Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1243961

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: MV Purchasing LLC

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 #:

10/29/2014 Spud Date or Recompletion Date
11/02/2014 Date Reached TD
1/7/2015 Completion Date or Recompletion Date

API No. 15 - 15-057-20951-00-00
Spot Description:
SW NE SE NE Sec. 8 Twp. 29 S. R. 22 ☐ East ☑ West
1710 Feet from ☑ North / ☐ South Line of Section
340 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: Feikert Farms Well #: 4-8
Field Name: Kingsdown NW
Producing Formation: Mississippian
Elevation: Ground: 2500 Kelly Bushing: 2510
Total Vertical Depth: 5400 Plug Back Total Depth: 5396
Amount of Surface Pipe Set and Cemented at: 694 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: 17300 ppm Fluid volume: 900 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Edison Operating Co LLc
Lease Name: Williams 9-15 License #: 34434
Quarter SE Sec. 9 Twp. 29 S. R. 22 ☐ East ☑ West
County: Ford Permit #: D31,354

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: 02/26/2015
☑ **Confidential Release Date:** 02/25/2017
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 02/27/2015

[redacted]

1243961

Operator Name: Vincent Oil Corporation Lease Name: Feikert Farms Well #: 4-8

Sec. 8 Twp. 29 S. R. 22 ☐ 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
Conductor	17.5	13.375	54	253	Common	235	2% Gel, 3% CC & 1/4# Flo-seal/sx
Surface	12.25	8.6250	23	694	MDC & Common	300	0-2% Gel, 3% CC & 1/4# Flo-seal/sx
Production	7.8750	4.5	11.6	5396	Pro-C	175	5# Kol-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
4	5260 to 5267	Ran tubing, Acidized w/ 1000 gal 15% MCA,	
		swabbed for 5 hrs final rate 14 bbl/hr (20% Oil),SDFN	
		SICP 200#, SITP 100#, swabbed 6 hrs , final rate 12 bbl (70% Oil), SDFN,	
		SICP 750#, SITP 5#, Swabbed with final rate 11.5 bbls (75% Oil), ran rods & DHP,	
		Set surface equipment and turned to prod. IP 33 BOPD + 5 BWPD	

TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
2.3750	5267		☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR.	Producing Method:
1/7/2015	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	33		5		

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)*	5260' - 5267'

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Feikert Farms 4-8
Doc ID	1243961

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Feikert Farms 4-8
Doc ID	1243961

Tops

Name	Top	Datum
Heebner Shale	4383	(-1873)
Brown Limestone	4539	(-2029)
Lansing	4553	(-2043)
Stark Shale	4885	(-2375)
Pawnee	5088	(-2578)
Cherokee Shale	5135	(-2625)
Base Penn Limestone	5229	(-2719)
Mississippian	5253	(-2743)
RTD	5400	(-2890)

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Feikert Farms 4-8
Doc ID	1243961

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.5	13.375	54	253	Common	235	2% Gel, 3% CC & 1/4# Flo-seal/sx
Surface	12.25	8.6250	23	694	MDC & Common	300	0-2% Gel, 3% CC & 1/4# Flo-seal/sx
Production	7.8750	4.5	11.6	5396	Pro-C	175	5# Kol-seal/sx

QUALITY WELL SERVICE, INC.

6266

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410
Fax 620-672-3663

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

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-30-14	08	29s	22w	Ford	KS	230AM	800AM

Lease Feikert Farm Well No. 4-8 Location Kingsdown 1½ E, 1N, w/into

Contractor Val Owner Vincent

Type Job Water String - Conductor

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	17½	T.D.	
Csg.	13 3/8	Depth	253'
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.	~~20~~ 10'	Shoe Joint	N/A
Meas Line		Displace	38 BBls

Charge To Vincent

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 200 sx A + 2% gel + 3% cc + ¼# Flosea/ & 35 sx

EQUIPMENT

Pumptrk 8	No.	Mike B
Bulktrk 7	No.	Sean P
Bulktrk	No.	
Pickup	No.	David F David B

JOB SERVICES & REMARKS

Pipe on B Hm, Break Circ., Pump Spacer, Mix 200 sx cement, Start Disp. w/ Fresh H2O, Washup truck, See increase in PSI, Slow Rate, Stop Pump at 38 BBls at 445 Am, cement Did not Circ., top off w/ 35 sx,

Tagged cement @ 25 ft

Common	235
Poz. Mix	
Gel.	4
Calcium	7
Hulls	
Salt	
Flowseal	50
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	211
Mileage	50

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	LMV 50
	Service Supervisor
Pumptrk Charge	Conductor
Mileage	50 x 2
Tax	
Discount	
Total Charge	

X
Signature

Taylor Printing, Inc.

QUALITY WELL SERVICE, INC.

6267

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410
Fax 620-672-3663

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

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-3-14	08	29s	22w	Ford	KS	2:00AM	5:30AM

Lease Feiken Farms Well No. 4-8 Location Kingsdown 1½ E, ¾N, W into

Contractor Val #2 Owner Vincent

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 12¼	T.D. 700'
Csg. 8⅝ 24#	Depth 699
Tbg. Size	Depth
Tool	Depth
Cement Left in Csg. 43'	Shoe Joint 42.60
Meas Line	Displace 42 BBls Fresh

Charge To Vincent

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 125 sx MDC + 3% cc + ¼# Floseal & 175 sx class A + 2% gel + 3% cc + ¼# Floseal

EQUIPMENT

Pumptrk 8	No.	Mike D
Bulktrk 9	No.	David B
Bulktrk 10	No.	Sean P
Pickup	No.	David F.

JOB SERVICES & REMARKS

Pipe on Bttm, Break Circ., Pump Spacer, Mix 125 sx light Weight, Mix 175 sx tail cement, Stop, Release Plug Start Disp. w/ Fresh H²O, Wash up on Plug, See Steady increase in PSI, Slow Rate, Bump Plug at 42 BBls total Disp Shut in, Cement Did Circ.

Note talked with Rick. Said Lost 50bbls fluid thought we should Run More cement

X Signature Rick Smith

Common	175
~~Poz-Mix~~	MDC 125
Gel.	11
Calcium	12
Hulls	
Salt	
Flowseal	73.75
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	323
Mileage	50

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	1-8⅝ Baffle Plate
Float Shoe	
Latch Down	1-8⅝ Wooden Cup Plug
LMV 50	
Service Supervision	
Pumptrk Charge	Surface
Mileage	50 x 2
Tax	
Discount	
Total Charge	

Taylor Printing, Inc.

QUALITY WELL SERVICE, INC.

6272

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410
Fax 620-672-3663

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

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 11 10 14	08	29s	22w	Ford	KS	8:00 Am	2:30 PM

Lease Feikert Farms | Well No. 4-8 | Location Kingsdown 1½s, 2w, w/ to.

Contractor Val #2 | Owner Vincent

Type Job Production | 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 7⅞ | T.D. 5400'

Csg. 4½ 11.6# | Depth 5400' 5396 | Charge To Vincent

Tbg. Size | Depth | Street

Tool | Depth | City State

Cement Left in Csg. | Shoe Joint 20' | The above was done to satisfaction and supervision of owner agent or contractor.

Meas Line | Displace 84 BBls 2% KCL | Cement Amount Ordered 225sx Pro C w/10% salt + .25% Gas Block

EQUIPMENT

Pumptrk 8	No. Mike B	
Bulktrk 10	No. Dustin C	
Bulktrk	No.	
Pickup	No. David F.	

JOB SERVICES & REMARKS

Rat Hole 30sx

Mouse Hole 20sx

Centralizers

Baskets

D/V or Port Collar

Pipe on Bttm, Break Circ., Pump Pre flush, Plug Rat & Mouse holes w/ 50sx cement, Mix 175sx cement, Stop, wash truck, Release Plug, Start Disp. w/ 2% KCL water, see increase in PSI at 60 BBls, Slow Rate, Bump Plug at 84 BBls total Seen 600 PSI to 1100 PSI Release PSI Float Held

Common	
Poz. Mix	
Gel. 4	
Calcium	
Hulls	
Salt 24	
Flowseal	
Kol-Seal 1125#	
Mud CLR 48 500 Gal Mud Flush	
CFL-117 or CD110 CAF 38 C-44 Gas Block	53#
Sand CC-1 8 Gal	
Handling 253	
Mileage 50	

FLOAT EQUIPMENT

Guide Shoe 1 - 4½	
Centralizer 6 - 4½	
Baskets	
AFU Inserts 1 - 4½	
Float Shoe	
Latch Down 1 Additional Hr.	250.00
TRP - 1 - 4½	
Service Supervisor	
Pumptrk Charge Long string	
Mileage 50 x 2	
Tax	
Discount	
Total Charge	

X Signature

Taylor Printing, Inc.

DRILL STEM TEST REPORT

Vicent Oil Corporation

155 N Market Suite 700
Wichita, Ks. 67202

ATTN: Jim Hall

8-29s-22w Ford Co., Ks.

Feikert Farms 4-8

Job Ticket: 57793 **DST#: 1**

Test Start: 2014.11.07 @ 00:36:24

GENERAL INFORMATION:

Formation: **Chert**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 04:23:39
Time Test Ended: 10:38:09

Test Type: Conventional Bottom Hole (Initial)
Tester: Matt Smith
Unit No: 53

Interval: 5228.00 ft (KB) To 5254.00 ft (KB) (TVD)
Total Depth: 5254.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

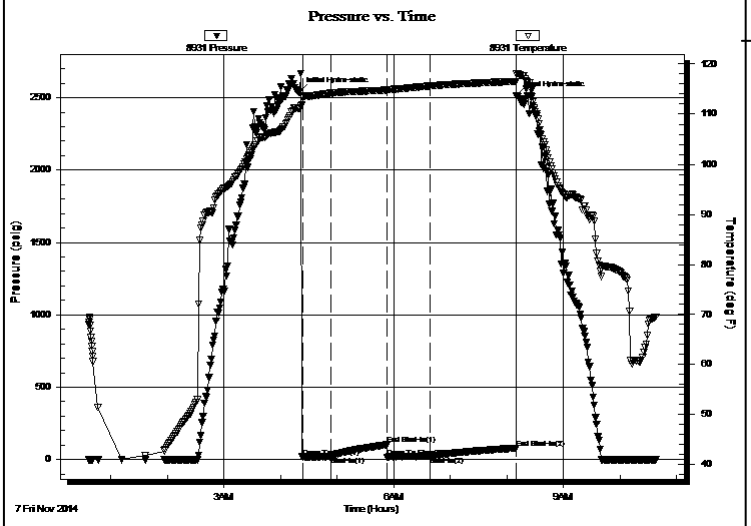
Reference Elevations: 2510.00 ft (KB)
2500.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8931 **Inside**

Press@RunDepth: 21.87 psig @ 5229.00 ft (KB)
Start Date: 2014.11.07 End Date: 2014.11.07
Start Time: 00:36:29 End Time: 10:38:09

Capacity: 8000.00 psig
Last Calib.: 2014.11.07
Time On Btm: 2014.11.07 @ 04:20:24
Time Off Btm: 2014.11.07 @ 08:10:24

TEST COMMENT: IF: Strong blow . B.O.B. in 3 mins. Dying back to Fair - Strong.
ISI: No blow . 3 mins to bleed off.
FF: Fair blow . Surf., - 6".
FSI: No blow . 1 1/2 mins. to bleed off.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2544.67	111.11	Initial Hydro-static
4	15.24	113.17	Open To Flow (1)
33	19.43	114.18	Shut-In(1)
92	102.09	114.80	End Shut-In(1)
93	17.51	114.85	Open To Flow (2)
139	21.87	115.63	Shut-In(2)
230	79.39	116.57	End Shut-In(2)
230	2513.31	118.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	GOCM 1%g 1%o 98%m	0.28
0.00	434' G.I.P. 100%g	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Vicent Oil Corporation

155 N Market Suite 700
Wichita, Ks. 67202

ATTN: Jim Hall

8-29s-22w Ford Co., Ks.

Feikert Farms 4-8

Job Ticket: 57793 **DST#: 1**

Test Start: 2014.11.07 @ 00:36:24

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:	8000 ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	GOCM 1%g 1%o 98%m	0.281
0.00	434' G.I.P. 100%g	0.000

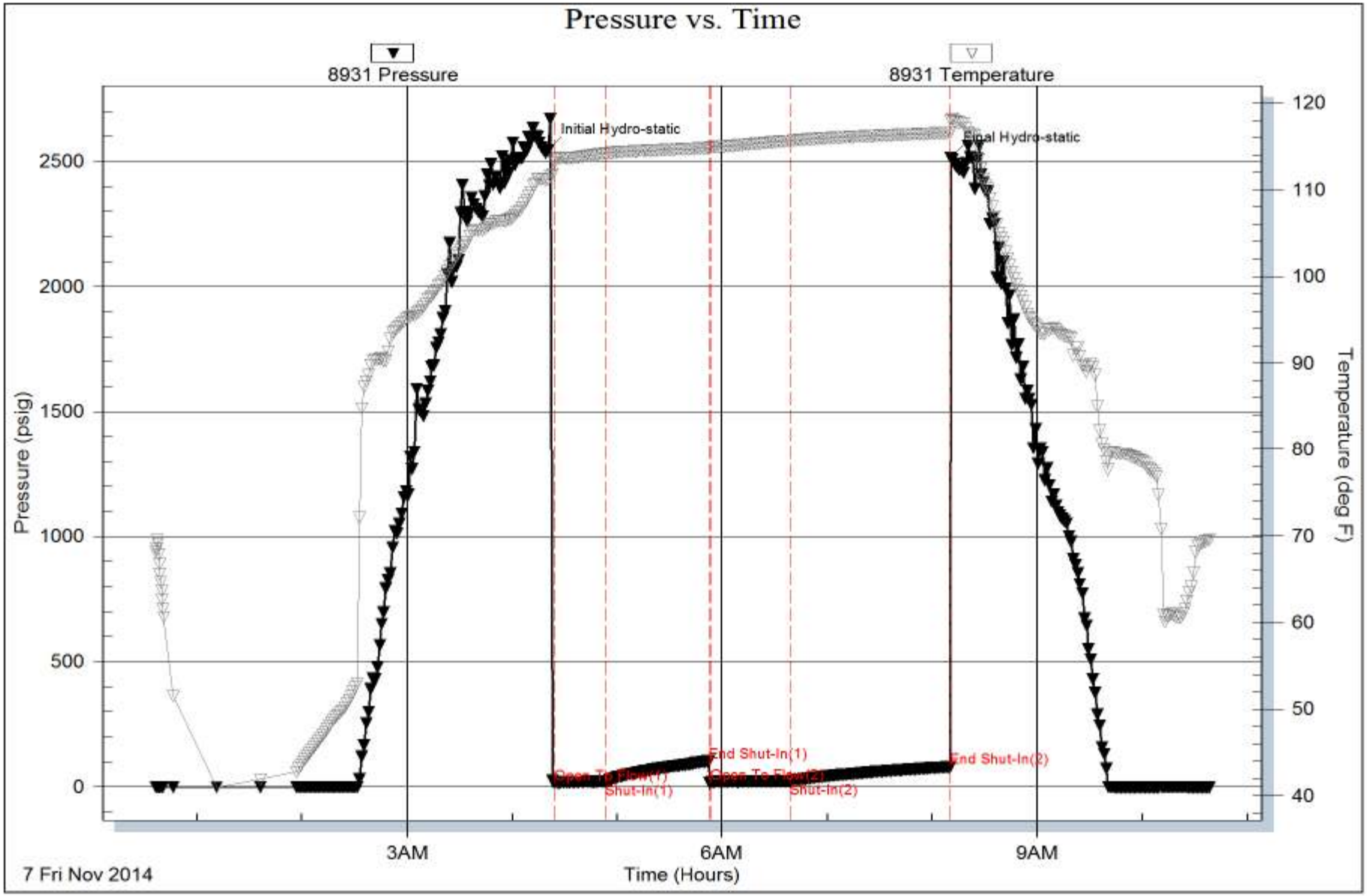
Total Length: 20.00 ft Total Volume: 0.281 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8931 **Inside** Vicent Oil Corporation Feikert Farms 4-8 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 57793 Printed: 2014.11.07 @ 11:15:39

DRILL STEM TEST REPORT

Vicent Oil Corporation

155 N Market Suite 700
Wichita, Ks. 67202

ATTN: Jim Hall

8-29s-22w Ford Co., Ks.

Feikert Farms 4-8

Job Ticket: 57794 **DST#: 2**

Test Start: 2014.11.07 @ 19:07:39

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 22:01:54
Time Test Ended: 06:38:39

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 53

Interval: 5226.00 ft (KB) To 5277.00 ft (KB) (TVD)
Total Depth: 5277.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

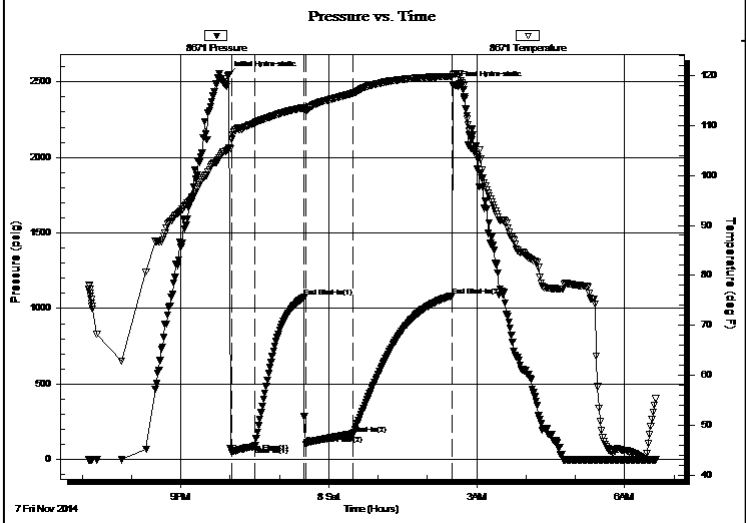
Reference Elevations: 2510.00 ft (KB)
2500.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8671 **Outside**

Press@RunDepth: 171.02 psig @ 5227.00 ft (KB)
Start Date: 2014.11.07 End Date: 2014.11.08
Start Time: 19:07:44 End Time: 06:38:39

Capacity: 8000.00 psig
Last Calib.: 2014.11.08
Time On Btm: 2014.11.07 @ 21:57:09
Time Off Btm: 2014.11.08 @ 02:31:39

TEST COMMENT: IF: Strong blow . B.O.B. in 1 1/2 mins.
ISI: No blow . Bleed off in 6 mins.
FF: Strong blow B.O.B. immediate. G.T.S. in 34 mins. Gauged gas see gas report.
Weak blow . Surf., - 1/4:. In 40 mins. 10 mins to bleed off.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2539.73	105.11	Initial Hydro-static
5	47.56	107.35	Open To Flow (1)
33	87.52	110.47	Shut-In(1)
93	1074.48	113.58	End Shut-In(1)
95	102.57	113.05	Open To Flow (2)
153	171.02	116.46	Shut-In(2)
274	1085.03	119.85	End Shut-In(2)
275	2476.96	120.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GWOCM 155w 18%g 25%o 42%m	0.87
62.00	WOGCM 21%w 22%o 27%g 30%m	0.87
62.00	WGOCM 13%w 17%g 30%o 40%m	0.87
62.00	WGOCM 15%w 20%g 30%o 35%m	0.87
62.00	GOCM 15%g 25%o 60%m	0.87
45.00	GOCM 1%o 3%g 96%m	0.63

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	6.00	7.63
Last Gas Rate	0.13	6.50	7.82
Max. Gas Rate	0.13	6.50	7.82

DRILL STEM TEST REPORT

FLUID SUMMARY

Vicent Oil Corporation

155 N Market Suite 700
Wichita, Ks. 67202

ATTN: Jim Hall

8-29s-22w Ford Co., Ks.

Feikert Farms 4-8

Job Ticket: 57794 **DST#: 2**

Test Start: 2014.11.07 @ 19:07:39

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:	8000 ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GWOCM 155w 18%g 25%o 42%m	0.870
62.00	WOGCM 21%w 22%o 27%g 30%m	0.870
62.00	WGOCM 13%w 17%g 30%o 40%m	0.870
62.00	WGOCM 15%w 20%g 30%o 35%m	0.870
62.00	GOCM 15%g 25%o 60%m	0.870
45.00	GOCM 1%o 3%g 96%m	0.631
0.00	G.I.P. G.T.S. 100%g	0.000

Total Length: 355.00 ft Total Volume: 4.981 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: MAS Pratt

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: G.T.S. Gauged gas see gas report.

DRILL STEM TEST REPORT

GAS RATES

Vicent Oil Corporation

155 N Market Suite 700
Wichita, Ks. 67202

ATTN: Jim Hall

8-29s-22w Ford Co., Ks.

Feikert Farms 4-8

Job Ticket: 57794 **DST#: 2**

Test Start: 2014.11.07 @ 19:07:39

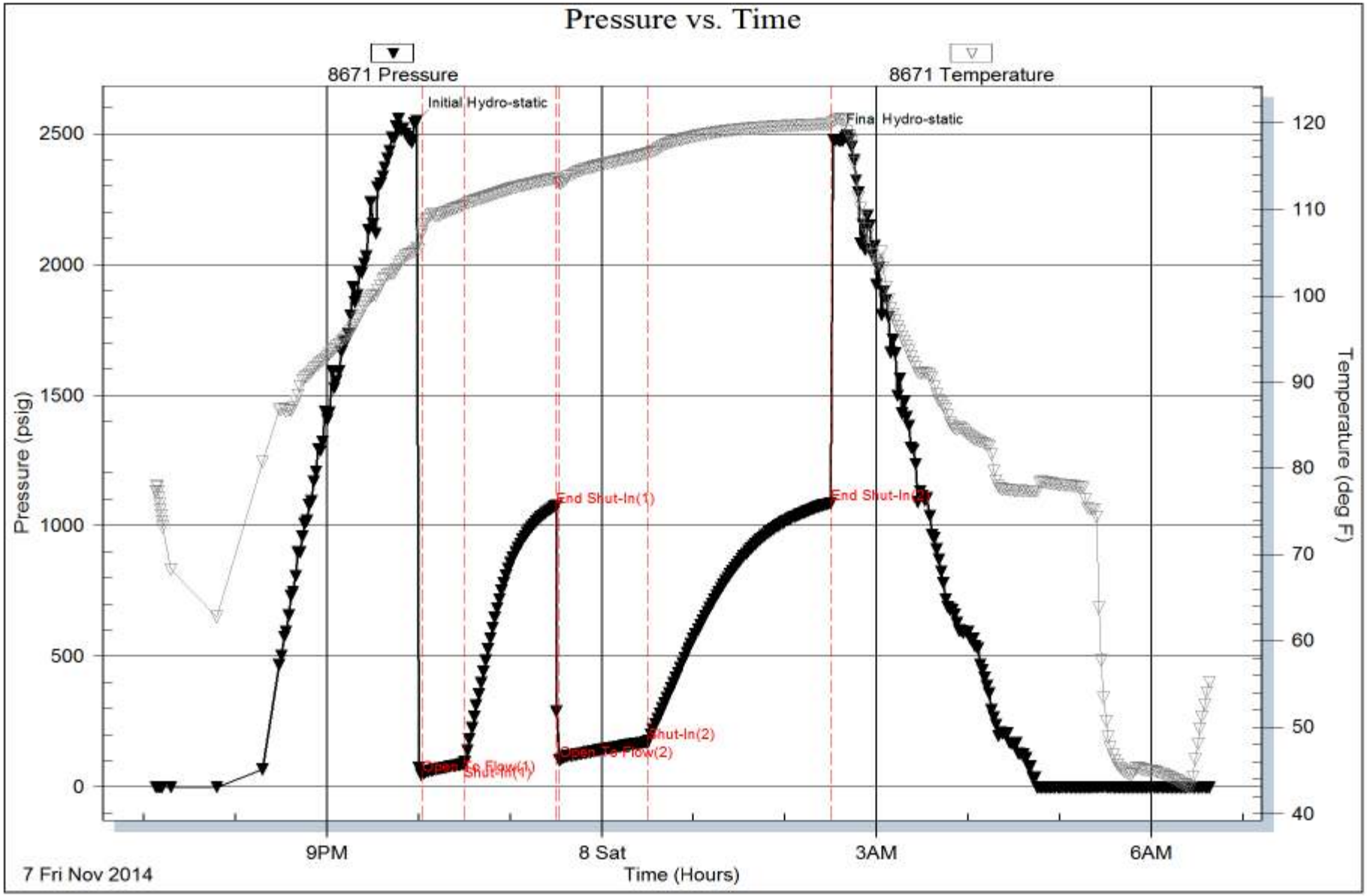
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	40	0.13	6.00	7.63
2	50	0.13	6.50	7.82
2	60	0.13	6.50	7.82

Serial #: 8671 **Outside** Vicent Oil Corporation Feikert Farms 4-8 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 57794 Printed: 2014.11.08 @ 09:42:07

DRILL STEM TEST REPORT

Vicent Oil Corporation

155 N Market Suite 700
Wichita, Ks. 67202

ATTN: Jim Hall

8-29s-22w Ford Co., Ks.

Feikert Farms 4-8

Job Ticket: 57795 **DST#: 3**

Test Start: 2014.11.08 @ 14:56:29

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 18:06:44
Time Test Ended: 04:20:59

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 53

Interval: 5260.00 ft (KB) To 5316.00 ft (KB) (TVD)
Total Depth: 5316.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

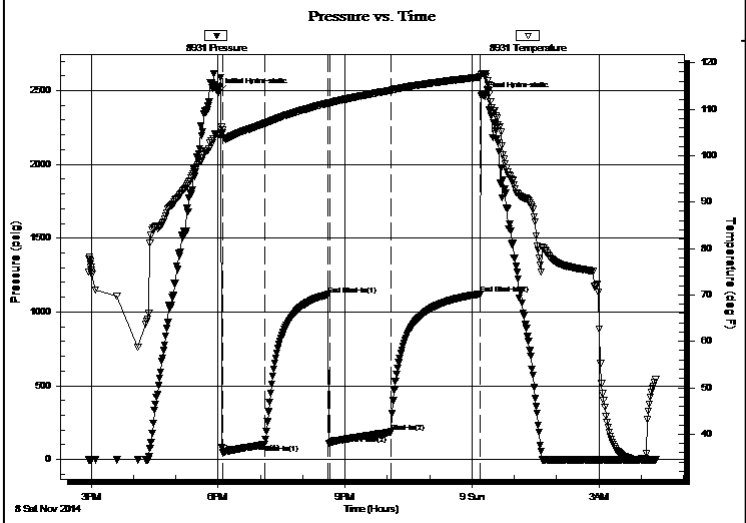
Reference Elevations: 2510.00 ft (KB)
2500.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8931 **Inside**

Press@RunDepth: 185.59 psig @ 5261.00 ft (KB)
Start Date: 2014.11.08 End Date: 2014.11.09
Start Time: 14:56:34 End Time: 04:20:59

Capacity: 8000.00 psig
Last Calib.: 2014.11.09
Time On Btm: 2014.11.08 @ 18:00:59
Time Off Btm: 2014.11.09 @ 00:12:59

TEST COMMENT: IF: Strong blow . B.O.B. in 50 secs.
ISI: Fair blow . Surf., - 5 1/2". Bleed off for 10 mins.
FF: Strong blow . B.O.B. immediate. G.T.S., in 57 mins. Gauged gas, see gas report.
FSI: Strong blow . B.O.B. in 55 mins. Bleed off for 15 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2485.41	104.57	Initial Hydro-static
6	46.16	105.50	Open To Flow (1)
65	101.47	106.89	Shut-In(1)
155	1117.53	111.29	End Shut-In(1)
157	105.31	111.21	Open To Flow (2)
245	185.59	114.05	Shut-In(2)
370	1121.12	116.90	End Shut-In(2)
372	2462.61	117.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOMCW 1%g 1%o 2%m 96%w	0.87
62.00	MCW 2%m 98%w	0.87
62.00	MCWOG 10%m 20%w 32%o 38%g	0.87
62.00	WGMCO 15%w 22%g 25%m 38%o	0.87
62.00	WMCOG 14%w 15%m 35%o 36%g	0.87
52.00	WGOCM 1%w 10%g 19%o 70%m	0.73

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	6.51
Last Gas Rate	0.13	5.00	7.26
Max. Gas Rate	0.13	5.00	7.26

DRILL STEM TEST REPORT

FLUID SUMMARY

Vicent Oil Corporation

155 N Market Suite 700
Wichita, Ks. 67202

ATTN: Jim Hall

8-29s-22w Ford Co., Ks.

Feikert Farms 4-8

Job Ticket: 57795 **DST#: 3**

Test Start: 2014.11.08 @ 14:56:29

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:	86000 ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8500.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GOMCW 1%g 1%o 2%m 96%w	0.870
62.00	MCW 2%m 98%w	0.870
62.00	MCWOG 10%m 20%w 32%o 38%g	0.870
62.00	WGMCO 15%w 22%g 25%m 38%o	0.870
62.00	WMCOG 14%w 15%m 35%o 36%g	0.870
52.00	WGOCM 1%w 10%g 19%o 70%m	0.729
0.00	G.I.P. G.T.S. 100%g	0.000
0.00	RW is .16 @ 40 = 86000 chorides	0.000

Total Length: 362.00 ft Total Volume: 5.079 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: MAS Pratt

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: RW is .16 @ 40 degrees = 86000 chorides. Too frothy of gassy oil to get gravity.

DRILL STEM TEST REPORT

GAS RATES

Vicent Oil Corporation

155 N Market Suite 700
Wichita, Ks. 67202

ATTN: Jim Hall

8-29s-22w Ford Co., Ks.

Feikert Farms 4-8

Job Ticket: 57795 **DST#: 3**

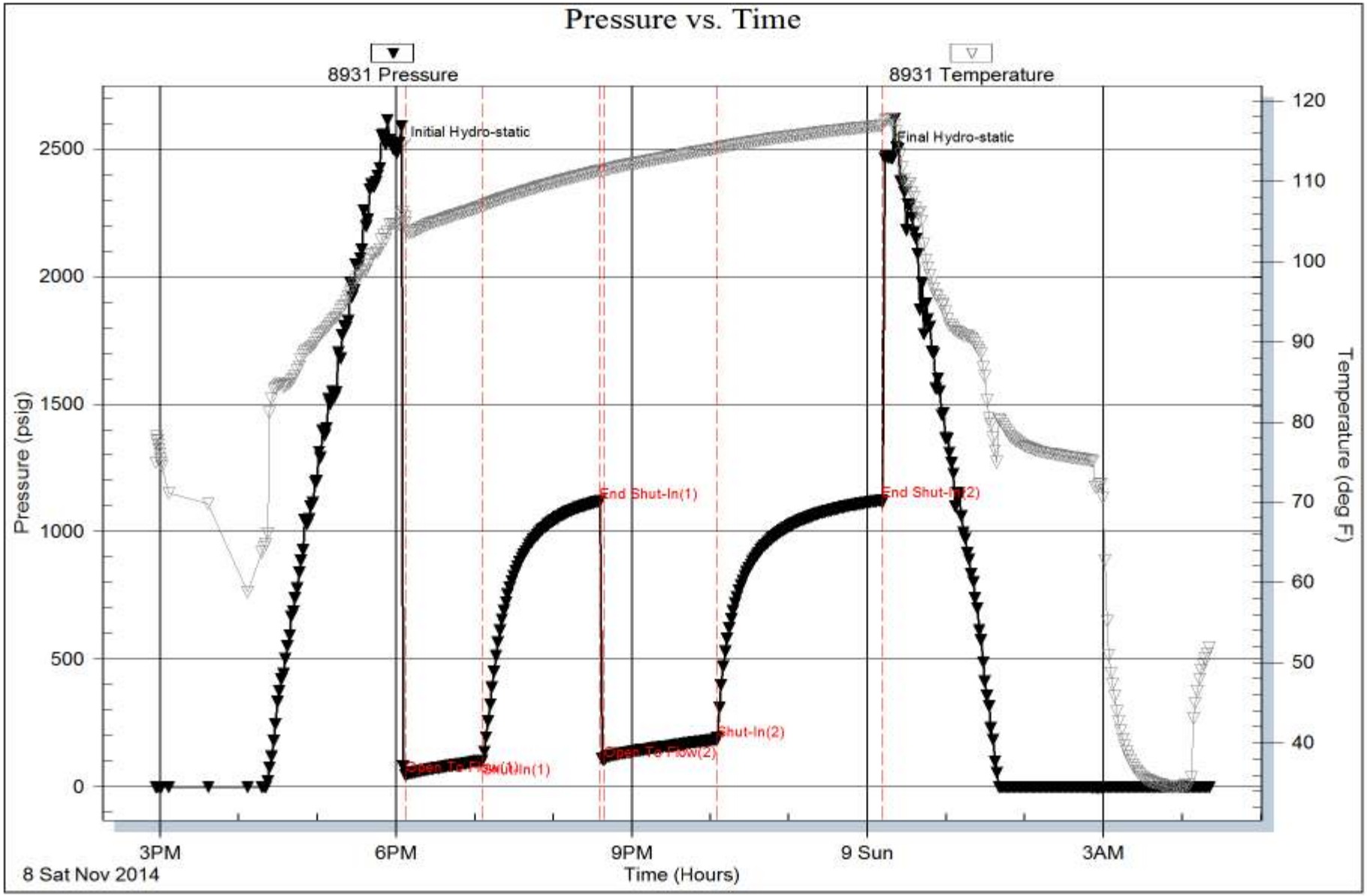
Test Start: 2014.11.08 @ 14:56:29

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	60	0.13	3.00	6.51
2	70	0.13	4.00	6.89
2	80	0.13	4.50	7.07
2	90	0.13	5.00	7.26


Pressure vs. Time
8931 Pressure
8931 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2500
2000
1500
1000
500
0
120
110
100
90
80
70
60
50
40
3PM
6PM
9PM
9 Sun
3AM
8 Sat Nov 2014
Time (Hours)

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name:	**VINCENT OIL CORP. FEIKERT FARMS #4-8**		
API:	**15-057-20951-00-00**		
Location:	**SW NE SE NE SEC. 8, T 29S, R 22W, FORD CO. KANSAS**		
License Number:	**Vincent Oil 5004**	**Region:**	**Kingsdown NW**
Spud Date:	**10/29/2014**	**Drilling Completed:**	**11/09/2014**
Surface Coordinates:	**1,710' FNL, 340' FEL**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**2,500'**	**K.B. Elevation (ft):**	**2,510'**
Logged Interval (ft):	**4,250' To: 5,400'**	**Total Depth (ft):**	**5,400'**
Formation:	**Mississippi**		
Type of Drilling Fluid:	**NATIVE MUD TO 3,760'. CHEMICAL GEL TO RTD**		

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

OPERATOR

Company: VINCENT OIL CORP.
Address: 155 N. MARKET STE 700
WICHITA, KANSAS 67202-1821
OFFICE; 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, cell: 316-217-1223

Comments

Drilling contractor: Val Energy Rig #2, Tool Pusher; Rick Smith

Conductor Pipe: 13 3/8" set at 253' w/235sx, cement did not circulate.

Surface Casing: 8 5/8" set at 694' w/300sx, cement, did circulate.

Daily Activity: @07:00hrs.

10/29/14; Move on and spud with 17 1/4" bit. Lost 100bbl @ 200', drilled to 257' and ran 13 3/8" conductor to 253'. Cmt. with 200sx, did not circulate, cmt with extra 35sx on the back side.
10/30/14; 257' WOC. Then drilled to 700' and set 8 5/8" csg. @ 694', Cmt with 300sx, did ciruclate.
10/31/14; 700' WOC.
11/01/14; 1,880' Drilling.
11/02/14; 2,990' Drilling.
11/03/14; 3,625' Drilling.
11/04/14; 4,299' Drilling. Mud up with chemical gel system @ 3,760'.
11/05/14; 4,790' Drilling. @ 4,766 start premix to bring mud to 50-55 Vis and 2-3# LCM.
11/06/14; 5,112' Finishing short trip after circulating the Pawnee. Ready to drill ahead.
11/07/14; 5,254' DST #1 Chert; 5,228' - 5,254 (26'), Circulated Pawnee and short trip. Circulated Base Penn and drilled ahead. Pipe strap 3.96' long to the board.
11/08/14; 5,277' DST #2 Miss. 5,226' - 5,277' (51'). Circulated Miss @ 5,277' and test.
11/09/14; 5,320' Drilling. Finished DST #3 Miss. 5,260' - 5,316'. Drilled to RTD (5,400'), ran open hole logs.
11/10/14; 5,400', 4 1/2" production casing was run.

Deviation Surveys: 0.25 deg. @ 257', 1.0 deg. @ 700', 1 deg. @ 5,254, 0.75 deg. @ 5,400'.

Bit Record:
#1 17 1/4" out @ 257'.
#2 12 1/4" in @ 257', out @ 700', made 443'.
#3 7 7/8" JZ HA20Q in @ 700', out @ 5,254' made 4,554'
#4 7 7/8" RR JZ HA20Q in @ 5,254', out @ 5,400', made 146'.

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

Gas Detector: Blue Stem unit #0279. Digital Unit, (commenced @ 4,200').

Mud System: Mud-Co/Service Mud. Chemical Gel system @ 3,760', Mud Engineer: Justen Whitin (Dodge City Office).

Open Hole Logs: , Hays Kansas,
Logging Engineer: Ian Mabb.
DIL, CDL/CNL/PE, MEL (RTD - 4,200'), SONIC (RTD - 8 5/8" csg).

Sample tops are placed on this Plotted Geo. Report, with the reference wells "A" Vincent Oil Overmyer #1-9 1,590' FNL & 915' FWL 9-T29S-R22W, and "B" Vincent Oil Feikert Farms #2-8 739' FNL & 1,928' FEL, 8-T29S-R22W. E-log tops datum differences shown.

E-log depths are 3'-4' shallow to the drilling time depths shown on this Geologic Strip Log. Therefore DST's and Tops will need to be shifted 3'-4' on the Open Hole Logs to correlate with this Geologic Strip Log.

DSTs

DST #1 Chert 5,228' - 5252' (26') 30-60-45-90, IH 2545, IF 15-19 (BOB 3min), ISI 102 (no blow), FF 18-22 (surface building to 6 inch), FSI 79 (no blow), FH 2513, Rec; 434' GIP, 20' GOCM (1%gas, 1%oil, 98%mud), BHT 117F.

DST #2 Miss. 5,226' - 5277' (51') 30-60-60-120, IH 2540, IF 45-87 (BOB 90sec.), ISI 1073 (no blow), FF 102-172 (BOB immd.) GTS 34min (40min 7.6mcf, 50min 7.8mcf, 60min 7.8mcf blue flame), FSI 1083 (10min to bleed off, 1/4inch blow in 40min), FH 2477, Rec; 4,922' GIP, 45' GOCM (3%gas,1%oil,96%mud), 62' GOCM (15%gas,25%oil,60%mud), 186' WGOCM (20%gas,25%oil,15%water,40%mud), 62' GWOCM (18%gas,25%oil,15%water,42%mud), BHT 119F, water chl 41,000ppm (checked by mud engineer), chl mud 8,000ppm.

DST #3 Miss. 5,260' - 5,316' (56') 60-90-90-120, IH 2485, IF 46-101 (BOB 50sec.), ISI 1118 (bleed off 10min, 5 1/2' blow), FF 105-186 (BOB Immd. GTS 57min, 60min 6.5mcf, 70min 6.9mcf, 80min 7.1mcf, 90min 7.3mcf) FSI 1121 (bleed off 15min, BOB in 55min), FH 2463, Rec; 4,954' GIP, 52' OGWCM (10%gas,19%oil,1%water,70%mud), 62' WMCOG (36%gas,35%oil,14%water,15%mud),124' MCWOG (39%gas,27%oil,17%water,17%mud), 124' GOMCW (1%gas,1%oil,96%water,2%mud), Rwa 0.16 @ 40F (0.0547 @ 117F), Chl 86,000ppm, Mud 8,500ppm, BHT 117F.

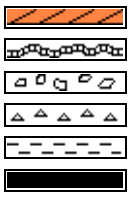
Qualifiers

CARBONATE CLASSIFICATION:

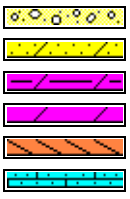
AFTER DUNHAM: GRAIN; any fossil, fossil fragment, sand grain, or other rock fragment within the rock. MUDSTONE; muddy carbonate rocks containing less than 10% grains. WACKESTONE; mud supported carbonate rocks with more than 10% grains. PACKSTONE; grain supported muddy carbonate rocks. GRAINSTONE; mud free carbonate rock, grain supported. BOUNDSTONE; carbonate rock bound together at deposition (coral, etc.). CRYSTALLINE CARBONATE; carbonate rock retaining to little of their depositional texture to be classified.

Qualifiers; (Fossils, Minerals, Shows, Porosity, etc.) Rare = less than 1% of sample total, Trace = less than 5% of sample total, Greater than 5% an estimate of total percentage.

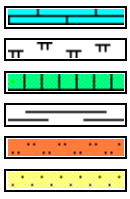
ROCK TYPES



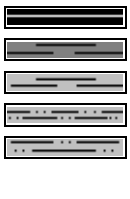
Anhy
Bent
Brec
Cht
Clyst
Coal



Congl
Sdy dolo
Shy dolo
Dol
Gyp
Sdy lmst



Lmst
Mrlst
Salt
Shale
Sltst
Ss



Black sh
Gry sh
Shale
Shysltst
Sltysh

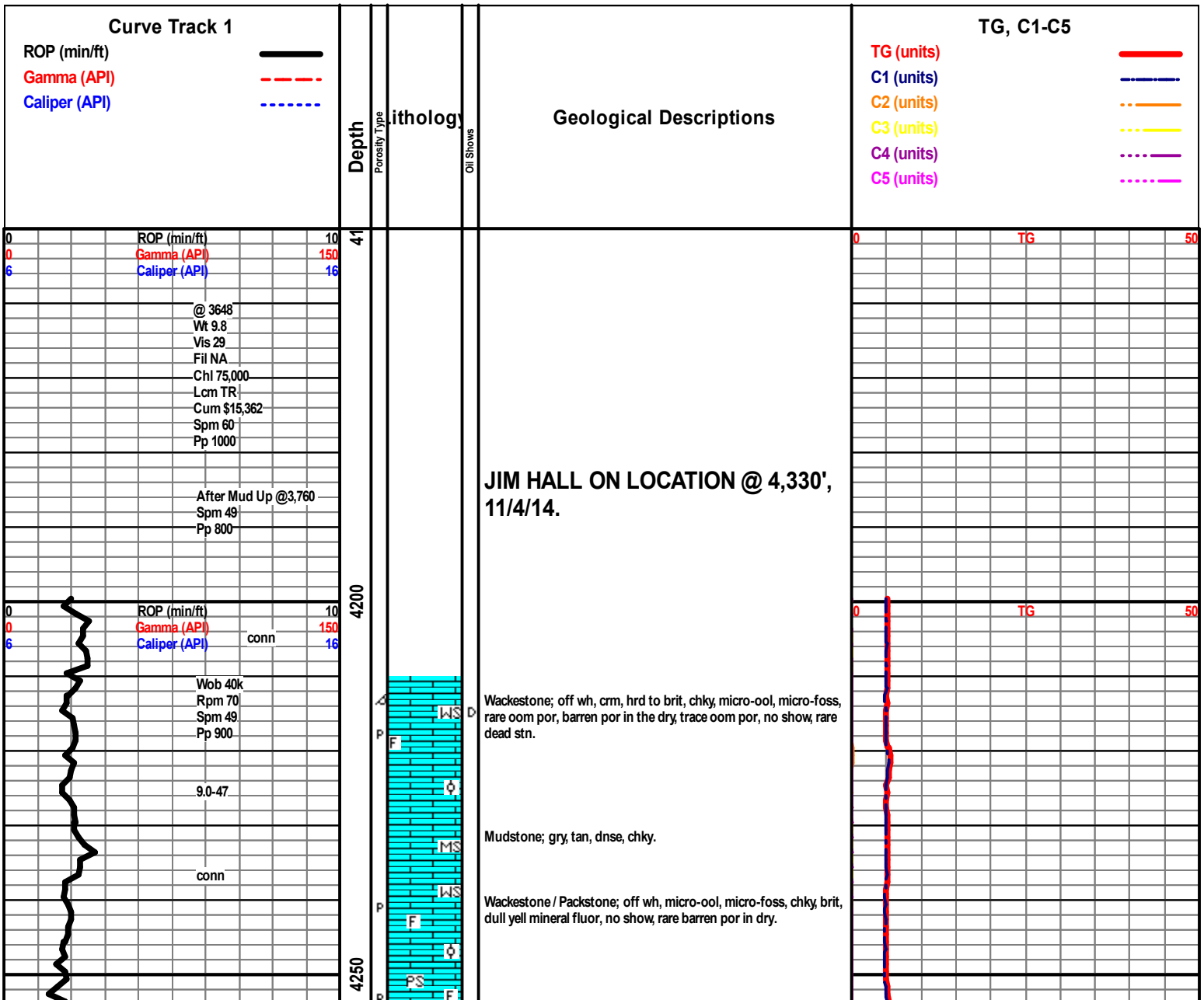
ACCESSORIES

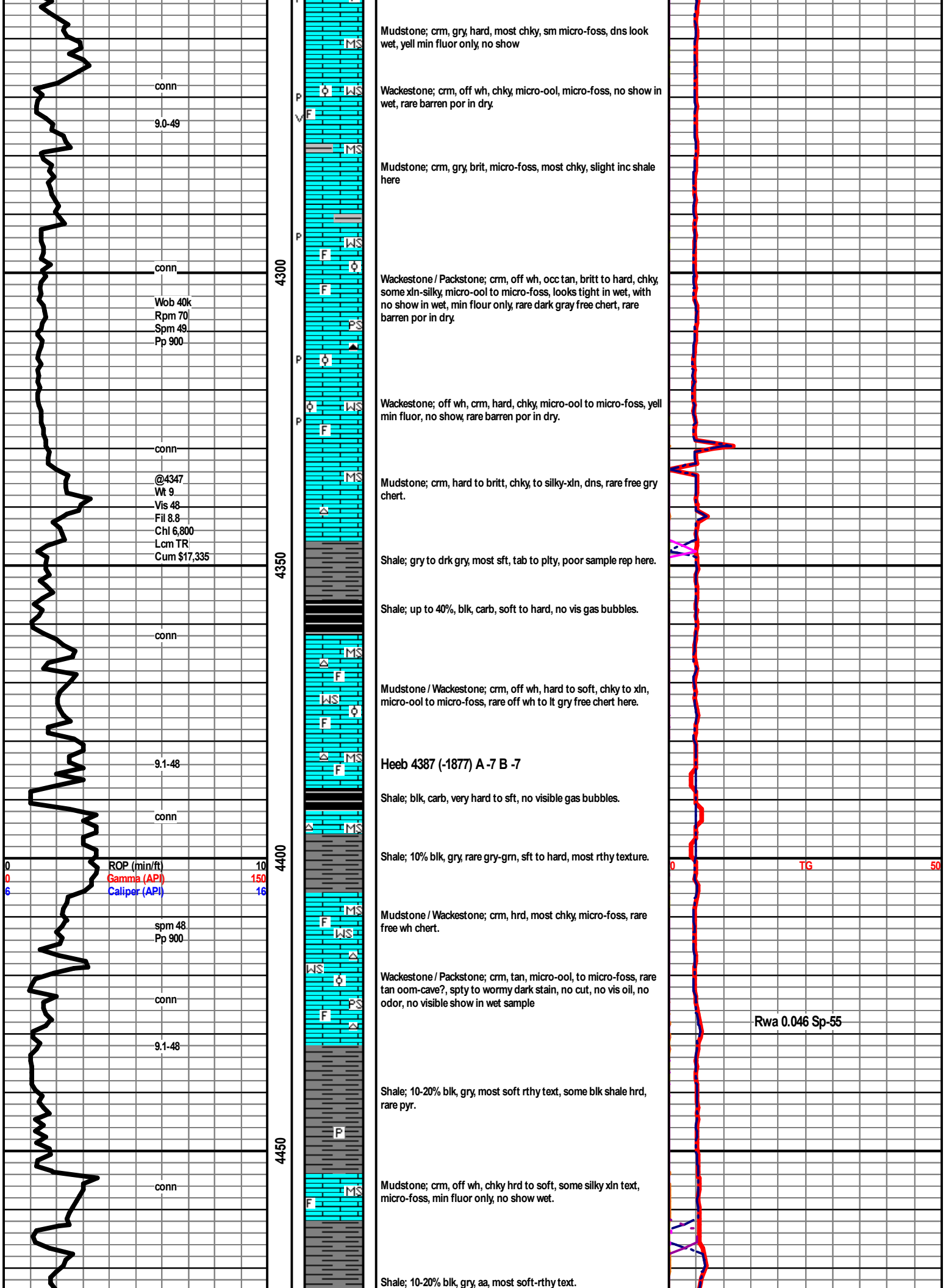
MINERAL
- Anhy
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Ferrpel
- Ferr
- Glau
- Gyp
- Marl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Chlorite
- Dol
- Sand
- Slty

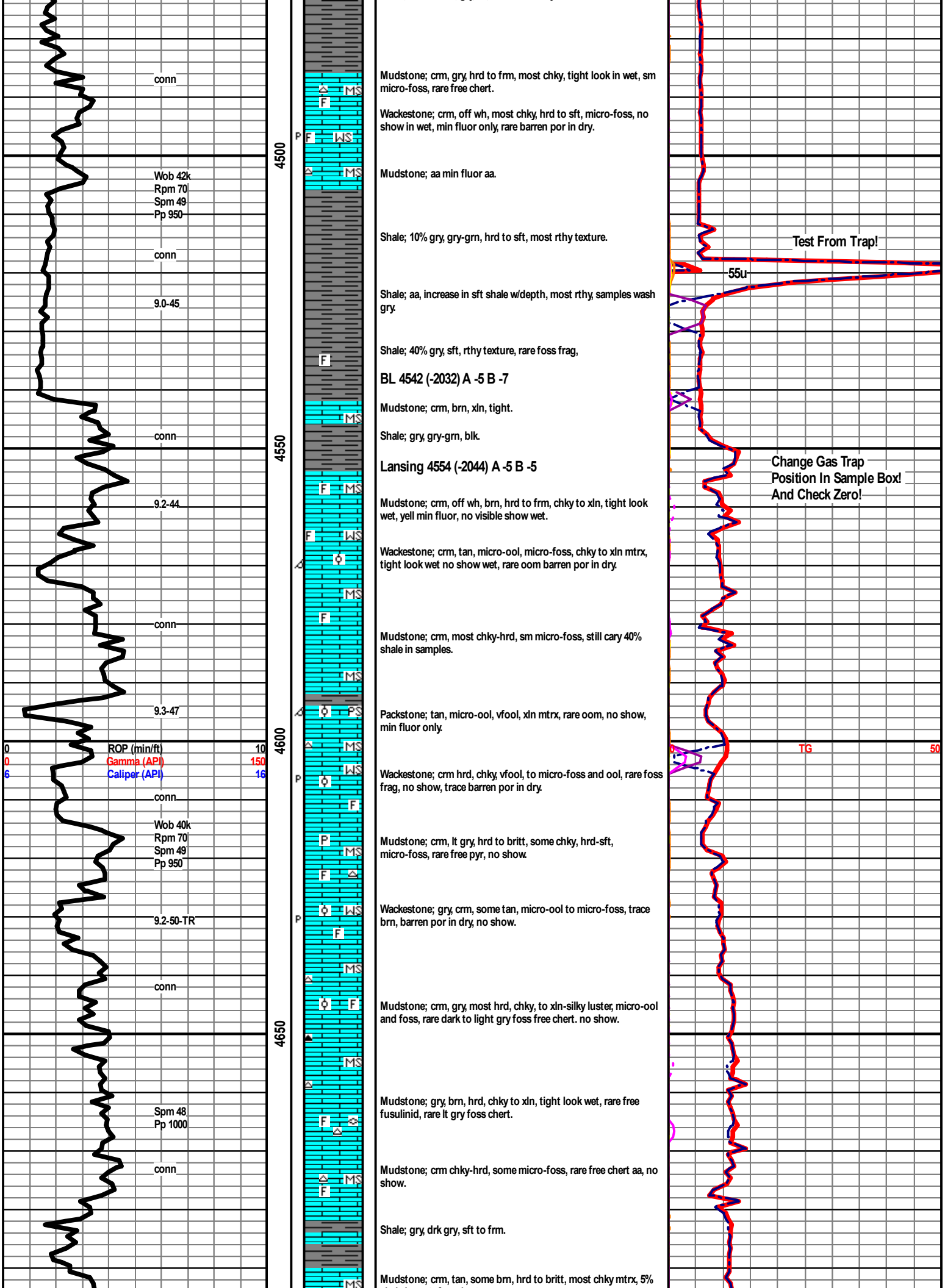
FOSSIL
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pelloidal
- Pisolite
- Plant
- Strom
- Fuss
- Oomoldic

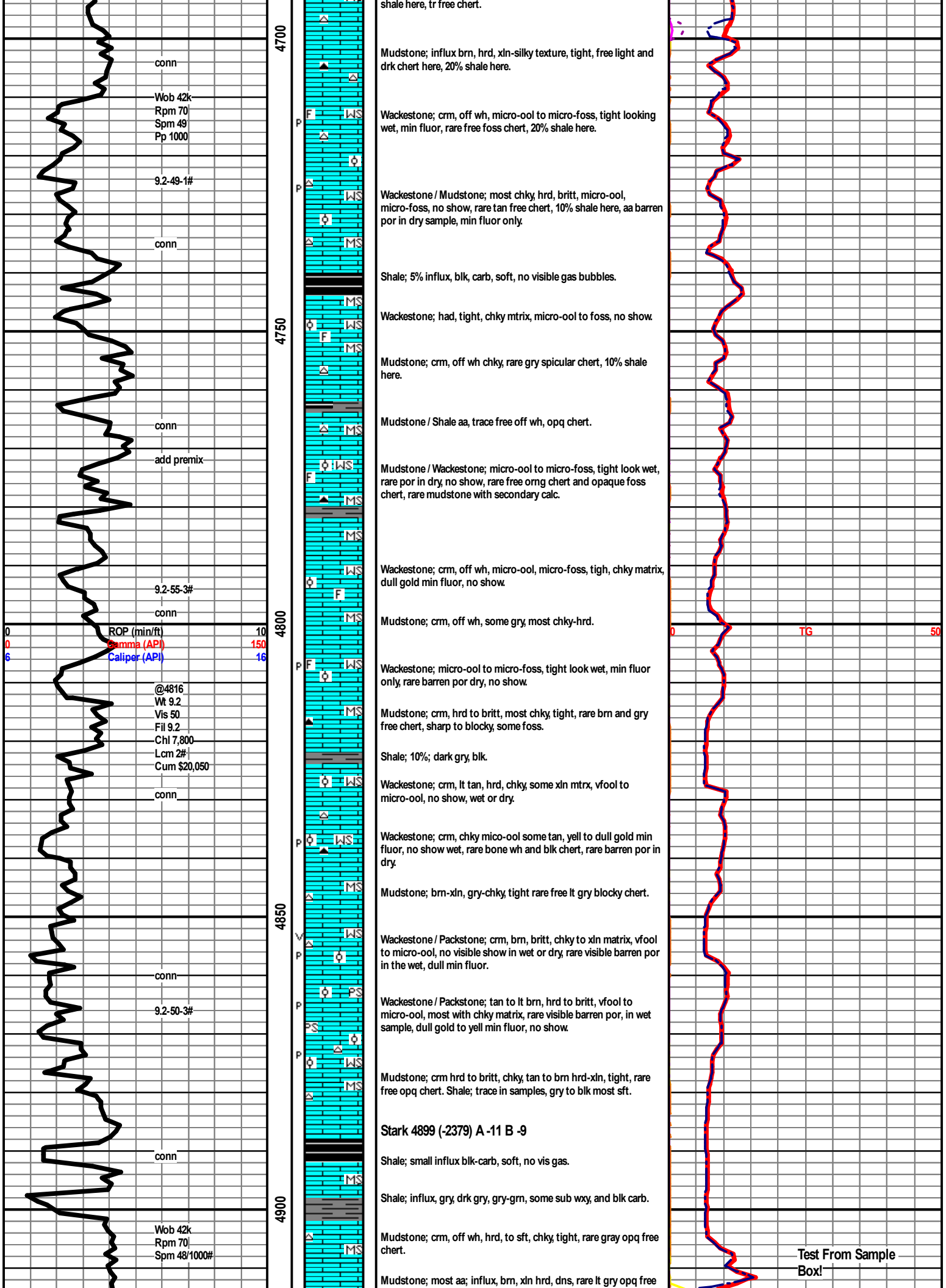
STRINGER
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

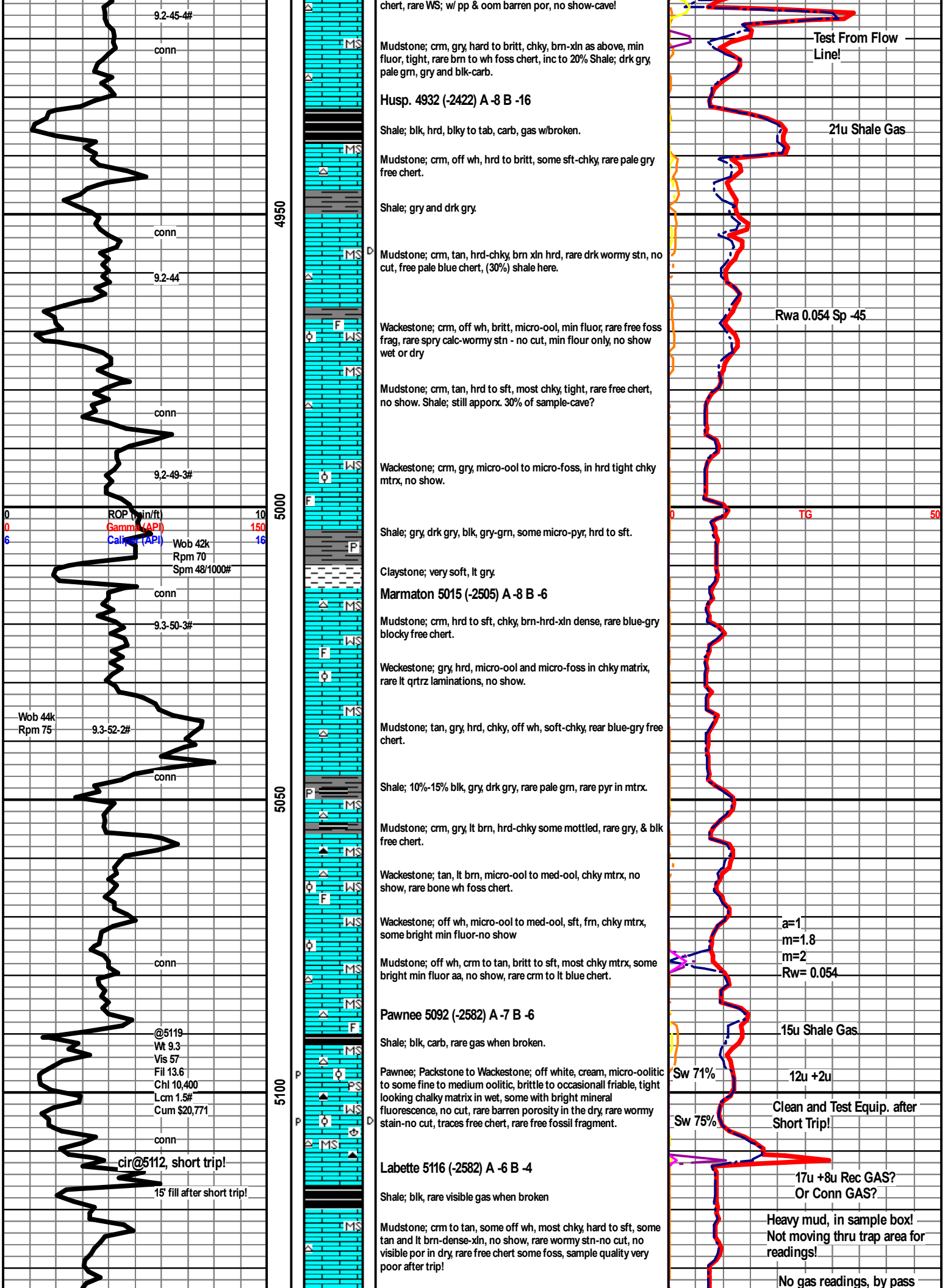
TEXTURE
- BS Boundst
- C Chalky
- CX Cryxln
- E Earthy
- FX Finexln
- GS Grainst
- L Lithogr
- MX Microxln
- MS Mudst
- PS Packst
- WS Wackest

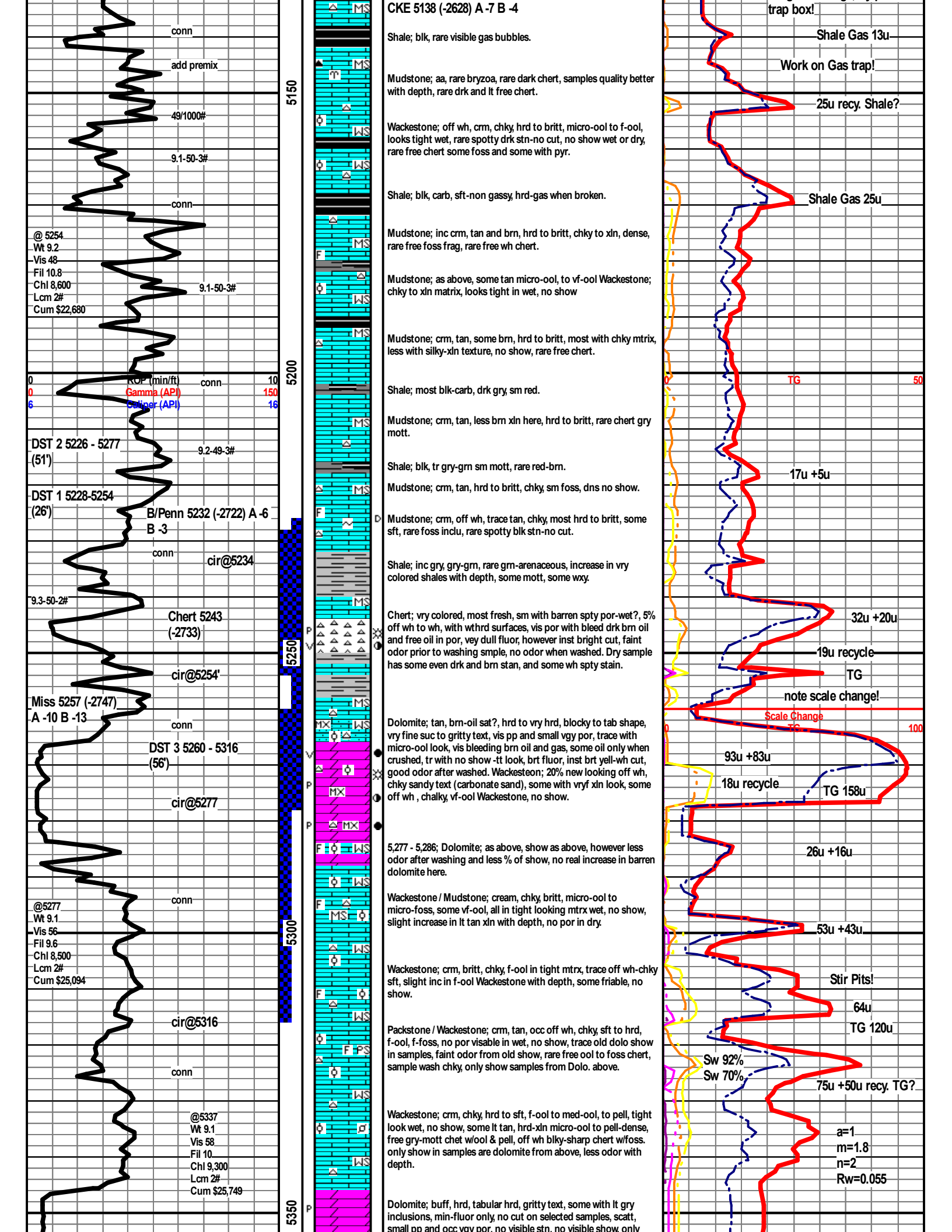


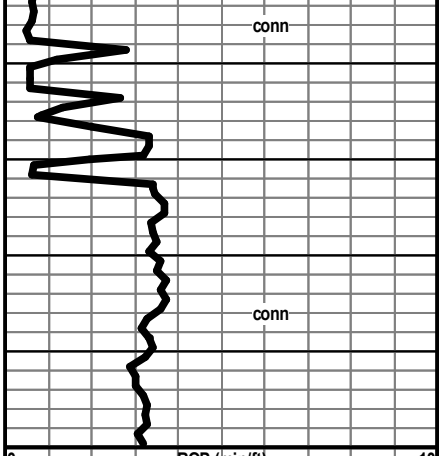

Mudstone; crm, gry, hard, most chky, sm micro-foss, dns look wet, yell min fluor only, no show
Wackestone; crm, off wh, chky, micro-ool, micro-foss, no show in wet, rare barren por in dry.
Mudstone; crm, gry, brit, micro-foss, most chky, slight inc shale here
Wackestone / Packstone; crm, off wh, occ tan, britt to hard, chky, some xln-silky, micro-ool to micro-foss, looks tight in wet, with no show in wet, min flour only, rare dark gray free chert, rare barren por in dry.
Wackestone; off wh, crm, hard, chky, micro-ool to micro-foss, yell min fluor, no show, rare barren por in dry.
Mudstone; crm, hard to britt, chky, to silky-xln, dns, rare free gry chert.
Shale; gry to drk gry, most sft, tab to plty, poor sample rep here.
Shale; up to 40%, blk, carb, soft to hard, no vis gas bubbles.
Mudstone / Wackestone; crm, off wh, hard to soft, chky to xln, micro-ool to micro-foss, rare off wh to lt gry free chert here.
Heeb 4387 (-1877) A -7 B -7
Shale; blk, carb, very hard to sft, no visible gas bubbles.
Shale; 10% blk, gry, rare gry-grn, sft to hard, most rthy texture.
Mudstone / Wackestone; crm, hrd, most chky, micro-foss, rare free wh chert.
Wackestone / Packstone; crm, tan, micro-ool, to micro-foss, rare tan oom-cave?, spty to wormy dark stain, no cut, no vis oil, no odor, no visible show in wet sample
Shale; 10-20% blk, gry, most soft rthy text, some blk shale hrd, rare pyr.
Mudstone; crm, off wh, chky hrd to soft, some silky xln text, micro-foss, min fluor only, no show wet.
Shale; 10-20% blk, gry, aa, most soft-rthy text.
conn
9.0-49
conn
Wob 40k
Rpm 70
Spm 49
Pp 900
conn
@4347
Wt 9
Vis 48
Fil 8.8
Chl 6,800
Lcm TR
Cum $17,335
conn
9.1-48
conn
spm 48
Pp 900
conn
9.1-48
conn
4300
4350
4400
4450
0 ROP (min/ft) 10
0 Gamma (API) 150
6 Caliper (API) 16
0 TG 50
Rwa 0.046 Sp-55

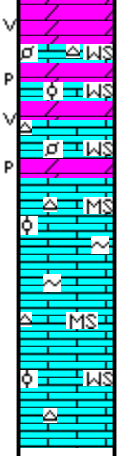

conn
Wob 42k
Rpm 70
Spm 49
Pp 950
conn
9.0-45
conn
9.2-44
conn
9.3-47
0 ROP (min/ft) 10
0 Gamma (API) 150
6 Caliper (API) 16
conn
Wob 40k
Rpm 70
Spm 49
Pp 950
9.2-50-TR
conn
Spm 48
Pp 1000
conn
4500
4550
4600
4650
Mudstone; crm, gry, hrd to frm, most chky, tight look in wet, sm micro-foss, rare free chert.
Wackestone; crm, off wh, most chky, hrd to sft, micro-foss, no show in wet, min fluor only, rare barren por in dry.
Mudstone; aa min fluor aa.
Shale; 10% gry, gry-grn, hrd to sft, most rthy texture.
Shale; aa, increase in sft shale w/depth, most rthy, samples wash gry.
Shale; 40% gry, sft, rthy texture, rare foss frag,
BL 4542 (-2032) A -5 B -7
Mudstone; crm, brn, xln, tight.
Shale; gry, gry-grn, blk.
Lansing 4554 (-2044) A -5 B -5
Mudstone; crm, off wh, brn, hrd to frm, chky to xln, tight look wet, yell min fluor, no visible show wet.
Wackestone; crm, tan, micro-ool, micro-foss, chky to xln mtrx, tight look wet no show wet, rare oom barren por in dry.
Mudstone; crm, most chky-hrd, sm micro-foss, still cary 40% shale in samples.
Packstone; tan, micro-ool, vfool, xln mtrx, rare oom, no show, min fluor only.
Wackestone; crm hrd, chky, vfool, to micro-foss and ool, rare foss frag, no show, trace barren por in dry.
Mudstone; crm, lt gry, hrd to britt, some chky, hrd-sft, micro-foss, rare free pyr, no show.
Wackestone; gry, crm, some tan, micro-ool to micro-foss, trace brn, barren por in dry, no show.
Mudstone; crm, gry, most hrd, chky, to xln-silky luster, micro-ool and foss, rare dark to light gry foss free chert. no show.
Mudstone; gry, brn, hrd, chky to xln, tight look wet, rare free fusulinid, rare lt gry foss chert.
Mudstone; crm chky-hrd, some micro-foss, rare free chert aa, no show.
Shale; gry, drk gry, sft to frm.
Mudstone; crm, tan, some brn, hrd to britt, most chky mtrx, 5%
Test From Trap!
55u
Change Gas Trap
Position In Sample Box!
And Check Zero!
0 TG 50

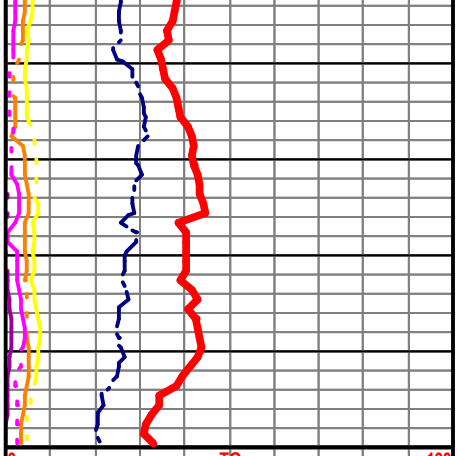

shale here, tr free chert.
Mudstone; influx brn, hrd, xln-silky texture, tight, free light and drk chert here, 20% shale here.
Wackestone; crm, off wh, micro-ool to micro-foss, tight looking wet, min fluor, rare free foss chert, 20% shale here.
Wackestone / Mudstone; most chky, hrd, britt, micro-ool, micro-foss, no show, rare tan free chert, 10% shale here, aa barren por in dry sample, min fluor only.
Shale; 5% influx, blk, carb, soft, no visible gas bubbles.
Wackestone; had, tight, chky mtrix, micro-ool to foss, no show.
Mudstone; crm, off wh chky, rare gry spicular chert, 10% shale here.
Mudstone / Shale aa, trace free off wh, opq chert.
Mudstone / Wackestone; micro-ool to micro-foss, tight look wet, rare por in dry, no show, rare free orng chert and opaque foss chert, rare mudstone with secondary calc.
Wackestone; crm, off wh, micro-ool, micro-foss, tigh, chky matrix, dull gold min fluor, no show.
Mudstone; crm, off wh, some gry, most chky-hrd.
Wackestone; micro-ool to micro-foss, tight look wet, min fluor only, rare barren por dry, no show.
Mudstone; crm, hrd to britt, most chky, tight, rare brn and gry free chert, sharp to blocky, some foss.
Shale; 10%; dark gry, blk.
Wackestone; crm, lt tan, hrd, chky, some xln mtrx, vfool to micro-ool, no show, wet or dry.
Wackestone; crm, chky mico-ool some tan, yell to dull gold min fluor, no show wet, rare bone wh and blk chert, rare barren por in dry.
Mudstone; brn-xln, gry-chky, tight rare free lt gry blocky chert.
Wackestone / Packstone; crm, brn, britt, chky to xln matrix, vfool to micro-ool, no visible show in wet or dry, rare visible barren por in the wet, dull min fluor.
Wackestone / Packstone; tan to lt brn, hrd to britt, vfool to micro-ool, most with chky matrix, rare visible barren por, in wet sample, dull gold to yell min fluor, no show.
Mudstone; crm hrd to britt, chky, tan to brn hrd-xln, tight, rare free opq chert. Shale; trace in samples, gry to blk most sft.
Stark 4899 (-2379) A -11 B -9
Shale; small influx blk-carb, soft, no vis gas.
Shale; influx, gry, drk gry, gry-grn, some sub wxy, and blk carb.
Mudstone; crm, off wh, hrd, to sft, chky, tight, rare gray opq free chert.
Mudstone; most aa; influx, brn, xln hrd, dns, rare lt gry opq free
Test From Sample Box!
conn
Wob 42k
Rpm 70
Spm 49
Pp 1000
9.2-49-1#
conn
conn
add premix
9.2-55-3#
conn
0 ROP (min/ft) 10
0 Gamma (API) 150
6 Caliper (API) 16
@4816
Wt 9.2
Vis 50
Fil 9.2
Chl 7,800
Lcm 2#
Cum $20,050
conn
conn
9.2-50-3#
conn
Wob 42k
Rpm 70
Spm 48/1000#
4700
4750
4800
4850
4900
0 TG 50


9.2-45-4#
conn
conn
9.2-44
conn
9,2-49-3#
0
ROP (min/ft)
10
0
Gamma (API)
150
6
Caliper (API)
16
Wob 42k
Rpm 70
Spm 48/1000#
conn
9.3-50-3#
Wob 44k
Rpm 75
9.3-52-2#
conn
conn
@5119
Wt 9.3
Vis 57
Fil 13.6
Chl 10,400
Lcm 1.5#
Cum $20,771
conn
cir@5112, short trip!
15' fill after short trip!
4950
5000
5050
5100
chert, rare WS; w/ pp & oom barren por, no show-cave!
Mudstone; crm, gry, hard to britt, chky, brn-xln as above, min fluor, tight, rare brn to wh foss chert, inc to 20% Shale; drk gry, pale grn, gry and blk-carb.
Husp. 4932 (-2422) A -8 B -16
Shale; blk, hrd, blky to tab, carb, gas w/broken.
Mudstone; crm, off wh, hrd to britt, some sft-chky, rare pale gry free chert.
Shale; gry and drk gry.
Mudstone; crm, tan, hrd-chky, brn xln hrd, rare drk wormy stn, no cut, free pale blue chert, (30%) shale here.
Wackestone; crm, off wh, britt, micro-ool, min fluor, rare free foss frag, rare spry calc-wormy stn - no cut, min flour only, no show wet or dry
Mudstone; crm, tan, hrd to sft, most chky, tight, rare free chert, no show. Shale; still apporx. 30% of sample-cave?
Wackestone; crm, gry, micro-ool to micro-foss, in hrd tight chky mtrx, no show.
Shale; gry, drk gry, blk, gry-grn, some micro-pyr, hrd to sft.
Claystone; very soft, lt gry.
Marmaton 5015 (-2505) A -8 B -6
Mudstone; crm, hrd to sft, chky, brn-hrd-xln dense, rare blue-gry blocky free chert.
Weckestone; gry, hrd, micro-ool and micro-foss in chky matrix, rare lt qrtrz laminations, no show.
Mudstone; tan, gry, hrd, chky, off wh, soft-chky, rear blue-gry free chert.
Shale; 10%-15% blk, gry, drk gry, rare pale grn, rare pyr in mtrx.
Mudstone; crm, gry, lt brn, hrd-chky some mottled, rare gry, & blk free chert.
Wackestone; tan, lt brn, micro-ool to med-ool, chky mtrx, no show, rare bone wh foss chert.
Wackestone; off wh, micro-ool to med-ool, sft, frn, chky mtrx, some bright min fluor-no show
Mudstone; off wh, crm to tan, britt to sft, most chky mtrx, some bright min fluor aa, no show, rare crm to lt blue chert.
Pawnee 5092 (-2582) A -7 B -6
Shale; blk, carb, rare gas when broken.
Pawnee; Packstone to Wackestone; off white, cream, micro-oolitic to some fine to medium oolitic, brittle to occasionall friable, tight looking chalky matrix in wet, some with bright mineral fluorescence, no cut, rare barren porosity in the dry, rare wormy stain-no cut, traces free chert, rare free fossil fragment.
Labette 5116 (-2582) A -6 B -4
Shale; blk, rare visible gas when broken
Mudstone; crm to tan, some off wh, most chky, hard to sft, some tan and lt brn-dense-xln, no show, rare wormy stn-no cut, no visible por in dry, rare free chert some foss, sample quality very poor after trip!
Test From Flow Line!
21u Shale Gas
Rwa 0.054 Sp -45
0
TG
50
a=1
m=1.8
m=2
Rw= 0.054
15u Shale Gas
Sw 71%
12u +2u
Clean and Test Equip. after Short Trip!
Sw 75%
17u +8u Rec GAS?
Or Conn GAS?
Heavy mud, in sample box!
Not moving thru trap area for readings!
No gas readings, by pass


conn
add premix
49/1000#
9.1-50-3#
conn
@ 5254
Wt 9.2
Vis 48
Fil 10.8
Chl 8,600
Lcm 2#
Cum $22,680
9.1-50-3#
0
ROP (min/ft)
conn
10
0
Gamma (API)
150
6
Caliper (API)
16
DST 2 5226 - 5277
(51')
9.2-49-3#
DST 1 5228-5254
(26')
B/Penn 5232 (-2722) A -6
B -3
conn
cir@5234
9.3-50-2#
Chert 5243
(-2733)
cir@5254'
Miss 5257 (-2747)
A -10 B -13
conn
DST 3 5260 - 5316
(56')
cir@5277
conn
@5277
Wt 9.1
Vis 56
Fil 9.6
Chl 8,500
Lcm 2#
Cum $25,094
cir@5316
conn
@5337
Wt 9.1
Vis 58
Fil 10
Chl 9,300
Lcm 2#
Cum $25,749
5150
5200
5250
5300
5350
CKE 5138 (-2628) A -7 B -4
Shale; blk, rare visible gas bubbles.
Mudstone; aa, rare bryzoa, rare dark chert, samples quality better with depth, rare drk and lt free chert.
Wackestone; off wh, crm, chky, hrd to britt, micro-ool to f-ool, looks tight wet, rare spotty drk stn-no cut, no show wet or dry, rare free chert some foss and some with pyr.
Shale; blk, carb, sft-non gassy, hrd-gas when broken.
Mudstone; inc crm, tan and brn, hrd to britt, chky to xln, dense, rare free foss frag, rare free wh chert.
Mudstone; as above, some tan micro-ool, to vf-ool Wackestone; chky to xln matrix, looks tight in wet, no show
Mudstone; crm, tan, some brn, hrd to britt, most with chky mtrix, less with silky-xln texture, no show, rare free chert.
Shale; most blk-carb, drk gry, sm red.
Mudstone; crm, tan, less brn xln here, hrd to britt, rare chert gry mott.
Shale; blk, tr gry-grn sm mott, rare red-brn.
Mudstone; crm, tan, hrd to britt, chky, sm foss, dns no show.
Mudstone; crm, off wh, trace tan, chky, most hrd to britt, some sft, rare foss inclu, rare spotty blk stn-no cut.
Shale; inc gry, gry-grn, rare grn-arenaceous, increase in vry colored shales with depth, some mott, some wxy.
Chert; vry colored, most fresh, sm with barren spty por-wet?, 5% off wh to wh, with wthrd surfaces, vis por with bleed drk brn oil and free oil in por, vey dull fluor, however inst bright cut, faint odor prior to washing smple, no odor when washed. Dry sample has some even drk and brn stan, and some wh spty stain.
Dolomite; tan, brn-oil sat?, hrd to vry hrd, blocky to tab shape, vry fine suc to gritty text, vis pp and small vgy por, trace with micro-ool look, vis bleeding brn oil and gas, some oil only when crushed, tr with no show -tt look, brt fluor, inst brt yell-wh cut, good odor after washed. Wackesteon; 20% new looking off wh, chky sandy text (carbonate sand), some with vryf xln look, some off wh , chalky, vf-ool Wackestone, no show.
5,277 - 5,286; Dolomite; as above, show as above, however less odor after washing and less % of show, no real increase in barren dolomite here.
Wackestone / Mudstone; cream, chky, britt, micro-ool to micro-foss, some vf-ool, all in tight looking mtrx wet, no show, slight increase in lt tan xln with depth, no por in dry.
Wackestone; crm, britt, chky, f-ool in tight mtrx, trace off wh-chky sft, slight inc in f-ool Wackestone with depth, some friable, no show.
Packstone / Wackestone; crm, tan, occ off wh, chky, sft to hrd, f-ool, f-foss, no por visable in wet, no show, trace old dolo show in samples, faint odor from old show, rare free ool to foss chert, sample wash chky, only show samples from Dolo. above.
Wackestone; crm, chky, hrd to sft, f-ool to med-ool, to pell, tight look wet, no show, some lt tan, hrd-xln micro-ool to pell-dense, free gry-mott chet w/ool & pell, off wh blky-sharp chert w/foss. only show in samples are dolomite from above, less odor with depth.
Dolomite; buff, hrd, tabular hrd, gritty text, some with lt gry inclusions, min-fluor only, no cut on selected samples, scatt, small pp and occ vgy por, no visible stn, no visible show, only
trap box!
Shale Gas 13u
Work on Gas trap!
25u recy. Shale?
Shale Gas 25u
0
TG
50
17u +5u
32u +20u
19u recycle
TG
note scale change!
Scale Change
0
TG
100
93u +83u
18u recycle
TG 158u
26u +16u
53u +43u
Stir Pits!
64u
TG 120u
Sw 92%
Sw 70%
75u +50u recy. TG?
a=1
m=1.8
n=2
Rw=0.055







0	ROP (min/ft)	10
0	Gamma (API)	150
6	Caliper (API)	16

5400

5450

5500

5550

Show sample are rare dolomite from above, no odor here.

Dolomite; buff to light gry, hrd, gritty, min-fluor only, barren por in dry, and ool to pell Wackestgone; no new shows

Mudstone; to Wackestone; crm to off wh, micro-ool, micro-pell in chky mtrx, rare glauc in mtrx, trace bone wh and opq chet, some foss, no show, no por in wet or dry.

Mudstone; crm, off wh, britt to sft, most chky occ silky-xln, sl inc in matrx glauc, less oolitic and pell Wackestone and Packstone with depth, no vis por in dry, tr wh and blue gry free foss chert here.

Wackestone; slight inc in % crm, micro-ool with chky mtrx, influx wh and opq free chert here.

RTD 5,400' @ 11:13 hrs. 11/09/14

E-Log TD 5,400'

Circulated Zones Detail

Cir 5277', Miss 60min: Dolomite; tan, brn-oil sat?, hrd to vry hrd, blocky to tab shape, vry fine suc to gritty text, vis pp and small vgy por, trace with micro-ool look, vis bleeding brn oil and gas, some oil only when crushed, tr with no show -tt look, brt fluor, inst brt yell-wh cut, good odor after washed. Wackesteon; 20% new looking off wh, chky sandy text (carbonate sand), some with vryf xln look, some off wh , chalky, vf-ool Wackestone, no show.

Micro xover on open hole logs 5318 - 5323; Open hole logs indicate this zone to be limestone. using a Rw 0.055 this zone calculates @ 70%- 90% Sw. Samples were run again from 5330' - 5370'. Only old dolomite shows from tested zone above was observed. (1sample) crm limestone with fluor and cut was observed in the 5330' sample. However it lags above the zone in question.

Cir Miss 5277', 90min; Samples and show aa, increase in Wackestone; off wh, chky, sandy text and chky vf-ool Wackestone off wh to wh and some cream, no show in the Wackestone, only dolomite sample shows.

Chert; cir 5254', 30min 20%, vry colord, rare with spotty drk stn and bleeding gas, , no odor, fluor cut, no visible oil. 40% vry colored shales aa, 40% Mudstone as above, trace wh ool Wackestone with brt fluor-no cut.

Chert; cir 5254', 60min 50%, vry colored, most fresh, sm with barren spty por-wet?, 5% off wh to wh, with wthrd surfaces, vis por with bleed drk brn oil and free oil in por, vey dull fluor, however inst bright cut, faint odor prior to washing smple, no odor when washed. Dry sample has some even drk and brn stan, and some wh spty stain.

B/P 5234', 30min Mudstone; crm, tan, tr wh-chky-sft, sm micro-foss, rare tan w/tr glauc, tr fluor-no cut, rare chert with drk inclu, tight look wet.

B/P 5234', 60min Mudstone; crm, off wh, trace tan, chky, most hrd to britt, some sft, rare foss inclu, rare spotty blk stn-no cut, Sh; 10% inc gry, gry-grn, rare grn-arneaceous.

B/P 5234', 90min Mudstone as above, with scatt micro-ool Wackestone; rare spotty stn on mudstone-no cut, no show.

Pawnee cir 5112', 30min; Packstone to Wackestone; off wh, crm, micro-ool to med ool in chky mtrx, some with bright min fluor-no cut, looks tight in wet, no show-wet, rare gry, brn free chert, rare barren por in dry, trace carb shale here, no vis gas.

Pawnee cir 5112', 60min; Wackestone to Packstone; aa, chky, some with bright fluor-no cut, no visible show or odor, 5% blk carb shale here, rare gas when broken, rare barren por in dry sample.

Pawnee cir 5112', 90min; Packstone to Wackestone; off wh, crm, micro-ool to small and med ool, chky mtrix, no show wet, rare wormy blk stn-no cut, rare blk carb shale here, rare barren por in dry, sm secondary calc lined, no show dry.