KOLAR Document ID: 1411549

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 # 34996
Name: Stewart Producers, Inc.
Address 1: 301 N 27TH ST.
Address 2: PO BOX 546
City: MT. VERNON State: IL Zip: 62864 + 0546
Contact Person: Mark Thompson
Phone: (316) 734-3141
CONTRACTOR: License # 5870
Name: Phillips Well Service, Inc.
Wellsite Geologist: David J. Goldak
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 #:

03/18/2018 Spud Date or Recompletion Date
03/22/2018 Date Reached TD
04/13/2018 Completion Date or Recompletion Date

API No.: 15-015-24094-00-00
Spot Description:
NW - NE - NE - SW Sec. 26 Twp. 28 S. R. 4 ☑ East ☐ West
2515 Feet from ☐ North / ☑ South Line of Section
2015 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: Butler
Lease Name: BANNON TRUST Well #: 1
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 1228 Kelly Bushing: 1237
Total Vertical Depth: 2796 Plug Back Total Depth: 2749
Amount of Surface Pipe Set and Cemented at: 211 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: 900 ppm Fluid volume: 573 bbls
Dewatering method used: Evaporated
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: 06/06/2018
☐ **Confidential Release Date:** 06/05/2020
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 06/08/2018

Page Two

Operator Name: Stewart Producers, Inc. Lease Name: BANNON TRUST Well #: 1

Sec. 26 Twp. 28 S. R. 4 ☑ East ☐ West County: Butler

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: Attached

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

Name	Top	Datum
Attached	Attached	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	12.25	8.625	23	211	Class A	125	3%gel, 2%cc, 1/4 # flocele
Production	7.875	5.5	17	2785	65 sx.60/40 poz; 135 sx. thicks	200	6% gel, 2#/sx. phenoseal; 5#/sx. Kol-Sea

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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

Date of first Production/Injection or Resumed Production/ Injection:	Producing Method:
05/05/2018	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	20		0		30

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)*	2689	2694

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)*
4	2689	2694	CIBP Cast Iron Bridge Plug	2744	150 gal. 15% MCA

TUBING RECORD:	Size:	Set At:	Packer At:
	2.875	2735	

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

Form	ACO1 - Well Completion
Operator	Stewart Producers, Inc.
Well Name	BANNON TRUST 1
Doc ID	1411549

All Electric Logs Run

Dual Induction
Comp. Density/Neutron/PE
Micro
Sonic
Cement Bond

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Well Name	BANNON TRUST 1
Doc ID	1411549

Tops

Name	Top	Datum
Brown LS	1757	-520
Lansing	1776	-539
KC	2094	-857
BKC	2306	-1069
Pawnee	2427	-1190
Ardmore	2542	-1305
Chattanooga	2608	-1371
Arbuckle	2688	-1451

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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	211	Class A	125	3%gel, 2%cc, 1/4 # flocele
Production	7.875	5.5	17	2785	65 sx.60/40 poz; 135 sx. thickset	200	6% gel, 2#/sx. phenoseal; 5#/sx. Kol-Seal, 1# sx phenoseal

GEOLOGIC REPORT

DAVID J. GOLDAK

WICHITA, KANSAS

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

Well Name:	**Bannon Trust #1**		
Location:	**Section 26 - T28S - R4E**		
License Number:	**API: 15-015-24094**	**Region:**	**Butler Co., KS**
Spud Date:	**03 / 18 / 2018**	**Drilling Completed:**	**03 / 22 / 2018**
Surface Coordinates:	**2515' FSL and 2015' FWL** **NW - NE - NE - SW**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**1228'**	**K.B. Elevation (ft):**	**1237'**
Logged Interval (ft):	**1400'** **To: 2796'**	**Total Depth (ft):**	**2796'**
Formation:	**Arbuckle**		
Type of Drilling Fluid:	**Chemical - Fud Mud**		

OPERATOR

Company: **Stewart Producers, Inc**
Address: **PO Box 546**
Mt. Vernon, IL 62864

GEOLOGIST

Name: **David J. Goldak**
Company: **D. J. GOLDAK, INC.**
Address: **12427 W Ridgepoint Cir**
Wichita, Kansas 67235

General Info

CONTRACTOR: C&G Drilling, Rig #2

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	? - PDC	?	222	222	?
2	7-7/8	Atlas-616x9	6-13s	2472	2250	23.50
3	7-7/8	TZ-LH527Q	3-22s	2702	230	20.75
4	7-7/8	JZ-HAT537	3-22s	2796	94	6.25

SURVEYS: 222-0.25; 1161'-0.25; 2472'-0.75; 2796'-0.75

GENERAL DRILLING & PUMP INFORMATION:
Collars: 10 joints of collars (6.25"x2.25"): 304.85'
Drilling w/ PDC: 6,000-12,000 lbs on bit and 125-130 RPM.
Drilling w/ Conv: 26,000-30,000 lbs on bit and 65-70 RPM.
Pumping: 60 S/M; 9.2 B/M; 600-700 psi at standpipe.

Daily Status

03/18/18 - Spud at 3:45 PM; Set 8-5/8" csg @ 211'
03/19/18 - 230' Drilling
03/20/18 - 2,167' Drilling
03/21/18 - 2,655' Drilling; Bit trip @ 2,472'; DST #1 @ 2,702'
03/22/18 - 2,779' Drilling; TD @ 2,796'; Log well in PM

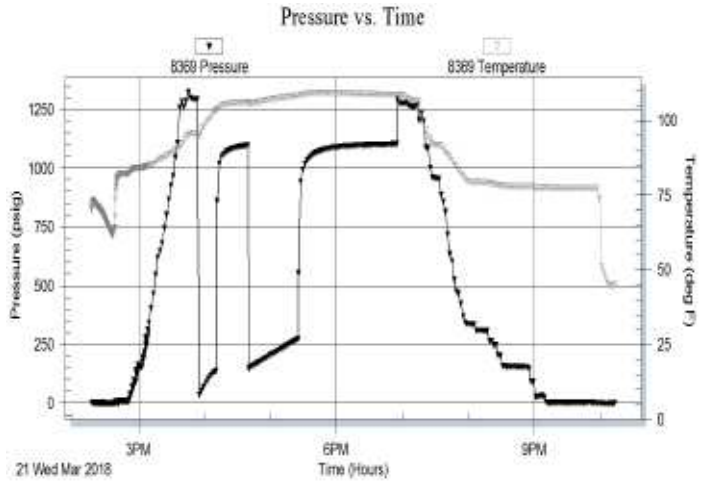
	Log Tops	Sample Tops
Brown Ls	1757 (-520)	1757 (-520)
Lansing	1776 (-539)	1758 (-531)
Kansas City	2094 (-857)	2094 (-857)
Base of KC	2306 (-1069)	2307 (-1070)
Pawnee	2427 (-1190)	2427 (-1190)
Ardmore	2542 (-1305)	2540 (-1303)
Chattanooga	2608 (-1371)	2608 (-1371)
Arbuckle	2688 (-1451)	2686 (-1449)
Total Depth	2796 (-1559)	2796 (-1559)

DST #1: 2,688' - 2,702' (Arbuckle)
15" - 30" - 45" - 90"

IF: Good blow building to BOB in 5 minutes
ISI: Blow back building to 4 inches
FF: Good blow building to BOB in 5 minutes
FSI: Blow back building to 4 inches

RECOVERY: 375' GIP & 685' Total Fluid:
620' GCO (15% G & 85% O)
75' GOCM (16% G, 15% O & 69% M)
Oil Gravity: 30 API

SIP: 1098-1102; FP: 36-136, 149-272; HP: 1292-1274;
BHT: 109



ROCK TYPES

Anhy
Bent
Brec
Cht
Clyst
Coal
Congl
Dol
Gyp
Igne
Lmst
Meta
Mrlst
Salt
Shale
Shcol
Shgy
Sltst
Ss
Till
Carb sh
Dol
Dtd
Gry sh
Sandylms
Shale
Sltstn
Shlyslts
Sltysh
Lms

ACCESSORIES

MINERAL
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Slty

FOSSIL
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE
- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING
- Well
- Moderate
- Poor

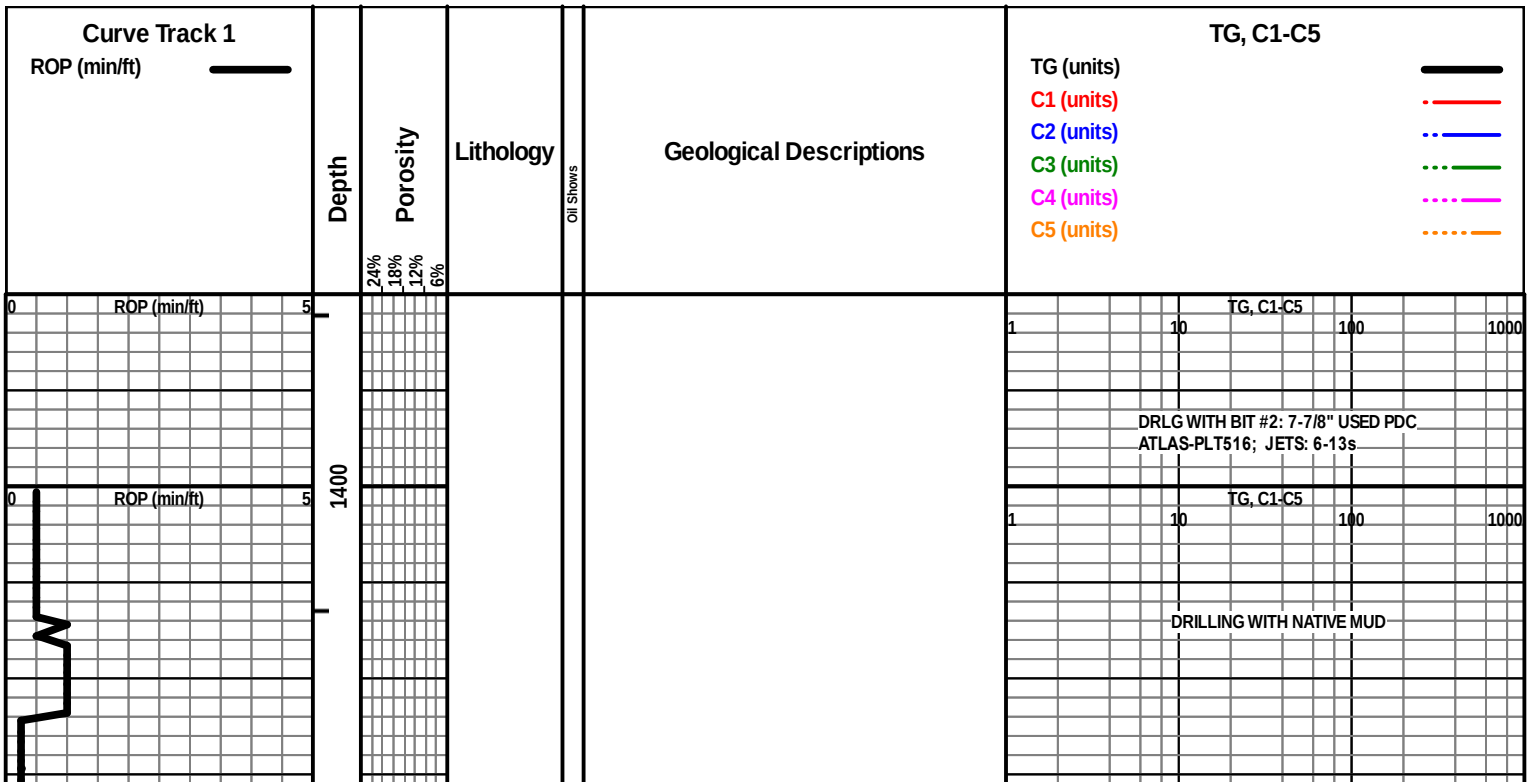
ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

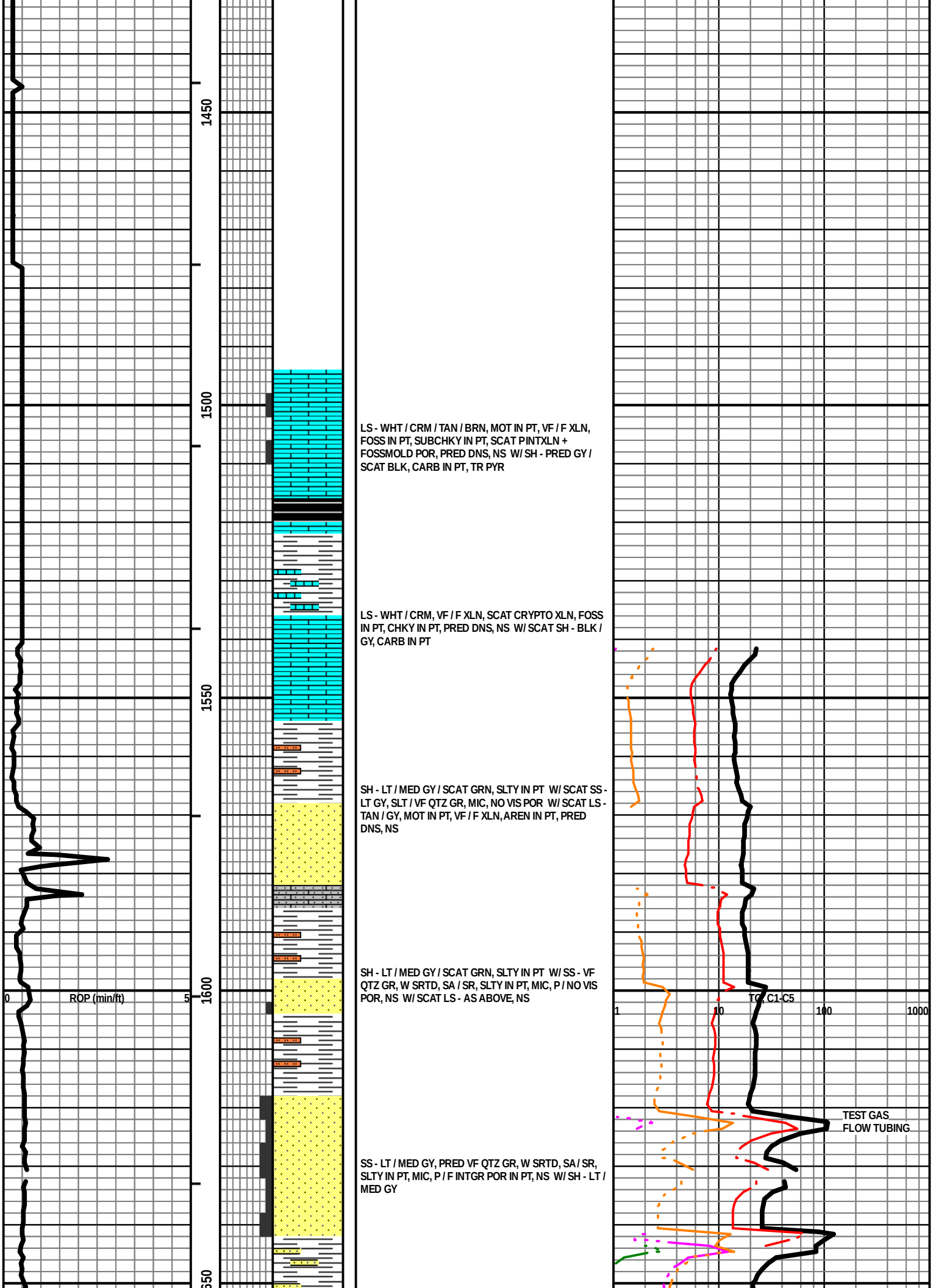
OIL SHOWS
- Even
- Spotted
- Ques
- Dead
- Gas show

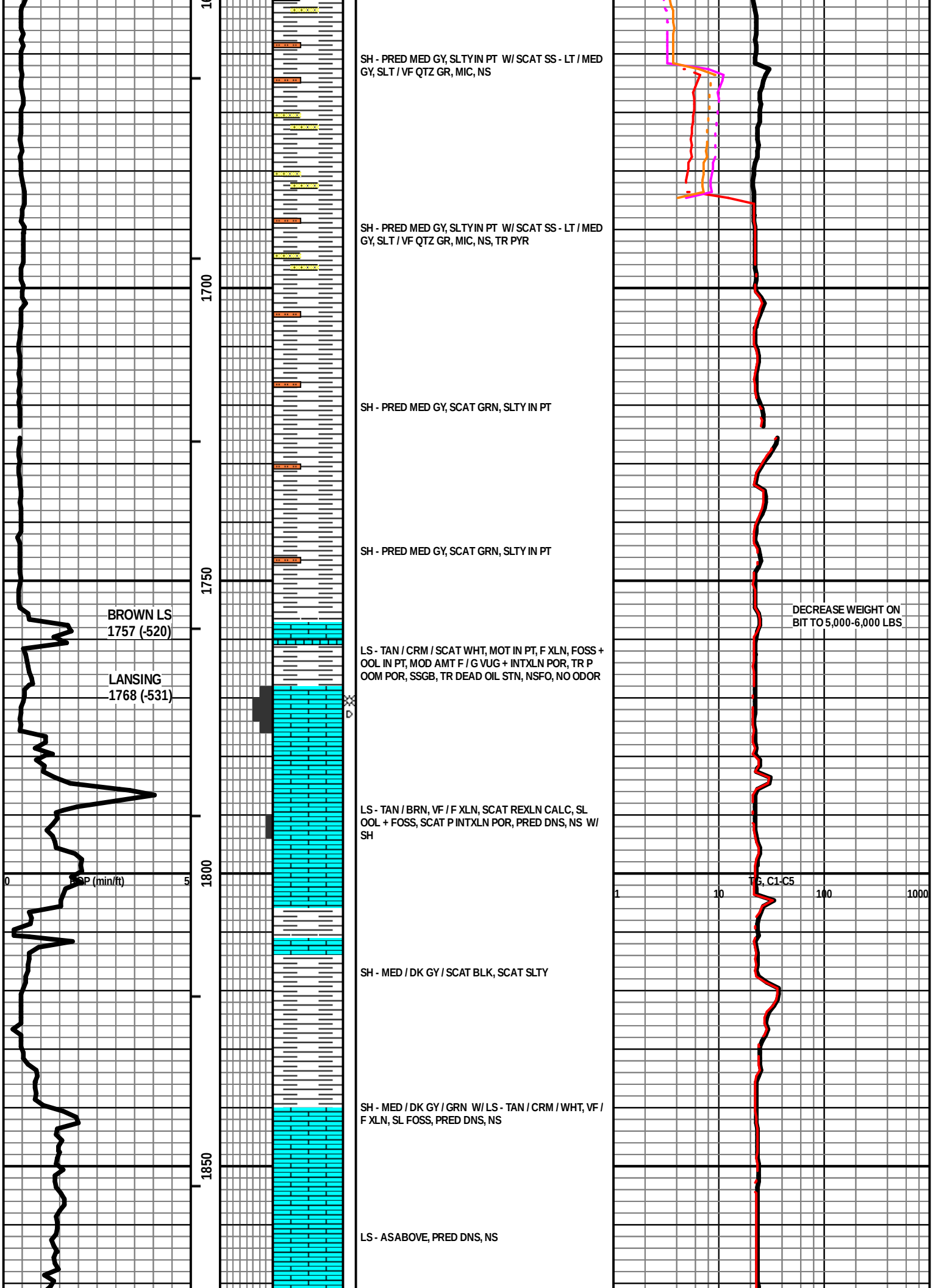
INTERVALS
- Core
- Dst

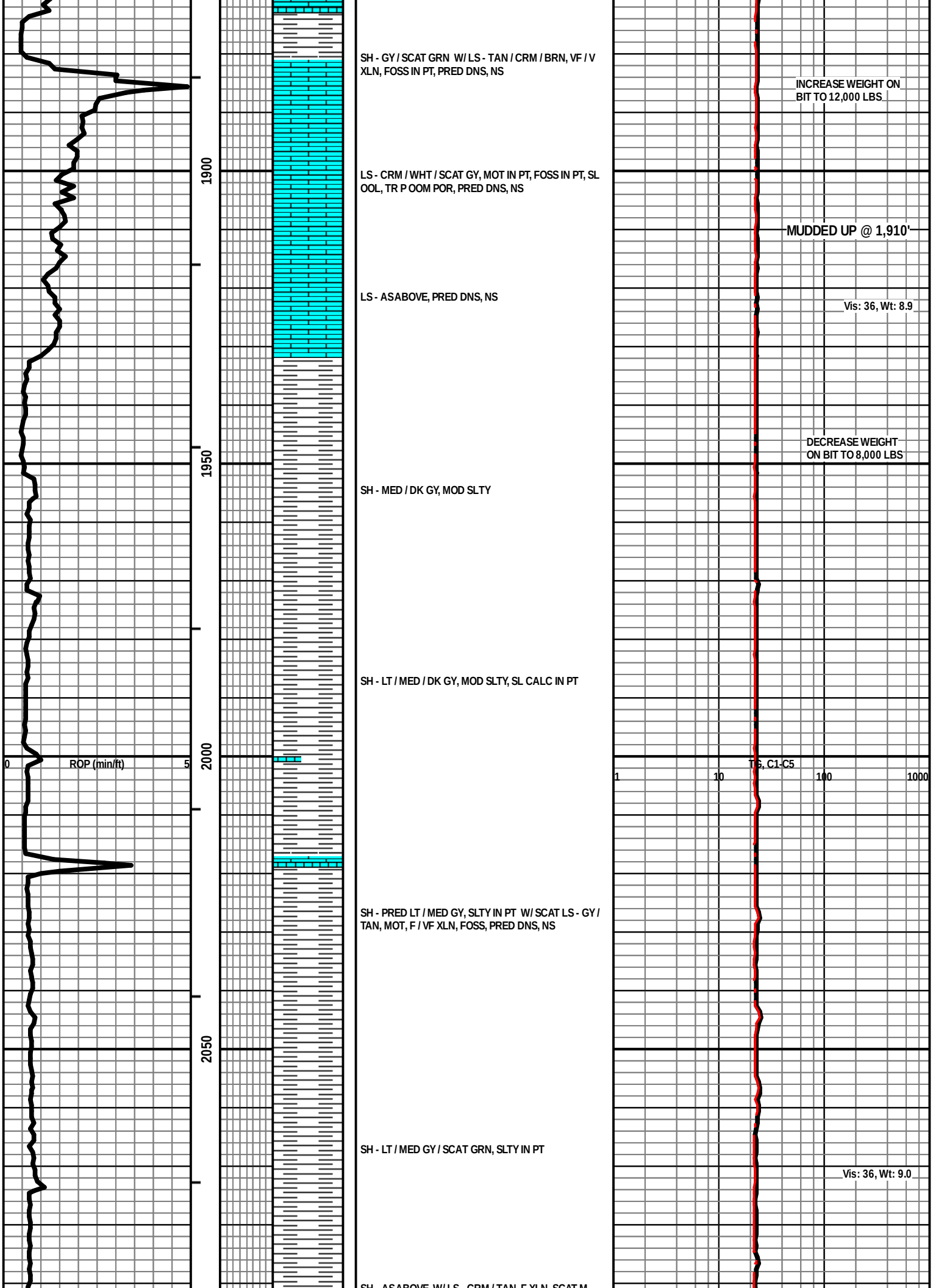
- Dst_1_t
- Dst_1_b
- Dst

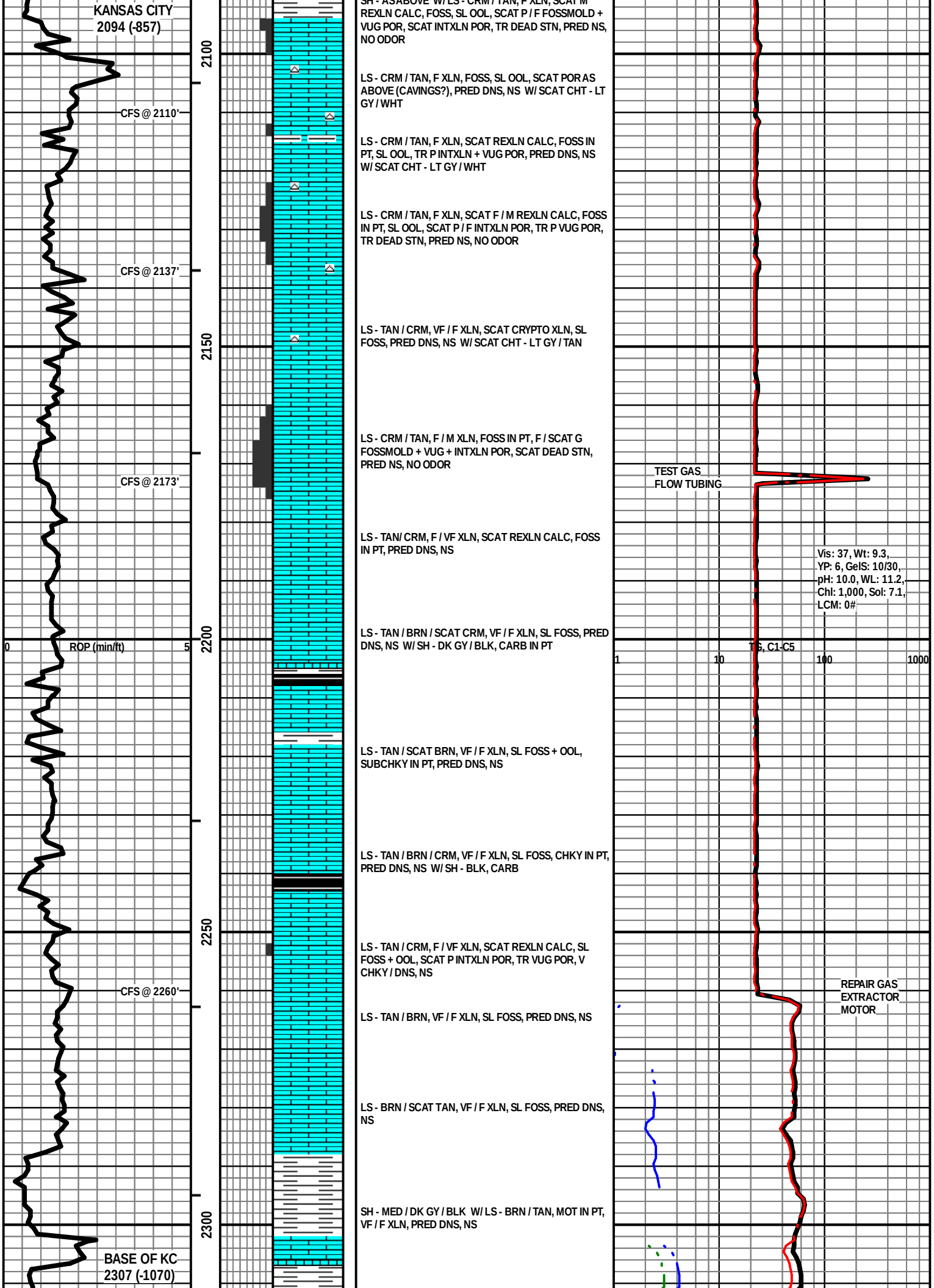
EVENTS
- Rft
- Sidewall
- Conn

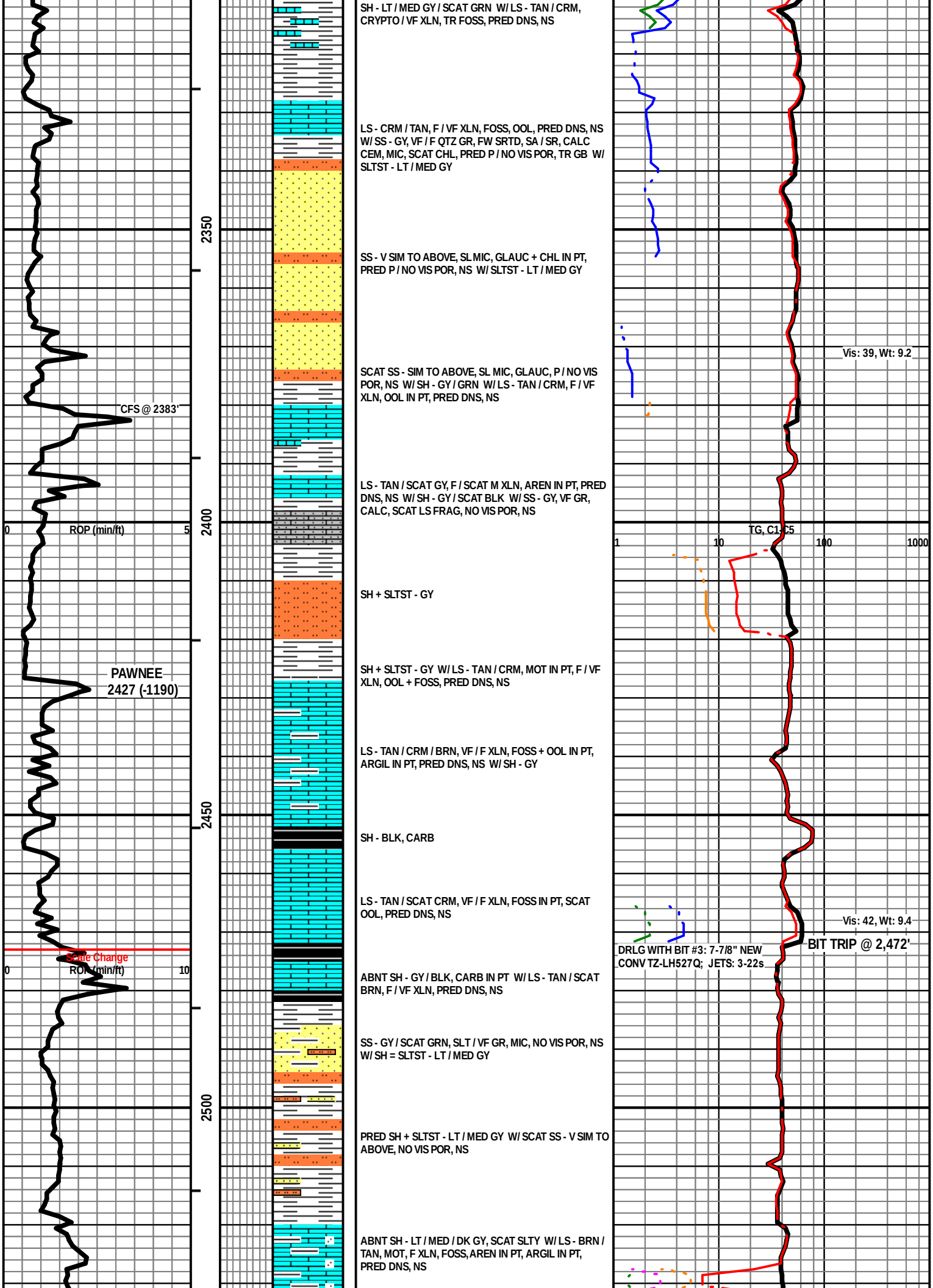


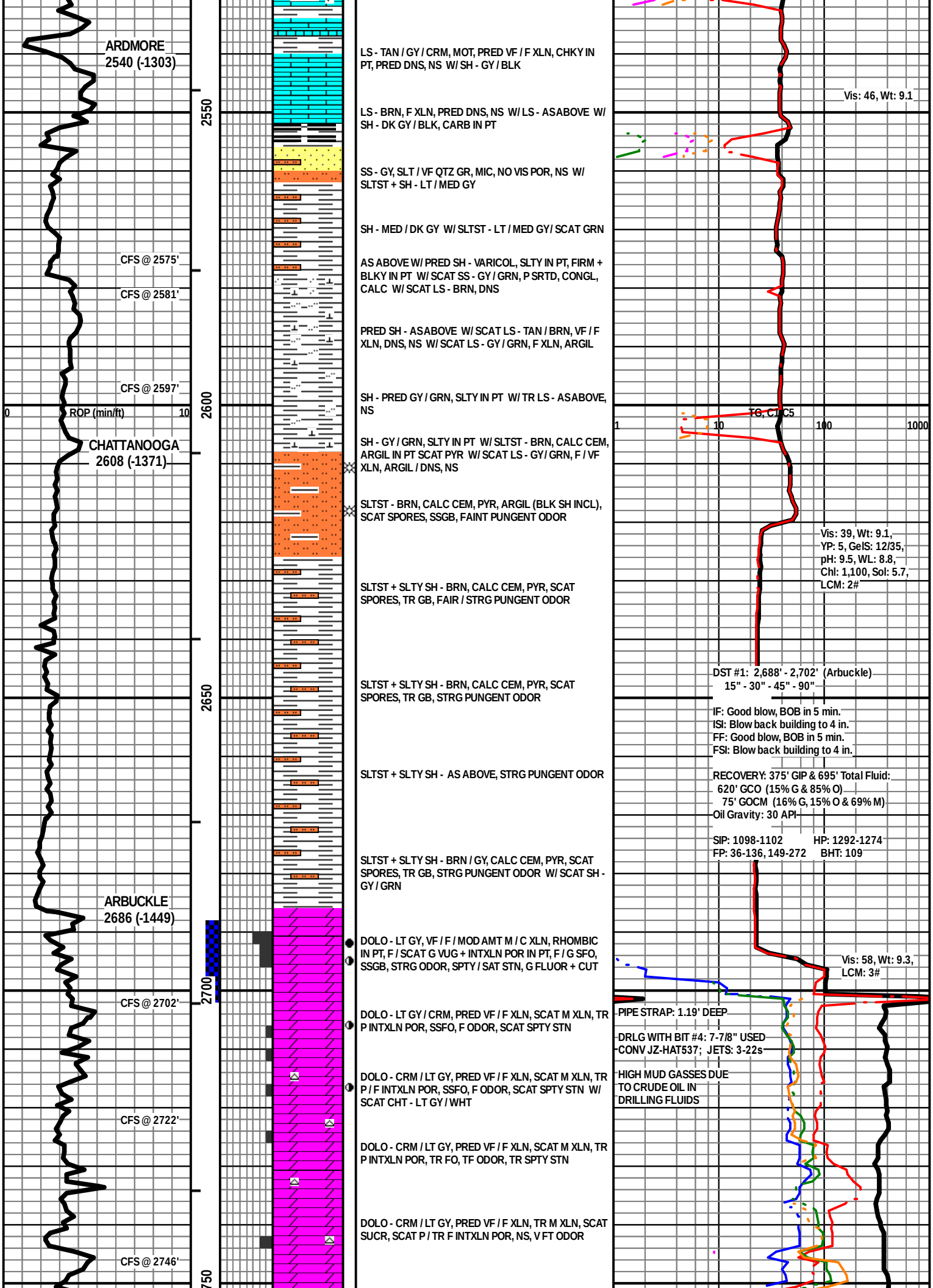

1450
1500
1550
1600
1650
0
ROP (min/ft)
5
LS - WHT / CRM / TAN / BRN, MOT IN PT, VF / F XLN, FOSS IN PT, SUBCHKY IN PT, SCAT PINTXLN + FOSSMOLD POR, PRED DNS, NS W/ SH - PRED GY / SCAT BLK, CARB IN PT, TR PYR
LS - WHT / CRM, VF / F XLN, SCAT CRYPTO XLN, FOSS IN PT, CHKY IN PT, PRED DNS, NS W/ SCAT SH - BLK / GY, CARB IN PT
SH - LT / MED GY / SCAT GRN, SLTY IN PT W/ SCAT SS - LT GY, SLT / VF QTZ GR, MIC, NO VIS POR W/ SCAT LS - TAN / GY, MOT IN PT, VF / F XLN, AREN IN PT, PRED DNS, NS
SH - LT / MED GY / SCAT GRN, SLTY IN PT W/ SS - VF QTZ GR, W SRTD, SA / SR, SLTY IN PT, MIC, P / NO VIS POR, NS W/ SCAT LS - AS ABOVE, NS
SS - LT / MED GY, PRED VF QTZ GR, W SRTD, SA / SR, SLTY IN PT, MIC, P / F INTGR POR IN PT, NS W/ SH - LT / MED GY
TG, C1-C5
1
10
100
1000
TEST GAS
FLOW TUBING

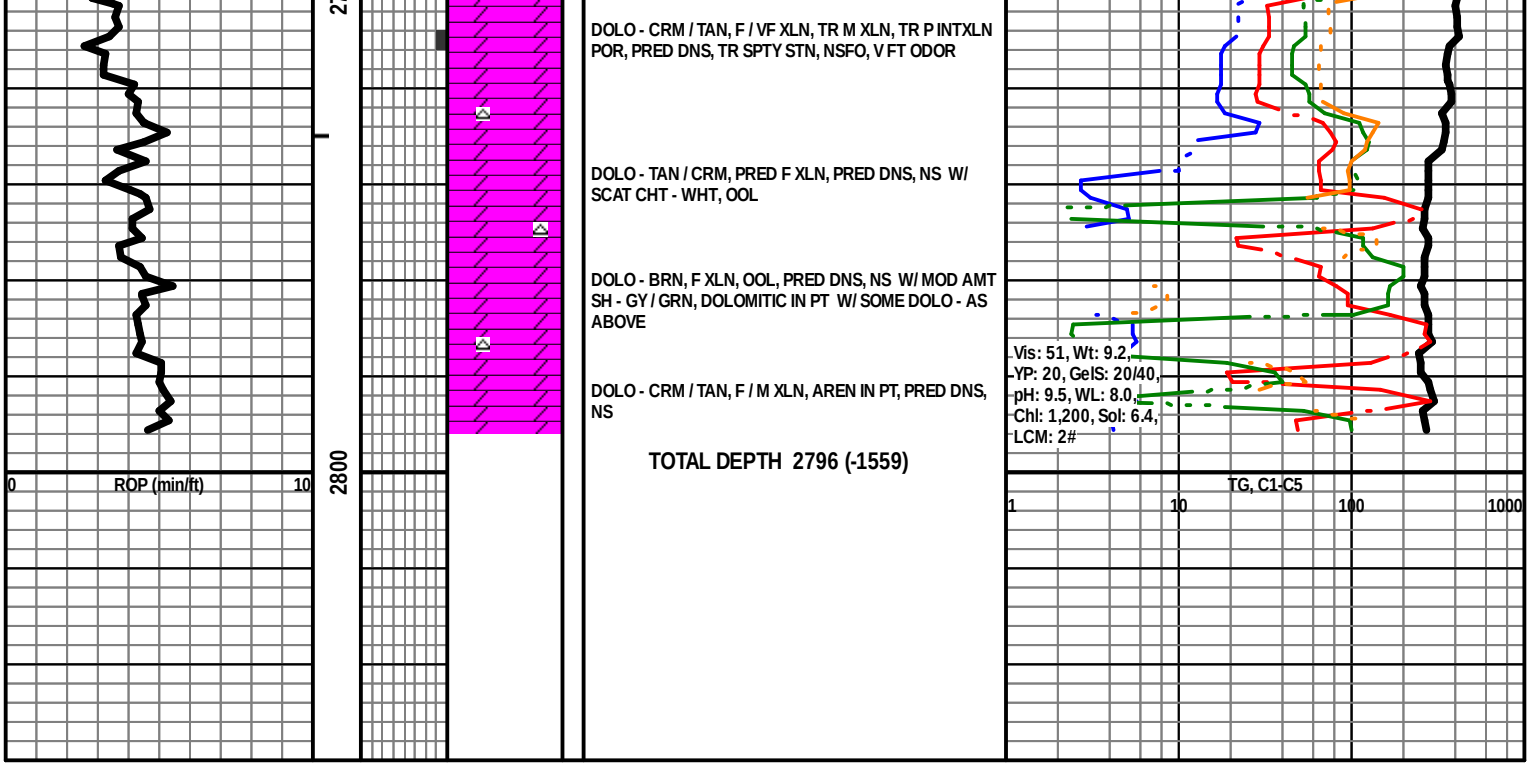

1700
1750
1800
1850
BROWN LS
1757 (-520)
LANSING
1768 (-531)
0
ROP (min/ft)
5
SH - PRED MED GY, SLTYIN PT W/ SCAT SS - LT / MED GY, SLT / VF QTZ GR, MIC, NS
SH - PRED MED GY, SLTYIN PT W/ SCAT SS - LT / MED GY, SLT / VF QTZ GR, MIC, NS, TR PYR
SH - PRED MED GY, SCAT GRN, SLTY IN PT
SH - PRED MED GY, SCAT GRN, SLTY IN PT
LS - TAN / CRM / SCAT WHT, MOT IN PT, F XLN, FOSS + OOL IN PT, MOD AMT F / G VUG + INTXLN POR, TR P OOM POR, SSGB, TR DEAD OIL STN, NSFO, NO ODOR
LS - TAN / BRN, VF / F XLN, SCAT REXLN CALC, SL OOL + FOSS, SCAT P INTXLN POR, PRED DNS, NS W/ SH
SH - MED / DK GY / SCAT BLK, SCAT SLTY
SH - MED / DK GY / GRN W/ LS - TAN / CRM / WHT, VF / F XLN, SL FOSS, PRED DNS, NS
LS - ASABOVE, PRED DNS, NS
DECREASE WEIGHT ON BIT TO 5,000-6,000 LBS
TG, C1-C5
1
10
100
1000


0
ROP (min/ft)
5
1900
1950
2000
2050
SH - GY / SCAT GRN W/ LS - TAN / CRM / BRN, VF / V XLN, FOSS IN PT, PRED DNS, NS
LS - CRM / WHT / SCAT GY, MOT IN PT, FOSS IN PT, SL OOL, TR P OOM POR, PRED DNS, NS
LS - AS ABOVE, PRED DNS, NS
SH - MED / DK GY, MOD SLTY
SH - LT / MED / DK GY, MOD SLTY, SL CALC IN PT
SH - PRED LT / MED GY, SLTY IN PT W/ SCAT LS - GY / TAN, MOT, F / VF XLN, FOSS, PRED DNS, NS
SH - LT / MED GY / SCAT GRN, SLTY IN PT
SH - AS ABOVE W/ LS - CRM / TAN, F XLN, SCAT M
INCREASE WEIGHT ON BIT TO 12,000 LBS
MUDDED UP @ 1,910'
Vis: 36, Wt: 8.9
DECREASE WEIGHT ON BIT TO 8,000 LBS
TG, C1-C5
1
10
100
1000
Vis: 36, Wt: 9.0


KANSAS CITY
2094 (-857)
CFS @ 2110'
CFS @ 2137'
CFS @ 2173'
CFS @ 2260'
BASE OF KC
2307 (-1070)
2100
2150
2200
2250
2300
0
ROP (min/ft)
5
SH - AS ABOVE W/ LS - CRM / TAN, F XLN, SCAT M REXLN CALC, FOSS, SL OOL, SCAT P / F FOSSMOLD + VUG POR, SCAT INTXLN POR, TR DEAD STN, PRED NS, NO ODOR
LS - CRM / TAN, F XLN, FOSS, SL OOL, SCAT POR AS ABOVE (CAVINGS?), PRED DNS, NS W/ SCAT CHT - LT GY / WHT
LS - CRM / TAN, F XLN, SCAT REXLN CALC, FOSS IN PT, SL OOL, TR P INTXLN + VUG POR, PRED DNS, NS W/ SCAT CHT - LT GY / WHT
LS - CRM / TAN, F XLN, SCAT F / M REXLN CALC, FOSS IN PT, SL OOL, SCAT P / F INTXLN POR, TR P VUG POR, TR DEAD STN, PRED NS, NO ODOR
LS - TAN / CRM, VF / F XLN, SCAT CRYPTO XLN, SL FOSS, PRED DNS, NS W/ SCAT CHT - LT GY / TAN
LS - CRM / TAN, F / M XLN, FOSS IN PT, F / SCAT G FOSSMOLD + VUG + INTXLN POR, SCAT DEAD STN, PRED NS, NO ODOR
LS - TAN/ CRM, F / VF XLN, SCAT REXLN CALC, FOSS IN PT, PRED DNS, NS
LS - TAN / BRN / SCAT CRM, VF / F XLN, SL FOSS, PRED DNS, NS W/ SH - DK GY / BLK, CARB IN PT
LS - TAN / SCAT BRN, VF / F XLN, SL FOSS + OOL, SUBCHKY IN PT, PRED DNS, NS
LS - TAN / BRN / CRM, VF / F XLN, SL FOSS, CHKY IN PT, PRED DNS, NS W/ SH - BLK, CARB
LS - TAN / CRM, F / VF XLN, SCAT REXLN CALC, SL FOSS + OOL, SCAT P INTXLN POR, TR VUG POR, V CHKY / DNS, NS
LS - TAN / BRN, VF / F XLN, SL FOSS, PRED DNS, NS
LS - BRN / SCAT TAN, VF / F XLN, SL FOSS, PRED DNS, NS
SH - MED / DK GY / BLK W/ LS - BRN / TAN, MOT IN PT, VF / F XLN, PRED DNS, NS
TEST GAS
FLOW TUBING
Vis: 37, Wt: 9.3,
YP: 6, GelS: 10/30,
pH: 10.0, WL: 11.2,
Chl: 1,000, Sol: 7.1,
LCM: 0#
TG, C1-C5
1
10
100
1000
REPAIR GAS
EXTRACTOR
MOTOR


SH - LT / MED GY / SCAT GRN W/ LS - TAN / CRM, CRYPTO / VF XLN, TR FOSS, PRED DNS, NS
LS - CRM / TAN, F / VF XLN, FOSS, OOL, PRED DNS, NS W/ SS - GY, VF / F QTZ GR, FW SRTD, SA / SR, CALC CEM, MIC, SCAT CHL, PRED P / NO VIS POR, TR GB W/ SLTST - LT / MED GY
SS - V SIM TO ABOVE, SL MIC, GLAUC + CHL IN PT, PRED P / NO VIS POR, NS W/ SLTST - LT / MED GY
SCAT SS - SIM TO ABOVE, SL MIC, GLAUC, P / NO VIS POR, NS W/ SH - GY / GRN W/ LS - TAN / CRM, F / VF XLN, OOL IN PT, PRED DNS, NS
LS - TAN / SCAT GY, F / SCAT M XLN, AREN IN PT, PRED DNS, NS W/ SH - GY / SCAT BLK W/ SS - GY, VF GR, CALC, SCAT LS FRAG, NO VIS POR, NS
SH + SLTST - GY
SH + SLTST - GY W/ LS - TAN / CRM, MOT IN PT, F / VF XLN, OOL + FOSS, PRED DNS, NS
LS - TAN / CRM / BRN, VF / F XLN, FOSS + OOL IN PT, ARGIL IN PT, PRED DNS, NS W/ SH - GY
SH - BLK, CARB
LS - TAN / SCAT CRM, VF / F XLN, FOSS IN PT, SCAT OOL, PRED DNS, NS
ABNT SH - GY / BLK, CARB IN PT W/ LS - TAN / SCAT BRN, F / VF XLN, PRED DNS, NS
SS - GY / SCAT GRN, SLT / VF GR, MIC, NO VIS POR, NS W/ SH = SLTST - LT / MED GY
PRED SH + SLTST - LT / MED GY W/ SCAT SS - V SIM TO ABOVE, NO VIS POR, NS
ABNT SH - LT / MED / DK GY, SCAT SLTY W/ LS - BRN / TAN, MOT, F XLN, FOSS, AREN IN PT, ARGIL IN PT, PRED DNS, NS
2350
2400
2450
2500
CFS @ 2383'
0
ROP (min/ft)
5
PAWNEE
2427 (-1190)
Scale Change
0
ROP (min/ft)
10
Vis: 39, Wt: 9.2
TG, C1-C5
1
10
100
1000
Vis: 42, Wt: 9.4
DRLG WITH BIT #3: 7-7/8" NEW CONV TZ-LH527Q; JETS: 3-22s
BIT TRIP @ 2,472'


ARDMORE
2540 (-1303)
CFS @ 2575'
CFS @ 2581'
CFS @ 2597'
0
ROP (min/ft)
10
CHATTANOOGA
2608 (-1371)
ARBUCKLE
2686 (-1449)
CFS @ 2702'
CFS @ 2722'
CFS @ 2746'
2550
2600
2650
2700
2750
LS - TAN / GY / CRM, MOT, PRED VF / F XLN, CHKY IN PT, PRED DNS, NS W/ SH - GY / BLK
LS - BRN, F XLN, PRED DNS, NS W/ LS - ASABOVE W/ SH - DK GY / BLK, CARB IN PT
SS - GY, SLT / VF QTZ GR, MIC, NO VIS POR, NS W/ SLTST + SH - LT / MED GY
SH - MED / DK GY W/ SLTST - LT / MED GY/ SCAT GRN
AS ABOVE W/ PRED SH - VARICOL, SLTY IN PT, FIRM + BLKY IN PT W/ SCAT SS - GY / GRN, P SRTD, CONGL, CALC W/ SCAT LS - BRN, DNS
PRED SH - ASABOVE W/ SCAT LS - TAN / BRN, VF / F XLN, DNS, NS W/ SCAT LS - GY / GRN, F XLN, ARGIL
SH - PRED GY / GRN, SLTY IN PT W/ TR LS - ASABOVE, NS
SH - GY / GRN, SLTY IN PT W/ SLTST - BRN, CALC CEM, ARGIL IN PT SCAT PYR W/ SCAT LS - GY / GRN, F / VF XLN, ARGIL / DNS, NS
SLTST - BRN, CALC CEM, PYR, ARGIL (BLK SH INCL), SCAT SPORES, SSGB, FAINT PUNGENT ODOR
SLTST + SLTY SH - BRN, CALC CEM, PYR, SCAT SPORES, TR GB, FAIR / STRG PUNGENT ODOR
SLTST + SLTY SH - BRN, CALC CEM, PYR, SCAT SPORES, TR GB, STRG PUNGENT ODOR
SLTST + SLTY SH - AS ABOVE, STRG PUNGENT ODOR
SLTST + SLTY SH - BRN / GY, CALC CEM, PYR, SCAT SPORES, TR GB, STRG PUNGENT ODOR W/ SCAT SH - GY / GRN
DOLO - LT GY, VF / F / MOD AMT M / C XLN, RHOMBIC IN PT, F / SCAT G VUG + INTXLN POR IN PT, F / G SFO, SSGB, STRG ODOR, SPTY / SAT STN, G FLUOR + CUT
DOLO - LT GY / CRM, PRED VF / F XLN, SCAT M XLN, TR P INTXLN POR, SSFO, F ODOR, SCAT SPTY STN
DOLO - CRM / LT GY, PRED VF / F XLN, SCAT M XLN, TR P / F INTXLN POR, SSFO, F ODOR, SCAT SPTY STN W/ SCAT CHT - LT GY / WHT
DOLO - CRM / LT GY, PRED VF / F XLN, SCAT M XLN, TR P INTXLN POR, TR FO, TF ODOR, TR SPTY STN
DOLO - CRM / LT GY, PRED VF / F XLN, TR M XLN, SCAT SUCR, SCAT P / TR F INTXLN POR, NS, V FT ODOR
Vis: 46, Wt: 9.1
1
TG, C1/C5
10
100
1000
Vis: 39, Wt: 9.1,
YP: 5, GelS: 12/35,
pH: 9.5, WL: 8.8,
Chl: 1,100, Sol: 5.7,
LCM: 2#
DST #1: 2,688' - 2,702' (Arbuckle)
15" - 30" - 45" - 90"
IF: Good blow, BOB in 5 min.
ISI: Blow back building to 4 in.
FF: Good blow, BOB in 5 min.
FSI: Blow back building to 4 in.
RECOVERY: 375' GIP & 695' Total Fluid:
620' GCO (15% G & 85% O)
75' GOCM (16% G, 15% O & 69% M)
Oil Gravity: 30 API
SIP: 1098-1102 HP: 1292-1274
FP: 36-136, 149-272 BHT: 109
Vis: 58, Wt: 9.3,
LCM: 3#
PIPE STRAP: 1.19' DEEP
DRLG WITH BIT #4: 7-7/8" USED
CONV JZ-HAT537; JETS: 3-22s
HIGH MUD GASSES DUE
TO CRUDE OIL IN
DRILLING FLUIDS


0
ROP (min/ft)
10
2800
DOLO - CRM / TAN, F / VF XLN, TR M XLN, TR P INTXLN POR, PRED DNS, TR SPTY STN, NSFO, V FT ODOR
DOLO - TAN / CRM, PRED F XLN, PRED DNS, NS W/ SCAT CHT - WHT, OOL
DOLO - BRN, F XLN, OOL, PRED DNS, NS W/ MOD AMT SH - GY / GRN, DOLOMITIC IN PT W/ SOME DOLO - AS ABOVE
DOLO - CRM / TAN, F / M XLN, AREN IN PT, PRED DNS, NS
TOTAL DEPTH 2796 (-1559)
Vis: 51, Wt: 9.2,
YP: 20, GelS: 20/40,
pH: 9.5, WL: 8.0,
Chl: 1,200, Sol: 6.4,
LCM: 2#
TG, C1-C5
1
10
100
1000

DRILL STEM TEST REPORT

Stew art Producers, Inc.

301 North 27th Street
Mount Vernon, IL
62864-0546

ATTN: Mrk Thompson/Dave Go

26/28S/4E Butler, KS

Bannon Trust #1

Job Ticket: 63377 **DST#: 1**

Test Start: 2018.03.21 @ 14:17:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:55:00
Time Test Ended: 22:13:20

Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 80

Interval: 2688.00 ft (KB) To 2702.00 ft (KB) (TVD)
Total Depth: 2702.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

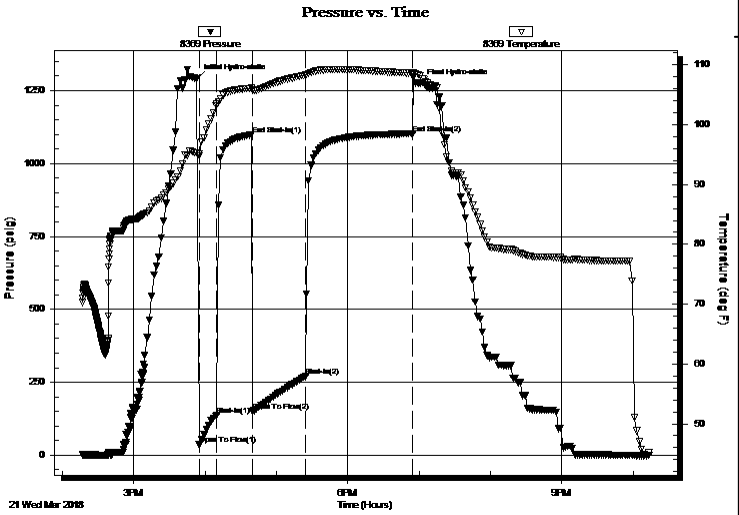
Reference Elevations: 1237.00 ft (KB)
1228.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8369 **Outside**

Press@RunDepth: 272.06 psig @ 2689.00 ft (KB)
Start Date: 2018.03.21 End Date: 2018.03.21
Start Time: 14:17:01 End Time: 22:13:20

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2018.03.21 @ 15:53:10
Time Off Btm: 2018.03.21 @ 19:01:00

TEST COMMENT: IF - Weak blow building to strong blow 5 minutes into initial flow period.
IS - 4 inch blow back during initial shut-in period.
FF - Weak blow building to strong blow 5 minutes into final flow period.
FS - 4 inch blow back during final shut-in period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1292.08	95.32	Initial Hydro-static
2	35.83	94.84	Open To Flow (1)
17	136.09	103.45	Shut-In(1)
47	1098.10	106.10	End Shut-In(1)
47	149.32	105.77	Open To Flow (2)
92	272.06	108.27	Shut-In(2)
182	1101.67	108.59	End Shut-In(2)
188	1273.87	108.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	Gassy HOC M 16% G 15% O 69%	0.37
620.00	Gassy clean oil 15% G 85% O	6.60
375.00	Gas in pipe 100% G	5.26

Gas Rates

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

DRILL STEM TEST REPORT

Stew art Producers, Inc.

301 North 27th Street
Mount Vernon, IL
62864-0546

ATTN: Mrk Thompson/Dave Go

26/28S/4E Butler, KS

Bannon Trust #1

Job Ticket: 63377 **DST#: 1**

Test Start: 2018.03.21 @ 14:17:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:55:00
Time Test Ended: 22:13:20

Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 80

Interval: 2688.00 ft (KB) To 2702.00 ft (KB) (TVD)
Total Depth: 2702.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

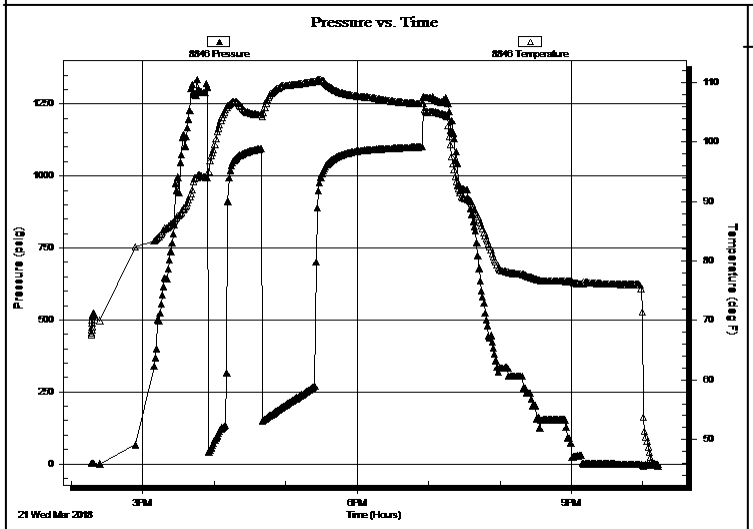
Reference Elevations: 1237.00 ft (KB)
1228.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8846 **Inside**

Press@RunDepth: psig @ 2689.00 ft (KB)
Start Date: 2018.03.21 End Date: 2018.03.21
Start Time: 14:17:01 End Time: 22:13:20

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF - Weak blow building to strong blow 5 minutes into initial flow period.
IS - 4 inch blow back during initial shut-in period.
FF - Weak blow building to strong blow 5 minutes into final flow period.
FS - 4 inch blow back during final shut-in period.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
75.00	Gassy HOC M 16% G 15% O 69%	0.37
620.00	Gassy clean oil 15% G 85% O	6.60
375.00	Gas in pipe 100% G	5.26

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Stew art Producers, Inc.

301 North 27th Street
Mount Vernon, IL
62864-0546

ATTN: Mrk Thompson/Dave Go

26/28S/4E Butler, KS

Bannon Trust #1

Job Ticket: 63377 **DST#: 1**

Test Start: 2018.03.21 @ 14:17:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	30.3 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1100.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	Gassy HOC M 16% G 15% O 69%	0.369
620.00	Gassy clean oil 15% G 85% O	6.602
375.00	Gas in pipe 100% G	5.260

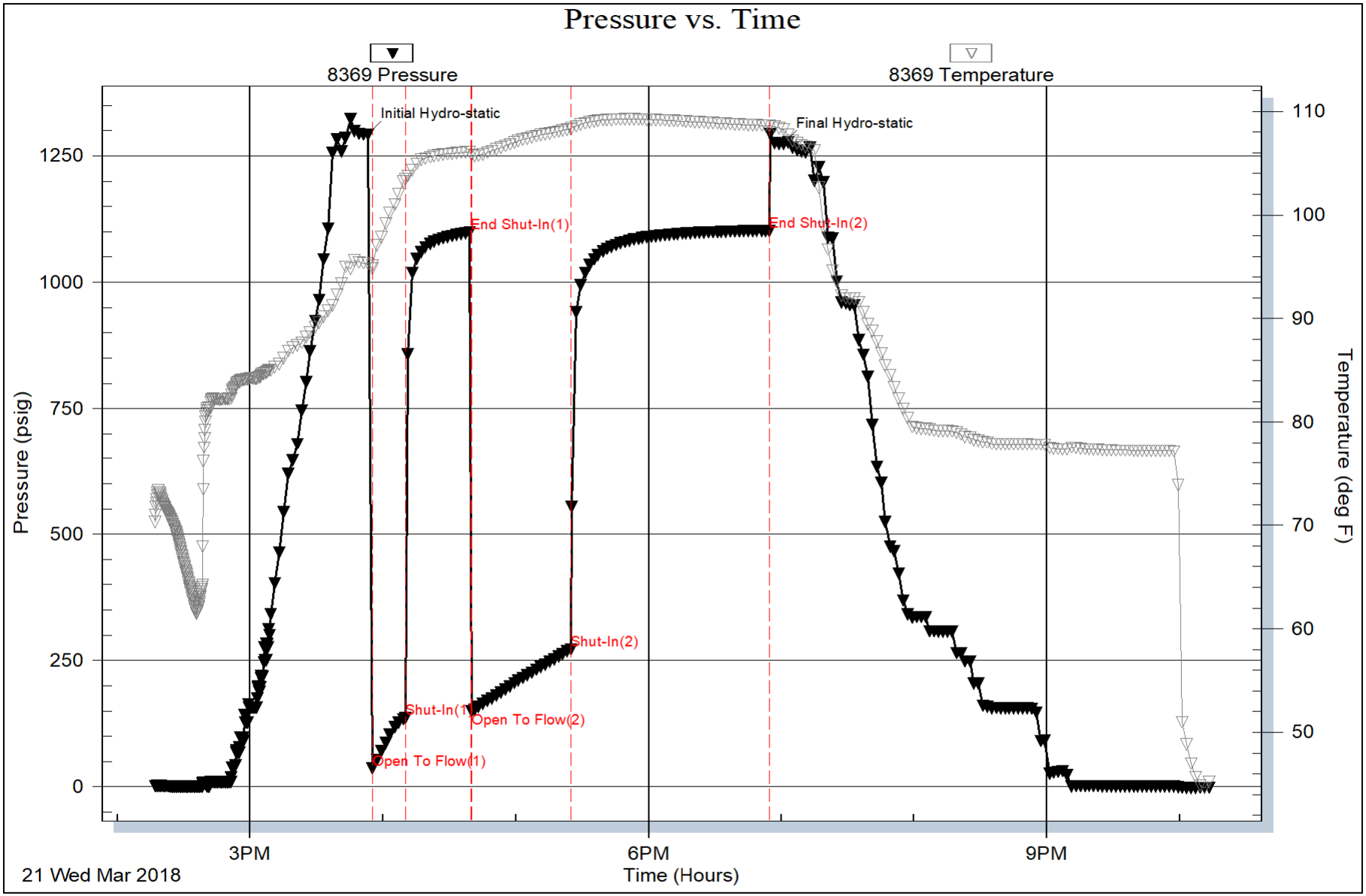
Total Length: 1070.00 ft Total Volume: 12.231 bbl

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

Laboratory Name: Laboratory Location:

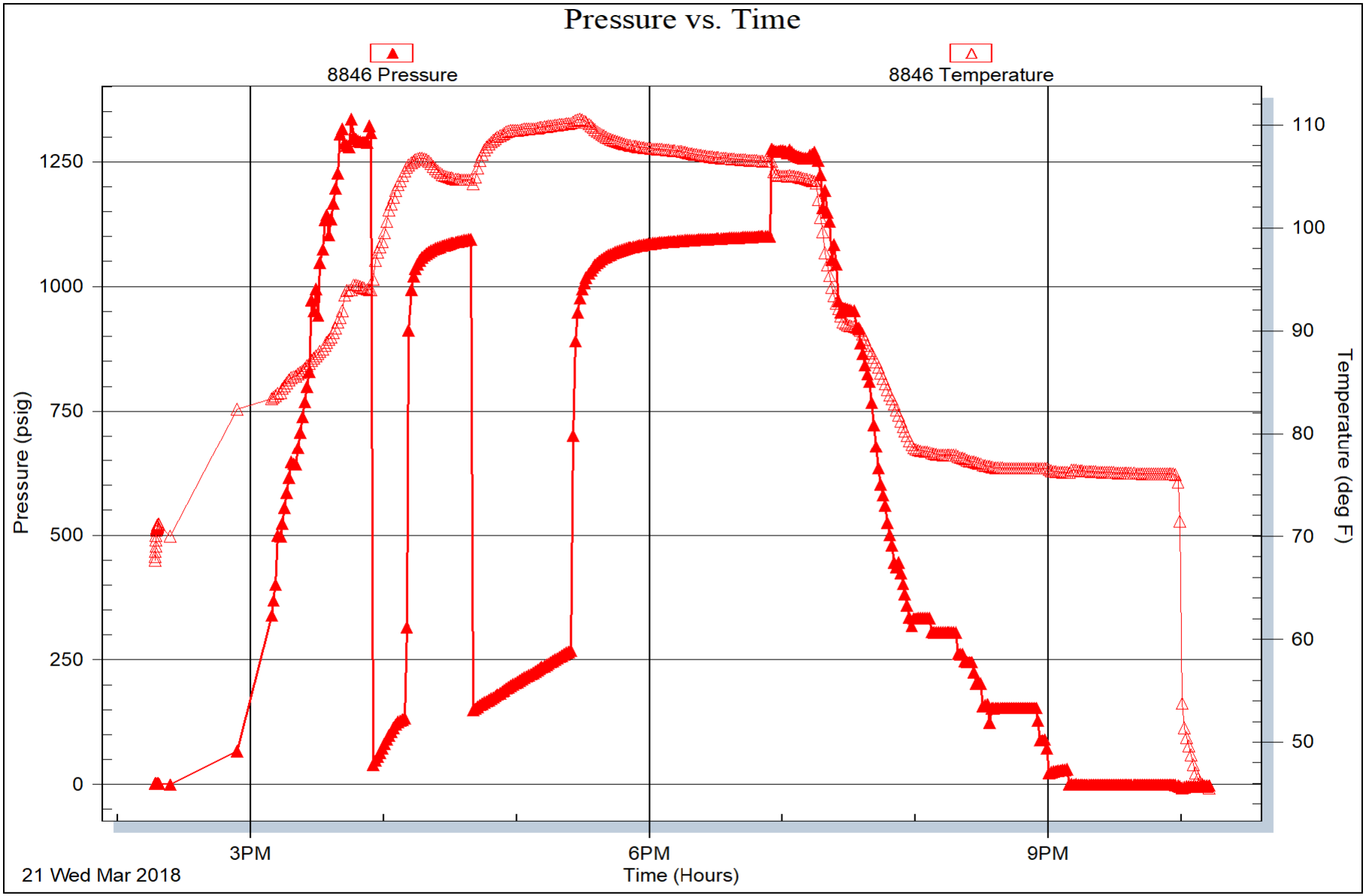
Recovery Comments:

Serial #: 8369 **Outside** Stew art Producers, Inc. Bannon Trust #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63377 Printed: 2018.03.22 @ 07:26:20

Serial #: 8846 **Inside** Stew art Producers, Inc. Bannon Trust #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63377 Printed: 2018.03.22 @ 07:26:20

810 E 7TH
PO Box 92
EUREKA, KS 67045
(620) 583-5561

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. 3775
Foreman Kevin McCoy
Camp

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
3-22-18	1264	Bannon Trust #1	26	28S	4E	Butler	Ks

Customer	Safety Meeting	Unit #	Driver	Unit #	Driver
Stewart Producers, INC.	KM DG AB SM	105	Dave G.		
Mailing Address: P.O. Box 546		112	Steve M.		
		113	Allen B.		
City: Mt Vernon	State: IL	Zip Code: 62864-0546			

Job Type Longstring — Hole Depth 2796' KB — Slurry Vol. 19 BBL Lead 42 BBL TAIL — Tubing
Casing Depth 2784.60' G.L. — Hole Size 7 7/8" — Slurry Wt. 12.8 # - 13.8 # — Drill Pipe
Casing Size & Wt. 5 1/2" 17 # — Cement Left in Casing 33.90' — Water Gal/SK — Other PBTD 2749'
Displacement 64.7 BBL — Displacement PSI 900 — Bump Plug to 1400 PSI — BPM

Remarks: Safety Meeting: Rig up to 5 1/2 Casing w/ Rotating Swivel & Cementing Head. Break Circulation, Pump 10 BBL Metasilicate Pre Flush, 10 BBL Fresh water Spacer, Mixed 65 SKS 60/40 Pozmix Cement w/ 6% Gel, 2# PhenoSeal/SK @ 12.8 #/gal, yield 1.65 = 19 BBL Slurry. Tail in w/ 135 SKS Thick Set Cement w/ 5# Kol-Seal/SK, 1# PhenoSeal/SK @ 13.8 #/gal, yield 1.75 = 42 BBL Slurry. Wash out Pump & Lines. Shut down. Release Latch down Plug. Displace Plug to Seat w/ 64.7 BBL fresh water. (KCL in First 30 BBL) Final Pumping Pressure 900 PSI. Bump Plug to 1400 PSI. Wait 2 mins. Release Pressure. Float & Plug Held. Good Circulation @ all times while Cementing. Rotated Casing while Displacing Plug. Job Complete. Rig down.

Note: Plug RAT Hole & Mouse Hole
Centralizers on #1, 2, 4, 5, 8, 10, 12, 14, 16 Cement Basket on Top of #5

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1050.00	1050.00
C 107	25	Mileage	3.95	98.75
C 112	1	5 1/2 Rotating Swivel Rental	100.00	100.00
C 203	100 SKS	60/40 Pozmix Cement	12.75	1275.00
C 206	515 #	6% Gel } Lead Cement = 65 SKS	.20 #	103.00
C 208	200 #	2# PhenoSeal/SK } RAT hole 20SK, MH 15 SKS	1.25 #	250.00
C 201	135 SKS	Thick Set Cement	19.50	2632.50
C 207	675 #	5# Kol-Seal/SK } TAIL Cement	.45 #	303.75
C 208	135 #	1# PhenoSeal/SK	1.25 #	168.75
C 216	50 #	Metasilicate Pre Flush (Mixed w/ 10 BBL water)	2.00 #	100.00
C 222	3 gals	KCL (First 30 BBL of Displacement water)	34.00	102.00
C 108 A	11.73 Tons	Ton Mileage Bulk Trucks x 2	M/c	690.00
C 691	1	5 1/2 Guide Shoe	167.00	167.00
C 674	1	5 1/2 AFU Float Collar w/ Latch down insert	342.00	342.00
C 604	1	5 1/2 Cement Basket	225.00	225.00
C 504	9	5 1/2 x 7 7/8 Centralizers	48.00	432.00
C 421	1	5 1/2 Latch down Plug	230.00	230.00
			Sub Total	8269.75
		THANK You	Less 5%	435.19
		6.75%	Sales Tax	434.09
			Total	8268.65

Authorization [signature] Title

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

810 E 7TH
PO Box 92
EUREKA, KS 67045
(620) 583-5561

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. **3794**
Foreman Russell McCoy
Camp Eureka

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
3-18-18	1264	Bannon Trust #1	26	28 S	4 E	Butler	KS

Customer	Safety Meeting	Unit #	Driver	Unit #	Driver
Stewart Producers Inc.		105	Dave		
Mailing Address		112	Jason		
P.O. Box 546					
City / State / Zip Code					
Mt Vernon / IL / 62864-0546					

Job Type Surface — Hole Depth 222 — Slurry Vol. 30 — Tubing
Casing Depth 211 G.L. — Hole Size 12 1/4 — Slurry Wt. 15 # — Drill Pipe
Casing Size & Wt. 8 5/8 — Cement Left in Casing 20 — Water Gal/SK 6.5 — Other
Displacement 12 1/2 — Displacement PSI — Bump Plug to — BPM 5

Remarks: Safety meeting. Rig to 8 5/8 casing. Break circulation w/ 5 Bbl water. Mix 125 sks class A cement w/ 3% cc 2% Gel 1/4 # Flocele. = 30 Bbl slurry. Displace w/ 12 1/2 Bbl water. 5 Bbl cement slurry to surface. Close casing in @ 0 PSI. Job complete. Tear down.

Thank you
Russell McCoy

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	840.00	840.00
C107	25	Mileage	3.95	98.75
C200	125	SK's class A cement	15.00	1875.00
C205	350 #	CaCl2 = 3%	.60	210.00
C206	235 #	Gel = 2%	.20	47.00
C209	30 #	Flocele = 1/4 # per/SK	2.25	67.50
C108A	5.88	Ton Ton mileage Bulk Truck	N/C	345.00
				3,483.25
		OKed by Mark Thompson By Phone	-5%	181.59
		Co Rep 6.75%	Sales Tax	148.47
			Total	$ 3,450.13

Authorization Witnessed by Judd Gulick Title CTB Rig Pusher

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.