Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1131584

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 # 5004
Name: Vincent Oil Corporation
Address 1: 155 N MARKET STE 700
Address 2:
City: WICHITA State: KS Zip: 67202 + 1821
Contact Person: M.L. Korphage
Phone: (316) 262-3573
CONTRACTOR: License # 5822
Name: Val Energy, Inc.
Wellsite Geologist: Jim Hall
Purchaser: None - D&A

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 #:

12/6/2012	12/18/2012	12/18/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-057-20863-00-00
Spot Description:
NE - SE - SW - NW Sec. 31 Twp. 29 S. R. 24 ☐ East ☑ West
2255 Feet from ☑ North / ☐ South Line of Section
1215 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: Ford
Lease Name: Irons Well #: 1-31
Field Name: Wildcat
Producing Formation: None - D&A
Elevation: Ground: 2577 Kelly Bushing: 2587
Total Vertical Depth: 5455 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 644 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: 13500 ppm Fluid volume: 1100 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: 04/04/2013
☑ **Confidential Release Date:** 04/04/2015
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 04/04/2013

1131584

Operator Name: Vincent Oil Corporation Lease Name: Irons Well #: 1-31

Sec. 31 Twp. 29 S. R. 24 ☐ East ☑ West County: Ford

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
Surfacee casing	12.25	8.6250	23	644	65/35 POZ & Common	320	2-6% Gel, 3% CC & 1/4# flo-seal/sx

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

TUBING RECORD: Size: Set At: 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	Vincent Oil Corporation
Well Name	Irons 1-31
Doc ID	1131584

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Irons 1-31
Doc ID	1131584

Tops

Name	Top	Datum
Heebner Shale	4380	(-1793)
Brown Limestone	4524	(-1937)
Lansing	4536	(-1949)
Stark Shale	4903	(-2316)
Pawnee	5122	(-2535)
Cherokee Shale	5172	(-2585)
Base Penn Limestone	5287	(-2700)
Morrow Sand	5304	(-2717)
Mississippian	5394	(-2807)
LTD	5454	(-2867)

QUALITY WELL SERVICE, INC.

5761

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410
Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date 12-7-12	Sec. 31	Twp. 29	Range 24	County Ford	State KS	On Location	Finish 3:30-4:00pm
Lease Irons	Well No. 1-31			Location Minneola 1 E 1N Ento			

Contractor Val #5		Owner	
Type Job Surface		To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Hole Size 12 1/4	T.D. 664		
Csg. 8 5/8	Depth 628.45	Charge To Vincent Oil	
Tbg. Size	Depth	Street	
Tool	Depth	City State	
Cement Left in Csg.	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.	
Meas Line	Displace 38.5	Cement Amount Ordered 220sx 65/35-6%gel 1/4# F10 100sx com 3%CC 2%gel	

EQUIPMENT			
Pumptrk	No. 8	Cody	
Bulktrk	No. 9	Mike	
Bulktrk	No. 10	David	
Pickup	No.		

JOB SERVICES & REMARKS		
Rat Hole		
Mouse Hole		
Centralizers		
Baskets		
D/V or Port Collar		
Ran 15 Jts of 8 5/8 and landing jt		
Est Circulation		
Hooked up and mixed 220sx 65/35 6%gel 1/4# F10 and tailed in with 100sx com 3%CC and 2%gel - Shut down released plug and disp 38.5 bbl of H20 - plug landed @ 600 psi - Shut in		
Cement Did Circulate		
Thank You		
X Signature Randy Sudd		

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	
FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Rubber Plug	
Baffle plate	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

Taylor Printing, Inc.

KB

ALLIED OIL & GAS SERVICES, LLC 052689

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Liberal

DATE 12/18/12	SEC. 31	TWP. 29S	RANGE 24W	CALLED OUT	ON LOCATION	JOB START 18:30	JOB FINISH 21:00
LEASE Trens	WELL # 1-31	LOCATION Minneola Kansas				COUNTY Ford	STATE Kansas
OLD OR NEW (Circle one)							

1.03 7.95 ale

CONTRACTOR Val Rig #5
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D. 1560
CASING SIZE 8 5/8 DEPTH 640
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 1,000 MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER

EQUIPMENT

PUMP TRUCK CEMENTER Tim C. 1
#531-541 HELPER Cesar P 2
BULK TRUCK
#562-554 DRIVER Jaime T 3
BULK TRUCK
DRIVER

REMARKS:

Thank You

CHARGE TO: Vincent Oil & Gas
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 Jeff Hood

SIGNATURE Jeff Hood

CEMENT

AMOUNT ORDERED 170 SKS 60:40:4 Class A, poz, gel

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
ALC2A 170 SKS	@	15.95	$2,711.50
HANDLING 241.4	@	2.48	$598.47
~~MILEAGE~~ Drayage 380.12	@	2.60	$988.31
TOTAL			$4,298.48

SERVICE

DEPTH OF JOB 1,560			
PUMP TRUCK CHARGE			$1,250.00
EXTRA FOOTAGE	@		
MILEAGE	@		
MANIFOLD	@		
Light Vehicle 50	@	4.40	$220.00
Heavy Vehicle 50	@	7.70	$385.00
TOTAL			$1,855.00

PLUG & FLOAT EQUIPMENT

N/A

TOTAL 0

SALES TAX (If Any) 489.20
TOTAL CHARGES $6,153.48
DISCOUNT 20% 1230.69 IF PAID IN 30 DAYS
$4,922.78

DRILL STEM TEST REPORT

Vincent Oil Corp.

155 N. Market Ste. 700
Wichita, KS 67202-1821

ATTN: Jim Hall

31-29s.-24w. Ford Co. KS

Irons 1-31

Job Ticket: 49710 **DST#: 1**

Test Start: 2012.12.17 @ 03:24:20

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 06:41:20
Time Test Ended: 11:57:20

Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Reynolds
Unit No: 48

Interval: 5174.00 ft (KB) To 5352.00 ft (KB) (TVD)
Total Depth: 5352.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

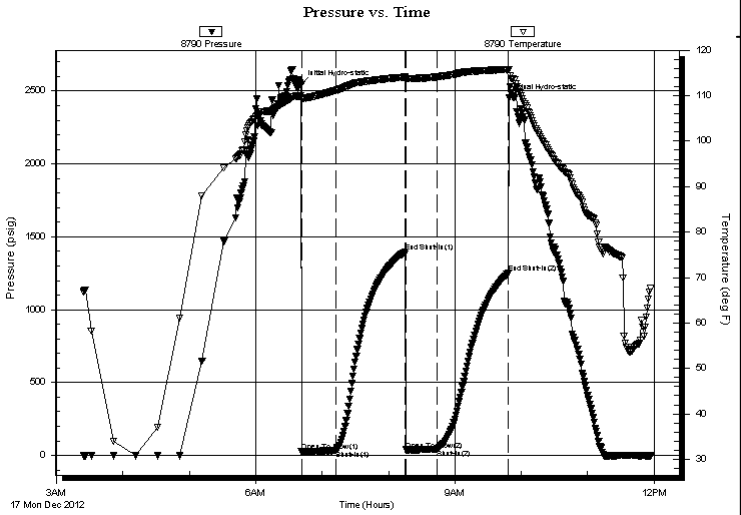
Reference Elevations: 2587.00 ft (KB)
2577.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8790 **Inside**

Press@RunDepth: 43.78 psig @ 5175.00 ft (KB)
Start Date: 2012.12.17 End Date: 2012.12.17
Start Time: 03:24:25 End Time: 11:57:20

Capacity: 8000.00 psig
Last Calib.: 2012.12.17
Time On Btm: 2012.12.17 @ 06:41:05
Time Off Btm: 2012.12.17 @ 09:48:50

TEST COMMENT: IF: Weak blow . 1/2" - 2"
ISI: No blow
FF: Weak blow . 1/2" - Surf.
FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2546.28	110.00	Initial Hydro-static
1	25.71	109.17	Open To Flow (1)
32	34.65	111.18	Shut-In(1)
94	1395.67	114.09	End Shut-In(1)
95	37.74	113.81	Open To Flow (2)
123	43.78	114.12	Shut-In(2)
187	1250.07	115.79	End Shut-In(2)
188	2451.42	115.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	WM 46%w tr, 54%mud	0.70

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corp.

155 N. Market Ste. 700
Wichita, KS 67202-1821

ATTN: Jim Hall

31-29s.-24w. Ford Co. KS

Irons 1-31

Job Ticket: 49710 **DST#: 1**

Test Start: 2012.12.17 @ 03:24:20

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	41000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	10000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	WM 46%w tr, 54%mud	0.701

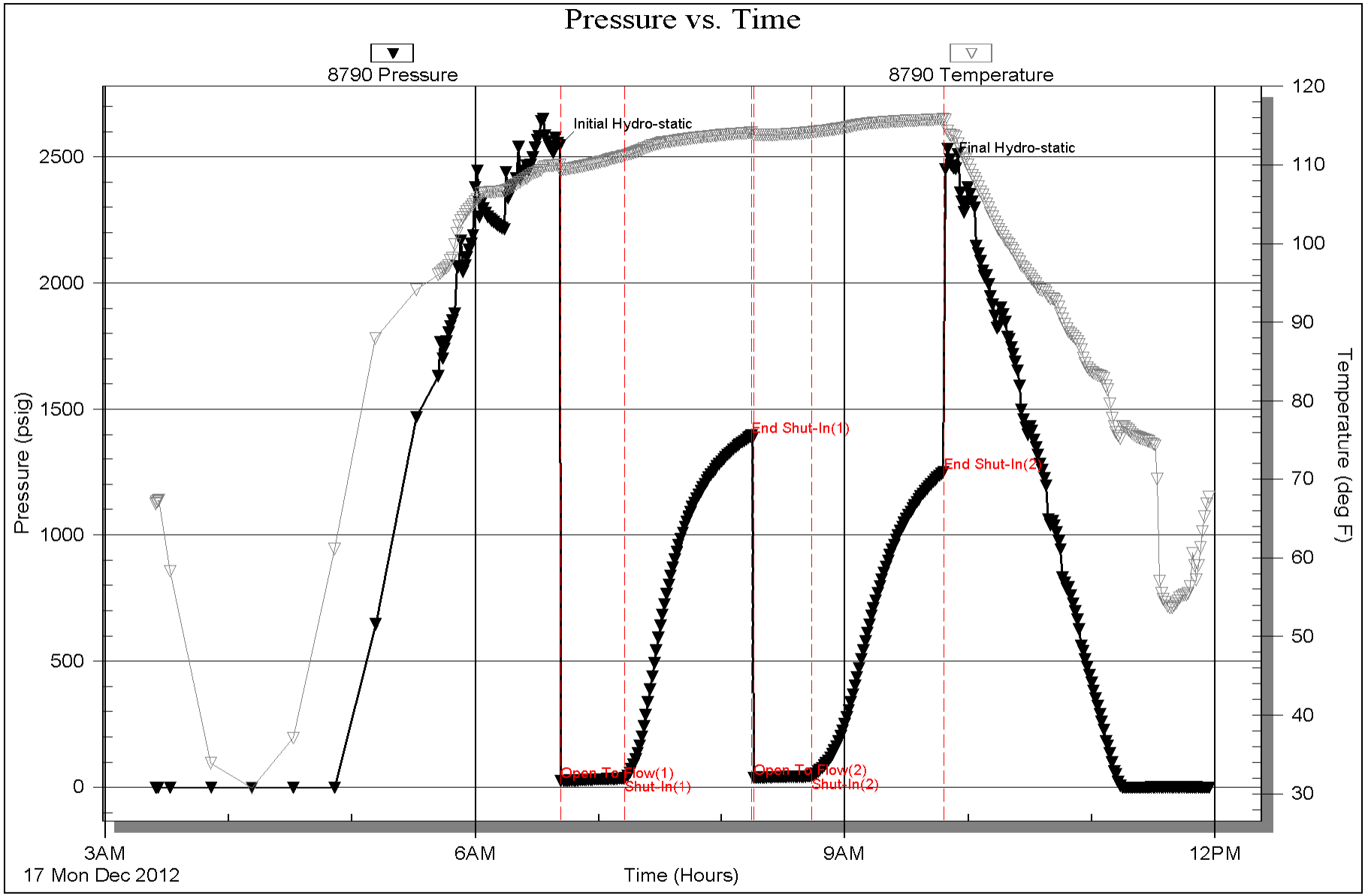
Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8790 **Inside** Vincent Oil Corp. Irons 1-31 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 49710 Printed: 2012.12.17 @ 13:01:32

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name:	**VINCENT OIL CORP. IRONS #1-31**		
Location:	**NE SE SW NW 31 T 29S R 24W, FORD CO. KANSAS**		
License Number:	**15-057-20863-00-00**	**Region:**	**WILDCAT**
Spud Date:	**12/06/12**	**Drilling Completed:**	**12/18/12**
Surface Coordinates:	**2,255' FNL, 1,215' FWL**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**2,577'**	**K.B. Elevation (ft):**	**2,587'**
Logged Interval (ft):	**4,200' To: 5,455'**	**Total Depth (ft):**	**5,455'**
Formation:	**RTD: MISSISSIPPI**		
Type of Drilling Fluid:	**NATIVE TO 3,733'. CHEMICAL GEL TO RTD.**		

OPERATOR

Company: **Vincent Oil Corporation**
Address: **155 N. Market St. Ste 700**
Wichita, Kansas 67202-1821
316-262-3573

GEOLOGIST

Name: **Jame R. Hall Well Site Supervision**
Company: **Black Gold Petroleum**
Address: **5530 N. Sedgwick**
Wichita, Kansas 67204-1828
316-838-2574

Comments

Drilling contractor: VAL Energy Inc, Rig #5, Tool Pusher: Randy Smith.

Surface Casing: 12 1/4" hole to 650'. 8 5/8" set at 644' w/ 320sx, cement. Had to wait 15hrs. for cement to cure.

Well was P&A 12/18/12.

Deviation Surveys: 1/4 @ 650', Misrun @ 5,352'

Bit Record:
#1 12 1/4" out @ 650'.
#2 7 7/8" JZ HA20Q in @ 650', out @ 5,352', made 4,702' in 159 hrs.
#3 7 7/8" JZPN8259 in @ 5,352', out @ 5,455', made 103' in 9.5 hrs.

Drilling time commenced: @ 4,200'. Minimum 10' wet and dry samples commenced: @ 4,250' to RTD. Samples delivered to Kansas Geological Sample Library at Wichita, Kansas.

Gas Detector: Bluestem Labs Unit #0259. Digital gas and drillig time system. Gas and drilling time were transferred from the logging computer, to this Plotted Geo. Report

Mud System: Mud-Co/Service Mud. Chemical Gel system @ 3,733', Mud Engineer: Justin Whiting & Terry Ison.

DST Co. Trilobite; Tester; Ryan Reynolds (Pratt Office).

Open Hole Logs: Nabors Completion & Production Service Co. (Hays Kansas), Logging Engineer: Jason Cappellucci.
DIL, CDL/CNL/PE, MEL/SON.

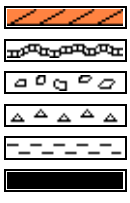
E-Log Formation Tops: Heebner 4,380 (-1793), Brown Lm 4,524 (-1937), Lansing 4,536 (-1949), Stark Sh 4,902 (-2315), Hushpuckney Sh 4,945 (-2358), Marmaton 5,050 (-2463), Pawnee 5,122 (-2535), Labette Sh 5,150 (-2563), Cherokee Sh 5,172 (-2585) , Basal Penn 5,287 (-2700), Sand 5,302 (-2715), Mississippian 5,330 (-2743).

Note: The open hole log gamma ray and caliper curves have been placed on this sample strip log. For better correlation, the strip log was shifted 4' shallow to correlate with the open hole logs.

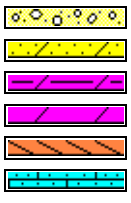
DSTs

DST #1 Morrow; 5,174 - 5,352 (178'), 30-60-30-60, IH 2546, IF 26-35, (weak 2inc), ISI 1396, FF 38-44 (weak 1/2inc), FSI 1250, FH 2451, Rec; 50' WM (46%water,54%mud), Rwa 0.22 @ 57F, Chl 41,000, Mud 10,000, BHT 116F.

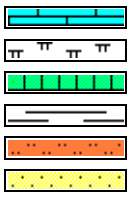
ROCK TYPES



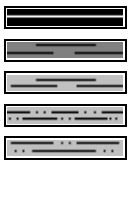
Anhy
Bent
Brec
Cht
Clyst
Coal



Congl
Sdy dolo
Shy dolo
Dol
Gyp
Sdy lmst



Lmst
Mrlst
Salt
Shale
Sltst
Ss



Black sh
Gry sh
Shale
Shysltst
Sltysh

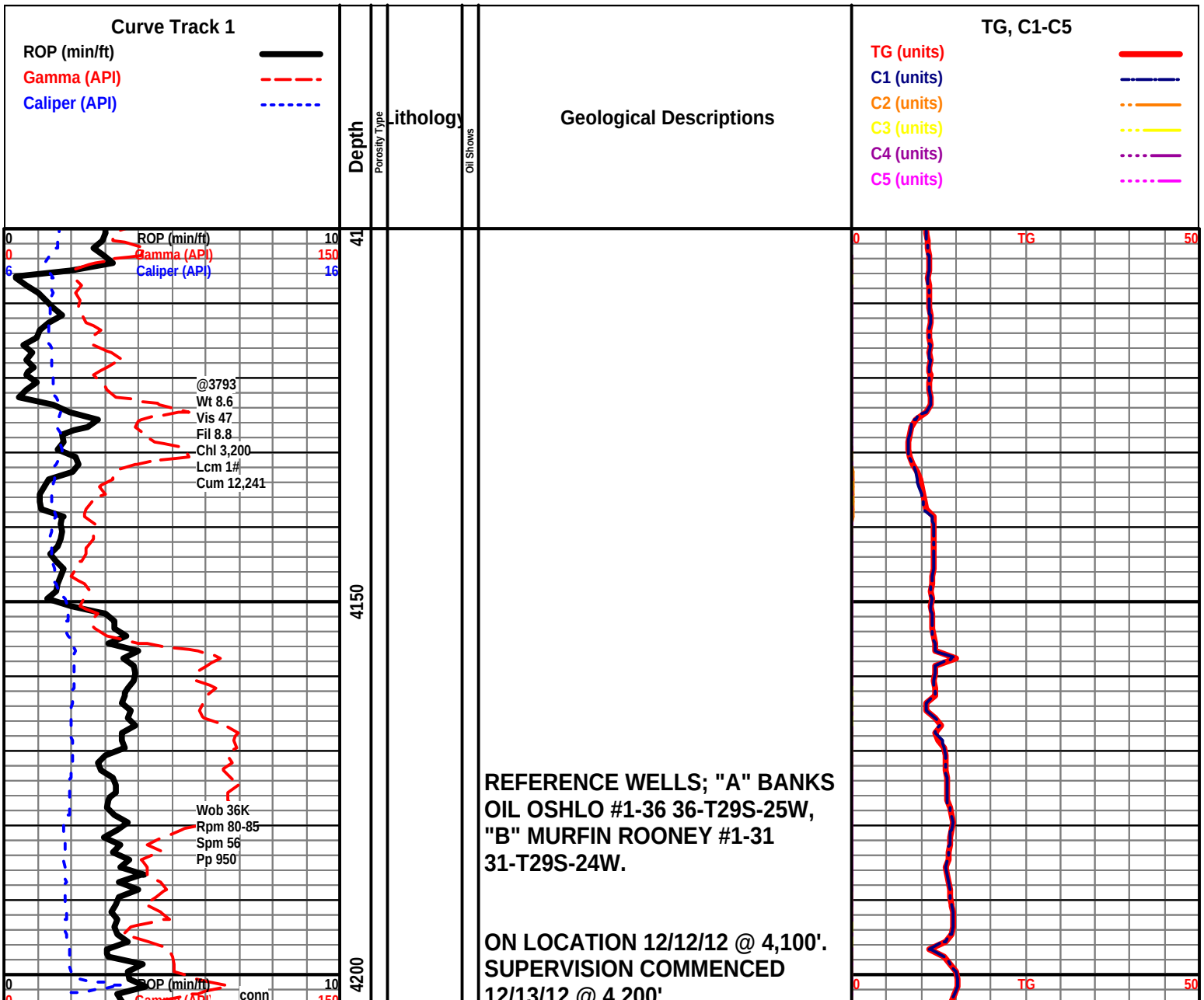
ACCESSORIES

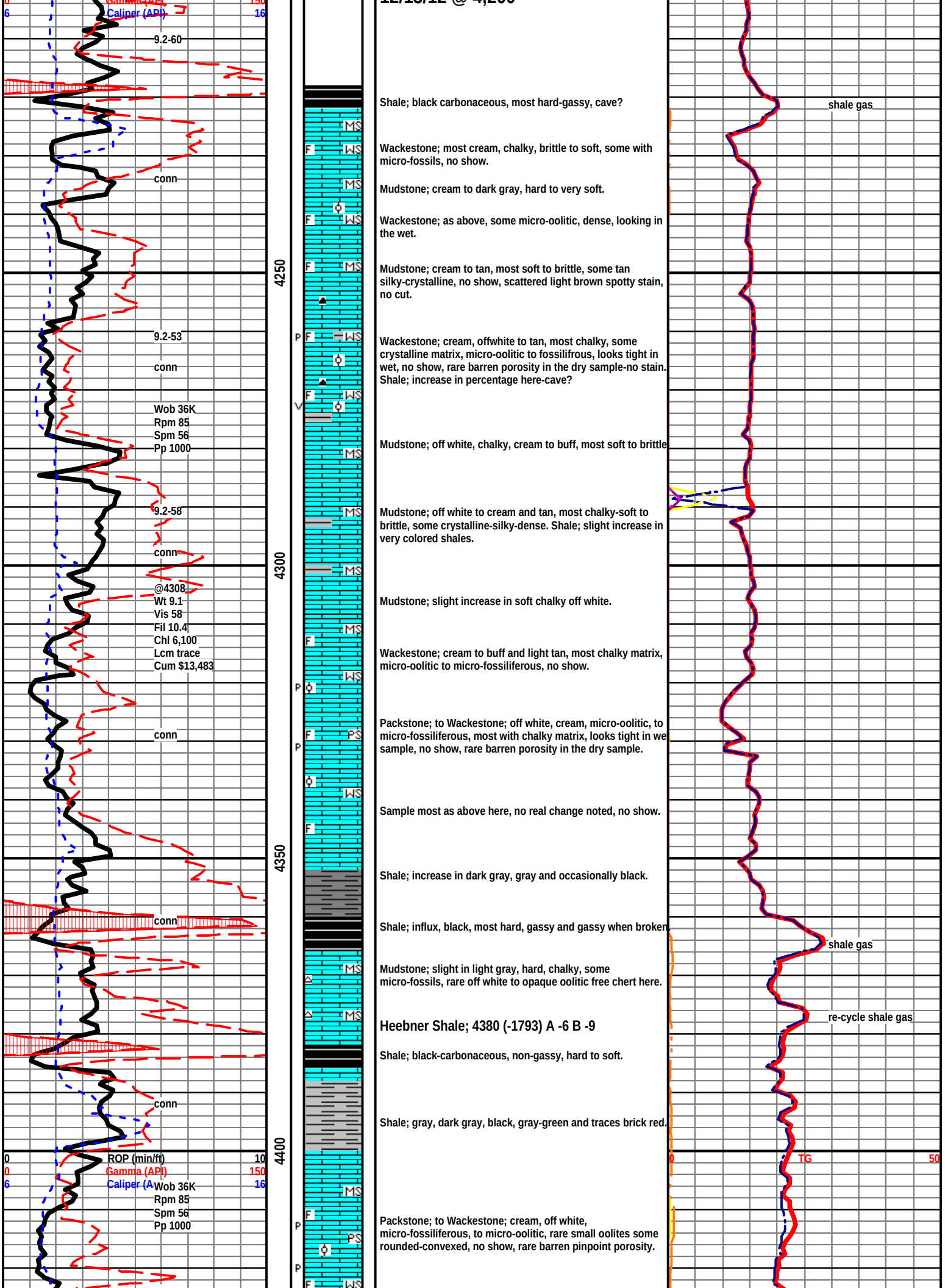
MINERAL
- Anhy
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Ferrpel
- Ferr
- Glau
- Gyp
- Marl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Chlorite
- Dol
- Sand
- Slty

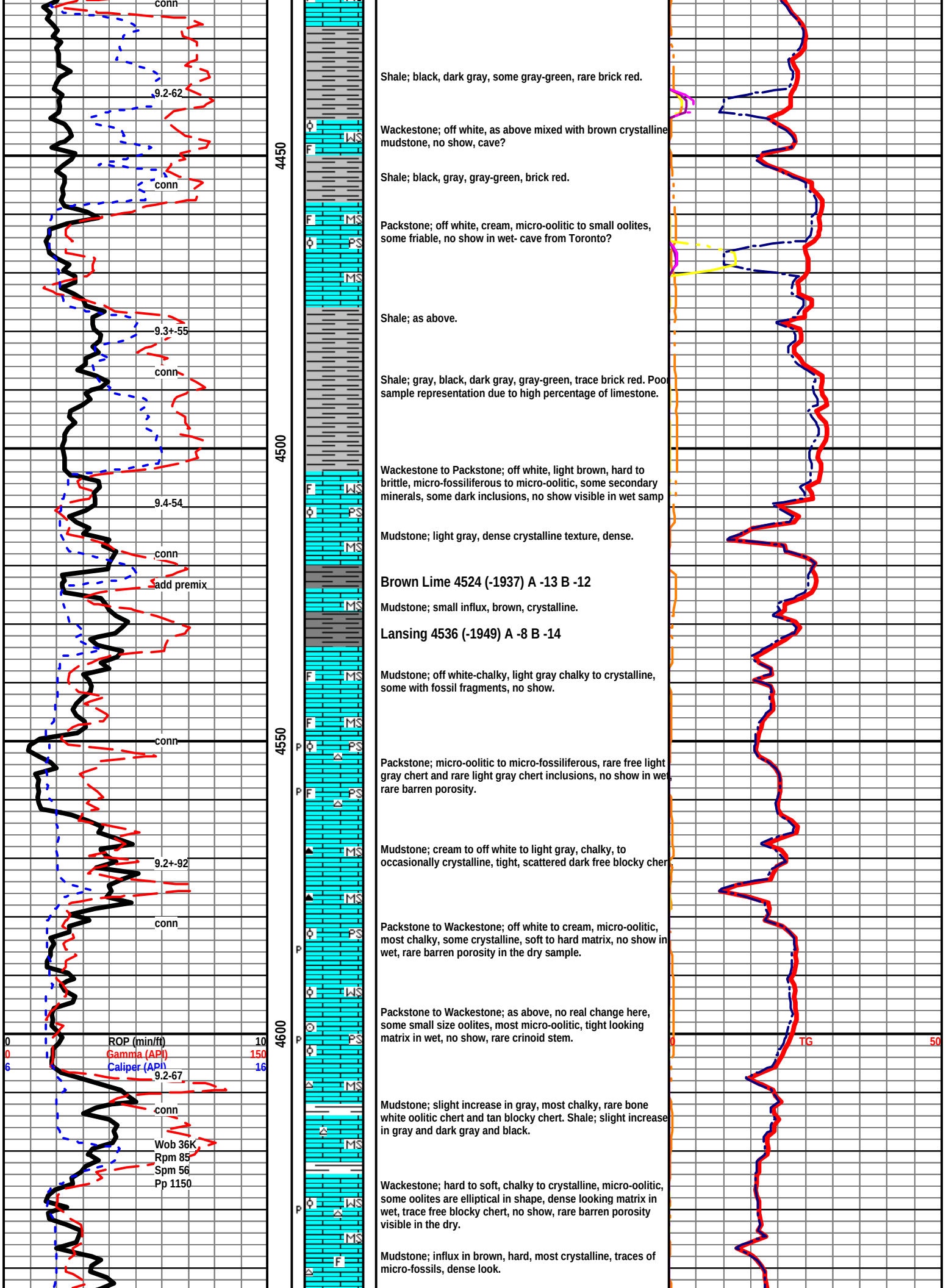
FOSSIL
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pelloidal
- Pisolite
- Plant
- Strom
- Fuss
- Oomoldic

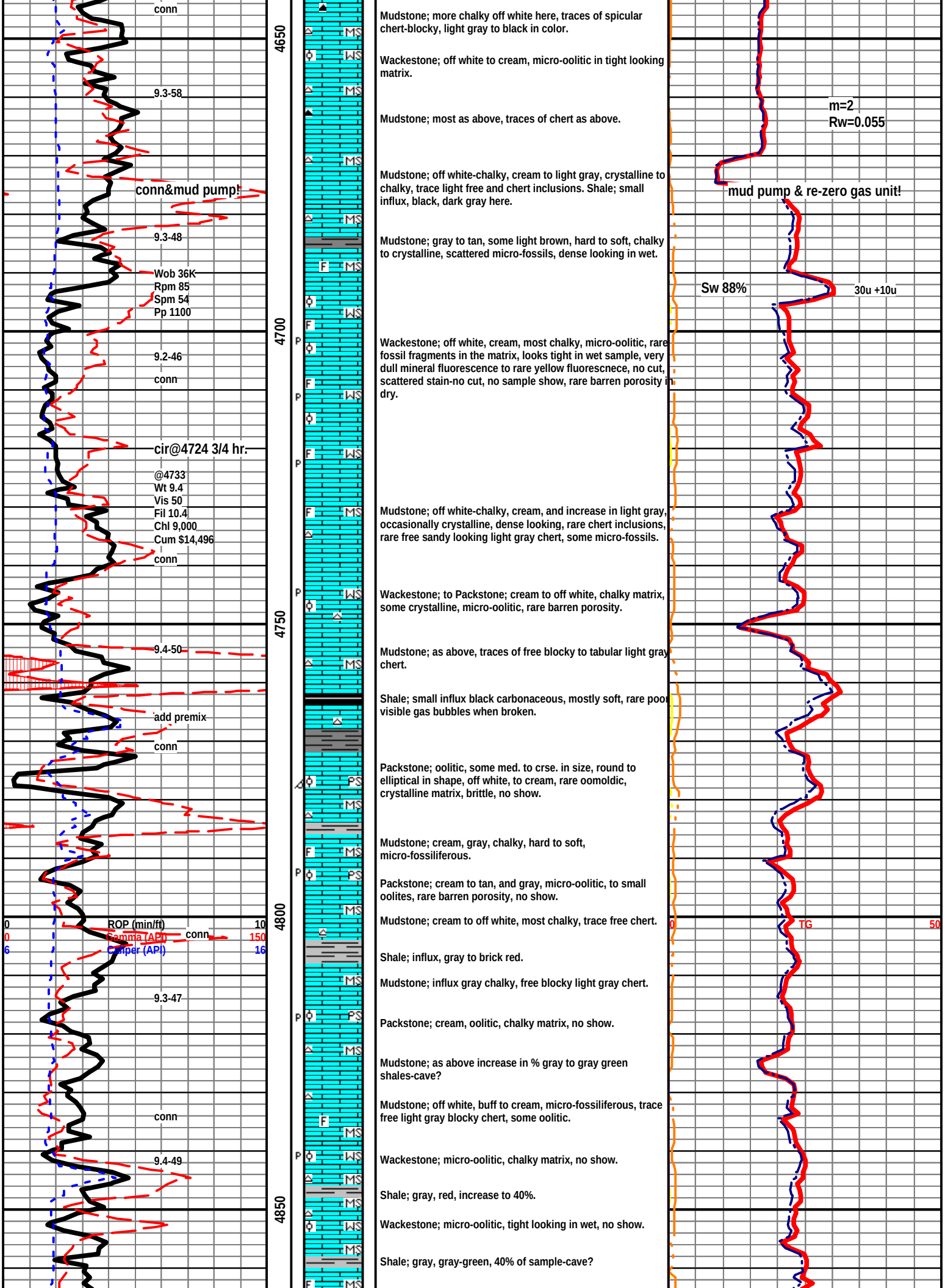
STRINGER
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

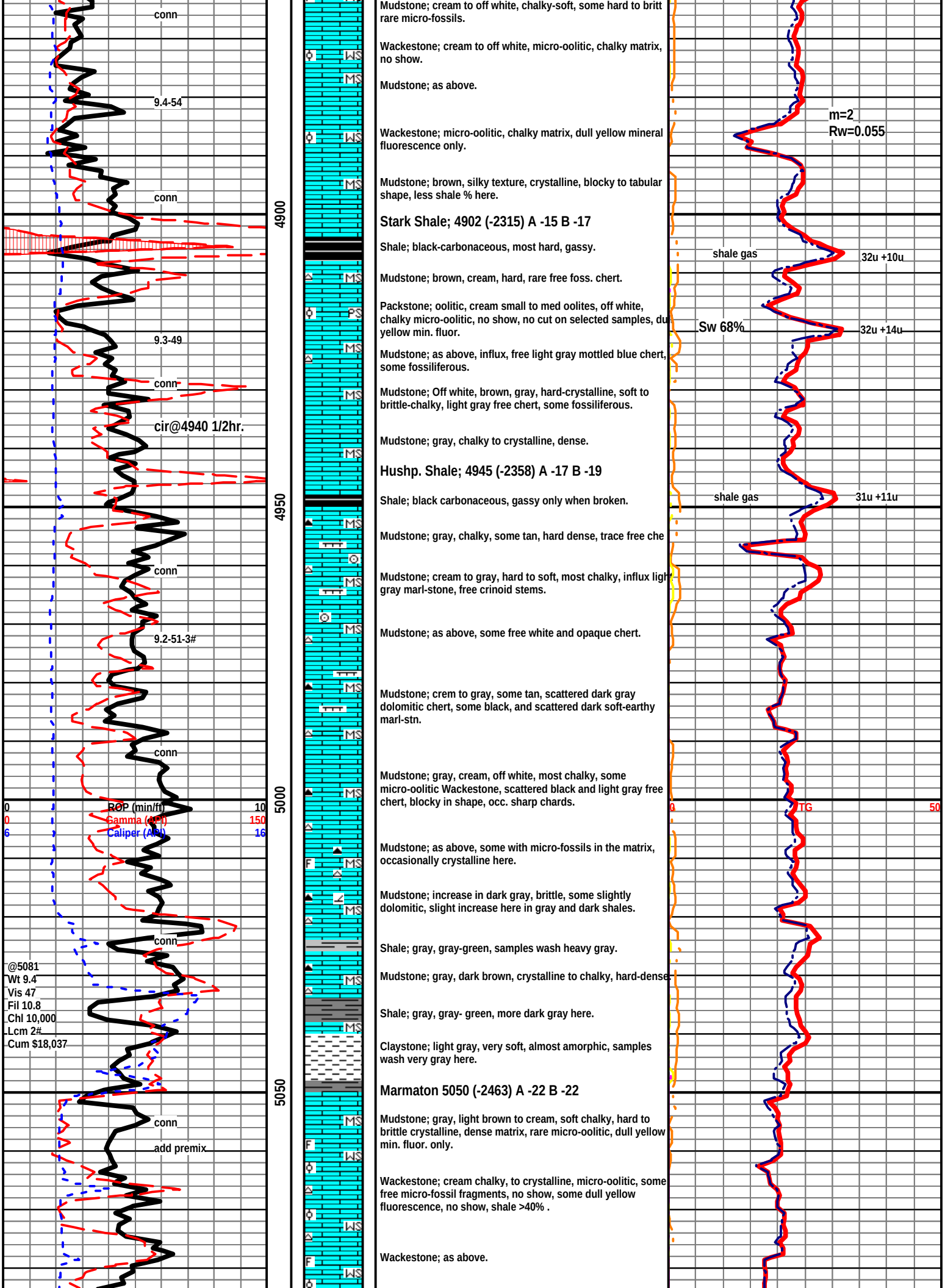
TEXTURE
- BS Boundst
- C Chalky
- CX Cryxln
- E Earthy
- FX Finexln
- GS Grainst
- L Lithogr
- MX Microxln
- MS Mudst
- PS Packst
- WS Wackest

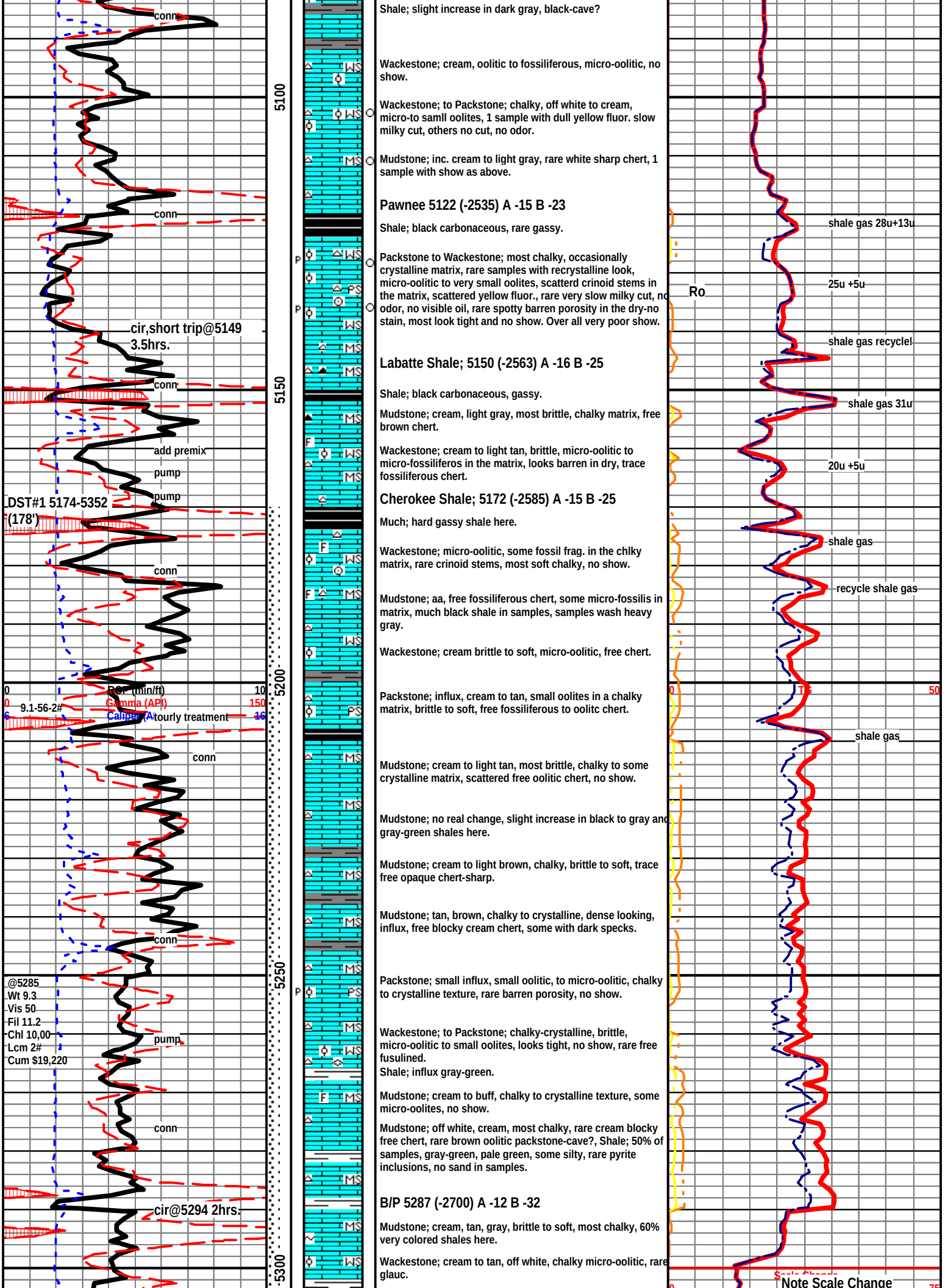


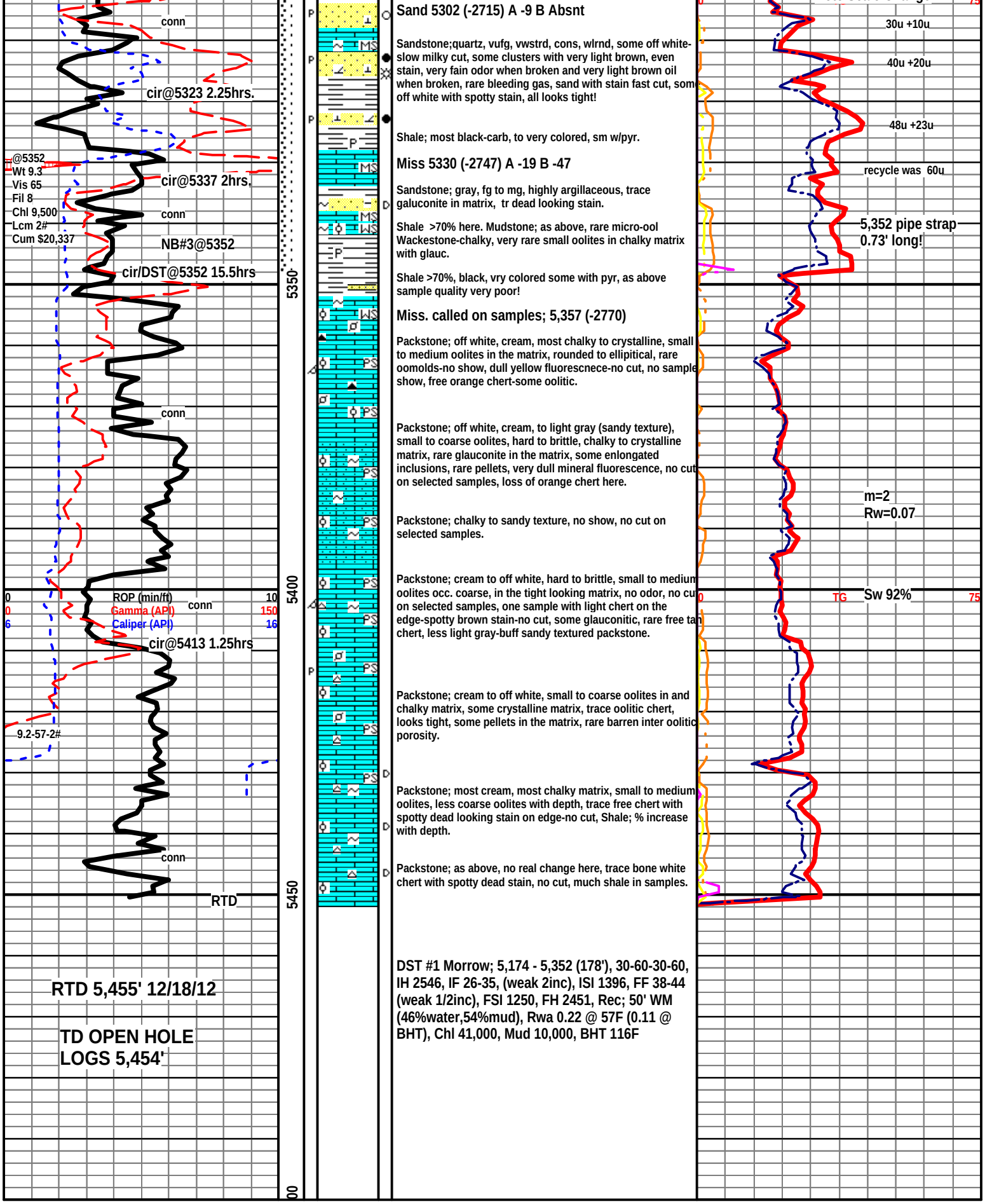

12/13/12 @ 4,200
Caliper (API)
16
9.2-60
conn
9.2-53
conn
Wob 36K
Rpm 85
Spm 56
Pp 1000
9.2-58
conn
@4308
Wt 9.1
Vis 58
Fil 10.4
Chl 6,100
Lcm trace
Cum $13,483
conn
conn
conn
ROP (min/ft)
10
Gamma (API)
150
Caliper (A
Wob 36K
Rpm 85
Spm 56
Pp 1000
4250
4300
4350
4400
Shale; black carbonaceous, most hard-gassy, cave?
shale gas
Wackestone; most cream, chalky, brittle to soft, some with micro-fossils, no show.
Mudstone; cream to dark gray, hard to very soft.
Wackestone; as above, some micro-oolitic, dense, looking in the wet.
Mudstone; cream to tan, most soft to brittle, some tan silky-crystalline, no show, scattered light brown spotty stain, no cut.
Wackestone; cream, offwhite to tan, most chalky, some crystalline matrix, micro-oolitic to fossilifrous, looks tight in wet, no show, rare barren porosity in the dry sample-no stain. Shale; increase in percentage here-cave?
Mudstone; off white, chalky, cream to buff, most soft to brittle
Mudstone; off white to cream and tan, most chalky-soft to brittle, some crystalline-silky-dense. Shale; slight increase in very colored shales.
Mudstone; slight increase in soft chalky off white.
Wackestone; cream to buff and light tan, most chalky matrix, micro-oolitic to micro-fossiliferous, no show.
Packstone; to Wackestone; off white, cream, micro-oolitic, to micro-fossiliferous, most with chalky matrix, looks tight in we sample, no show, rare barren porosity in the dry sample.
Sample most as above here, no real change noted, no show.
Shale; increase in dark gray, gray and occasionally black.
Shale; influx, black, most hard, gassy and gassy when broken
shale gas
Mudstone; slight in light gray, hard, chalky, some micro-fossils, rare off white to opaque oolitic free chert here.
re-cycle shale gas
Heebner Shale; 4380 (-1793) A -6 B -9
Shale; black-carbonaceous, non-gassy, hard to soft.
Shale; gray, dark gray, black, gray-green and traces brick red.
TG
50
Packstone; to Wackestone; cream, off white, micro-fossiliferous, to micro-oolitic, rare small oolites some rounded-convexed, no show, rare barren pinpoint porosity.


conn
9.2-62
conn
9.3+-55
conn
9.4-54
conn
add premix
conn
9.2+-92
conn
9.2-67
conn
Wob 36K
Rpm 85
Spm 56
Pp 1150
4450
4500
4550
4600
0
ROP (min/ft)
10
0
Gamma (API)
150
6
Caliper (API)
16
0
TG
50
Shale; black, dark gray, some gray-green, rare brick red.
Wackestone; off white, as above mixed with brown crystalline mudstone, no show, cave?
Shale; black, gray, gray-green, brick red.
Packstone; off white, cream, micro-oolitic to small oolites, some friable, no show in wet- cave from Toronto?
Shale; as above.
Shale; gray, black, dark gray, gray-green, trace brick red. Poo sample representation due to high percentage of limestone.
Wackestone to Packstone; off white, light brown, hard to brittle, micro-fossiliferous to micro-oolitic, some secondary minerals, some dark inclusions, no show visible in wet samp
Mudstone; light gray, dense crystalline texture, dense.
Brown Lime 4524 (-1937) A -13 B -12
Mudstone; small influx, brown, crystalline.
Lansing 4536 (-1949) A -8 B -14
Mudstone; off white-chalky, light gray chalky to crystalline, some with fossil fragments, no show.
Packstone; micro-oolitic to micro-fossiliferous, rare free light gray chert and rare light gray chert inclusions, no show in wet, rare barren porosity.
Mudstone; cream to off white to light gray, chalky, to occasionally crystalline, tight, scattered dark free blocky cher
Packstone to Wackestone; off white to cream, micro-oolitic, most chalky, some crystalline, soft to hard matrix, no show in wet, rare barren porosity in the dry sample.
Packstone to Wackestone; as above, no real change here, some small size oolites, most micro-oolitic, tight looking matrix in wet, no show, rare crinoid stem.
Mudstone; slight increase in gray, most chalky, rare bone white oolitic chert and tan blocky chert. Shale; slight increase in gray and dark gray and black.
Wackestone; hard to soft, chalky to crystalline, micro-oolitic, some oolites are elliptical in shape, dense looking matrix in wet, trace free blocky chert, no show, rare barren porosity visible in the dry.
Mudstone; influx in brown, hard, most crystalline, traces of micro-fossils, dense look.


conn
9.3-58
conn&mud pump!
9.3-48
Wob 36K
Rpm 85
Spm 54
Pp 1100
9.2-46
conn
cir@4724 3/4 hr:
@4733
Wt 9.4
Vis 50
Fil 10.4
Chl 9,000
Cum $14,496
conn
9.4-50
add premix
conn
ROP (min/ft)
Gamma (API)
Caliper (API)
conn
9.3-47
conn
9.4-49
4650
4700
4750
4800
4850
Mudstone; more chalky off white here, traces of spicular chert-blocky, light gray to black in color.
Wackestone; off white to cream, micro-oolitic in tight looking matrix.
Mudstone; most as above, traces of chert as above.
Mudstone; off white-chalky, cream to light gray, crystalline to chalky, trace light free and chert inclusions. Shale; small influx, black, dark gray here.
Mudstone; gray to tan, some light brown, hard to soft, chalky to crystalline, scattered micro-fossils, dense looking in wet.
Wackestone; off white, cream, most chalky, micro-oolitic, rare fossil fragments in the matrix, looks tight in wet sample, very dull mineral fluorescence to rare yellow fluorescnece, no cut, scattered stain-no cut, no sample show, rare barren porosity in dry.
Mudstone; off white-chalky, cream, and increase in light gray, occasionally crystalline, dense looking, rare chert inclusions, rare free sandy looking light gray chert, some micro-fossils.
Wackestone; to Packstone; cream to off white, chalky matrix, some crystalline, micro-oolitic, rare barren porosity.
Mudstone; as above, traces of free blocky to tabular light gray chert.
Shale; small influx black carbonaceous, mostly soft, rare poor visible gas bubbles when broken.
Packstone; oolitic, some med. to crse. in size, round to elliptical in shape, off white, to cream, rare oomoldic, crystalline matrix, brittle, no show.
Mudstone; cream, gray, chalky, hard to soft, micro-fossiliferous.
Packstone; cream to tan, and gray, micro-oolitic, to small oolites, rare barren porosity, no show.
Mudstone; cream to off white, most chalky, trace free chert.
Shale; influx, gray to brick red.
Mudstone; influx gray chalky, free blocky light gray chert.
Packstone; cream, oolitic, chalky matrix, no show.
Mudstone; as above increase in % gray to gray green shales-cave?
Mudstone; off white, buff to cream, micro-fossiliferous, trace free light gray blocky chert, some oolitic.
Wackestone; micro-oolitic, chalky matrix, no show.
Shale; gray, red, increase to 40%.
Wackestone; micro-oolitic, tight looking in wet, no show.
Shale; gray, gray-green, 40% of sample-cave?
m=2
Rw=0.055
mud pump & re-zero gas unit!
Sw 88%
30u +10u
0
10
0
150
6
16
0
TG
50


conn
9.4-54
conn
4900
9.3-49
conn
cir@4940 1/2hr.
4950
conn
9.2-51-3#
conn
0
ROP (min/ft)
10
0
Gamma (API)
150
6
Caliper (API)
16
5000
conn
@5081
Wt 9.4
Vis 47
Fil 10.8
Chl 10,000
Lcm 2#
Cum $18,037
5050
conn
add premix
Mudstone; cream to off white, chalky-soft, some hard to britt rare micro-fossils.
Wackestone; cream to off white, micro-oolitic, chalky matrix, no show.
Mudstone; as above.
Wackestone; micro-oolitic, chalky matrix, dull yellow mineral fluorescence only.
Mudstone; brown, silky texture, crystalline, blocky to tabular shape, less shale % here.
Stark Shale; 4902 (-2315) A -15 B -17
Shale; black-carbonaceous, most hard, gassy.
Mudstone; brown, cream, hard, rare free foss. chert.
Packstone; oolitic, cream small to med oolites, off white, chalky micro-oolitic, no show, no cut on selected samples, dull yellow min. fluor.
Mudstone; as above, influx, free light gray mottled blue chert, some fossiliferous.
Mudstone; Off white, brown, gray, hard-crystalline, soft to brittle-chalky, light gray free chert, some fossiliferous.
Mudstone; gray, chalky to crystalline, dense.
Hushp. Shale; 4945 (-2358) A -17 B -19
Shale; black carbonaceous, gassy only when broken.
Mudstone; gray, chalky, some tan, hard dense, trace free che
Mudstone; cream to gray, hard to soft, most chalky, influx ligh gray marl-stone, free crinoid stems.
Mudstone; as above, some free white and opaque chert.
Mudstone; crem to gray, some tan, scattered dark gray dolomitic chert, some black, and scattered dark soft-earthy marl-stn.
Mudstone; gray, cream, off white, most chalky, some micro-oolitic Wackestone, scattered black and light gray free chert, blocky in shape, occ. sharp chards.
Mudstone; as above, some with micro-fossils in the matrix, occasionally crystalline here.
Mudstone; increase in dark gray, brittle, some slightly dolomitic, slight increase here in gray and dark shales.
Shale; gray, gray-green, samples wash heavy gray.
Mudstone; gray, dark brown, crystalline to chalky, hard-dense
Shale; gray, gray- green, more dark gray here.
Claystone; light gray, very soft, almost amorphic, samples wash very gray here.
Marmaton 5050 (-2463) A -22 B -22
Mudstone; gray, light brown to cream, soft chalky, hard to brittle crystalline, dense matrix, rare micro-oolitic, dull yellow min. fluor. only.
Wackestone; cream chalky, to crystalline, micro-oolitic, some free micro-fossil fragments, no show, some dull yellow fluorescence, no show, shale >40% .
Wackestone; as above.
m=2
Rw=0.055
shale gas
32u +10u
Sw 68%
32u +14u
shale gas
31u +11u
0
TG
50


conn
conn
cir,short trip@5149
3.5hrs.
conn
add premix
pump
pump
DST#1 5174-5352
(178')
conn
0
ROP (min/ft)
10
0
Gamma (API)
150
9.1-56-2#
Caliper (A
tourly treatment
16
conn
conn
@5285
Wt 9.3
Vis 50
Fil 11.2
Chl 10,00
Lcm 2#
Cum $19,220
pump
conn
cir@5294 2hrs.
5100
5150
5200
5250
5300
Shale; slight increase in dark gray, black-cave?
Wackestone; cream, oolitic to fossiliferous, micro-oolitic, no show.
Wackestone; to Packstone; chalky, off white to cream, micro-to samll oolites, 1 sample with dull yellow fluor. slow milky cut, others no cut, no odor.
Mudstone; inc. cream to light gray, rare white sharp chert, 1 sample with show as above.
Pawnee 5122 (-2535) A -15 B -23
Shale; black carbonaceous, rare gassy.
Packstone to Wackestone; most chalky, occasionally crystalline matrix, rare samples with recrystalline look, micro-oolitic to very small oolites, scatterd crinoid stems in the matrix, scattered yellow fluor., rare very slow milky cut, no odor, no visible oil, rare spotty barren porosity in the dry-no stain, most look tight and no show. Over all very poor show.
Labatte Shale; 5150 (-2563) A -16 B -25
Shale; black carbonaceous, gassy.
Mudstone; cream, light gray, most brittle, chalky matrix, free brown chert.
Wackestone; cream to light tan, brittle, micro-oolitic to micro-fossiliferos in the matrix, looks barren in dry, trace fossiliferous chert.
Cherokee Shale; 5172 (-2585) A -15 B -25
Much; hard gassy shale here.
Wackestone; micro-oolitic, some fossil frag. in the chlky matrix, rare crinoid stems, most soft chalky, no show.
Mudstone; aa, free fossiliferous chert, some micro-fossilis in matrix, much black shale in samples, samples wash heavy gray.
Wackestone; cream brittle to soft, micro-oolitic, free chert.
Packstone; influx, cream to tan, small oolites in a chalky matrix, brittle to soft, free fossiliferous to oolitc chert.
Mudstone; cream to light tan, most brittle, chalky to some crystalline matrix, scattered free oolitic chert, no show.
Mudstone; no real change, slight increase in black to gray and gray-green shales here.
Mudstone; cream to light brown, chalky, brittle to soft, trace free opaque chert-sharp.
Mudstone; tan, brown, chalky to crystalline, dense looking, influx, free blocky cream chert, some with dark specks.
Packstone; small influx, small oolitic, to micro-oolitic, chalky to crystalline texture, rare barren porosity, no show.
Wackestone; to Packstone; chalky-crystalline, brittle, micro-oolitic to small oolites, looks tight, no show, rare free fusulined.
Shale; influx gray-green.
Mudstone; cream to buff, chalky to crystalline texture, some micro-oolites, no show.
Mudstone; off white, cream, most chalky, rare cream blocky free chert, rare brown oolitic packstone-cave?, Shale; 50% of samples, gray-green, pale green, some silty, rare pyrite inclusions, no sand in samples.
B/P 5287 (-2700) A -12 B -32
Mudstone; cream, tan, gray, brittle to soft, most chalky, 60% very colored shales here.
Wackestone; cream to tan, off white, chalky micro-oolitic, rare glauc.
shale gas 28u+13u
Ro
25u +5u
shale gas recycle!
shale gas 31u
20u +5u
shale gas
recycle shale gas
0
TG
50
shale gas
Note Scale Change


conn
cir@5323 2.25hrs.
@5352
Wt 9.3
Vis 65
Fil 8
Chl 9,500
Lcm 2#
Cum $20,337
cir@5337 2hrs.
conn
NB#3@5352
cir/DST@5352 15.5hrs
conn
0
ROP (min/ft)
10
0
Gamma (API)
150
6
Caliper (API)
16
conn
cir@5413 1.25hrs
9.2-57-2#
conn
RTD
RTD 5,455' 12/18/12
TD OPEN HOLE
LOGS 5,454'
5350
5400
5450
Sand 5302 (-2715) A -9 B Absnt
Sandstone;quartz, vufg, vwstrd, cons, wlrnd, some off white-slow milky cut, some clusters with very light brown, even stain, very fain odor when broken and very light brown oil when broken, rare bleeding gas, sand with stain fast cut, som off white with spotty stain, all looks tight!
Shale; most black-carb, to very colored, sm w/pyr.
Miss 5330 (-2747) A -19 B -47
Sandstone; gray, fg to mg, highly argillaceous, trace galuconite in matrix, tr dead looking stain.
Shale >70% here. Mudstone; as above, rare micro-ool Wackestone-chalky, very rare small oolites in chalky matrix with glauc.
Shale >70%, black, vry colored some with pyr, as above sample quality very poor!
Miss. called on samples; 5,357 (-2770)
Packstone; off white, cream, most chalky to crystalline, small to medium oolites in the matrix, rounded to ellipitical, rare oomolds-no show, dull yellow fluorescnece-no cut, no sample show, free orange chert-some oolitic.
Packstone; off white, cream, to light gray (sandy texture), small to coarse oolites, hard to brittle, chalky to crystalline matrix, rare glauconite in the matrix, some enlongated inclusions, rare pellets, very dull mineral fluorescence, no cut on selected samples, loss of orange chert here.
Packstone; chalky to sandy texture, no show, no cut on selected samples.
Packstone; cream to off white, hard to brittle, small to medium oolites occ. coarse, in the tight looking matrix, no odor, no cut on selected samples, one sample with light chert on the edge-spotty brown stain-no cut, some glauconitic, rare free tan chert, less light gray-buff sandy textured packstone.
Packstone; cream to off white, small to coarse oolites in and chalky matrix, some crystalline matrix, trace oolitic chert, looks tight, some pellets in the matrix, rare barren inter oolitic porosity.
Packstone; most cream, most chalky matrix, small to medium oolites, less coarse oolites with depth, trace free chert with spotty dead looking stain on edge-no cut, Shale; % increase with depth.
Packstone; as above, no real change here, trace bone white chert with spotty dead stain, no cut, much shale in samples.
DST #1 Morrow; 5,174 - 5,352 (178'), 30-60-30-60, IH 2546, IF 26-35, (weak 2inc), ISI 1396, FF 38-44 (weak 1/2inc), FSI 1250, FH 2451, Rec; 50' WM (46%water,54%mud), Rwa 0.22 @ 57F (0.11 @ BHT), Chl 41,000, Mud 10,000, BHT 116F
30u +10u
40u +20u
48u +23u
recycle was 60u
5,352 pipe strap
0.73' long!
m=2
Rw=0.07
0
TG
Sw 92%
75

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 04, 2013

M.L. Korphage
Vincent Oil Corporation
155 N MARKET STE 700
WICHITA, KS 67202-1821

Re: ACO1
API 15-057-20863-00-00
Irons 1-31
NW/4 Sec.31-29S-24W
Ford 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,
M.L. Korphage