Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1078301

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5316
Name: Falcon Exploration, Inc.
Address 1: 125 N MARKET STE 1252
Address 2:
City: WICHITA State: KS Zip: 67202 + 1719
Contact Person: CYNDE WOLF
Phone: (316) 262-1378
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: DAVE WILLIAMS/KEITH REAVIS
Purchaser: NA

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☑ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ 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 ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

01/03/2012	01/16/2012	03/29/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-069-20357-00-00
Spot Description:
_ - _ - _ - NE Sec. 13 Twp. 28 S. R. 30 ☐ East ☑ West
1320 Feet from ☑ North / ☐ South Line of Section
1320 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: Gray
Lease Name: HENRY KOEHN Well #: 1-13(NE)
Field Name:
Producing Formation: NA
Elevation: Ground: 2797 Kelly Bushing: 2810
Total Vertical Depth: 5440 Plug Back Total Depth: 3803
Amount of Surface Pipe Set and Cemented at: 1870 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: 7500 ppm Fluid volume: 750 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: 04/17/2012
☑ **Confidential Release Date:** 04/17/2014
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 04/17/2012

[redacted] 1078301

Operator Name: Falcon Exploration, Inc. Lease Name: HENRY KOEHN Well #: 1-13(NE)

Sec. 13 Twp. 28 S. R. 30 ☐ East ☑ West County: Gray

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ 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	24	1870	65/35;Class A	750	gel, CC
PRODUCTION	7.875	5.5	14	3828	AA2	125	WCO, SALT, C15

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	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	3601-3608	500 GAL MA	3601-3608
		BRIDGE PLUG	3580
4	3541-3547	1000 GAL MA	3541-3547

TUBING RECORD: Size: 2.875 Set At: 3550 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR.

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	HENRY KOEHN 1-13(NE)
Doc ID	1078301

All Electric Logs Run

DIL
MEL
BHCS
CNL/CDL

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	HENRY KOEHN 1-13(NE)
Doc ID	1078301

Tops

Name	Top	Datum
STOTLER	3518	-708
TARKIO	3594	-784
LANSING	4238	-1428
PAWNEE	4824	-2014
CHEROKEE SH	4873	-2063
MRW SH	5053	-2240
MISS ST GEN	5111	-2301
ST LOUIS B POR	5203	-2393
SALEM	5376	-2566

ALLIED OIL & GAS SERVICES, LLC 053353

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Liberal KS.

DATE 1-05-11	SEC. 13	TWP. 28s	RANGE 30w	CALLED OUT	ON LOCATION	JOB START 11:30 Am	JOB FINISH 12:30 Pm
LEASE Henry Koen (NE)	WELL # 1-13		LOCATION East of Coopland KS to Cord #7 North to CR BB west into			COUNTY Gray	STATE KS.
OLD OR NEW (Circle one)							

CONTRACTOR Sterling
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 1875
CASING SIZE 8 5/8 DEPTH 1825.52
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH
TOOL DEPTH
PRES. MAX 1500 MINIMUM 500
MEAS. LINE SHOE JOINT 40.70
CEMENT LEFT IN CSG. 40.70
PERFS.
DISPLACEMENT

OWNER

EQUIPMENT

PUMP TRUCK CEMENTER Kenny
#470-484 HELPER Jose
BULK TRUCK
#472-467 DRIVER Lenny & Jeremiah
BULK TRUCK
#456-239 DRIVER Francisco.

REMARKS:

Circulated Cement to Surface
Landed Plug & Held.
THANK You!!!

CEMENT

AMOUNT ORDERED 600 SK 65/35/6 3% gel 3% CC 1/4# Floseal 150 SK Class A 3% CC 2% gel

COMMON	150	@ 16.25	2437.50
POZMIX		@	
GEL	3	@ 21.25	63.75
CHLORIDE	20	@ 58.20	1164.00
ASC		@	
		@	
Light Weight 600		@ 15.00	9000.00
		@	
Floseal	188	@ 2.70	507.60
		@	
		@	
		@	
		@	
HANDLING	781	@ 2.25	1757.25
MILEAGE			4295.50
		TOTAL	19225.60

SERVICE

DEPTH OF JOB			1850.00
PUMP TRUCK CHARGE			1925.00
EXTRA FOOTAGE		@	
MILEAGE	100	@ 7.00	700.00
MANIFOLD	1	@ 200.00	200.00
	100	@ 4.00	400.00
		@	
		TOTAL	3225.00

PLUG & FLOAT EQUIPMENT

Centralizers	3	@ 67.00	201.00
Baskets	3	@ 314.00	942.00
AFU Insert	1	@ 238.00	238.00
Guide Shoe	1	@ 404.00	404.00
Rubber Plug	1	@ 101.00	101.00
		TOTAL	1886.00

CHARGE TO: Falcon Exploration
STREET
CITY STATE ZIP

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME
SIGNATURE

SALES TAX (If Any)
TOTAL CHARGES $24336.60
DISCOUNT $18252.45 IF PAID IN 30 DAYS

BASIC ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer	Falcon Exploration	Lease No.		Date	1-16-12
Lease	Henry Koehn	Well #	1-13	Service Receipt	1717 C9508
Casing	5 1/2 14#	Depth	3816	County	Gray
State	Ks	Job Type	Z42 5 1/2 L.S.	Formation	
Legal Description	13-28S-30W				

Pipe Data				Perforating Data		Cement Data
				Shots/Ft		Lead
Casing size	5 1/2 14#	Tubing Size		From	To	5-Ecsllshect
Depth	3816	Depth		From	To	
Volume		Volume		From	To	Tail in
Max Press		Max Press		From	To	
Well Connection		Annulus Vol.		From	To	
Plug Depth	3803	Packer Depth		From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumbed	Rate	Service Log
15:30					on Loc. / Held Safety Meeting
16:30					Start Csg.
18:15					Csg. on Bottom Cir. of Rig
18:50	3000				Test Pump + Lines
18:52	200		5	4	Start Fresh H2O
18:54	400		12	4	Start Super Flush II (Set Float Shoe Set w/1900#)
18:57			5	4	Start Fresh H2O
18:59					Shutdown + Knock Loose
19:03	150		5	2.5	Plug Mouse Hole w/20sk @ 13.5#
19:09	150		8	2.5	Plug Rat Hole w/30sk @ 13.5#
19:15					Knock Loose + Hook up to Pipe
19:15	100		24	5	Start Cmt 125sk @ 14.8#
19:28					Shutdown + Wash up
19:34					Drop Plug
19:36	450		0	2-7.3	Start Disp. w/ Fresh H2O
19:44	900		77	7.5-2	Slow Rate
19:51	1800		93	2	Bump Plug
19:52					Release + ✓ Plug
19:53					Plug Did not Hold
19:57	850				Pressure up well + Shut in
19:58	0				Release Pressure
20:00					End Job

Service Units	21105	27462	19827/17516			
Driver Names	Cochran	Mendoza	L. Vasquez			

Chuck
Customer Representative

J. Bennett
Station Manager

M. Cochran
Cementer

Taylor Printing, Inc.

Company	**Falcon Exploration Inc.**	Lease Name	**Henry Koehn NE**
Address	**125 N Market Ste 1252**	Lease #	**1-13**
CSZ	**Wichita, KS 67202**	Legal Desc	**NE**
Attn.	**Dave Williams**	Section	**13**
		Township	**28s**
		County	**Gray**
		Drilling Cont	**Sterling Drilling # 5**

Job Ticket **3458**
Range **30w**
State **KS**

Comments **Field: WC**

GENERAL INFORMATION

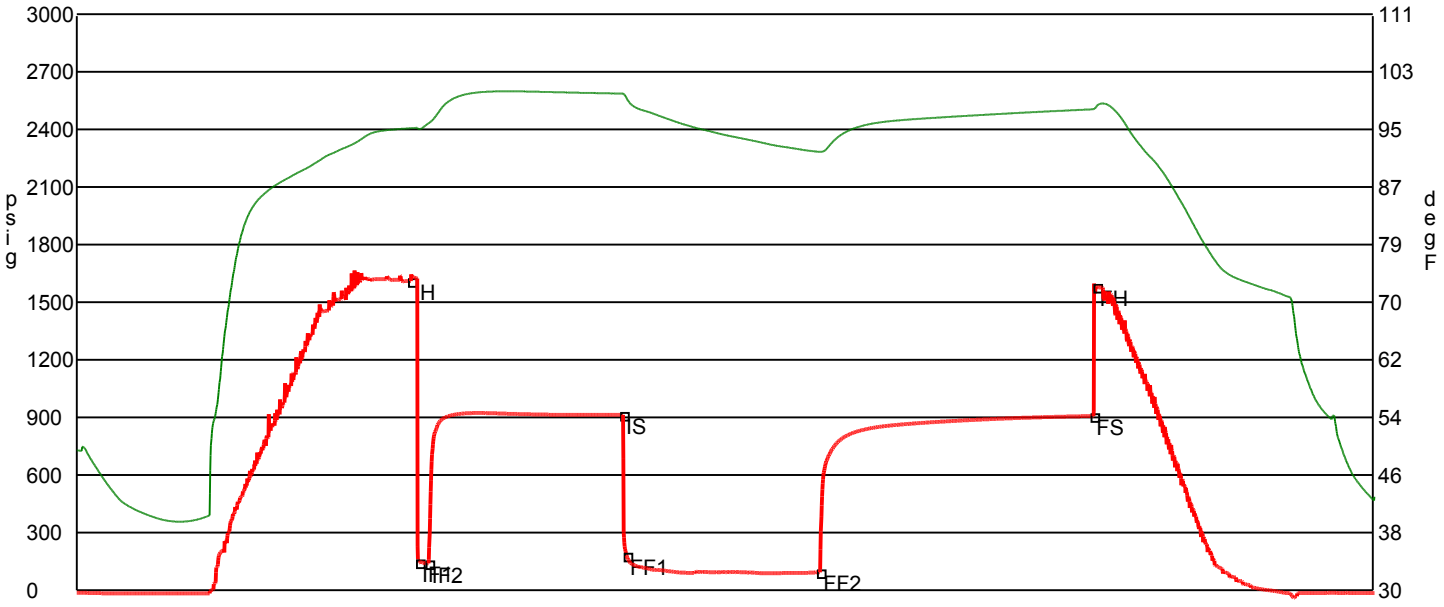
				Chokes	**3/4**	Hole Size	**7 7/8**
Test #	**1**	Test Date	**1/8/2012**	Top Recorder #	**13767**		
Tester	**Jimmy Johnny**			Mid Recorder #	**W1022**		
Test Type	**Conventional Bottom Hole Successful Test**			Bott Recorder #	**W1023**		
# of Packers	**2.0**	Packer Size	**6 3/4**	Mileage	**236**	Approved By	
				Standby Time	**0**		
Mud Type	**Gel Chem**			Extra Equipmnt	**Safty joint and Jars**		
Mud Weight	**9.0**	Viscosity	**44.0**	Time on Site	**8:00 AM**		
Filtrate	**8.0**	Chlorides	**2600**	Tool Picked Up	**9:30 AM**		
				Tool Layed Dwn	**7:00 PM**		
Drill Collar Len	**335.0**						
Wght Pipe Len	**0**			Elevation	**2797.00**	Kelley Bushings	**2810.00**
Formation	**Stotler**			Start Date/Time	**1/8/2012 9:17 AM**		
Interval Top	**3494.0**	Bottom	**3563.0**	End Date/Time	**1/8/2012 7:14 PM**		
Anchor Len Below	**69.0**	Between	**0**				
Total Depth	**3563.0**						

Blow Type **Strong blow throughout initial flow period, gas to suface in 4 minutes. Strong blow throughout final flow period. Times: 5, 90, 90, 127.**

RECOVERY

Feet	Description	Gas		Oil		Water		Mud	
290	Gassy mud	5%	14.5ft	0%	0ft	0%	0ft	95%	275.5ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	1/8/2012 11:50:00 AM	2.55	1611.479	94.986	Initial Hydro-static
IF1	1/8/2012 11:53:40 AM	2.611111	145.56	94.874	Initial Flow (1)
IF2	1/8/2012 11:58:10 AM	2.686111	140.592	95.676	Initial Flow (2)
IS	1/8/2012 1:27:50 PM	4.180556	913.781	99.854	Initial Shut-In
FF1	1/8/2012 1:29:30 PM	4.208333	180.616	99.224	Final Flow (1)
FF2	1/8/2012 2:58:40 PM	5.694444	94.154	91.659	Final Flow (2)
FS	1/8/2012 5:04:50 PM	7.797222	907.976	97.649	Final Shut-In
FH	1/8/2012 5:06:10 PM	7.819444	1580.112	98.012	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
0	10	245.00 mcf	9.00 psig	0.75 in
0	20	288.00 mcf	12.00 psig	0.75 in
0	30	288.00 mcf	12.00 psig	0.75 in
0	40	293.00 mcf	12.50 psig	0.75 in
0	50	303.00 mcf	13.00 psig	0.75 in
0	60	303.00 mcf	13.00 psig	0.75 in
0	70	303.00 mcf	13.00 psig	0.75 in
0	80	303.00 mcf	13.00 psig	0.75 in
0	90	303.00 mcf	13.00 psig	0.75 in

Company	**Falcon Exploration Inc.**	Lease Name	**Henry Koehn NE**		
Address	**125 N Market Ste 1252**	Lease #	**1-13**		
CSZ	**Wichita, KS 67202**	Legal Desc	**NE**	Job Ticket	**3458**
Attn.	**Dave Williams**	Section	**13**	Range	**30w**
		Township	**28s**		
		County	**Gray**	State	**KS**
		Drilling Cont	**Sterling Drilling # 5**		

Comments **Field: WC**

GENERAL INFORMATION

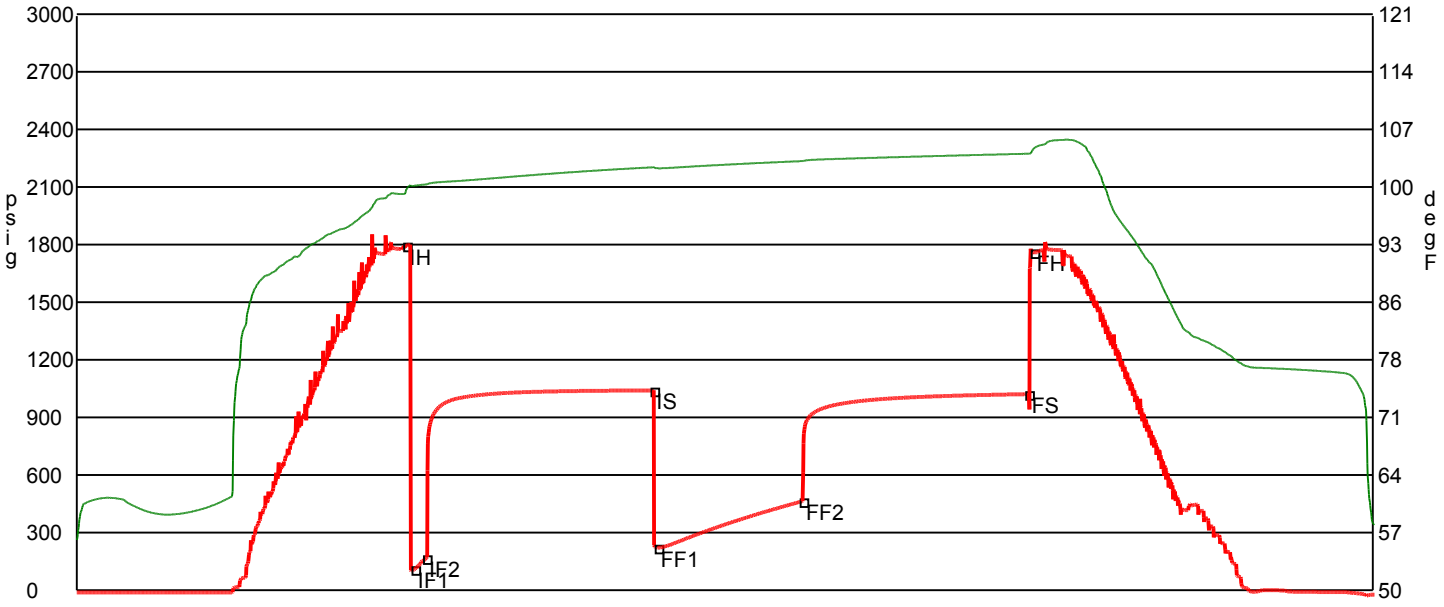
				Chokes	**3/4**	Hole Size	**7 7/8**
Test #	**2**	Test Date	**1/9/2012**	Top Recorder #	**13310**		
Tester	**Jimmy Johnny**			Mid Recorder #	**w1022**		
Test Type	**Conventional Bottom Hole Successful Test**			Bott Recorder #	**w1023**		
# of Packers	**2.0**	Packer Size	**6 3/4**	Mileage	**78**	Approved By	
				Standby Time	**0**		
Mud Type	**Gel Chem**			Extra Equipmnt	**Jars and Safty Joint**		
Mud Weight	**9.0**	Viscosity	**48.0**	Time on Site	**3:30 PM**		
Filtrate	**8.0**	Chlorides	**2600**	Tool Picked Up	**4:45 PM**		
				Tool Layed Dwn	**12:45 AM**		
Drill Collar Len	**335.0**						
Wght Pipe Len	**0**			Elevation	**2797.00**	Kelley Bushings	**2810.00**
Formation	**Howard**			Start Date/Time	**1/9/2012 4:27 AM**		
Interval Top	**3726.0**	Bottom	**3789.0**	End Date/Time	**1/9/2012 1:03 PM**		
Anchor Len Below	**63.0**	Between	**0**				
Total Depth	**3789.0**						

Blow Type **Weak blow building to strong blow 5 minutes into initial flow period. Weak blow building to strong blow 7 minutes into final flow period. Times: 6, 90, 60, 90**
.

RECOVERY

Feet	Description	Gas		Oil		Water		Mud	
180	Heavy mud cut water	0%	0ft	0%	0ft	67%	120.6ft	33%	59.4ft
440	Mud cut water	0%	0ft	0%	0ft	89%	391.6ft	11%	48.4ft
230	Salt water	0%	0ft	0%	0ft	100%	230ft	0%	0ft

DST Fluids **110000**



	Date	Time	Pressure	Temp	
IH	1/9/2012 6:37:10 AM	2.169444	1795.286	99.317	Initial Hydro-static
IF1	1/9/2012 6:40:30 AM	2.225	110.953	99.869	Initial Flow (1)
IF2	1/9/2012 6:45:00 AM	2.3	166.786	100.033	Initial Flow (2)
IS	1/9/2012 8:15:40 AM	3.811111	1041.61	102.144	Initial Shut-In
FF1	1/9/2012 8:17:20 AM	3.838889	222.973	102.027	Final Flow (1)
FF2	1/9/2012 9:15:10 AM	4.802778	464.312	102.913	Final Flow (2)
FS	1/9/2012 10:45:00 AM	6.3	1021.939	103.817	Final Shut-In
FH	1/9/2012 10:47:10 AM	6.336111	1760.141	104.432	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke

Company	**Falcon Exploration Inc.**	Lease Name	**Henry Koehn NE**
Address	**125 N Market Ste 1252**	Lease #	**1-13**
CSZ	**Wichita, KS 67202**	Legal Desc	**NE**
Attn.	**Dave Williams**	Section	**13**
		Township	**28s**
		County	**Gray**
		Drilling Cont	**Sterling Drilling # 5**

Job Ticket **3458**
Range **30w**
State **KS**

Comments **Field: WC**

GENERAL INFORMATION

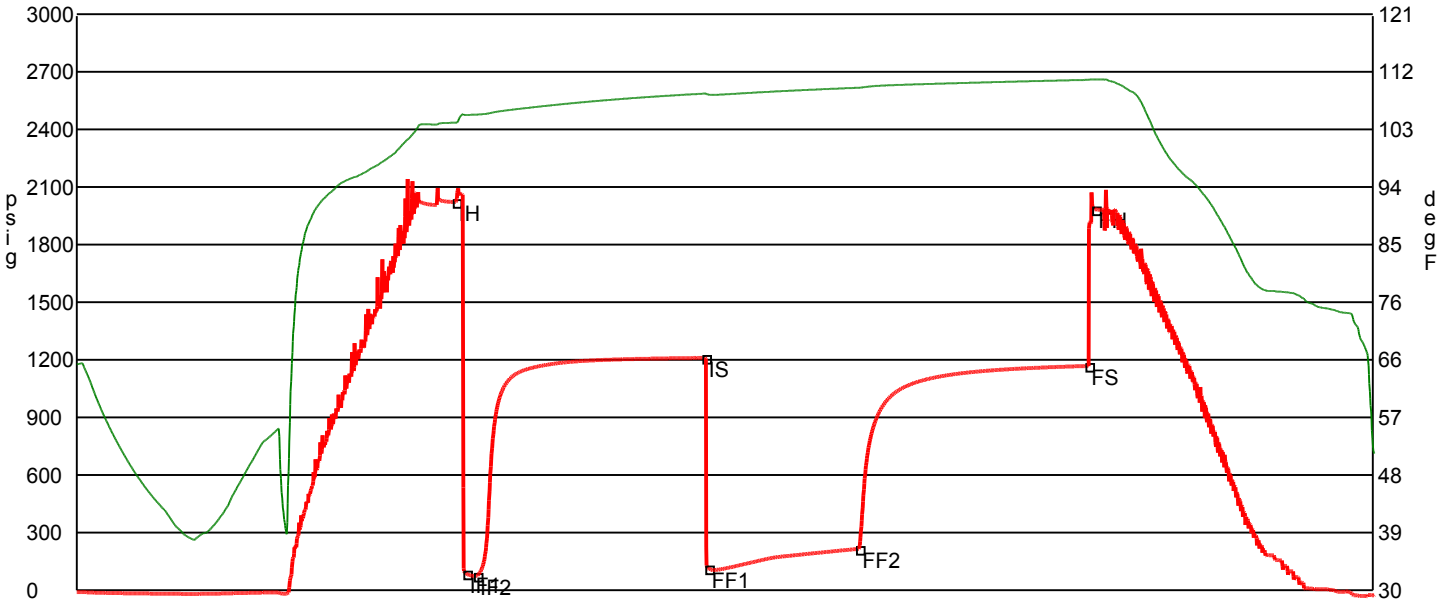
				Chokes	**3/4**	Hole Size	**7 7/8**
Test #	**3**	Test Date	**1/11/2012**	Top Recorder #	**13564**		
Tester	**Jimmy Johnny**			Mid Recorder #	**w1023**		
Test Type	**Conventional Bottom Hole Successful Test**			Bott Recorder #	**w1119**		
# of Packers	**2.0**	Packer Size	**6 3/4**	Mileage	**78**	Approved By	
				Standby Time	**0**		
Mud Type	**Gel Chem**			Extra Equipmnt	**Jars and Safty Joint**		
Mud Weight	**9.3**	Viscosity	**51.0**	Time on Site	**3:00 AM**		
Filtrate	**8.0**	Chlorides	**4400**	Tool Picked Up	**6:15 AM**		
				Tool Layed Dwn	**2:00 PM**		
Drill Collar Len	**335.0**						
Wght Pipe Len	**0**			Elevation	**2797.00**	Kelley Bushings	**2810.00**
Formation	**Lansing**			Start Date/Time	**1/11/2012 5:49 AM**		
Interval Top	**4220.0**	Bottom	**4260.0**	End Date/Time	**1/11/2012 2:18 PM**		
Anchor Len Below	**40.0**	Between	**0**				
Total Depth	**4260.0**						

Blow Type **Weak blow building to 11 inches initial flow period. Weak blow building to strong blow 10 minutes into final flow period. Times: 5, 90, 60, 90.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
350	Gas in pipe	100% 350ft	0% 0ft	0% 0ft	0% 0ft
20	Water cut mud	0% 0ft	0% 0ft	12% 2.4ft	88% 17.6ft
370	Mud cut water	0% 0ft	0% 0ft	93% 344.1ft	7% 25.9ft

DST Fluids **95000**



	Date	Time	Pressure	Temp	
IH	1/11/2012 8:16:50 AM	2.463889	2022.178	103.889	Initial Hydro-static
IF1	1/11/2012 8:21:00 AM	2.533333	86.797	105.106	Initial Flow (1)
IF2	1/11/2012 8:25:10 AM	2.602778	75.735	105.16	Initial Flow (2)
IS	1/11/2012 9:55:00 AM	4.1	1210.672	108.486	Initial Shut-In
FF1	1/11/2012 9:56:10 AM	4.119444	113.904	108.32	Final Flow (1)
FF2	1/11/2012 10:55:20 AM	5.105556	216.216	109.41	Final Flow (2)
FS	1/11/2012 12:25:30 PM	6.608333	1168.868	110.65	Final Shut-In
FH	1/11/2012 12:28:10 PM	6.652778	1984.471	110.721	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke

Company	**Falcon Exploration Inc.**	Lease Name	**Henry Koehn NE**		
Address	**125 N Market Ste 1252**	Lease #	**1-13**		
CSZ	**Wichita, KS 67202**	Legal Desc	**NW**	Job Ticket	**3458**
Attn.	**Keith Reevis**	Section	**13**	Range	**30w**
		Township	**28s**		
		County	**Gray**	State	**KS**
		Drilling Cont	**Sterling Rig # 5**		

Comments **Field : WC**

GENERAL INFORMATION

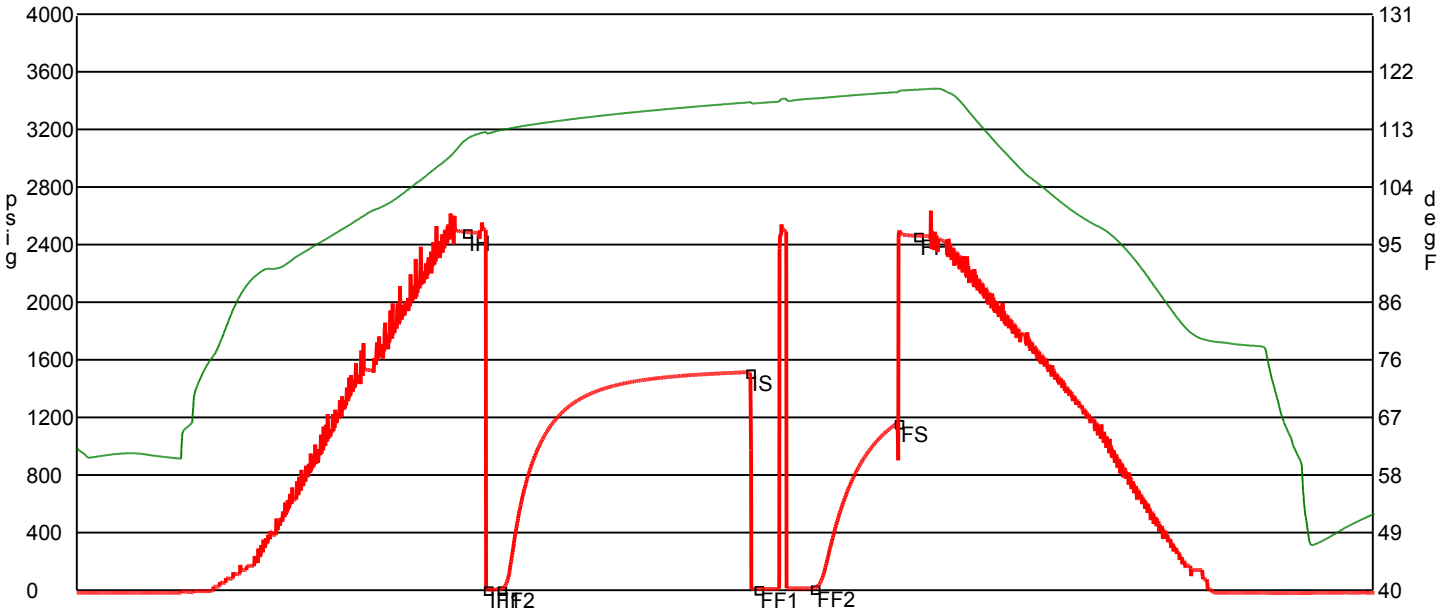
				Chokes	**3/4**	Hole Size	**7 7/8**
Test #	**4**	Test Date	**1/14/2012**	Top Recorder #	**13564**		
Tester	**Jimmy Johnny**			Mid Recorder #	**W1023**		
Test Type	**Conventional Bottom Hole Successful Test**			Bott Recorder #	**W1119**		
# of Packers	**2.0**	Packer Size	**6 3/4**	Mileage	**0**	Approved By	
				Standby Time	**20**		
Mud Type	**Gel Chem**			Extra Equipmnt	**Jars and Safety Joint**		
Mud Weight	**9.1**	Viscosity	**49.0**	Time on Site	**11:30 AM**		
Filtrate	**7.2**	Chlorides	**17000**	Tool Picked Up	**3:40 PM**		
				Tool Layed Dwn	**10:30 PM**		
Drill Collar Len	**335.0**						
Wght Pipe Len	**0**			Elevation	**2797.00**	Kelley Bushings	**2810.00**
Formation	**St. Louis**			Start Date/Time	**1/14/2012 3:19 PM**		
Interval Top	**5195.0**	Bottom	**5245.0**	End Date/Time	**1/14/2012 11:05 PM**		
Anchor Len Below	**50.0**	Between	**0**				
Total Depth	**5245.0**						

Blow Type **Weak blow throughout intial flow period. No blow final flow period flushed tool still no blow. Times 5, 90, 23, 30.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
10	Drilling Mud	0% 0ft	0% 0ft	0% 0ft	100%10ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	1/14/2012 5:38:00 PM	2.316667	2488.448	111.178	Initial Hydro-static
IF1	1/14/2012 5:45:30 PM	2.441667	7.594	112.198	Initial Flow (1)
IF2	1/14/2012 5:50:30 PM	2.525	7.077	112.699	Initial Flow (2)
IS	1/14/2012 7:20:00 PM	4.016667	1515.168	117.097	Initial Shut-In
FF1	1/14/2012 7:23:00 PM	4.066667	10	116.952	Final Flow (1)
FF2	1/14/2012 7:43:20 PM	4.405556	15.039	117.704	Final Flow (2)
FS	1/14/2012 8:13:30 PM	4.908333	1163.597	118.712	Final Shut-In
FH	1/14/2012 8:20:30 PM	5.025	2462.592	119.097	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke

OPERATOR

Company:	Falcon Exploration, Inc.		
Address:	125 N. Market Suite 1252 Wichita, KS 67202		
Contact Geologist:	Brian Fisher		
Contact Phone Nbr:	316-262-1378		
Well Name:	Henry Koehn #1-13		
Location:	Sec. 13 - T28S - R30W	API:	15-069-20357-0000
Pool:		Field:	Wildcat
State:	Kansas	Country:	USA

Scale 1:240 Imperial

Well Name:	Henry Koehn #1-13		
Surface Location:	Sec. 13 - T28S - R30W		
Bottom Location:			
API:	15-069-20357-0000		
License Number:	5316		
Spud Date:	1/2/2012	Time:	00:00
Region:	Gray County		
Drilling Completed:	1/15/2012	Time:	18:10
Surface Coordinates:	1320' FNL & 1320' FEL		
Bottom Hole Coordinates:			
Ground Elevation:	2797.00ft		
K.B. Elevation:	2810.00ft		
Logged Interval:	3789.00ft	To:	5440.00ft
Total Depth:	5440.00ft		
Formation:	Mississippian		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:		Latitude:	
N/S Co-ord:	1320' FNL		
E/W Co-ord:	1320' FEL		

LOGGED BY

Keith Reavis
Consulting Geologist

Company:	Keith Reavis, Inc.		
Address:	3420 22nd Street Great Bend, KS 67530		
Phone Nbr:	620-617-4091		
Logged By:	KLG #136	Name:	Keith Reavis

CONTRACTOR

Contractor:	Sterling Drilling Company		
Rig #:	5		
Rig Type:	mud rotary		
Spud Date:	1/2/2012	Time:	00:00
TD Date:	1/15/2012	Time:	18:10
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	2810.00ft	Ground Elevation:	2797.00ft
K.B. to Ground:	13.00ft		

NOTES

This well was logged from the Chase Group to the Topeka by Geologist Dave Williams. At that time (during DST #2) he was relieved and I assumed well-site duties. His report is under separate cover and is attached as a link at the beggining of this log.

A Tooke Daq gas detector provided by Sterling Drilling was employed and drill time and gas data were imported into this log.

Due to favorable results of DST #1, 5 1/2" production was set through the Tarkio to further test the Stotler Limestone.

Samples were saved and will be available for review at the Kansas Geological Society Well Sample Library located in Wichita, KS.

Respectfully submitted,
Keith Reavis

Falcon Exploration, Inc.

DAILY DRILLING REPORT

DATE	7:00 AM DEPTH	REMARKS
01/09/2012	3789	Geologist Keith Reavis on location @ 1600 hrs, 3789 ft. Relieve Geologist Dave Williams, conducting DST #2 – lower Howard
01/10/2012	3860	complete DST #2, drilling ahead, Topeka, Heebner, Douglas, Lansing
01/11/2012	4260	kick and show in Lansing A warrants DST, TOH for DST #3, conducting DST #3, complete DST #3, successful test, drill ahead, LKC
01/12/2012	4518	drilling ahead, LKC, BKC, Marmaton
01/13/2012	4908	drilling ahead, Marmaton, Pawnee, Cherokee
01/14/2012	5220	drilling ahead, Mississippian, show in St. Louis warrants DST, short trip, TOH and conduct DST #4, successful test, TIH w/bit
01/15/2012	5292	on bottom w/bit, ctch, resume drilling, TD @ 1810 hrs, 5440 ft, ctch and cfs, TOH for logs, conducting logging operations
01/16/2012	5440	complete logging operations, off location @ 0700

WELL COMPARISON SHEET

	DRILLING WELL Henry Koehn #1-13 1320' FNL & 1320' FEL Sec. 13 T28S R30W				COMPARISON WELL Falcon Dirks #1-12 2020' FSL & 770' FWL Sec. 12 T28S R30W				COMPARISON WELL Williams #1-13 1230' FSL & 730' FEL Sec. 13 T28S R30W			
	2810 KB				2806 KB		Structural Relationship		2810 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Chase	2670	140	2676	134	2654	152	-12	-18	2674	136	4	-2
Winfield	2748	62	2747	63	2729	77	-15	-14	2746	64	-2	-1
Towanda	2792	18	2792	18	2774	32	-14	-14	2790	20	-2	-2
Ft. Riley	2840	-30	2842	-32	2827	-21	-9	-11	2840	-30	0	-2
Cottonwood	3103	-293	3103	-293	3070	-264	-29	-29	3097	-287	-6	-6
Neva	3172	-362	3167	-357	3151	-345	-17	-12	3164	-354	-8	-3
Foraker	3268	-458	3276	-466	3260	-454	-4	-12	3273	-463	5	-3
Stotler	3520	-710	3518	-708	3495	-689	-21	-19	3513	-703	-7	-5
Tarkio	3596	-786	3594	-784	3568	-762	-24	-22	3586	-776	-10	-8
Bern	3690	-880	3690	-880	3663	-857	-23	-23	3683	-873	-7	-7
Topeka	3796	-986	3794	-984	3768	-962	-24	-22	3786	-976	-10	-8
Lecompton	3965	-1155	3963	-1153	3935	-1129	-26	-24	3968	-1158	3	5
Heebner	4148	-1338	4144	-1334	4119	-1313	-25	-21	4138	-1328	-10	-6
Lansing	4242	-1432	4238	-1428	4217	-1411	-21	-17	4233	-1423	-9	-5
Stark	4586	-1776	4583	-1773	4553	-1747	-29	-26	4576	-1766	-10	-7
Marmaton	4741	-1931	4746	-1936	4709	-1903	-28	-33	4737	-1927	-4	-9
Pawnee	4826	-2016	4824	-2014	4798	-1992	-24	-22	4820	-2010	-6	-4
Cherokee	4875	-2065	4871	-2061	4845	-2039	-26	-22	4868	-2058	-7	-3
Miss St. Gen.	5115	-2305	5111	-2301	5085	-2279	-26	-22	5094	-2284	-21	-17
St. Louis	5204	-2394	5201	-2391	5184	-2378	-16	-13	5183	-2373	-21	-18
Warsaw	np				np				5545	-2735		
Osage	np				np				5808	-2998		
Viola	np				np				6134	-3324		
Arbuckle	np				np				6279	-3469		
Total Depth	5440	-2630	5440	-2630	5406	-2600	-30	-30	6351	-3541	911	911

Drill Stem Test #2

RICKETTS TESTING (620) 326-5830 Page 1

Company	Falcon Exploration Inc.	Lease Name	Henry Koehn NE
Address	125 N Market Ste 1252	Lease #	1-13
CSZ	Wichita, KS 67202	Legal Desc	NE
Attn.	Dave Williams	Section	13
		Township	28s
		County	Gray
		Drilling Cont	Sterling Drilling # 5
Comments	Field: WC		

Job Ticket 3458 Range 30w State KS

GENERAL INFORMATION

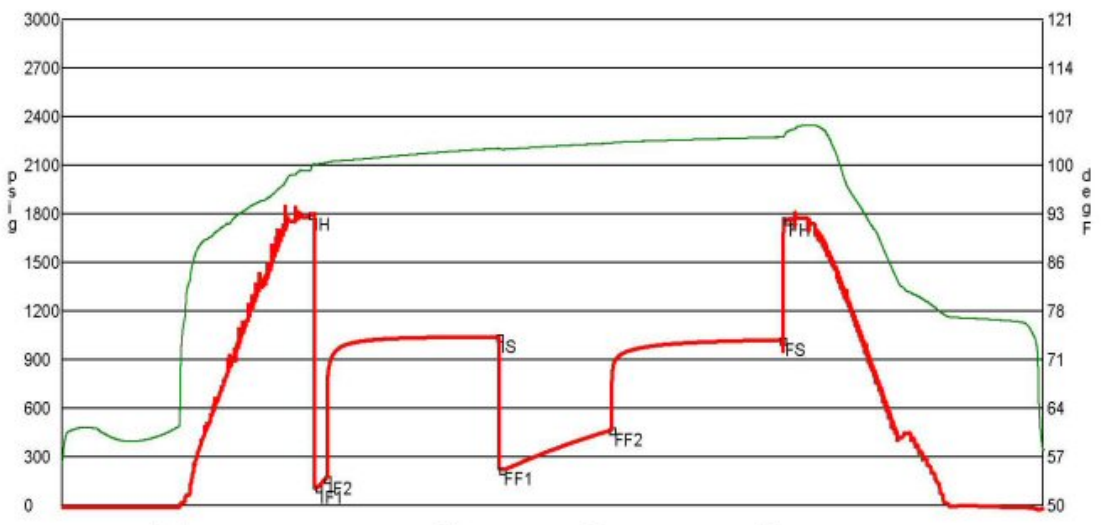
Test #	2	Test Date	1/9/2012
Tester	Jimmy Johnny		
Test Type	Conventional Bottom Hole Successful Test		
# of Packers	2.0	Packer Size	6 3/4
Mud Type	Gel Chem		
Mud Weight	9.0	Viscosity	48.0
Filtrate	8.0	Chlorides	2600
Drill Collar Len	335.0		
Wght Pipe Len	0		
Formation	Howard		
Interval Top	3726.0	Bottom	3789.0
Anchor Len Below	63.0	Between	0
Total Depth	3789.0		
Blow Type	Weak blow building to strong blow 5 minutes into initial flow period. Weak blow building to strong blow 7 minutes into final flow period. Times: 6, 90, 60, 90		

Chokes	3/4	Hole Size	7 7/8
Top Recorder #	13310		
Mid Recorder #	w1022		
Bott Recorder #	w1023		
Mileage	78	Approved By	
Standby Time	0		
Extra Equipmnt	Jars and Safty Joint		
Time on Site	3:30 PM		
Tool Picked Up	4:45 PM		
Tool Layed Dwn	12:45 AM		
Elevation	2797.00	Kelley Bushings	2810.00
Start Date/Time	1/9/2012 4:27 AM		
End Date/Time	1/9/2012 1:03 PM		

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
180	Heavy mud cut water	0% 0ft	0% 0ft	67% 120.6ft	33% 59.4ft
440	Mud cut water	0% 0ft	0% 0ft	89% 391.6ft	11% 48.4ft
230	Salt water	0% 0ft	0% 0ft	100%230ft	0% 0ft

DST Fluids 110000



	Date	Time	Pressure	Temp	
IH	1/9/2012 6:37:10 AM	2.169444	1795.286	99.317	Initial Hydro-static
IF1	1/9/2012 6:40:30 AM	2.225	110.953	99.869	Initial Flow (1)
IF2	1/9/2012 6:45:00 AM	2.3	166.786	100.033	Initial Flow (2)
IS	1/9/2012 8:15:40 AM	3.811111	1041.61	102.144	Initial Shut-In
FF1	1/9/2012 8:17:20 AM	3.838889	222.973	102.027	Final Flow (1)
FF2	1/9/2012 9:15:10 AM	4.802778	464.312	102.913	Final Flow (2)
FS	1/9/2012 10:45:00 AM	6.3	1021.939	103.817	Final Shut-In
FH	1/9/2012 10:47:10 AM	6.336111	1760.141	104.432	Final Hydro-static

Drill Stem Test #3

RICKETTS TESTING (620) 326-5830 Page 1

Company	**Falcon Exploration Inc.**	Lease Name	**Henry Koehn NE**		
Address	**125 N Market Ste 1252**	Lease #	**1-13**		
CSZ	**Wichita, KS 67202**	Legal Desc	**NE**	Job Ticket	**3458**
Attn.	**Dave Williams**	Section	**13**	Range	**30w**
		Township	**28s**		
		County	**Gray**	State	**KS**
Comments	**Field: WC**	Drilling Cont	**Sterling Drilling # 5**		

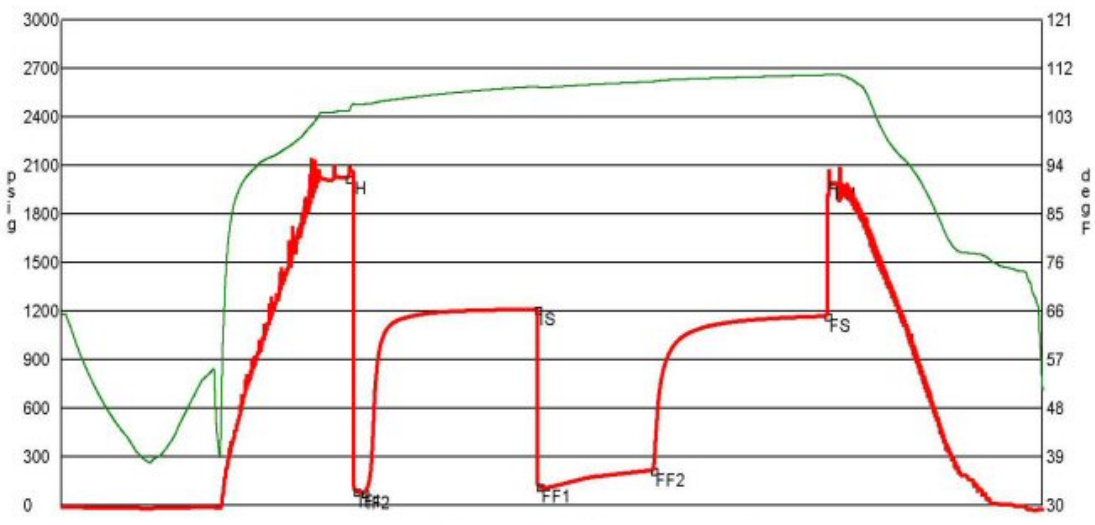
GENERAL INFORMATION

Test #	**3**	Test Date	**1/11/2012**	Chokes	**3/4**	Hole Size	**7 7/8**
Tester	**Jimmy Johnny**			Top Recorder #	**13564**		
Test Type	**Conventional Bottom Hole Successful Test**			Mid Recorder #	**w1023**		
				Bott Recorder #	**w1119**		
# of Packers	**2.0**	Packer Size	**6 3/4**	Mileage	**78**	Approved By	
				Standby Time	**0**		
Mud Type	**Gel Chem**			Extra Equipmnt	**Jars and Safty Joint**		
Mud Weight	**9.3**	Viscosity	**51.0**	Time on Site	**3:00 AM**		
Filtrate	**8.0**	Chlorides	**4400**	Tool Picked Up	**6:15 AM**		
				Tool Layed Dwn	**2:00 PM**		
Drill Collar Len	**335.0**						
Wght Pipe Len	**0**			Elevation	**2797.00**	Kelley Bushings	**2810.00**
Formation	**Lansing**			Start Date/Time	**1/11/2012 5:49 AM**		
Interval Top	**4220.0**	Bottom	**4260.0**	End Date/Time	**1/11/2012 2:18 PM**		
Anchor Len Below	**40.0**	Between	**0**				
Total Depth	**4260.0**						
Blow Type	**Weak blow building to 11 inches initial flow period. Weak blow building to strong blow 10 minutes into final flow period. Times: 5, 90, 60, 90.**						

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
350	Gas in pipe	100% 350ft	0% 0ft	0% 0ft	0% 0ft
20	Water cut mud	0% 0ft	0% 0ft	12% 2.4ft	88% 17.6ft
370	Mud cut water	0% 0ft	0% 0ft	93% 344.1ft	7% 25.9ft

DST Fluids **95000**



	Date	Time	Pressure	Temp	
IH	1/11/2012 8:16:50 AM	2.463889	2022.178	103.889	Initial Hydro-static
IF1	1/11/2012 8:21:00 AM	2.533333	86.797	105.106	Initial Flow (1)
IF2	1/11/2012 8:25:10 AM	2.602778	75.735	105.16	Initial Flow (2)
IS	1/11/2012 9:55:00 AM	4.1	1210.672	108.486	Initial Shut-In
FF1	1/11/2012 9:56:10 AM	4.119444	113.904	108.32	Final Flow (1)
FF2	1/11/2012 10:55:20 AM	5.105556	216.216	109.41	Final Flow (2)
FS	1/11/2012 12:25:30 PM	6.608333	1168.868	110.65	Final Shut-In
FH	1/11/2012 12:28:10 PM	6.652778	1984.471	110.721	Final Hydro-static

RICKETTS TESTING (620) 326-5830 Page 1

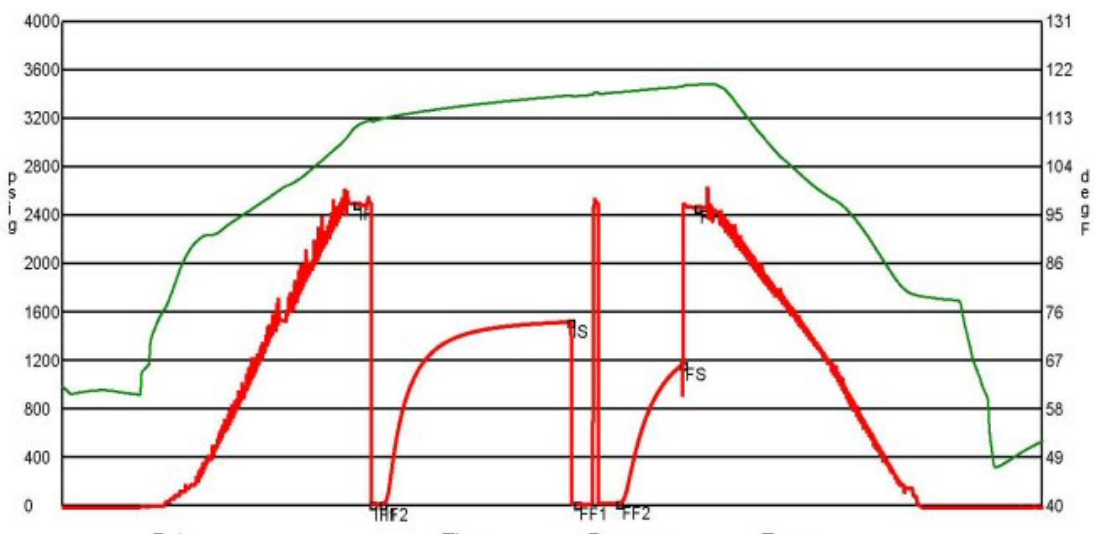
Company	**Falcon Exploration Inc.**	Lease Name	**Henry Koehn NE**		
Address	**125 N Market Ste 1252**	Lease #	**1-13**		
CSZ	**Wichita, KS 67202**	Legal Desc	**NW**	Job Ticket	**3458**
Attn.	**Keith Reevis**	Section	**13**	Range	**30w**
		Township	**28s**		
		County	**Gray**	State	**KS**
Comments	**Field : WC**	Drilling Cont	**Sterling Rig # 5**		

GENERAL INFORMATION

Test #	**4**	Test Date	**1/14/2012**	Chokes	**3/4**	Hole Size	**7 7/8**
Tester	**Jimmy Johnny**			Top Recorder #	**13564**		
Test Type	**Conventional Bottom Hole Successful Test**			Mid Recorder #	**W1023**		
				Bott Recorder #	**W1119**		
# of Packers	**2.0**	Packer Size	**6 3/4**	Mileage	**0**	Approved By	
				Standby Time	**20**		
Mud Type	**Gel Chem**			Extra Equipmnt	**Jars and Safety Joint**		
Mud Weight	**9.1**	Viscosity	**49.0**	Time on Site	**11:30 AM**		
Filtrate	**7.2**	Chlorides	**17000**	Tool Picked Up	**3:40 PM**		
				Tool Layed Dwn	**10:30 PM**		
Drill Collar Len	**335.0**						
Wght Pipe Len	**0**			Elevation	**2797.00**	Kelley Bushings	**2810.00**
Formation	**St. Louis**			Start Date/Time	**1/14/2012 3:19 PM**		
Interval Top	**5195.0**	Bottom	**5245.0**	End Date/Time	**1/14/2012 11:05 PM**		
Anchor Len Below	**50.0**	Between	**0**				
Total Depth	**5245.0**						
Blow Type	**Weak blow throughout intial flow period. No blow final flow period flushed tool still no blow. Times 5, 90, 23, 30.**						

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
10	Drilling Mud	0% 0ft	0% 0ft	0% 0ft	100% 10ft



	Date	Time	Pressure	Temp	
IH	1/14/2012 5:38:00 PM	2.316667	2488.448	111.178	Initial Hydro-static
IF1	1/14/2012 5:45:30 PM	2.441667	7.594	112.198	Initial Flow (1)
IF2	1/14/2012 5:50:30 PM	2.525	7.077	112.699	Initial Flow (2)
IS	1/14/2012 7:20:00 PM	4.016667	1515.168	117.097	Initial Shut-In
FF1	1/14/2012 7:23:00 PM	4.066667	10	116.952	Final Flow (1)
FF2	1/14/2012 7:43:20 PM	4.405556	15.039	117.704	Final Flow (2)
FS	1/14/2012 8:13:30 PM	4.908333	1163.597	118.712	Final Shut-In
FH	1/14/2012 8:20:30 PM	5.025	2462.592	119.097	Final Hydro-static

ROCK TYPES

	Congl		sdy lmst		shale, grn		shale, red
	Dolprim		Lmst fw<7		shale, gry		
	Dolsec		Lmst fw7>		Carbon Sh		

ACCESSORIES

MINERAL
- Argillaceous
- Chert, dark
- Dolomitic
- Mineral Crystals
- Pyrite
- Chert White
- Argillaceous/Shale

FOSSIL
- Bioclastic or Fragmental
- F Fossils < 20%
- Oolite
- Pellets
- Oomoldic

STRINGER
- Limestone
- Sandstone
- Siltstone
- Shale
- green shale
- red shale
- carb shale

TEXTURE
- C Chalky
- CX Cryptocrystalline
- L Lithogr

OTHER SYMBOLS

MISC
- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

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

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

3780
3800
3820
3840
3860
3880
3900
3920
3940
3960
3980
4000
4020
4040
4060
4080
4100
4120
4140
4160
4180
4200
4220
4240
4260
4280
4300
4320
4340
4360

Topeka 3796 -986

limestone, cream to gray and tan, microcrystalline, fossiliferous to bioclastic, grainy, chalky, appx 20-30% chalk, some scattered white chert, no shows

limestone, brown to tan, very fossiliferous, dense

limestone, light gray, bioclastic to micro-oolitic, poor visible porosity, appx 50% chalk, no shows

limestone, light gray to cream, microcrystalline, fossiliferous, with some gray mottled pelletal limestone, poor visible porosity, abundant chalk, some scattered chert, gray/white fossiliferous, no shows

Mud-Co Mud Ck
@ 3932'
0930 hrs
1/10/12
vis 43 wt. 9.3
pv 15 yp 10
wl 8.0 cake 1/32
pH 9.5
chl 4400
cal 40
sol 6.5 lcm 2#
dmc $0.00
cmc $15236.40

Lecompton 3965 -1155

limestone, mixed fossiliferous, abundant chalk, some white and gray/white fossiliferous cherts, no shows

limestone, gray, dense, microcrystalline, fossiliferous, no shows

limestone, gray to light gray and cream, microcrystalline, fossiliferous to bioclastic, some secondary calcite, poor visible porosity, appx 30-40% chalk

some dark gray shaley fossiliferous limestone to limey shale, fissile

limestone, gray to cream, microcrystalline, fossiliferous to bioclastic, grainy, chalky, appx 20-30% chalk, no shows

limestone, gray, dense, fossiliferous, cherts, dark gray, with limey gray to black shale

as above, some gray mottled fossiliferous limestone, some large clasts, chalky

Heebner 4148 -1338

black carbonaceous shale

limestone, dolomitic in part, white to cream, microcrystalline, fossiliferous, some secondary calcite and dolomite, abundant chalk in samples, gray fossiliferous cherts, fair fluoresence, no shows

shale, soft mixed gray and green, some micaceous

limestone, cream to gray, fossiliferous, dense, grainy to argillaceous, some pyritic, some chalk

DST #3, 4220-4260, 5-90-60-90, rec. 350' GIP, 20' WCM, 370' MCW, FP's 86-75# & 113-216#, SIP's 1210-1168#, HSH 2022-1984 #, BHT 110 deg F., Chl. 95,000 ppm

shale and limestone as above

Koehn DST#3.pdf

86 unit total kick, 53 unit total recycle

Lansing 4242 -1432

limestone, white to cream, microcrystalline, fossiliferous to bioclastic, some pinpoint porosity, questionable trace gas bubbles on break, faint fleeting odor, fair even green fluoresence, with: chert, light gray, sharp, fresh, fossilifeorus, abundant chalk

deviation survey
1/2 deg

limestone, cream to gray, fossiliferous, chalky, abundant gray fresh fossiliferous/spiculitic chert and some weathered chert, abundant chalk

Mud-Co Mud Ck
@ 4260'
0930 hrs 1/11/12
vis 50 wt. 9.3
pv 20 yp 14
wl 6.2 cake 1/32
pH 10.0
chl 3000
cal 40
sol 7.2 lcm 2#
dmc $1385.50
cmc $16621.90

limestone, gray to gray green, cryptocrystalline, lithographic to slightly fossiliferous, some chalk, no shows

limestone as above with limestone, tan to cream, pelletal to grainy fossiliferous, chalky

4330 sample, chalk, appx 60-70%, with mixed gray fossiliferous limestones

grading to limestone, gray to cream, microcrystalline, fossiliferous, grainy, chalky, marked decrease in chalk (appx 20%) some gray green lithographic limestone, no shows

limestone, gray to cream, microcrystalline, fossilifeorus, chalky, grainy, abundant light to dark gray cherts, some chalky and grainy limey fossiliferous shale

limestone, mixed gray, micro-cryptocrystalline, fossiliferous, some secondary calcite, poor visible porosity, abundant chalk, no shows

DST #3

scale change

0 ROP (mir 10
0 Gamma (150
6 Cal (in 16

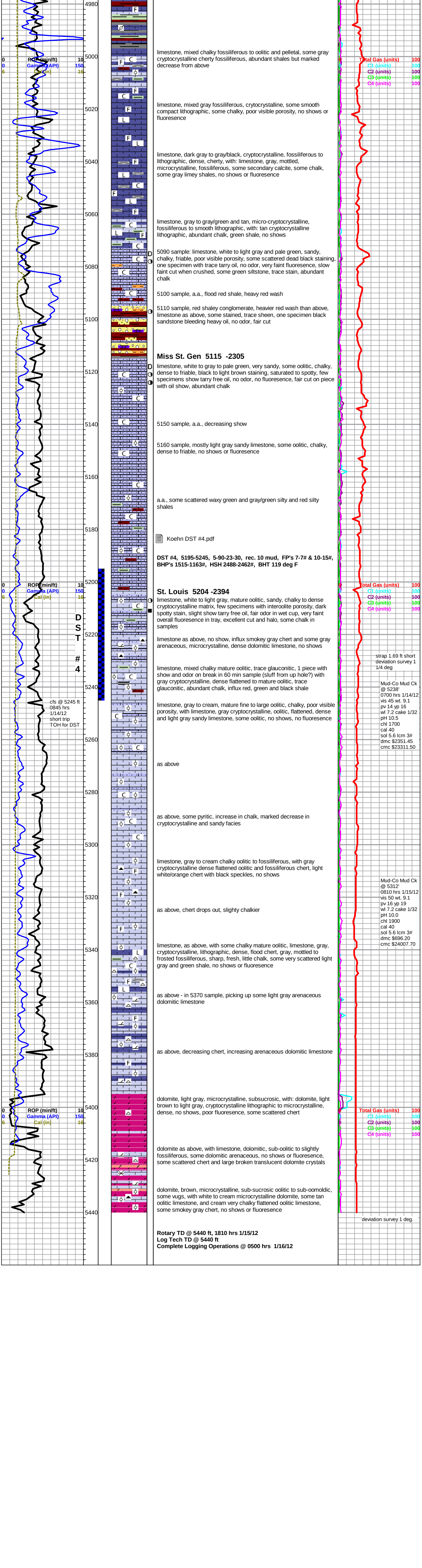
cfs @
4260 ft
0015 hrs
1/11/12

B

C

F

0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16
4380
4400
4420
4440
4460
4480
4500
4520
4540
4560
4580
4600
4620
4640
4660
4680
4700
4720
4740
4760
4780
4800
4820
4840
4860
4880
4900
4920
4940
4960
0 Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100
limestone, light gray to tan, oomoldic and oolitic, good oomold porosity, no shows, even faint fluoresence, abundant chalk
limestone, light gray, cryptocrystalline, fossiliferous to lithographic, some oolitic, some chalk, scattered brown cryptocrystalline limestone, fossiliferous, pyritic, no shows
limestone, tan to gray to light brown, oolmoldic to oolitic, fairly dense cryptocrystalline matrix, good porosity, no shows or odor, some scattered fair fluoresence
limestone, mixed gray non-descript fossiliferous, abundant chalk, no shows
as above
limestone, mixed cryptocrystalline fossiliferous, chalky, with gray to cream oolitic and oomoldic limestone, somce fair porosity, no shows, abundant chalk in samples, some pelletal to fossiliferous limestone, weathered to near chalk, scattered fossiliferous chert, some weathered
limestone, light gray, cryptocrystalline, lithographic, abundant chalk
limestone as above with limestone, gray, cryptocrystalline, fossiliferous to lithographic, dense, poor visible porosity, no shows, marked decrease in chalk
as above, some scattered cherts
Mud-Co Mud Ck
@ 4481'
0945 hrs 1/12/12
vis 46 wt. 9.3
pv 18 yp 18
wl 8.0 cake 1/32
pH 9.5
chl 3600
cal 40
sol 7.0 lcm 2#
dmc $1782.25
cmc $18404.15
Stark 4586 -1776
shale, black carbonaceous
limestone, light gray, vuggy microcrystalline, fossiliferous to sub-oomoldic, no shows
limestone, mixed non-descript fossiliferous and lithographic, some chalk, scattered chert
HUSHPUCKNEY
shale, black carbonaceous and soft dark gray, samples wash dark gray
limestone, white to cream, fine oomoldic/oolitic, some fair porosity, no shows, spotty faint fluoresence
limestone, gray to cream, fossiliferous with large clasts, gray/green argillaceous limestone, dark gray to black dense cherty limestone, abundant gray to green argillaceous and black carbonaceous shales, abundant black obsidian like chert
limestone, gray to cream, chalky, fossiliferous to oolitic and bioclastic, poor visible porosity, abundant chalk in samples, no shows
limestone, gray to dark gray, cryptocrystalline, arenaceous, very dense, some fossiliferous, some brown to tan mottled fossiliferous, large clasts, trace chert
shale, dark gray to black, argillaceous to limey, dense, some carbonaceous shale, limestone stringers as above, some light gray soft siltstone
Marmaton 4741 -1931
limestone, cream to white, compact, dense, lithographic, some pelletal to oolitic to fossiliferous, chalky, some chalk in samples, light scattered green fluoresence, no shows
limestone, mixed fossiliferous to pelletal, fairly dense, with limestone, light gray argillaceous/arenaceous, cryptocrystalline, no shows
limestone as above, with influx chalk and some limestone weathered to near chalk, some limestone with large clasts
a.a. with influx cream cryptocrystalline limestone, dense lithographic
shale gas
Pawnee 4826 -2016
limestone, light gray to cream, cryptocrystalline, bioclastic to lithographic, some weathered chalky, poor visible porosity, with: light gray dense cryptocrystalline lithographic, no shows or fluoresence
4860 sample, flood gray and green brittle argillaceous shales, some pyritic, some pyrite nodules, some dark gray pyritic limestone
shale, black carbonaceous
shale gas
limestone, light brown to gray, microcrystalline, fossiliferous, dense
Cherokee 4875 -2065
shale, black carbonaceous
limestone, light gray to cream, microcrystalline, fossiliferous to oolitic, dense compact to grainy and chalky, moderate chalk, no shows, some scattered light fluoresence
limestone, dark gray, microcrystalline, lithographic, cherty, with flood gray and black carbonaceous shale
grades to limestone, brown oolitic to pelletal, grainy, pyritic in part with: gray chalky fossiliferous and some brown fossiliferous chert, abundant shale
4940 sample, mixed fossiliferous limestone, with flood shale, gray and black argillaceous with black carbonaceous, heavy gray wash
limestone, cream to gray, chalky, fossiliferous to pelletal, some arenaceous and dolomitic, some chalk in samples
shale, gray, green and maroon, argillaceous to silty, some pyritic, with limestone, gray to cream, chalky, fossiliferous to pelletal, some arenaceous, some dark gray, cherty
as above, increasing limestone
Mud-Co Mud Ck
@ 4929'
0730 hrs 1/13/12
vis 49 wt. 9.1
pv 16 yp 19
wl 7.2 cake 1/32
pH 10.0
chl 2200
cal 40
sol 5.6 lcm 2#
dmc $2555.90
cmc $20960.05



limestone, mixed chalky fossiliferous to oolitic and pelletal, some gray cryptocrystalline cherty fossiliferous, abundant shales but marked decrease from above

limestone, mixed gray fossiliferous, crytocrystalline, some smooth compact lithographic, some chalky, poor visible porosity, no shows or fluoresence

limestone, dark gray to gray/black, cryptocrystalline, fossiliferous to lithographic, dense, cherty, with: limestone, gray, mottled, microcrystalline, fossiliferous, some secondary calcite, some chalk, some gray limey shales, no shows or fluoresence

limestone, gray to gray/green and tan, micro-cryptocrystalline, fossiliferous to smooth lithographic, with: tan cryptocrystalline lithographic, abundant chalk, green shale, no shows

5090 sample: limestone, white to light gray and pale green, sandy, chalky, friable, poor visible porosity, some scattered dead black staining, one specimen with trace tarry oil, no odor, very faint fluoresence, slow faint cut when crushed, some green siltstone, trace stain, abundant chalk

5100 sample, a.a., flood red shale, heavy red wash

5110 sample, red shaley conglomerate, heavier red wash than above, limestone as above, some stained, trace sheen, one specimen black sandstone bleeding heavy oil, no odor, fair cut

Miss St. Gen 5115 -2305

limestone, white to gray to pale green, very sandy, some oolitic, chalky, dense to friable, black to light brown staining, saturated to spotty, few specimens show tarry free oil, no odor, no fluoresence, fair cut on piece with oil show, abundant chalk

5150 sample, a.a., decreasing show

5160 sample, mostly light gray sandy limestone, some oolitic, chalky, dense to friable, no shows or fluoresence

a.a., some scattered waxy green and gray/green silty and red silty shales

Koehn DST #4.pdf

DST #4, 5195-5245, 5-90-23-30, rec. 10 mud, FP's 7-7# & 10-15#, BHP's 1515-1163#, HSH 2488-2462#, BHT 119 deg F

St. Louis 5204 -2394

limestone, white to light gray, mature oolitic, sandy, chalky to dense cryptocrystalline matrix, few specimens with interoolite porosity, dark spotty stain, slight show tarry free oil, fair odor in wet cup, very faint overall fluoresence in tray, excellent cut and halo, some chalk in samples

limestone as above, no show, influx smokey gray chert and some gray arenaceous, microcrystalline, dense dolomitic limestone, no shows

limestone, mixed chalky mature oolitic, trace glauconitic, 1 piece with show and odor on break in 60 min sample (sluff from up hole?) with gray cryptocrystalline, dense flattened to mature oolitic, trace glauconitic, abundant chalk, influx red, green and black shale

limestone, gray to cream, mature fine to large oolitic, chalky, poor visible porosity, with limestone, gray cryptocrystalline, oolitic, flattened, dense and light gray sandy limestone, some oolitic, no shows, no fluoresence

as above

as above, some pyritic, increase in chalk, marked decrease in cryptocrystalline and sandy facies

limestone, gray to cream chalky oolitic to fossiliferous, with gray cryptocrystalline dense flattened oolitic and fossiliferous chert, light white/orange chert with black speckles, no shows

as above, chert drops out, slighty chalkier

limestone, as above, with some chalky mature oolitic, limestone, gray, cryptocrystalline, lithographic, dense, flood chert, gray, mottled to frosted fossiliferous, sharp, fresh, little chalk, some very scattered light gray and green shale, no shows or fluoresence

as above - in 5370 sample, picking up some light gray arenaceous dolomitic limestone

as above, decreasing chert, increasing arenaceous dolomitic limestone

dolomite, light gray, microcrystalline, subsucrosic, with: dolomite, light brown to light gray, cryptocrystalline lithographic to microcrystalline, dense, no shows, poor fluoresence, some scattered chert

dolomite as above, with limestone, dolomitic, sub-oolitic to slightly fossiliferous, some dolomitic arenaceous, no shows or fluoresence, some scattered chert and large broken translucent dolomite crystals

dolomite, brown, microcrystalline, sub-sucrosic oolitic to sub-oomoldic, some vugs, with white to cream microcrystalline dolomite, some tan oolitic limestone, and cream very chalky flattened oolitic limestone, some smokey gray chert, no shows or fluoresence

Rotary TD @ 5440 ft, 1810 hrs 1/15/12
Log Tech TD @ 5440 ft
Complete Logging Operations @ 0500 hrs 1/16/12

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

Well Name:	**HENRY KOEHN #1-13 (NE)**		
Location:	**SEC. 13 - 28 S. - 30 W.**		
License Number:	**15-069-20,357-00-00**	**Region:**	**Gray Co., Kansas**
Spud Date:	**01/02/12**	**Drilling Completed:**	
Surface Coordinates:	**1320' FNL & 1320' FEL (Center NE 1/4)**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**2797'**	**K.B. Elevation (ft):**	**2810'**
Logged Interval (ft):	**To:**	**Total Depth (ft):**	
Formation:			
Type of Drilling Fluid:	**Chemical Muc**		

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: FALCON EXPLORATION, INC.
Address: 125 N. Market, Ste. 1252
Wichita, Kansas 67202

GEOLOGIST

Name: David P. Williams & Keith Revis
Company: DW Energy. LLC
Address: 312 N. Broadview Street
Wichita, Kansas 67208

Casing & Deviation Survey's

Ran 46 jts of new 24#, 8 5/8 casing. Tallied 1856.22'. Set at 1870.52' KB. Welded straps on GS & bottom 3 joints.
Centralizes (3) set at 1, 20, 35. Baskets (3) set at 1, 24, 41. Cemented with 600 sks 65/35 Poz; 6% Gel; CC, 1/4 # FS. Tailed with 150 Sks Class A; 2% Gel; 3% CC. Cement did circulate to pit. Plug down at 12:30 pm on 1/5/12. Allied Cementing ticket #53353. Cement did fall down below GL. Brought in Pea gravel to fill casing annulus.

Deviation Surveys: @ 1875' = 1 1/2 degree; @ 3563' = 2 1/2 degree;

DSTs

DST # 1 3494'-3563" Times: 5"-90"- 90-127"; Blow: IF Strong Blow-BOB/ 1". GTS/4" TSTM; FF Strong Blow GTS.
(See Gauge Report Below). Recovery: 290' GCM.
Pressures: IH 1611#; FH 1580#; IF 146-141#; FF 181-94#;
ISIP 914#; FSIP 908#; Temp = 99.8 Degrees F.

DST # 1: Gas Flow: IF TSTM; FF @ 10" = 245 Mcf; @ 20"= 288 Mcf; @ 30: = 288 Mcf; @ 40" = 293 Mcf; @ 50" = 303 Mcf; @ 60"=303 Mcf; @ 70"=303 Mcf; @ 80"=303 Mcf; @ 90"=303 Mcf.

Comments

ROCK TYPES

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol
- Gyp
- Igne
- Lmst
- Meta
- Mrlst
- Salt
- Shale
- Shcol
- Shgy
- Sltst
- Ss
- Till
- Gry shale
- Grn shale
- Carb sh
- Red shale

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

FOSSIL

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

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

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

OTHER SYMBOLS

POROSITY

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

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOW

- Gas show symbol_1

- Even
- Spotted
- Ques
- Dead

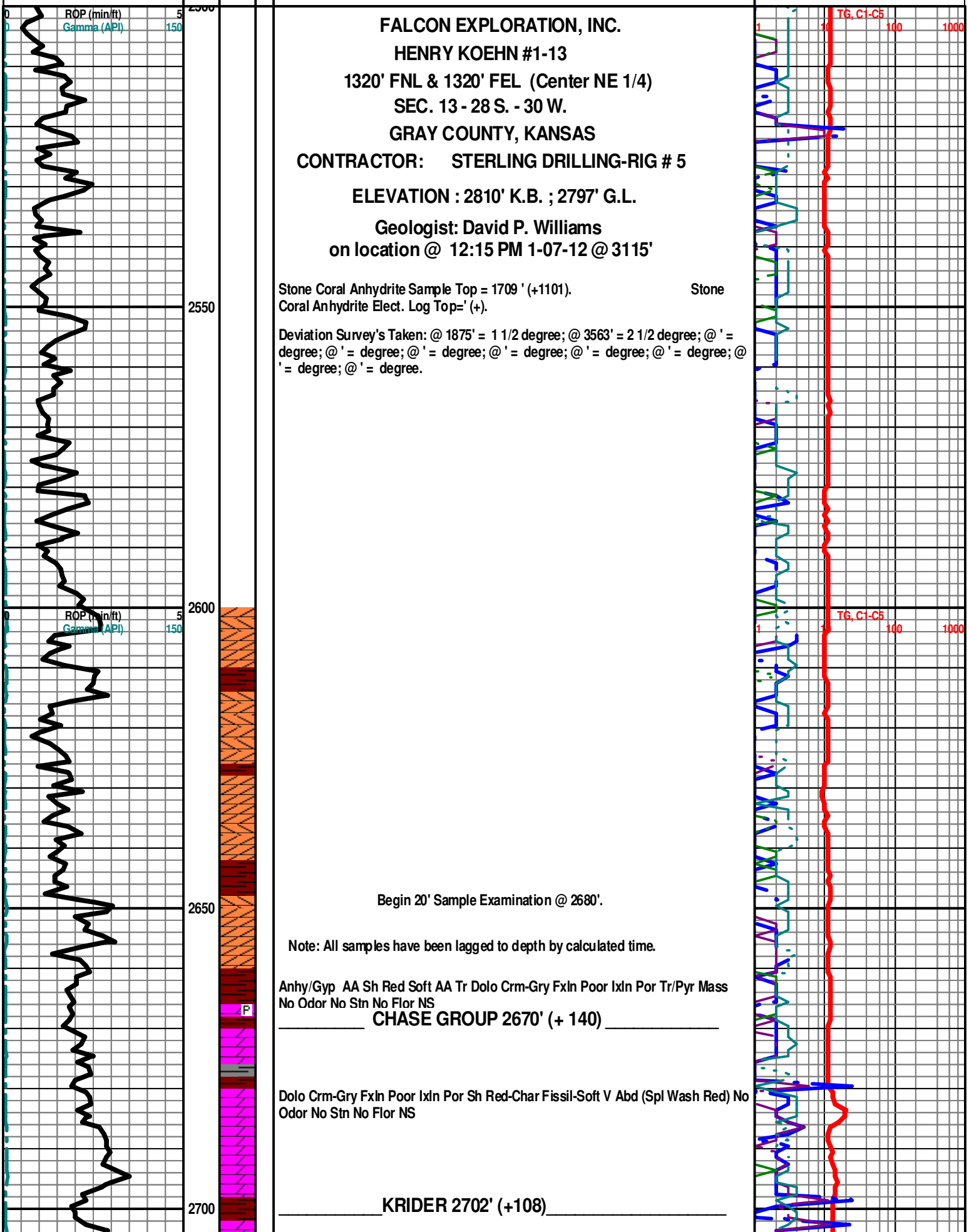
INTERVAL

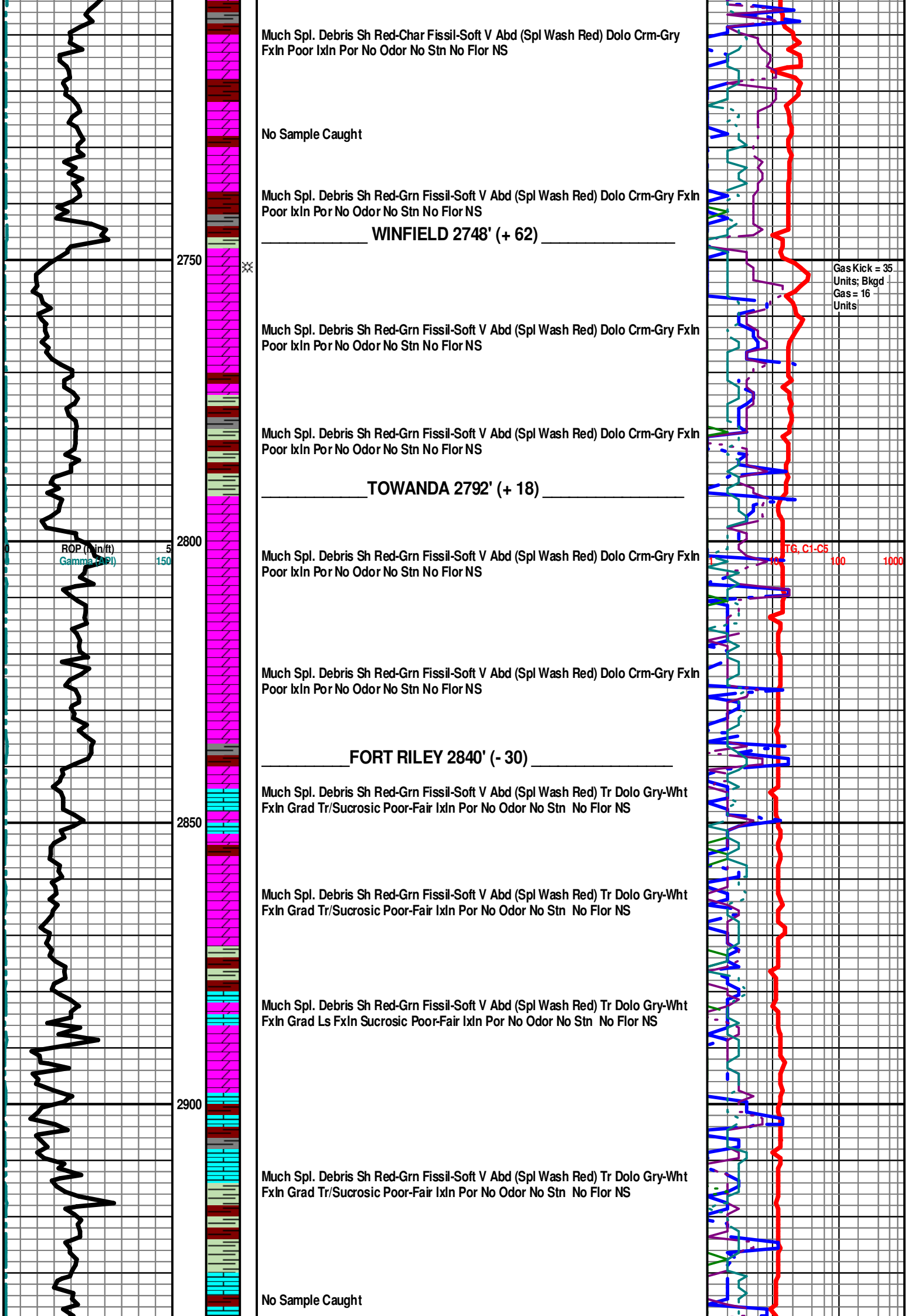
- Dst_alt
- Dst

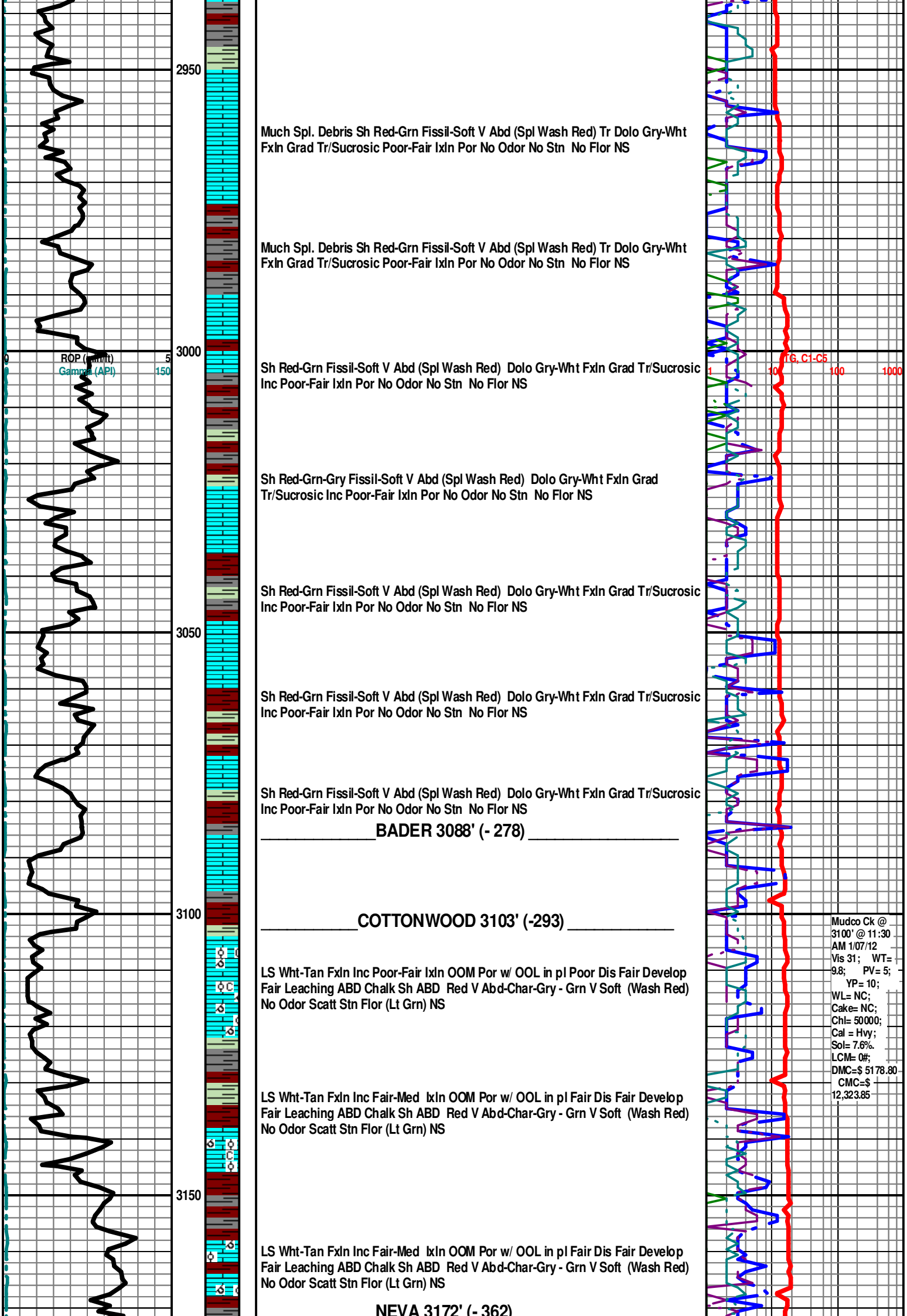
- Core
- Dst

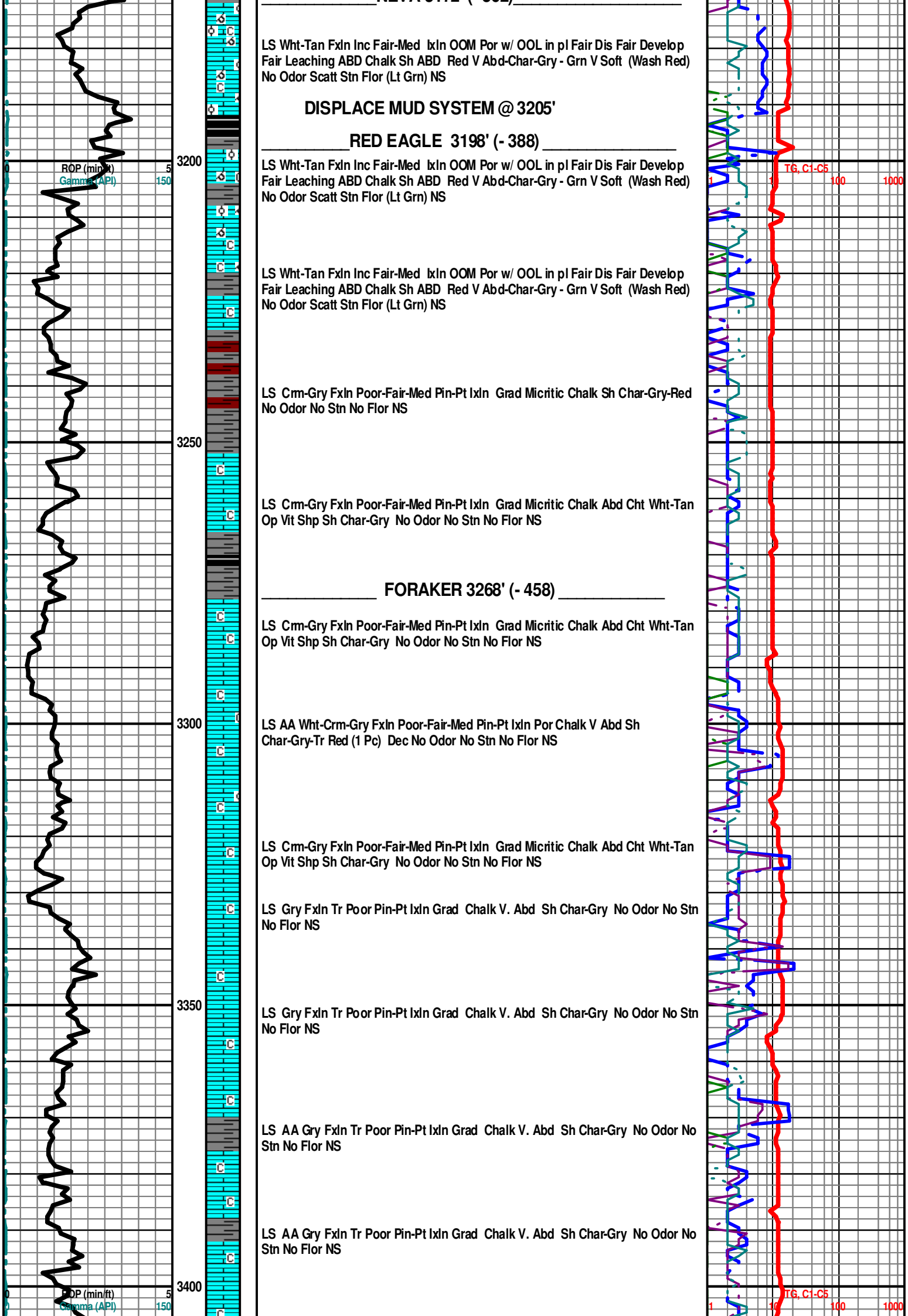
EVENT

- Rft
- Sidewall


Curve Track 1
ROP (min/ft)
Gamma (API)
Depth
tholo
Oil Shows
Geological Descriptions
TG, C1-C5
TG (Units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
C5 (units)
ROP (min/ft)
Gamma (API)
TG, C1-C5
2550
2600
2650
2700
FALCON EXPLORATION, INC.
HENRY KOEHN #1-13
1320' FNL & 1320' FEL (Center NE 1/4)
SEC. 13 - 28 S. - 30 W.
GRAY COUNTY, KANSAS
CONTRACTOR: STERLING DRILLING-RIG # 5
ELEVATION : 2810' K.B. ; 2797' G.L.
Geologist: David P. Williams
on location @ 12:15 PM 1-07-12 @ 3115'
Stone Coral Anhydrite Sample Top = 1709 ' (+1101). Stone Coral Anhydrite Elect. Log Top=' (+).
Deviation Survey's Taken: @ 1875' = 1 1/2 degree; @ 3563' = 2 1/2 degree; @ ' = degree; @ ' = degree; @ ' = degree; @ ' = degree; @ ' = degree; @ ' = degree; @ ' = degree.
Begin 20' Sample Examination @ 2680'.
Note: All samples have been lagged to depth by calculated time.
Anhy/Gyp AA Sh Red Soft AA Tr Dolo Crm-Gry Fxln Poor Ixln Por Tr/Pyr Mass No Odor No Stn No Flor NS
CHASE GROUP 2670' (+ 140)
Dolo Crm-Gry Fxln Poor Ixln Por Sh Red-Char Fissil-Soft V Abd (Spl Wash Red) No Odor No Stn No Flor NS
KRIDER 2702' (+108)


Much Spl. Debris Sh Red-Char Fissil-Soft V Abd (Spl Wash Red) Dolo Crm-Gry Fxln Poor Ixln Por No Odor No Stn No Flor NS
No Sample Caught
Much Spl. Debris Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Dolo Crm-Gry Fxln Poor Ixln Por No Odor No Stn No Flor NS
WINFIELD 2748' (+ 62)
2750
Gas Kick = 35 Units; Bkgd Gas = 16 Units
Much Spl. Debris Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Dolo Crm-Gry Fxln Poor Ixln Por No Odor No Stn No Flor NS
Much Spl. Debris Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Dolo Crm-Gry Fxln Poor Ixln Por No Odor No Stn No Flor NS
TOWANDA 2792' (+ 18)
2800
0
ROP (Min/ft)
5
Gamma (API)
150
TG, C1-C5
1
10
100
1000
Much Spl. Debris Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Dolo Crm-Gry Fxln Poor Ixln Por No Odor No Stn No Flor NS
Much Spl. Debris Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Dolo Crm-Gry Fxln Poor Ixln Por No Odor No Stn No Flor NS
FORT RILEY 2840' (- 30)
Much Spl. Debris Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Tr Dolo Gry-Wht Fxln Grad Tr/Sucrosic Poor-Fair Ixln Por No Odor No Stn No Flor NS
2850
Much Spl. Debris Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Tr Dolo Gry-Wht Fxln Grad Tr/Sucrosic Poor-Fair Ixln Por No Odor No Stn No Flor NS
Much Spl. Debris Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Tr Dolo Gry-Wht Fxln Grad Ls Fxln Sucrosic Poor-Fair Ixln Por No Odor No Stn No Flor NS
2900
Much Spl. Debris Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Tr Dolo Gry-Wht Fxln Grad Tr/Sucrosic Poor-Fair Ixln Por No Odor No Stn No Flor NS
No Sample Caught


2950
3000
3050
3100
3150
ROP (min/ft)
Gamma (API)
150
TG, C1-C5
1
10
100
1000
Much Spl. Debris Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Tr Dolo Gry-Wht Fxln Grad Tr/Sucrosic Poor-Fair Ixln Por No Odor No Stn No Flor NS
Much Spl. Debris Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Tr Dolo Gry-Wht Fxln Grad Tr/Sucrosic Poor-Fair Ixln Por No Odor No Stn No Flor NS
Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Dolo Gry-Wht Fxln Grad Tr/Sucrosic Inc Poor-Fair Ixln Por No Odor No Stn No Flor NS
Sh Red-Grn-Gry Fissil-Soft V Abd (Spl Wash Red) Dolo Gry-Wht Fxln Grad Tr/Sucrosic Inc Poor-Fair Ixln Por No Odor No Stn No Flor NS
Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Dolo Gry-Wht Fxln Grad Tr/Sucrosic Inc Poor-Fair Ixln Por No Odor No Stn No Flor NS
Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Dolo Gry-Wht Fxln Grad Tr/Sucrosic Inc Poor-Fair Ixln Por No Odor No Stn No Flor NS
Sh Red-Grn Fissil-Soft V Abd (Spl Wash Red) Dolo Gry-Wht Fxln Grad Tr/Sucrosic Inc Poor-Fair Ixln Por No Odor No Stn No Flor NS
BADER 3088' (- 278)
COTTONWOOD 3103' (-293)
LS Wht-Tan Fxln Inc Poor-Fair Ixln OOM Por w/ OOL in pl Poor Dis Fair Develop Fair Leaching ABD Chalk Sh ABD Red V Abd-Char-Gry - Grn V Soft (Wash Red) No Odor Scatt Stn Flor (Lt Grn) NS
LS Wht-Tan Fxln Inc Fair-Med Ixln OOM Por w/ OOL in pl Fair Dis Fair Develop Fair Leaching ABD Chalk Sh ABD Red V Abd-Char-Gry - Grn V Soft (Wash Red) No Odor Scatt Stn Flor (Lt Grn) NS
LS Wht-Tan Fxln Inc Fair-Med Ixln OOM Por w/ OOL in pl Fair Dis Fair Develop Fair Leaching ABD Chalk Sh ABD Red V Abd-Char-Gry - Grn V Soft (Wash Red) No Odor Scatt Stn Flor (Lt Grn) NS
NEVA 3172' (- 362)
Mudco Ck @ 3100' @ 11:30 AM 1/07/12
Vis 31; WT= 9.8; PV= 5; YP= 10;
WL= NC;
Cake= NC;
Chl= 50000;
Cal = Hvy;
Sol= 7.6%.
LCM= 0#;
DMC=$ 5178.80
CMC=$ 12,323.85



LS Wht-Tan Fxln Inc Fair-Med Ixln OOM Por w/ OOL in pl Fair Dis Fair Develop Fair Leaching ABD Chalk Sh ABD Red V Abd-Char-Gry - Grn V Soft (Wash Red) No Odor Scatt Stn Flor (Lt Grn) NS

DISPLACE MUD SYSTEM @ 3205'

_____RED EAGLE 3198' (- 388) _____

LS Wht-Tan Fxln Inc Fair-Med Ixln OOM Por w/ OOL in pl Fair Dis Fair Develop Fair Leaching ABD Chalk Sh ABD Red V Abd-Char-Gry - Grn V Soft (Wash Red) No Odor Scatt Stn Flor (Lt Grn) NS

LS Wht-Tan Fxln Inc Fair-Med Ixln OOM Por w/ OOL in pl Fair Dis Fair Develop Fair Leaching ABD Chalk Sh ABD Red V Abd-Char-Gry - Grn V Soft (Wash Red) No Odor Scatt Stn Flor (Lt Grn) NS

LS Crm-Gry Fxln Poor-Fair-Med Pin-Pt Ixln Grad Micritic Chalk Sh Char-Gry-Red No Odor No Stn No Flor NS

LS Crm-Gry Fxln Poor-Fair-Med Pin-Pt Ixln Grad Micritic Chalk Abd Cht Wht-Tan Op Vit Shp Sh Char-Gry No Odor No Stn No Flor NS

_____ FORAKER 3268' (- 458) _____

LS Crm-Gry Fxln Poor-Fair-Med Pin-Pt Ixln Grad Micritic Chalk Abd Cht Wht-Tan Op Vit Shp Sh Char-Gry No Odor No Stn No Flor NS

LS AA Wht-Crm-Gry Fxln Poor-Fair-Med Pin-Pt Ixln Por Chalk V Abd Sh Char-Gry-Tr Red (1 Pc) Dec No Odor No Stn No Flor NS

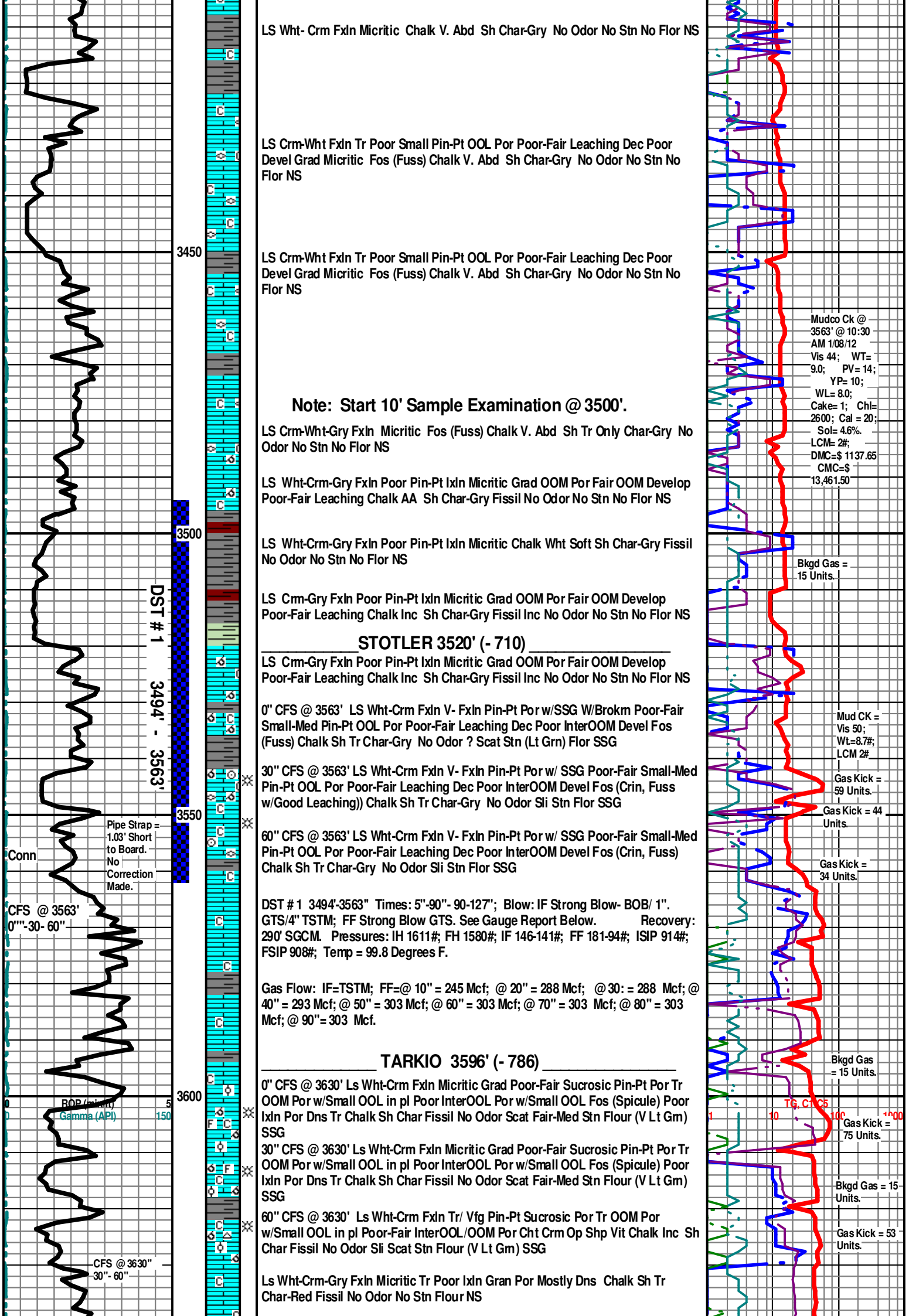
LS Crm-Gry Fxln Poor-Fair-Med Pin-Pt Ixln Grad Micritic Chalk Abd Cht Wht-Tan Op Vit Shp Sh Char-Gry No Odor No Stn No Flor NS

LS Gry Fxln Tr Poor Pin-Pt Ixln Grad Chalk V. Abd Sh Char-Gry No Odor No Stn No Flor NS

LS Gry Fxln Tr Poor Pin-Pt Ixln Grad Chalk V. Abd Sh Char-Gry No Odor No Stn No Flor NS

LS AA Gry Fxln Tr Poor Pin-Pt Ixln Grad Chalk V. Abd Sh Char-Gry No Odor No Stn No Flor NS

LS AA Gry Fxln Tr Poor Pin-Pt Ixln Grad Chalk V. Abd Sh Char-Gry No Odor No Stn No Flor NS



LS Wht- Crm Fxln Micritic Chalk V. Abd Sh Char-Gry No Odor No Stn No Flor NS

LS Crm-Wht Fxln Tr Poor Small Pin-Pt OOL Por Poor-Fair Leaching Dec Poor Devel Grad Micritic Fos (Fuss) Chalk V. Abd Sh Char-Gry No Odor No Stn No Flor NS

LS Crm-Wht Fxln Tr Poor Small Pin-Pt OOL Por Poor-Fair Leaching Dec Poor Devel Grad Micritic Fos (Fuss) Chalk V. Abd Sh Char-Gry No Odor No Stn No Flor NS

Note: Start 10' Sample Examination @ 3500'.

LS Crm-Wht-Gry Fxln Micritic Fos (Fuss) Chalk V. Abd Sh Tr Only Char-Gry No Odor No Stn No Flor NS

LS Wht-Crm-Gry Fxln Poor Pin-Pt Ixln Micritic Grad OOM Por Fair OOM Develop Poor-Fair Leaching Chalk AA Sh Char-Gry Fissil No Odor No Stn No Flor NS

LS Wht-Crm-Gry Fxln Poor Pin-Pt Ixln Micritic Chalk Wht Soft Sh Char-Gry Fissil No Odor No Stn No Flor NS

LS Crm-Gry Fxln Poor Pin-Pt Ixln Micritic Grad OOM Por Fair OOM Develop Poor-Fair Leaching Chalk Inc Sh Char-Gry Fissil Inc No Odor No Stn No Flor NS

STOTLER 3520' (- 710)

LS Crm-Gry Fxln Poor Pin-Pt Ixln Micritic Grad OOM Por Fair OOM Develop Poor-Fair Leaching Chalk Inc Sh Char-Gry Fissil Inc No Odor No Stn No Flor NS

0" CFS @ 3563' LS Wht-Crm Fxln V- Fxln Pin-Pt Por w/SSG W/Brokrn Poor-Fair Small-Med Pin-Pt OOL Por Poor-Fair Leaching Dec Poor InterOOM Devel Fos (Fuss) Chalk Sh Tr Char-Gry No Odor ? Scat Stn (Lt Grn) Flor SSG

30" CFS @ 3563' LS Wht-Crm Fxln V- Fxln Pin-Pt Por w/ SSG Poor-Fair Small-Med Pin-Pt OOL Por Poor-Fair Leaching Dec Poor InterOOM Devel Fos (Crin, Fuss w/Good Leaching)) Chalk Sh Tr Char-Gry No Odor Sli Stn Flor SSG

60" CFS @ 3563' LS Wht-Crm Fxln V- Fxln Pin-Pt Por w/ SSG Poor-Fair Small-Med Pin-Pt OOL Por Poor-Fair Leaching Dec Poor InterOOM Devel Fos (Crin, Fuss) Chalk Sh Tr Char-Gry No Odor Sli Stn Flor SSG

DST # 1 3494'-3563" Times: 5"-90"- 90-127"; Blow: IF Strong Blow- BOB/ 1". GTS/4" TSTM; FF Strong Blow GTS. See Gauge Report Below. Recovery: 290' SGCM. Pressures: IH 1611#; FH 1580#; IF 146-141#; FF 181-94#; ISIP 914#; FSIP 908#; Temp = 99.8 Degrees F.

Gas Flow: IF=TSTM; FF=@ 10" = 245 Mcf; @ 20" = 288 Mcf; @ 30: = 288 Mcf; @ 40" = 293 Mcf; @ 50" = 303 Mcf; @ 60" = 303 Mcf; @ 70" = 303 Mcf; @ 80" = 303 Mcf; @ 90"= 303 Mcf.

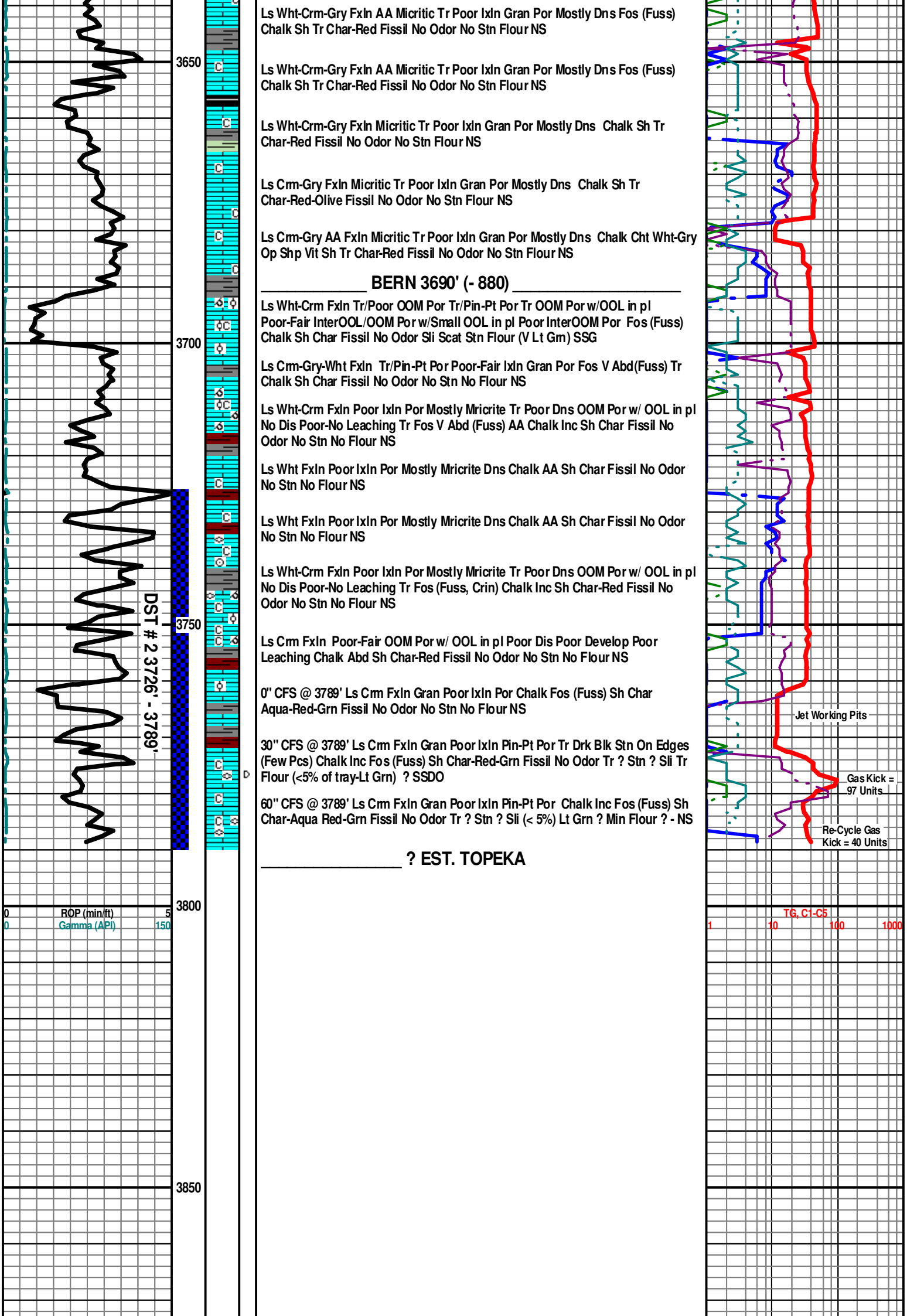
TARKIO 3596' (- 786)

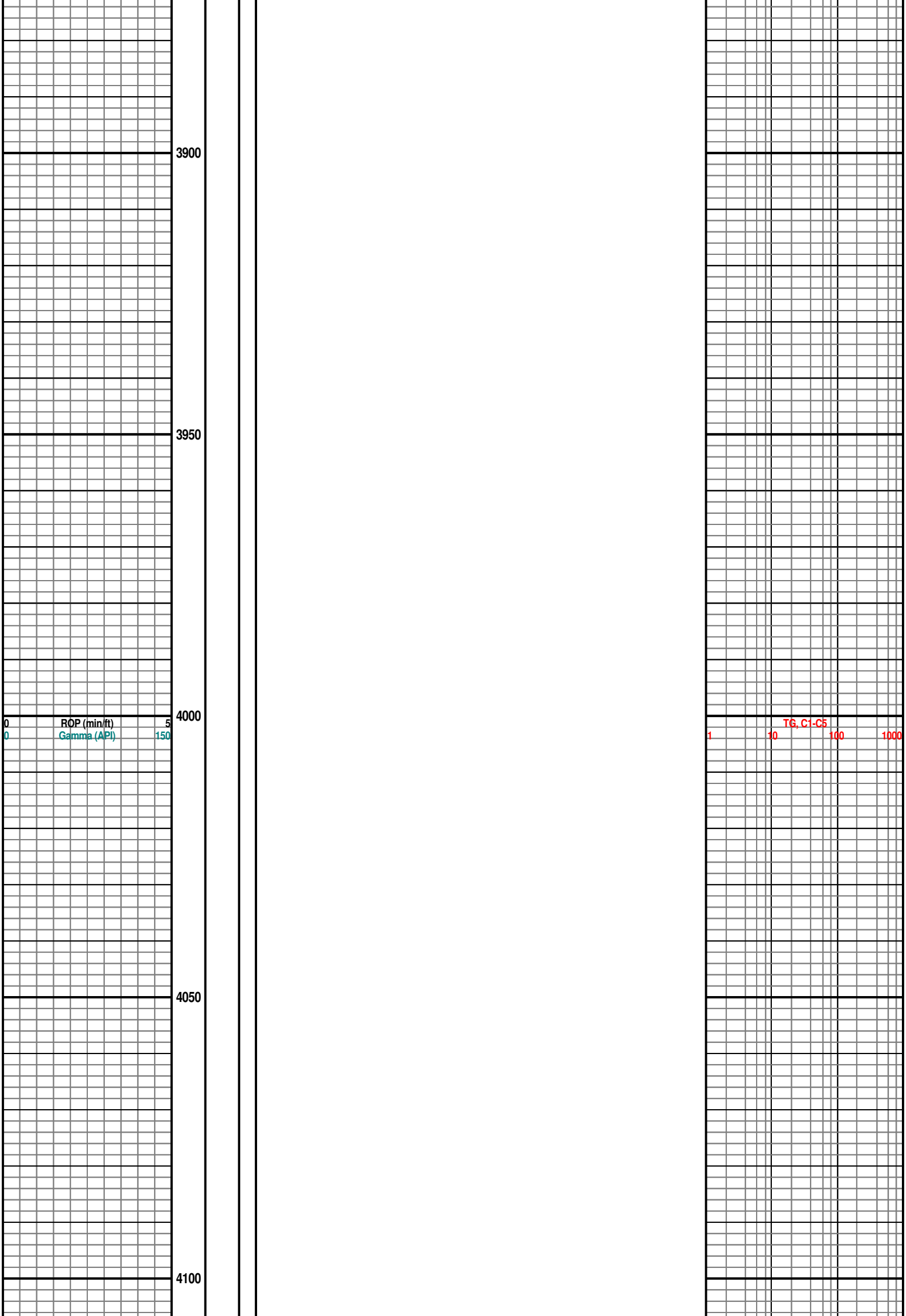
0" CFS @ 3630' Ls Wht-Crm Fxln Micritic Grad Poor-Fair Sucrosic Pin-Pt Por Tr OOM Por w/Small OOL in pl Poor InterOOL Por w/Small OOL Fos (Spicule) Poor Ixln Por Dns Tr Chalk Sh Char Fissil No Odor Scat Fair-Med Stn Flour (V Lt Grn) SSG

30" CFS @ 3630' Ls Wht-Crm Fxln Micritic Grad Poor-Fair Sucrosic Pin-Pt Por Tr OOM Por w/Small OOL in pl Poor InterOOL Por w/Small OOL Fos (Spicule) Poor Ixln Por Dns Tr Chalk Sh Char Fissil No Odor Scat Fair-Med Stn Flour (V Lt Grn) SSG

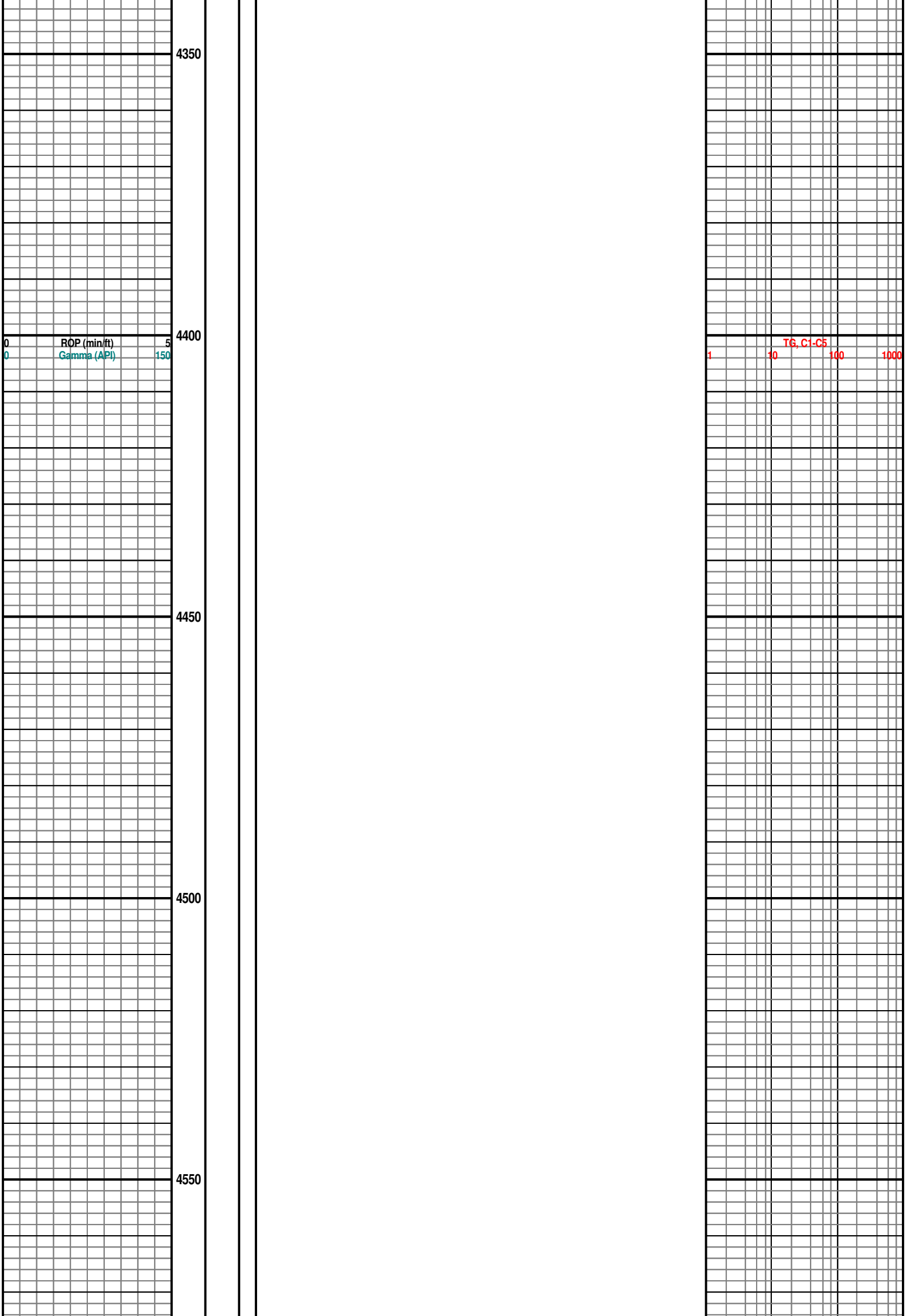
60" CFS @ 3630' Ls Wht-Crm Fxln Tr/ Vfg Pin-Pt Sucrosic Por Tr OOM Por w/Small OOL in pl Poor-Fair InterOOL/OOM Por Cht Crm Op Shp Vit Chalk Inc Sh Char Fissil No Odor Sli Scat Stn Flour (V Lt Grn) SSG

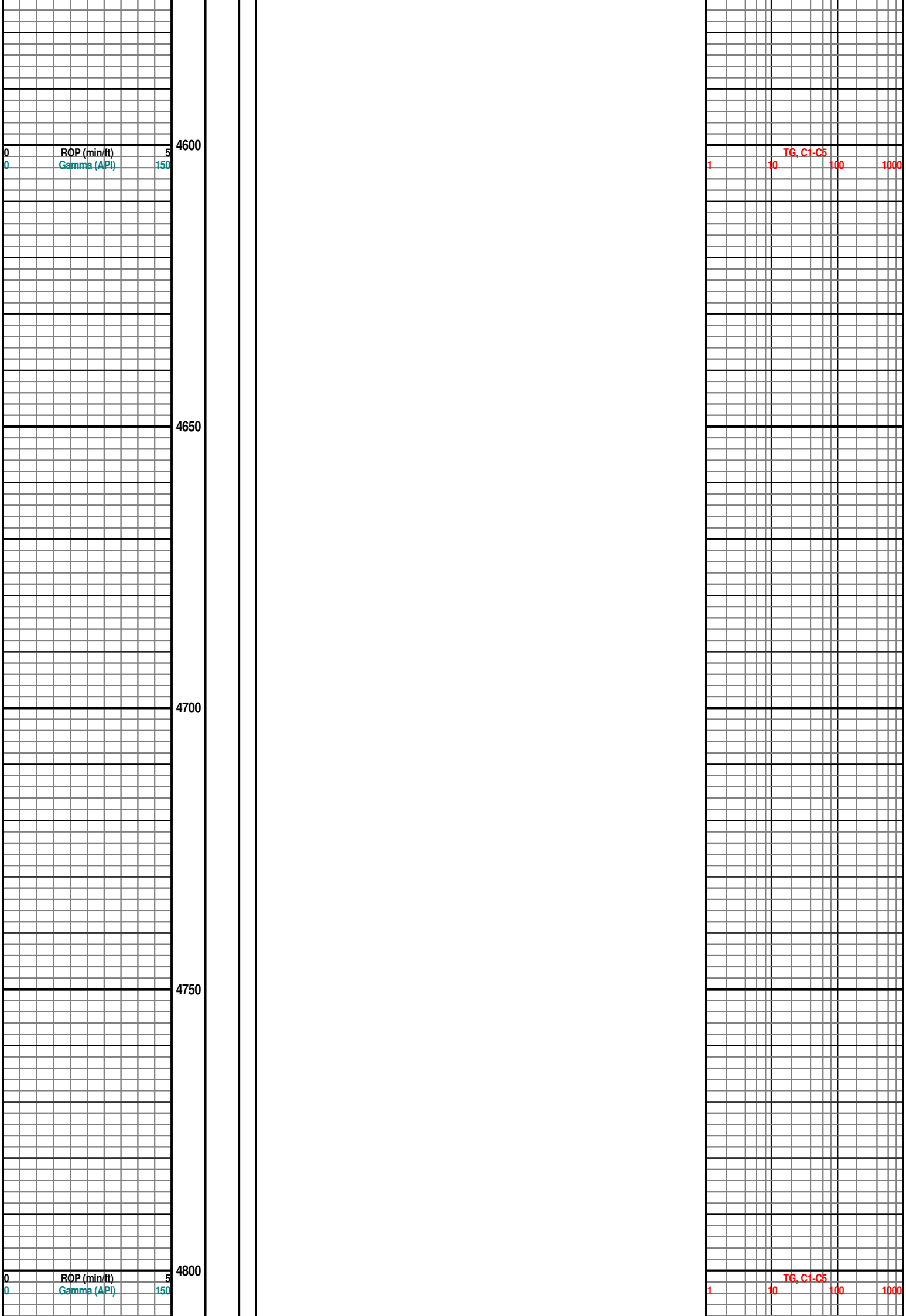
Ls Wht-Crm-Gry Fxln Micritic Tr Poor Ixln Gran Por Mostly Dns Chalk Sh Tr Char-Red Fissil No Odor No Stn Flour NS

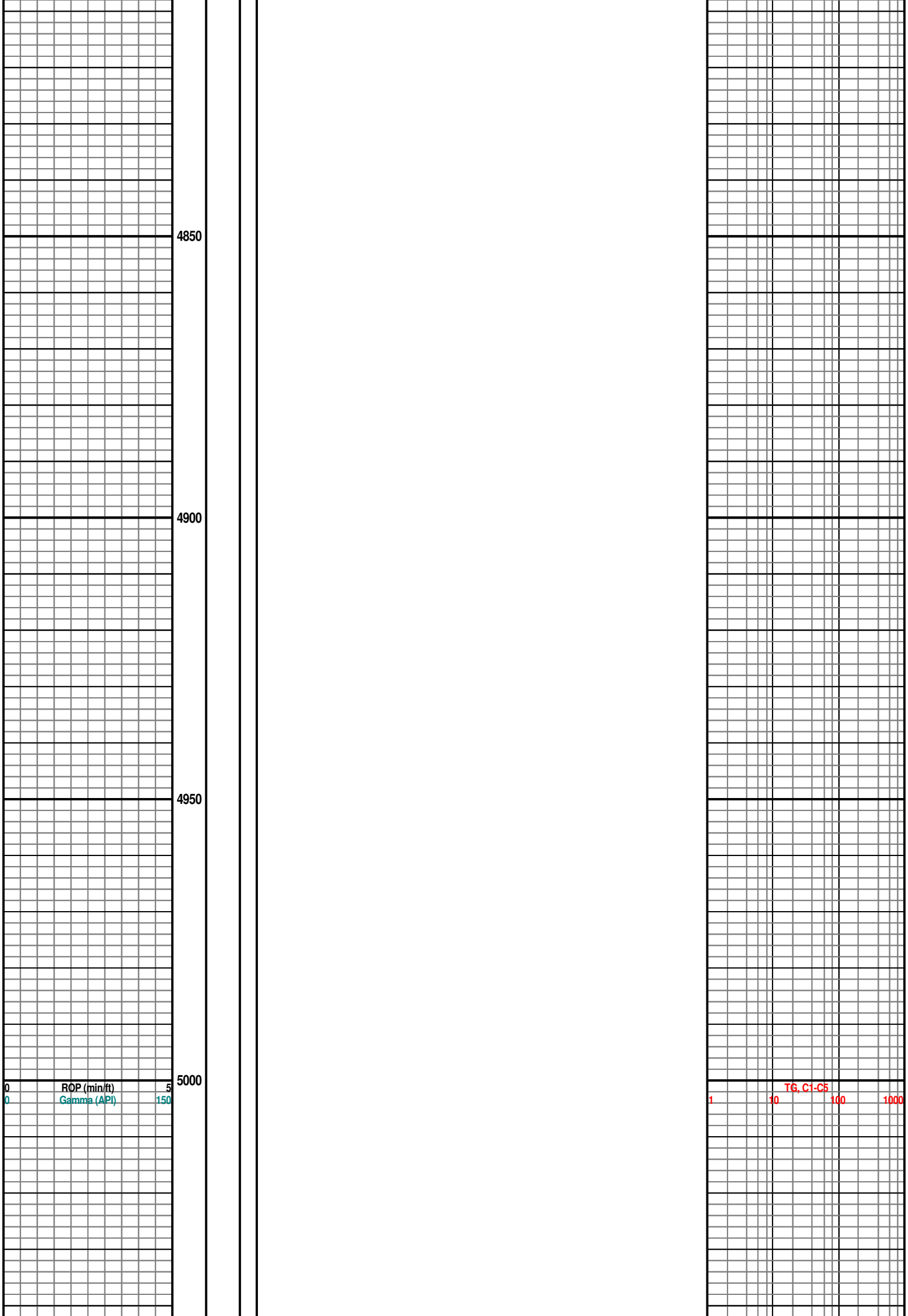

3650
3700
3750
3800
3850
DST # 2 3726' - 3789'
0
ROP (min/ft)
5
0
Gamma (API)
150
Ls Wht-Crm-Gry Fxln AA Micritic Tr Poor Ixln Gran Por Mostly Dns Fos (Fuss) Chalk Sh Tr Char-Red Fissil No Odor No Stn Flour NS
Ls Wht-Crm-Gry Fxln AA Micritic Tr Poor Ixln Gran Por Mostly Dns Fos (Fuss) Chalk Sh Tr Char-Red Fissil No Odor No Stn Flour NS
Ls Wht-Crm-Gry Fxln Micritic Tr Poor Ixln Gran Por Mostly Dns Chalk Sh Tr Char-Red Fissil No Odor No Stn Flour NS
Ls Crm-Gry Fxln Micritic Tr Poor Ixln Gran Por Mostly Dns Chalk Sh Tr Char-Red-Olive Fissil No Odor No Stn Flour NS
Ls Crm-Gry AA Fxln Micritic Tr Poor Ixln Gran Por Mostly Dns Chalk Cht Wht-Gry Op Shp Vit Sh Tr Char-Red Fissil No Odor No Stn Flour NS
BERN 3690' (- 880)
Ls Wht-Crm Fxln Tr/Poor OOM Por Tr/Pin-Pt Por Tr OOM Por w/OOL in pl Poor-Fair InterOOL/OOM Por w/Small OOL in pl Poor InterOOM Por Fos (Fuss) Chalk Sh Char Fissil No Odor Sli Scat Stn Flour (V Lt Grn) SSG
Ls Crm-Gry-Wht Fxln Tr/Pin-Pt Por Poor-Fair Ixln Gran Por Fos V Abd(Fuss) Tr Chalk Sh Char Fissil No Odor No Stn No Flour NS
Ls Wht-Crm Fxln Poor Ixln Por Mostly Mricrite Tr Poor Dns OOM Por w/ OOL in pl No Dis Poor-No Leaching Tr Fos V Abd (Fuss) AA Chalk Inc Sh Char Fissil No Odor No Stn No Flour NS
Ls Wht Fxln Poor Ixln Por Mostly Mricrite Dns Chalk AA Sh Char Fissil No Odor No Stn No Flour NS
Ls Wht Fxln Poor Ixln Por Mostly Mricrite Dns Chalk AA Sh Char Fissil No Odor No Stn No Flour NS
Ls Wht-Crm Fxln Poor Ixln Por Mostly Mricrite Tr Poor Dns OOM Por w/ OOL in pl No Dis Poor-No Leaching Tr Fos (Fuss, Crin) Chalk Inc Sh Char-Red Fissil No Odor No Stn No Flour NS
Ls Crm Fxln Poor-Fair OOM Por w/ OOL in pl Poor Dis Poor Develop Poor Leaching Chalk Abd Sh Char-Red Fissil No Odor No Stn No Flour NS
0" CFS @ 3789' Ls Crm Fxln Gran Poor Ixln Por Chalk Fos (Fuss) Sh Char Aqua-Red-Grn Fissil No Odor No Stn No Flour NS
30" CFS @ 3789' Ls Crm Fxln Gran Poor Ixln Pin-Pt Por Tr Drk Blk Stn On Edges (Few Pcs) Chalk Inc Fos (Fuss) Sh Char-Red-Grn Fissil No Odor Tr ? Stn ? Sli Tr Flour (<5% of tray-Lt Grn) ? SSDO
60" CFS @ 3789' Ls Crm Fxln Gran Poor Ixln Pin-Pt Por Chalk Inc Fos (Fuss) Sh Char-Aqua Red-Grn Fissil No Odor Tr ? Stn ? Sli (< 5%) Lt Grn ? Min Flour ? - NS
? EST. TOPEKA
Jet Working Pits
Gas Kick = 97 Units
Re-Cycle Gas Kick = 40 Units
TG, C1-C5
1
10
100
1000

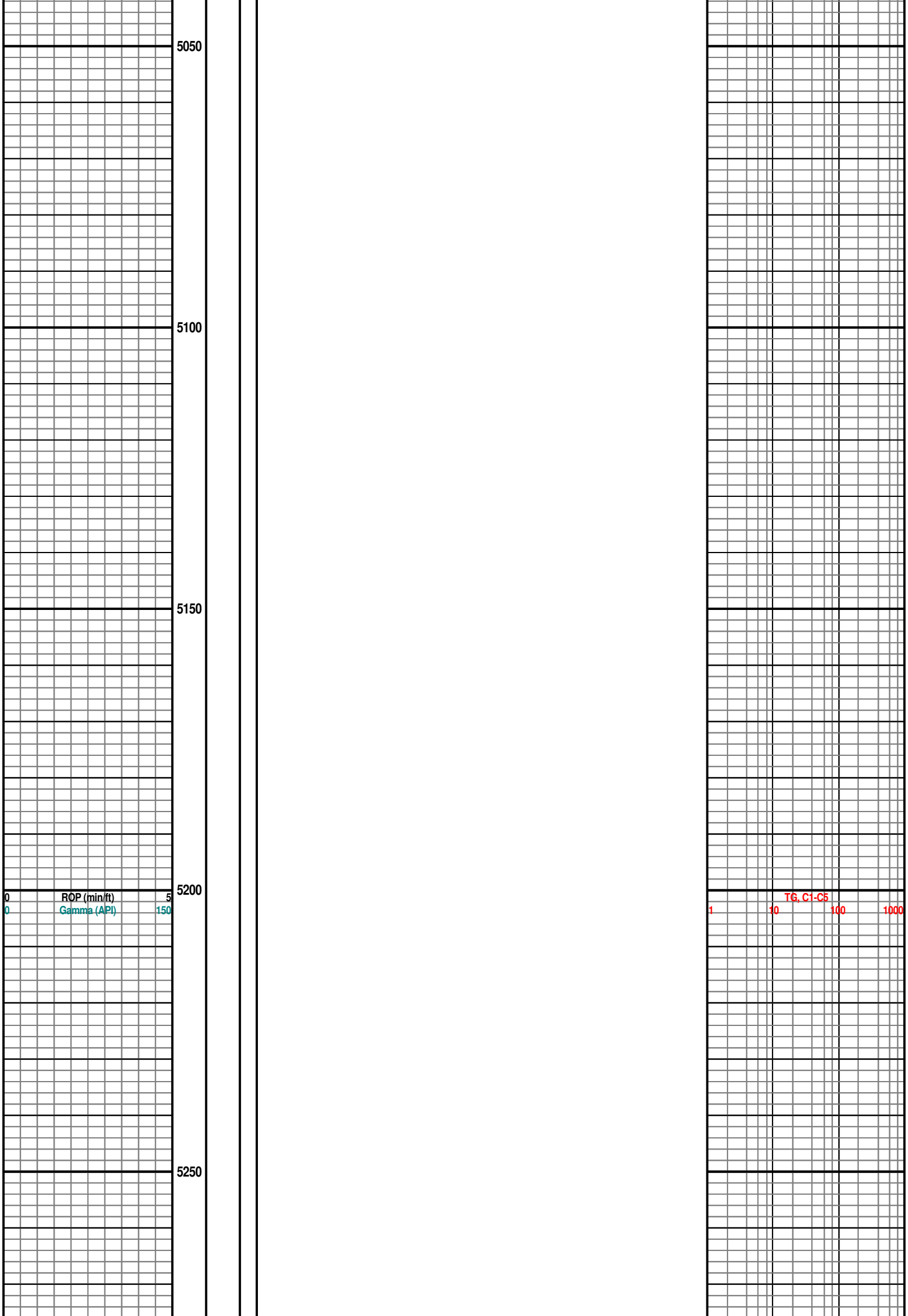

3900
3950
4000
4050
4100
0
ROP (min/ft)
5
0
Gamma (API)
150
TG, C1-C5
1
10
100
1000

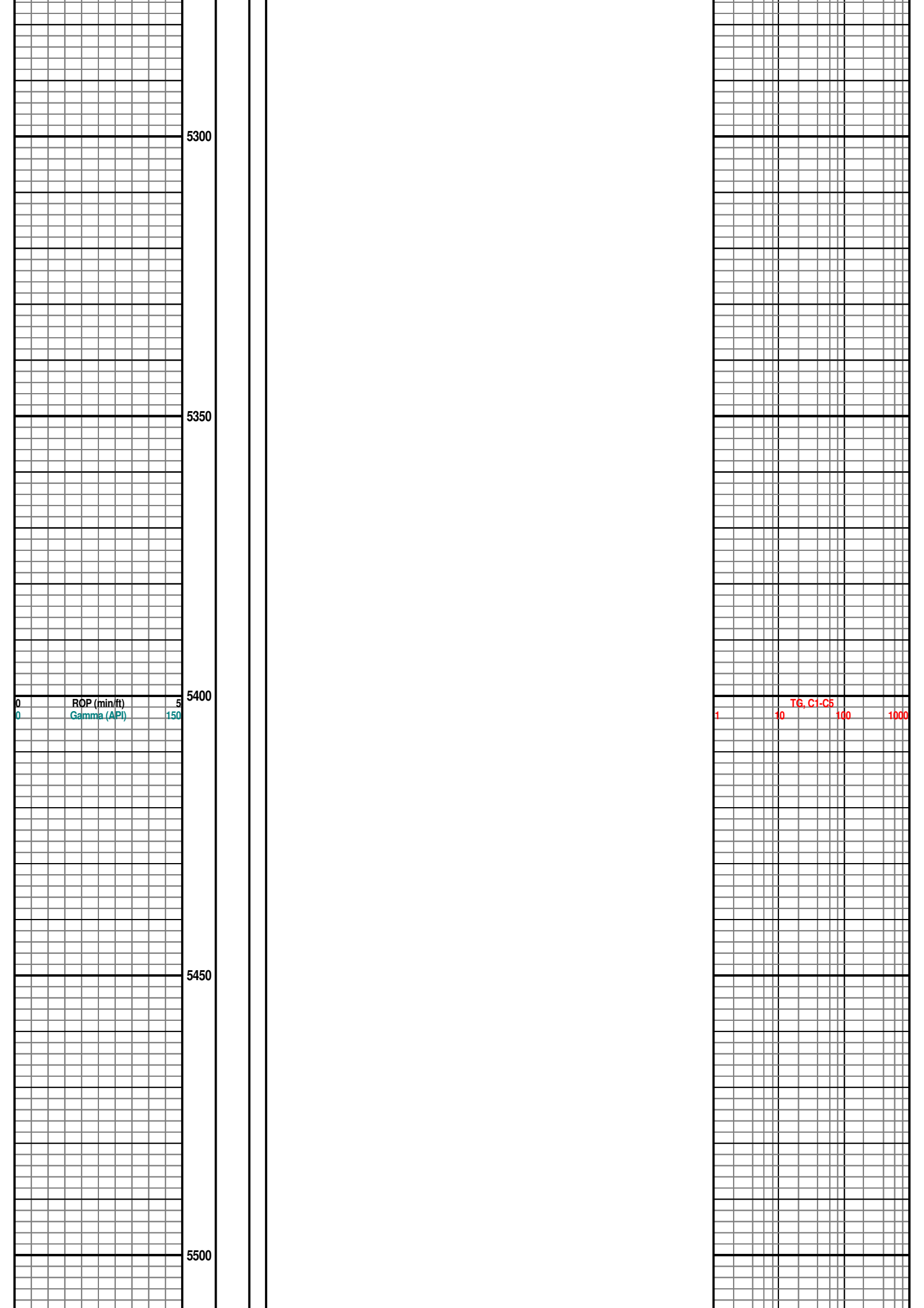

4150
4200
4250
4300
0
ROP (min/ft)
5
0
Gamma (API)
150
TG, C1-C5
1
10
100
1000

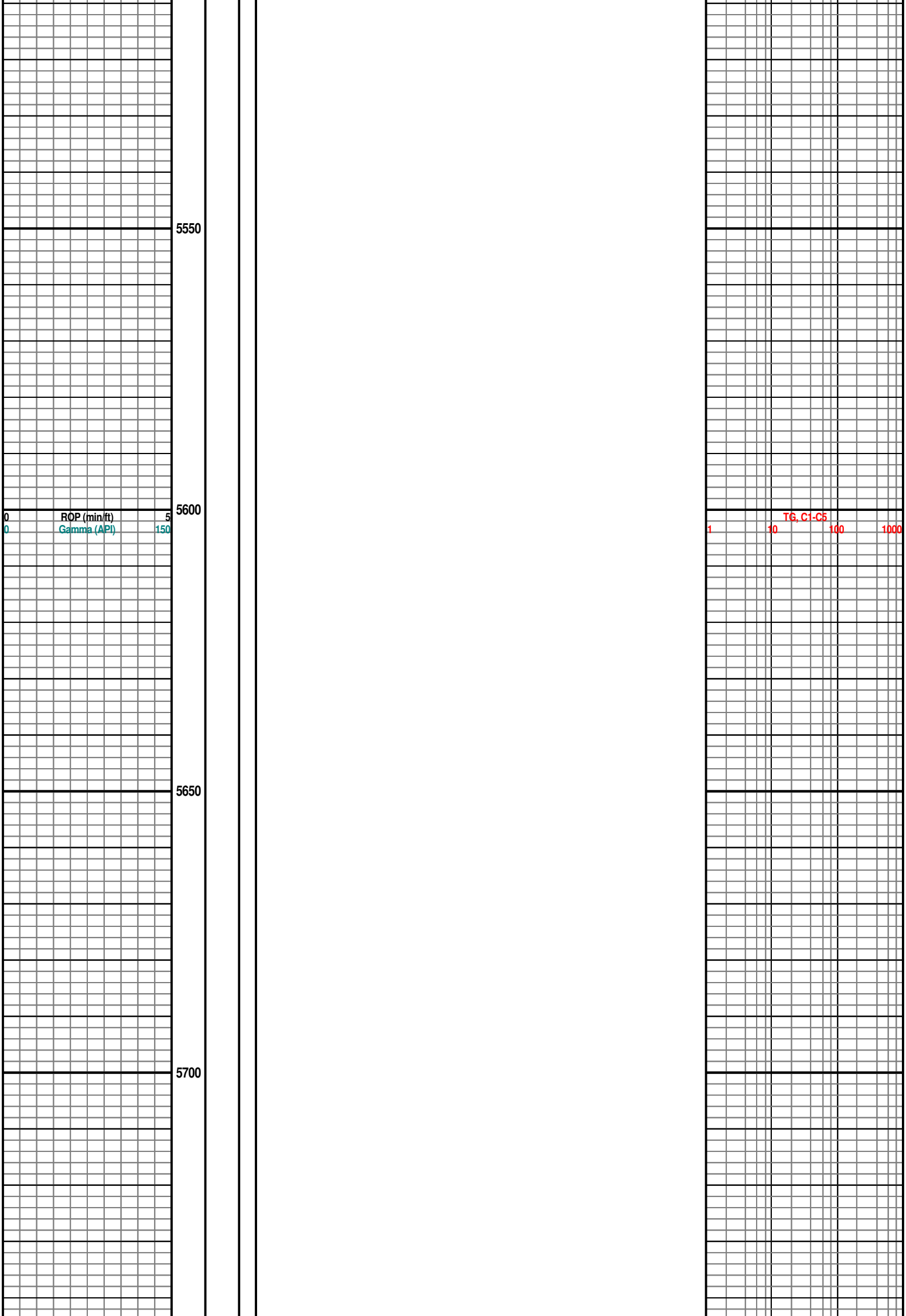

4350
4400
4450
4500
4550
0
ROP (min/ft)
5
0
Gamma (API)
150
TG, C1-C5
1
10
100
1000


0
ROP (min/ft)
5
0
Gamma (API)
150
4600
4650
4700
4750
4800
TG, C1-C5
1
10
100
1000


4850
4900
4950
5000
0
ROP (min/ft)
5
0
Gamma (API)
150
TG, C1-C5
1
10
100
1000


5050
5100
5150
5200
5250
0
ROP (min/ft)
5
0
Gamma (API)
150
TG, C1-C5
1
10
100
1000


5300
5350
5400
5450
5500
0
ROP (min/ft)
5
0
Gamma (API)
150
TG, C1-C5
1
10
100
1000


5550
5600
0
ROP (min/ft)
5
0
Gamma (API)
150
TG, C1-C5
1
10
100
1000
5650
5700

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

April 09, 2012

CYNDE WOLF
Falcon Exploration, Inc.
125 N MARKET STE 1252
WICHITA, KS 67202-1719

Re: ACO1
API 15-069-20357-00-00
HENRY KOEHN 1-13(NE)
NE/4 Sec.13-28S-30W
Gray County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
CYNDE WOLF