic in part, few scattered inter xln type porosity, no shows, plus grey-translucent-amber, boney Chert

Limestone; as above, "sandy/ granular" no shows, Chert; white-translucent

Limestone; cream-white, highly oolitic, chalky, granular/sandy, calcareous in part, no shows

Limestone; as above

**ROTARY TOTAL DEPTH 4860 (-1944)**





# SURFACE CASING



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

## Job Log

Customer:	Lebzack Oil Production	Cement Pump No.:	36119-19570 5HRS	Operator TRK No.:	76939
Address:	PO Box 489	Ticket #:	1718-14965 L	Bulls TRK No.:	14365-37724
City, State, Zip:	Hays Ks 67601	Job Type:	Z42 - Cement Surface Casing		
Service District:		Well Type:	OIL		
Well Name and No.:	Garden City 2-7	Well Location:	7,22,33	County:	Finney
				State:	Ks

Type of Cmt	Sacké	Additives	Truck Loaded On		
PREMIUM PLUS	SOD	2%CaCl, 1/4# POLYFLAKE	14365-37724	Front	Back
				Front	Back
				Front	Back

Lead/Tail:	Weight #/ Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
<b>Lead:</b>	14.8	1.34	6.33	402	Man Hours:	30
<b>Tail:</b>					# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tybing	Casing	
8:00							ON LOC, SAFTEY MTG, R.U.
11:18						1200	TEST LINES
11:22 AM	5					200	START MIXING @ 14.8#
11:37 AM		72					SHUT DOWN, DROP PLUG
11:40 AM	5					170	START DISPLACEMENT, WASHUP ON PLUG
11:47	2	20				170	SLOW RATE
11:50		26				130	SHUT IN WELL
							RELEASE PSI
							JOB COMPLETE
							THANK YOU FOR YOUR BUSINESS!!!

Size Hole	12 1/4	Depth	441		TYPE			
Size & Wt Cag.	8 5/8 24	Depth	436	New / Used	Packer		Depth	
tbg.		Depth			Retainer		Depth	
Top Plugs		Type			Perfs		CIBP	

Customer Signature:	Basic Representative:	CHAD HINZ
	Basic Signature:	
	Date of Service:	6/24/2017



Services, L.P.

Stage #1

TREATMENT REPORT

Lebsock Oil  
Garden City  
Order # 5735 Station P9911CS Casing 5 1/2 Depth 4851 County Finney State KS  
Type Job 242/5 1/2 2-Stage Longstone Formation TD-4860 Legal Description 7-22-33  
Lease No. Well # 2-7 Date 6/28/2017

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
5 1/2	Depth 4851	From	To	Pre Pad		Max		5 Min.
Volume 118.3	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 4828	Packer Depth	From	To	Flush Water/mud		Gas Volume		Total Load

Customer Representative Josh Station Manager Justin Westerman Treater Devin Franklin

Service Units	92911	38117	19919	30464	37725	14355	37724				
Operator Names	Devin	Merrick	Merrick	Willie	Willie	Willie	Willie				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:30pm					on location / safety meetings
					5 1/2 # C.S.S. set 9+
					T-1, 4, 7, 9, 17, 39, 106 B-37 DV Tool - 3288
					150 SIC DDZ Cement, 5% W-60, 10% S91st, 6% C-15, 1/4# Defosmer, 5# Gilsonite, 14.8 pps, 1.51 veils, 6.64 water
7:45am					Pipe on bottom & break circulation
8:00pm	200		12	3 1/2	Pump 500 gals stoploss
	300		40	5	mix 150 SIC DDZ
					Shut down
					Wash pack & Release Plug
8:35pm	200		0	6 1/2	Start displacement
	500		95	6 1/2	Lift Pressure
	600		108	3	Slow Rate
	1500		117 1/2	3	Bump Plug
					Flast - Hela
					Drop DV opening Tool
	800		1/2	1/2	Open DV Tool
					Circulate 1 1/2 hrs with Rig





services, L.P.

Stage #2

TREATMENT REPORT

Lease No.		Date	
Leb 896k Oil		6/28/2017	
Well #		County	
Green City 2-7		Finney KS	
Order #	Station	Casing	Depth
5135	Pratt, KS		
Job	Formation	Legal Description	
Blk 2/ 5 1/2 2stage LongString		7-22-33	

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

Customer Representative	Station Manager	Treater
-------------------------	-----------------	---------

Service Units									
Over									
mes									

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					390 SK 12-con Blend, 3% Calcium Chloride, 1/4 # Polyp 19kg, 11.5 pps, 2.86 veils, 17.40 water
					50 SK Premium/Common
					15.6 pps, 1.18 veils, 5.22 water
12:00pm	200		198	3 1/2	mix 390 SK 12-con
					Shut down
					Wash Pump & lines
					Release Plug
	100		0	5 1/2	Start displacement
	600		70	3	slow rate
	1500		79 1/2	3	Bump Plug
					Flush - Hole
	100		7	2 1/2	Plus Rest hole
	100		5	2 1/2	Plus-mouse hole
					Job Complete/Drum & crew
					Thank you!
					Circulate 30bbls to Pit