Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1106810

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 # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Jime 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 #:

9/6/2012	9/14/2012	9/15/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-057-20840-00-00
Spot Description:
NE - SE - NE - SW Sec. 20 Twp. 29 S. R. 22 ☐ East ☑ West
1730 Feet from ☐ North / ☑ South Line of Section
2510 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: Ellis Well #: 3-20
Field Name: Wildcat
Producing Formation: None - D&A
Elevation: Ground: 2481 Kelly Bushing: 2493
Total Vertical Depth: 5425 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 620 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: 15300 ppm Fluid volume: 800 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Advantage Resources
Lease Name: Hardy License #: 6926
Quarter NE Sec. 24 Twp. 28 S. R. 18 ☐ East ☑ West
County: Kiowa Permit #: D27161

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: 01/04/2013
☑ **Confidential Release Date:** 01/04/2015
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 01/07/2013

1106810

Operator Name: Vincent Oil Corporation Lease Name: Ellis Well #: 3-20

Sec. 20 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 *(Attach Additional Sheets)*	☑ Yes	☐ No
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 Casing	12.25	8.6250	23	620	60/40 POZ	375	2% Gel, 3% CC & 1/4# CF/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	Ellis 3-20
Doc ID	1106810

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic log

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Ellis 3-20
Doc ID	1106810

Tops

Name	Top	Datum
Heebner Shale	4387	(-1894)
Brown Limestone	4544	(-2051)
Lansing	4561	(-2068)
Stark Shale	4911	(-2418)
Pawnee	5106	(-2613)
Cherokee Shale	5156	(-2663)
Base of Penn	5254	(-2761)
Mississippian	5280	(-2787)
LTD	5426	(-2933)

BASIC ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer Vincent Oil Corp		Lease No.		Date 9-7-12
Lease Ellis		Well # 3-20	Service Receipt 3009 A	
Casing 8 5/8	Depth 620	County Ford	State Ks	
Job Type Z42 85/8	Formation		Legal Description 20-29S-22W	

Pipe Data		Perforating Data		Cement Data
Casing size 8 5/8 23"	Tubing Size	Shots/Ft		Lead 375 sx 60/40 2% Gel 3% CC 1/4# CF 14.8#/gal 1.21
Depth 620.	Depth	From	To	
Volume 37.10	Volume	From	To	
Max Press 4000	Max Press	From	To	Tail in
Well Connection 8 5/8	Annulus Vol.	From	To	
Plug Depth 579.76	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumbed	Rate	Service Log
4:00					Called out
6:15					on Loc w/TRK's Hold Safety MTG
					Run 15 Jt's 8 5/8 23" CSG
					1 Jt = 40.37 AFU Insert 8 5/8
6:50					Start CSG
7:45					CSG on Bottom
					Drop Ball
7:59					Hook up to CSG Rig Break Circ
8:42	100			3.5	Start mix 375 sx 60/40 Poz
					2% Gel 3% CC 1/4" CF.
					14.8#/gal 1.21 ft3
9:02					Shut Down Release 8 5/8 Wooden Plug
9:04	0				Start Disp
9:16	300		37.8		Plug down
					Didn't see any PSI
					Release back AFU Insert Held
					Close Valve on csg
					Thanks
					Todd Ever Hector
					Please Call Again

Service Units	71183	27462	19355	19295		
Driver Names	Todd	Ever	Hector			

Rick
Customer Representative

Jerry Bennett
Station Manager

T. Seba
Cementer

Taylor Printing, Inc.

ALLIED OIL & GAS SERVICES, LLC

MB 052464

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Liberal, KS

DATE 9/15/12	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START 10:00	JOB FINISH 13:45
LEASE Ellis	WELL # 3-20	LOCATION Ellis #3-20				COUNTY Ford	STATE KS
OLD OR (NEW) (Circle one)							

CONTRACTOR Duke Drilling #10
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D. 5812
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4½" DEPTH 1410
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. Ø
PERFS. Ø
DISPLACEMENT

EQUIPMENT

PUMP TRUCK CEMENTER Stephen Hanza
#530-464 HELPER Lenny Baeza
BULK TRUCK
#472-467 DRIVER Visente Torrez / Edi Corando
BULK TRUCK
DRIVER

REMARKS:

OWNER

CEMENT

AMOUNT ORDERED 170

		@	
COMMON	A 102 sks	@ 17.90	1825.80
POZMIX	68 sks	@ 9.35	635.80
GEL	7 sks	@ 23.40	163.80
CHLORIDE		@	
ASC		@	
42 lbs Flocele		@ 2.97	~~103.8~~ 124.74
HANDLING	184.7 cu ft.	@ 2.48	458.06
MILEAGE	Drayage	1825.80	~~825.80~~

576 Ton mi x 2.60 1497.60 TOTAL ~~4451.20~~
4706.06 ~~4575.94~~

SERVICE

~~2249.84~~

DEPTH OF JOB	1410'		~~2213.75~~
PUMP TRUCK CHARGE			~~2213.75~~
EXTRA FOOTAGE		@	
MILEAGE		@	
MANIFOLD		@	
Heavy Vehicle	75	@ 7.70	577.50
Light Vehicle	75	@ 4.40	330.00

TOTAL ~~3121.25~~ 3106.84 ~~5371.09~~

CHARGE TO: Vincent Oil Corp.
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

TOTAL ~~4477.03~~

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.

SALES TAX (If Any) 625.14
TOTAL CHARGES ~~9947.03~~ 7812.90 7803.34
DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Rick Schlekenbarger

SIGNATURE Rick Schlekenbarger

1572.62

DRILL STEM TEST REPORT

Vincent Oil Corp.

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

ATTN: Jim Hall

20-29s.-22w.

Ellis 3-20

Job Ticket: 49545 **DST#: 1**

Test Start: 2012.09.13 @ 02:40:38

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 05:14:23
Time Test Ended: 11:47:08

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

Interval: 5295.00 ft (KB) To 5310.00 ft (KB) (TVD)
Total Depth: 5310.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

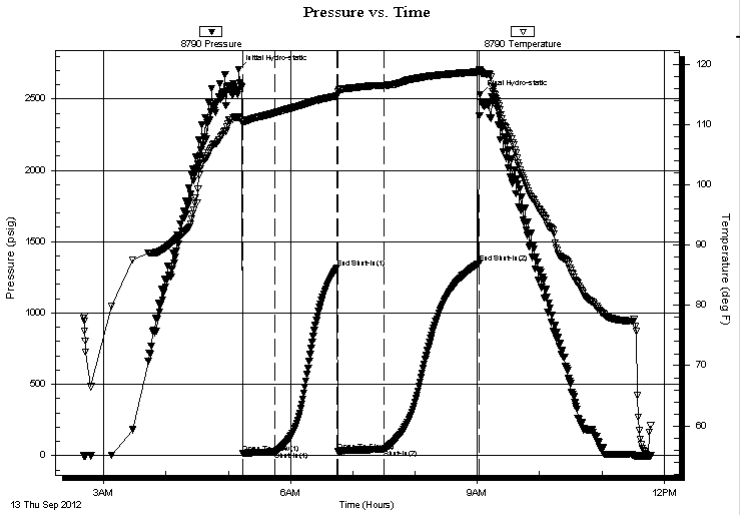
Reference Elevations: 2493.00 ft (KB)
2481.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8790 **Inside**

Press@RunDepth: 45.12 psig @ 5296.00 ft (KB)
Start Date: 2012.09.13 End Date: 2012.09.13
Start Time: 02:40:43 End Time: 11:47:08

Capacity: 8000.00 psig
Last Calib.: 2012.09.13
Time On Btm: 2012.09.13 @ 05:10:08
Time Off Btm: 2012.09.13 @ 09:02:38

TEST COMMENT: IF: Weak blow . 1/4" - 3/4"
ISI: No blow
FF: Fair blow . 2" - 6"
FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2707.60	111.35	Initial Hydro-static
5	14.40	110.46	Open To Flow (1)
35	26.85	112.01	Shut-In(1)
95	1316.07	114.79	End Shut-In(1)
96	28.58	115.47	Open To Flow (2)
141	45.12	116.53	Shut-In(2)
232	1348.20	118.81	End Shut-In(2)
233	2530.77	119.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	GOCM 10%gas, 10%oil, 80%mud	0.15

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

20-29s.-22w.

Ellis 3-20

Job Ticket: 49545 **DST#: 1**

Test Start: 2012.09.13 @ 02:40:38

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:	7800 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7800.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	GOCM 10%gas, 10%oil, 80%mud	0.152

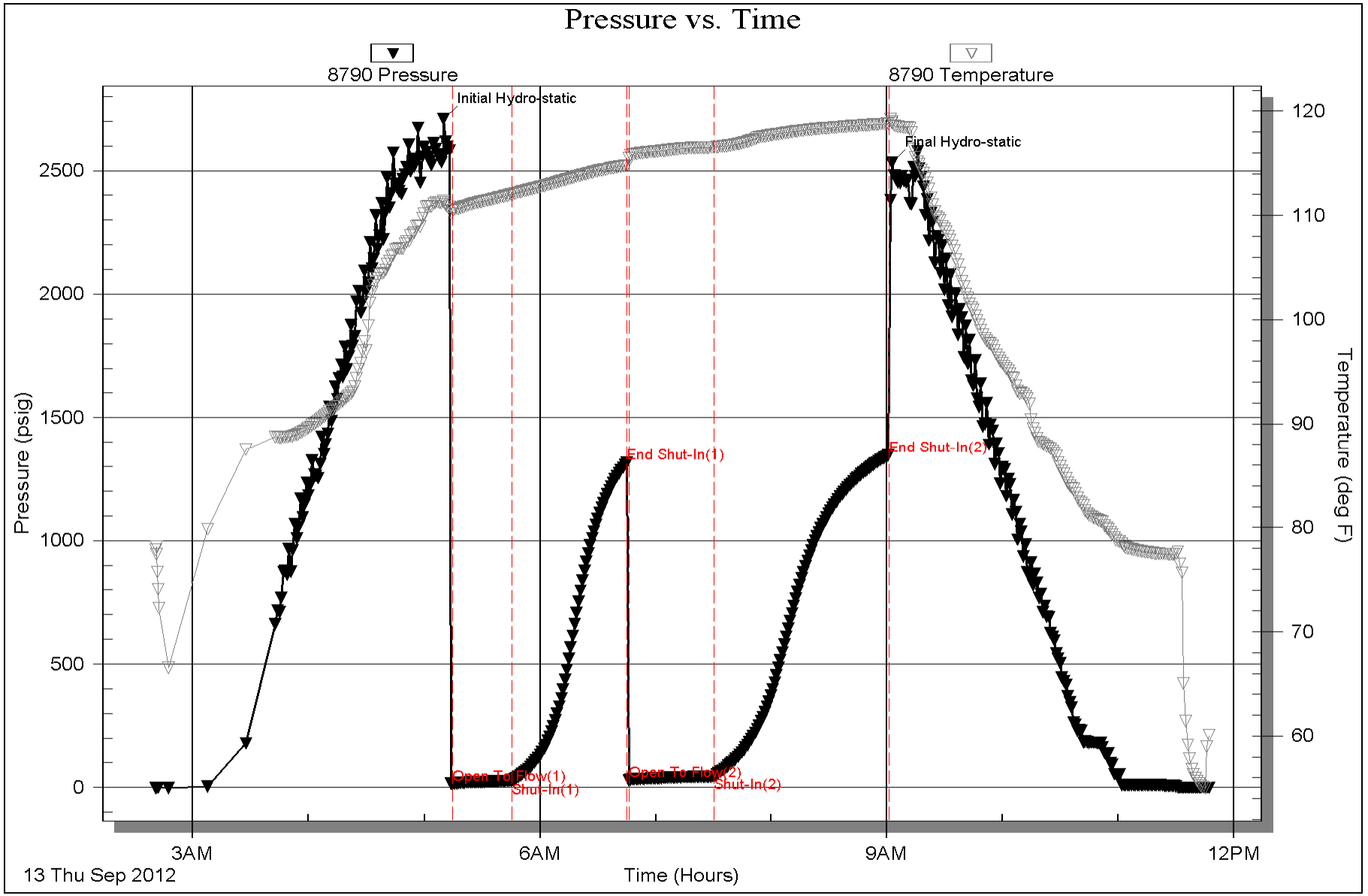
Total Length: 25.00 ft Total Volume: 0.152 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8790 **Inside** Vincent Oil Corp. Ellis 3-20 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 49545 Printed: 2012.09.13 @ 12:04:47

DRILL STEM TEST REPORT

Vincent Oil Corp.

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

ATTN: Jim Hall

20-29s.-22w.

Ellis 3-20

Job Ticket: 49546 **DST#: 2**

Test Start: 2012.09.13 @ 20:26:53

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 23:27:08
Time Test Ended: 05:43:38

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

Interval: 5154.00 ft (KB) To 5329.00 ft (KB) (TVD)
Total Depth: 5329.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

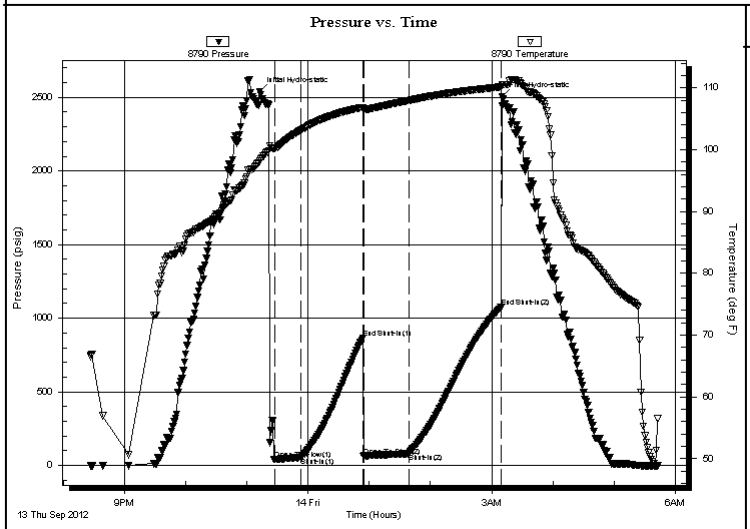
Reference Elevations: 2493.00 ft (KB)
2481.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8790 **Inside**

Press@RunDepth: 80.87 psig @ 5155.00 ft (KB)
Start Date: 2012.09.13 End Date: 2012.09.14
Start Time: 20:26:58 End Time: 05:43:38

Capacity: 8000.00 psig
Last Calib.: 2012.09.14
Time On Btm: 2012.09.13 @ 23:12:53
Time Off Btm: 2012.09.14 @ 03:10:23

TEST COMMENT: IF: Strong blow . 1/4" - BOB @15min. No GTS
ISI: Weak 1/4" - surf. (10-18min.)
FF: Good blow . 1" - 9"
FSI: Weak surf. BB (18-32min.)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2540.81	98.19	Initial Hydro-static
15	40.61	100.16	Open To Flow (1)
41	55.90	103.19	Shut-In(1)
101	866.51	106.84	End Shut-In(1)
102	60.68	106.52	Open To Flow (2)
146	80.87	107.92	Shut-In(2)
237	1077.35	110.15	End Shut-In(2)
238	2505.84	110.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	SLI OGM 0.5%oil, 0.5%gas, 99%mud	0.33

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Vincent Oil Corp.

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

ATTN: Jim Hall

20-29s.-22w.

Ellis 3-20

Job Ticket: 49546 **DST#: 2**

Test Start: 2012.09.13 @ 20:26:53

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 23:27:08
Time Test Ended: 05:43:38

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

Interval: 5154.00 ft (KB) To 5329.00 ft (KB) (TVD)
Total Depth: 5329.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

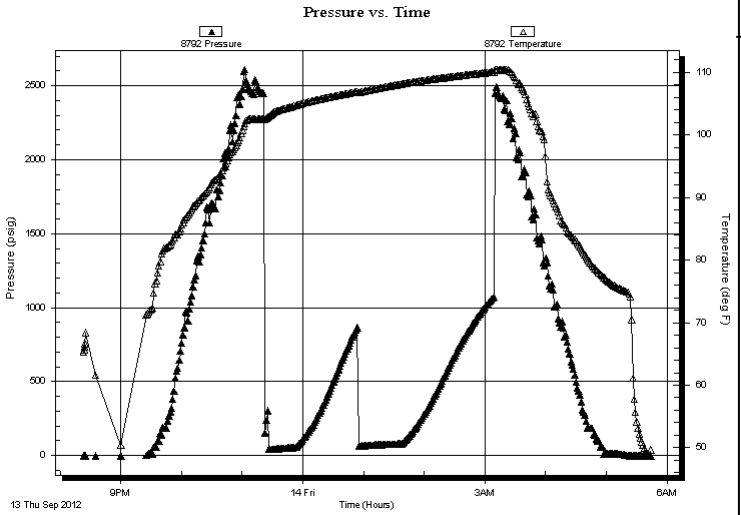
Reference Elevations: 2493.00 ft (KB)
2481.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8792 **Outside**

Press@RunDepth: psig @ 5155.00 ft (KB)
Start Date: 2012.09.13 End Date: 2012.09.14
Start Time: 20:23:12 End Time: 05:44:07

Capacity: 8000.00 psig
Last Calib.: 2012.09.14
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow . 1/4" - BOB @15min. No GTS
ISI: Weak 1/4" - surf. (10-18min.)
FF: Good blow . 1" - 9"
FSI: Weak surf. BB (18-32min.)



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
55.00	SLI OGM 0.5%oil, 0.5%gas, 99%mud	0.33

* Recovery from multiple tests

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

20-29s.-22w.

Ellis 3-20

Job Ticket: 49546 **DST#: 2**

Test Start: 2012.09.13 @ 20:26:53

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:	9000 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:	9000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	SLI OGM 0.5%oil, 0.5%gas, 99%mud	0.334

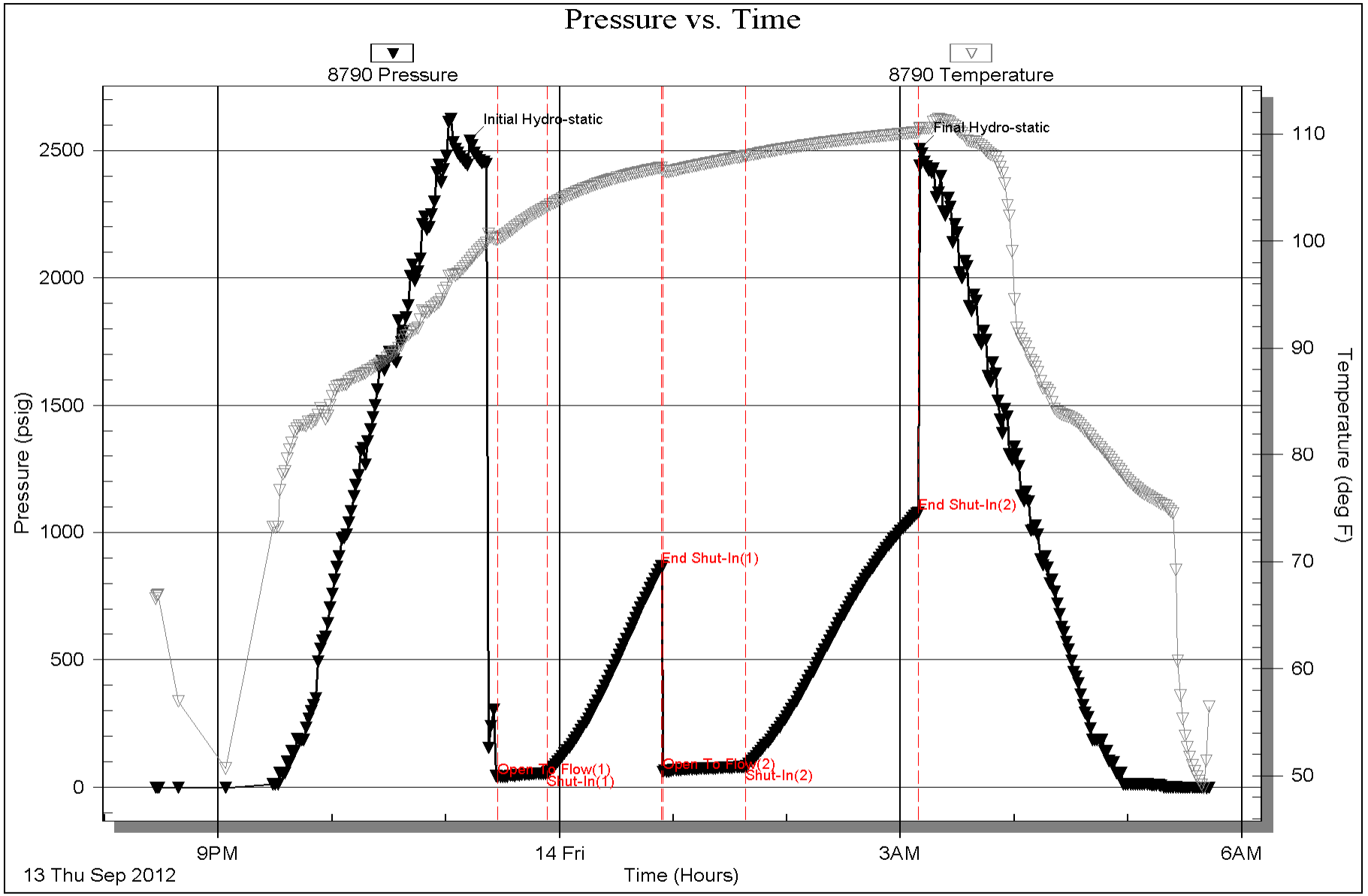
Total Length: 55.00 ft Total Volume: 0.334 bbl

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

Laboratory Name: Laboratory Location:

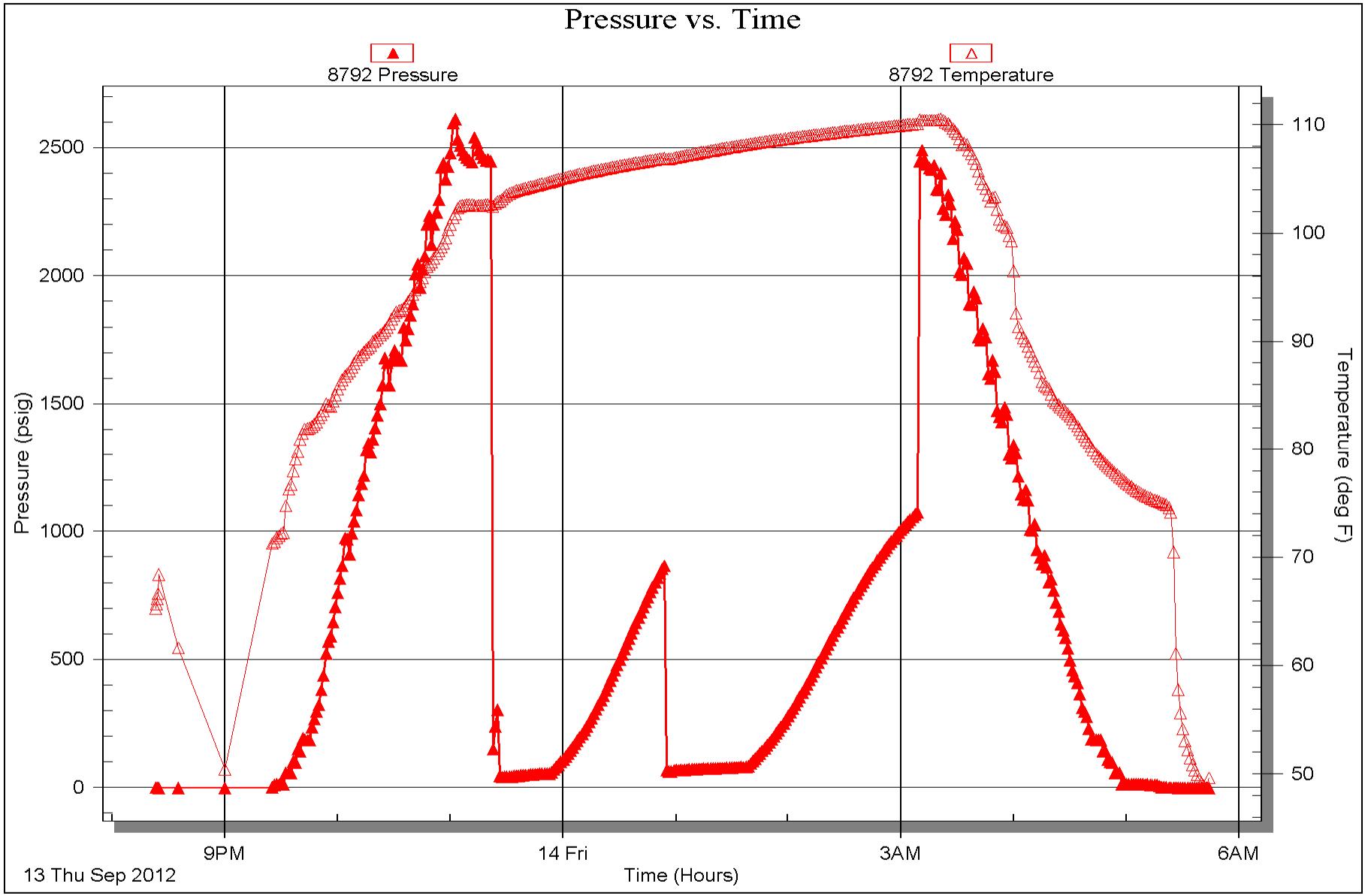
Recovery Comments:

Serial #: 8790 **Inside** Vincent Oil Corp. Ellis 3-20 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 49546 Printed: 2012.09.14 @ 13:05:59

Serial #: 8792 **Outside** Vincent Oil Corp. Ellis 3-20 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 49546 Printed: 2012.09.14 @ 13:05:59

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name:	VINCENT OIL CORP. ELLIS #3-20		
Location:	NE SE NE SW SEC. 20-T29S-R22W, FORD CO. KANSAS		
License Number:	15-057-20840-00-00	**Region:**	WILDCAT
Spud Date:	9/06/12	**Drilling Completed:**	9/14/12
Surface Coordinates:	1,730' FSL, 2,510' FWL		
Bottom Hole Coordinates:			
Ground Elevation (ft):	2.481'	**K.B. Elevation (ft):**	2,493'
Logged Interval (ft):	4,250' To: 5,425	**Total Depth (ft):**	5,425
Formation:	RTD IN; MISSISSIPPI		
Type of Drilling Fluid:	Native Mud to 3,623'. Chem. Gel. to RTD @ 5,425'.		

OPERATOR

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

GEOLOGIST

Name: James R Hall (Well Site Supervision)
Company: Black Gold Petroleum
Address: 5530 N. Sedgwick
Wichita, Kansas 67204-1828
(316) 838-2574, (316)-217-1223

Comments

Drilling contractor: Duke Drilling, Rig #6, Spud 9/06/12. Pusher: Rick Schollenbarger, RTD 5,425'.

Surface Casing: 8 5/8" set at 619' w/375sx, cement.

Production Casing: P&A 9/15/12.

Deviation Surveys: 1 deg. @ 620', 0.75 deg. @ 1,119', 0.75 deg. @ 1,526', 1 deg. @ 2,588', 1 deg. @ 4,250', @ 5,310' 1.25 deg.

Bit Record:
#1 12 1/4" out @ 620'.
#2 7 7/8" PDC Smith MI 616 in @ 620', out @ 4,250', made 3,630'in 45.75hrs.
#3 7 7/8" Smith F27I in @ 4,250', out @ 5,425', made 1,175' in 64.75 hrs.

Drilling time commenced: @ 4,250'. Minimum 10' wet and dry samples commenced: @ 4,250' to 5,425'. Samples delivered to Kansas Geological Sample Library at Wichita, Kansas.

Gas Detector: MBC Well Logging, unit # M0. Paper Output. Hotwire gas values were read off the paper chart and lagged to the drilling time by the well site geologist. The original charts were delivered to Vincent Oil Corporation.

Mud System: Mud-Co/Service Mud. Chemical Gel system @ 3,623', Mud Engineer: Justin Whiting.

DST CO. Trilobite, Pratt Ks., Tester: Ryan Reynolds.

OH Logs: Superior Well Services (Hays Kansas),
Operator: Jeff Luebbers.
DIL, CDL/CNL/PE, MEL/SON.

Note: The open hole log gamma ray and caliper curves have been placed on this sample strip log, for better correlation. From 4,200' to 5,050' the e-log curves on this strip log are approximately 4' shallow, and from 5,050' to e-log TD the curves are approximately 2' shallow.

OH Log Formation Tops: Heebner 4387 (-1894), Brown Lm 4546 (-2053), Lansing 4561 (-2068), Stark Sh 4910 (-2417), Hushpuckney Sh 4948 (-2455), Marmaton 5034 (-2541), Pawnee 5106 (-2613), Labette Sh 5132 (-2639), Cherokee Sh 5156 (-2663) , Basal Penn 5154 (-2761), Cherty Cong. 5274 (-2781), Mississippian 5280 (-2787).

DSTs

DST #1 Miss. Dolomite; 5,295' to 5,310' (15' anchor), 30, 60, 45, 90, IH 2708, IF14-27 (weak blow 3/4 inch), ISI 1316 (no blow), FF 29-45 (building to 6 inch), FSI 1348 (no blow), FH 2531, Rec; 65' gas in pipe, 65' GOCM (10%gas, 10%oil, 80%mud), BHT 119 F.

DST #2 5,154' - 5,329', 30-60-45-90, IH 2541, IF 40-56 (BOB 15min), ISI 867 (surface blow 10-18 min), FF 61-81 (9inch), FSI 1077 (surface blow 18-32min), Rec; 195' GIP, 55' VSO&GCM (<1%gas,<1%oil,99%mud), BHT 110 F.

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.

ROCK TYPES

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol
- Gyp
- Igne
- Lmst
- Meta
- Mrlst
- Salt
- Shale
- Shcol
- Shgy
- Sltst
- Ss
- Till

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

- 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

- Even
- Spotted
- Ques
- Dead

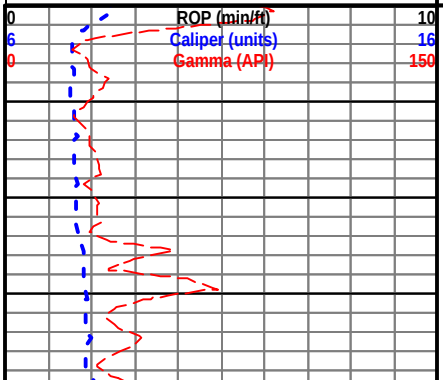
INTERVAL

- Core
- Dst

EVENT

- Rft
- Sidewall

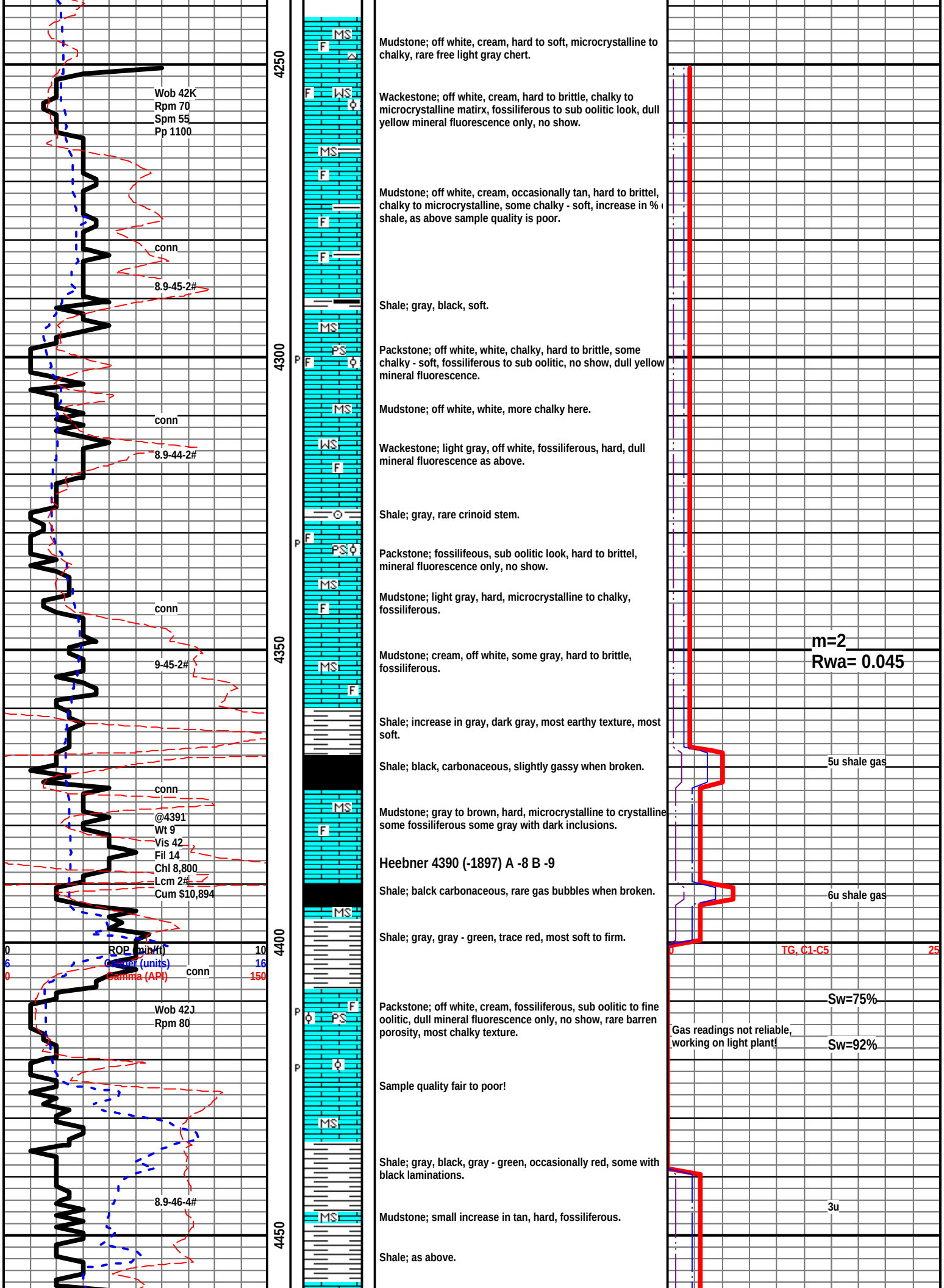
Curve Track 1	Depth	Porosity Type	Lithology	Oil Shows	Geological Descriptions	TG, C1-C5
ROP (min/ft) Caliper (units) Gamma (API)						TG (Units) C1 (units) C2 (units) C3 (units) C4 (units) C5 (units)

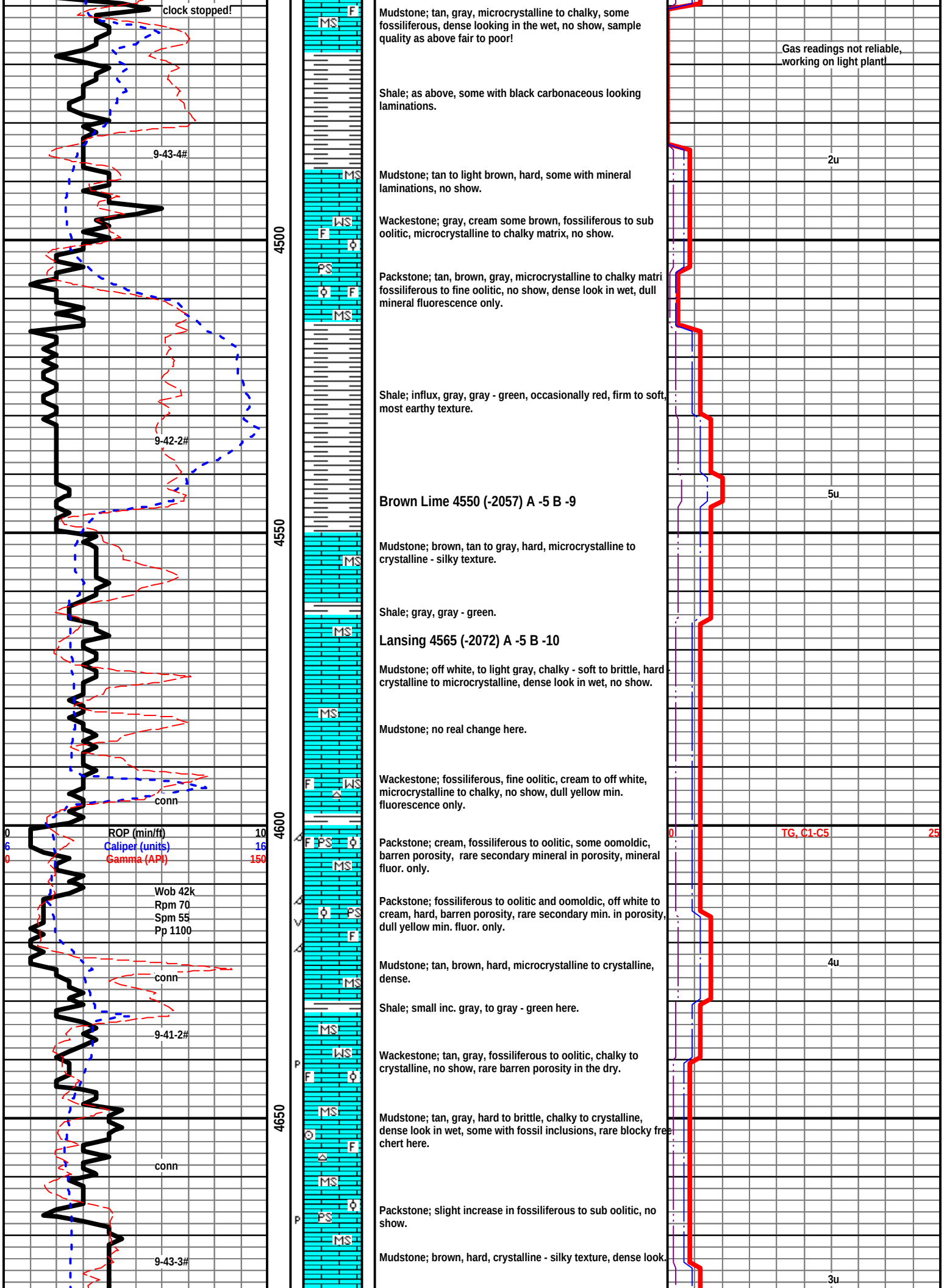


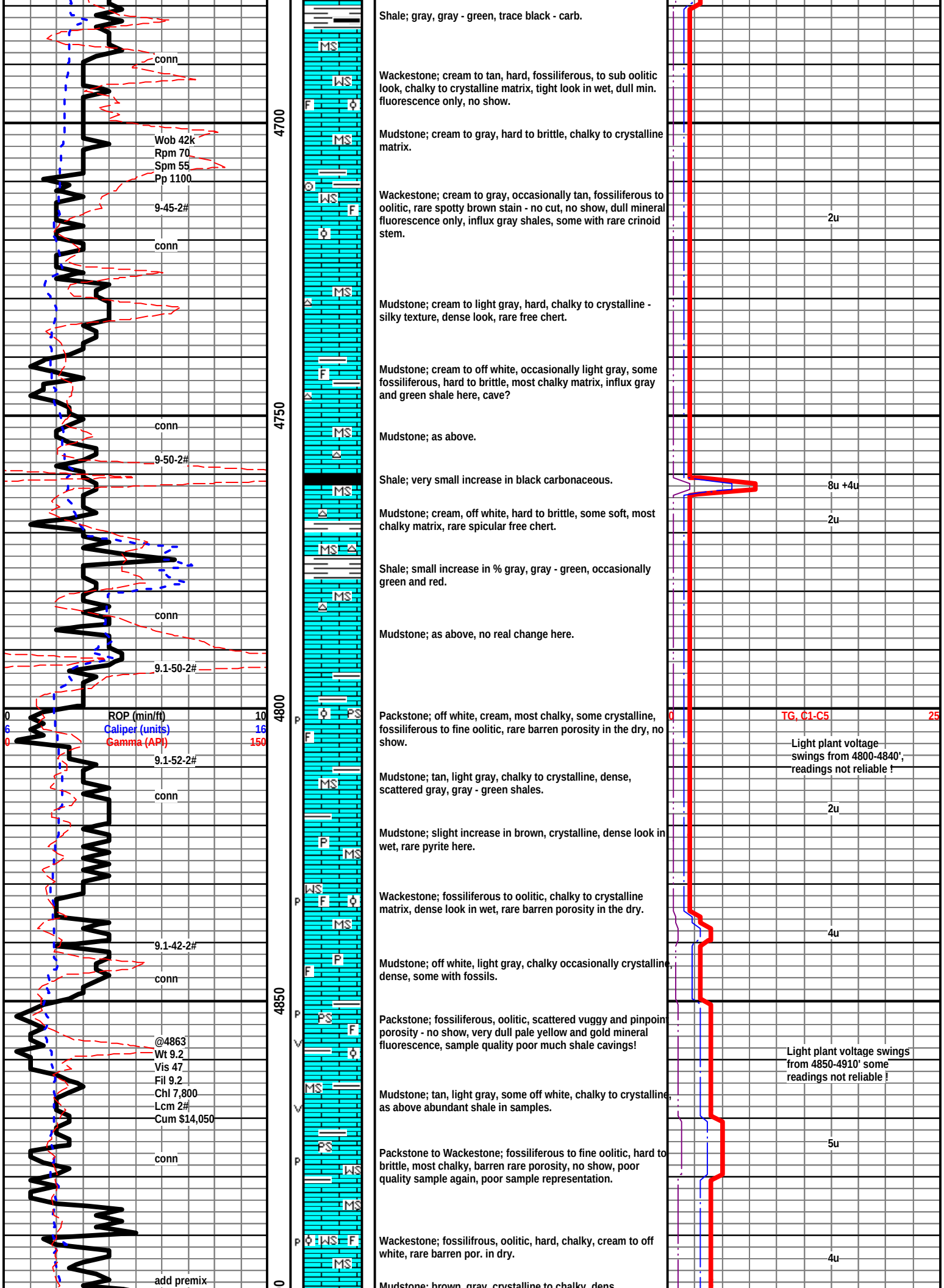
42

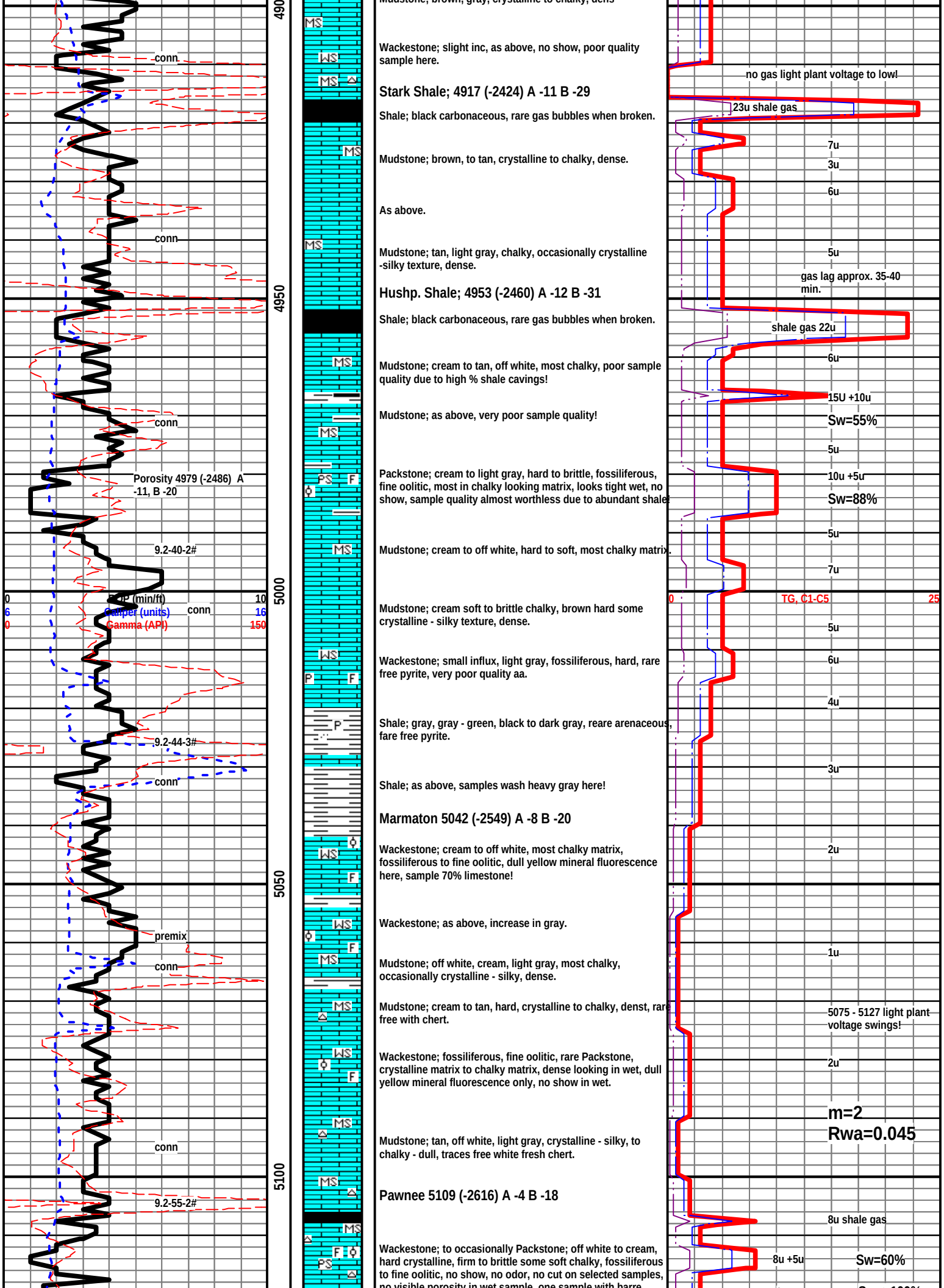
REFERENCE WELLS; 'A' PLAINS ELLIS #1-A SE/4 20-29S-22W, 'B' VINCENT ELLIS #1-20 NE/4 20-29-22W.

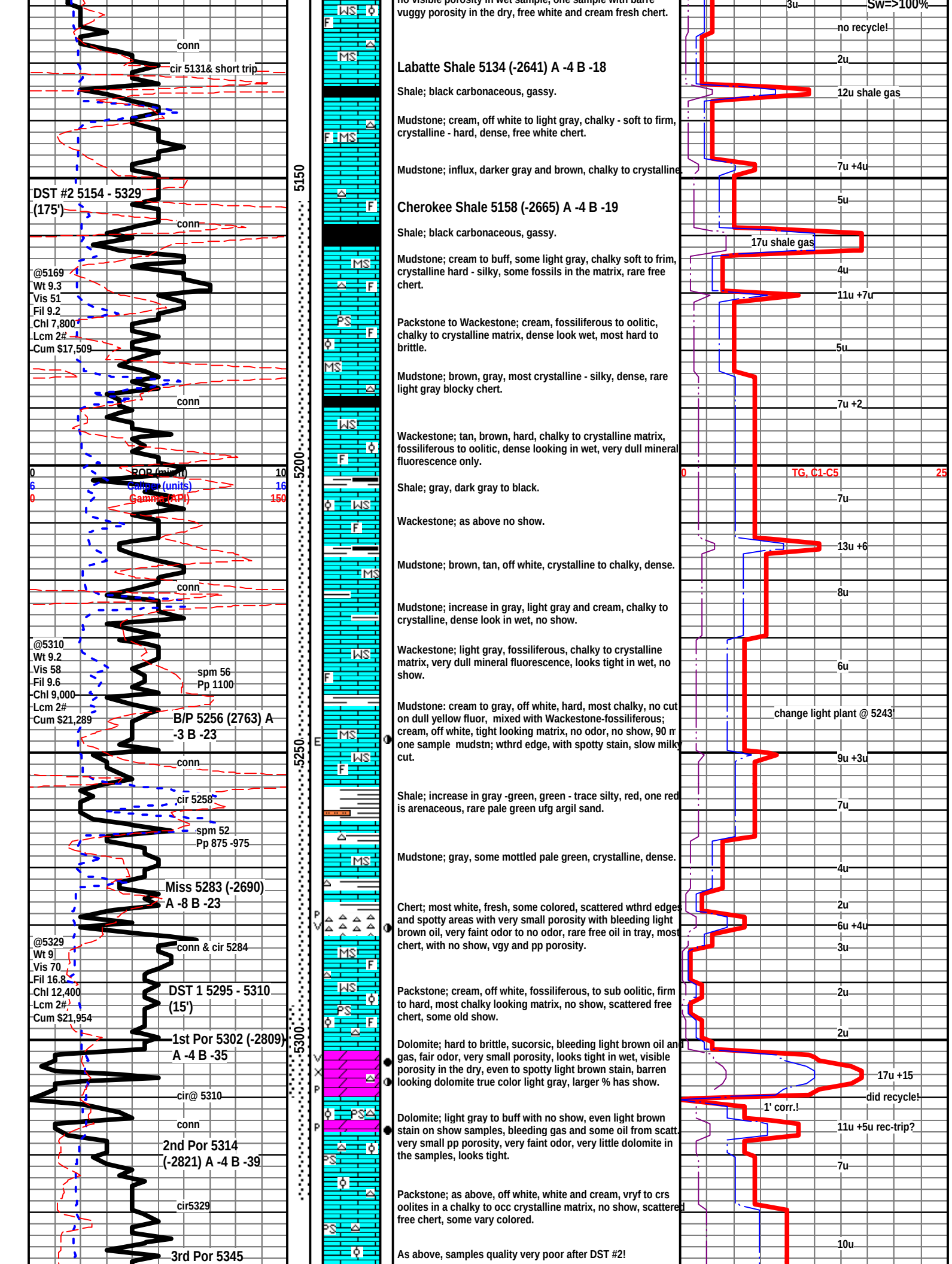
WELLSITE SUPERVISION, ON LOCATION @ 4,250'

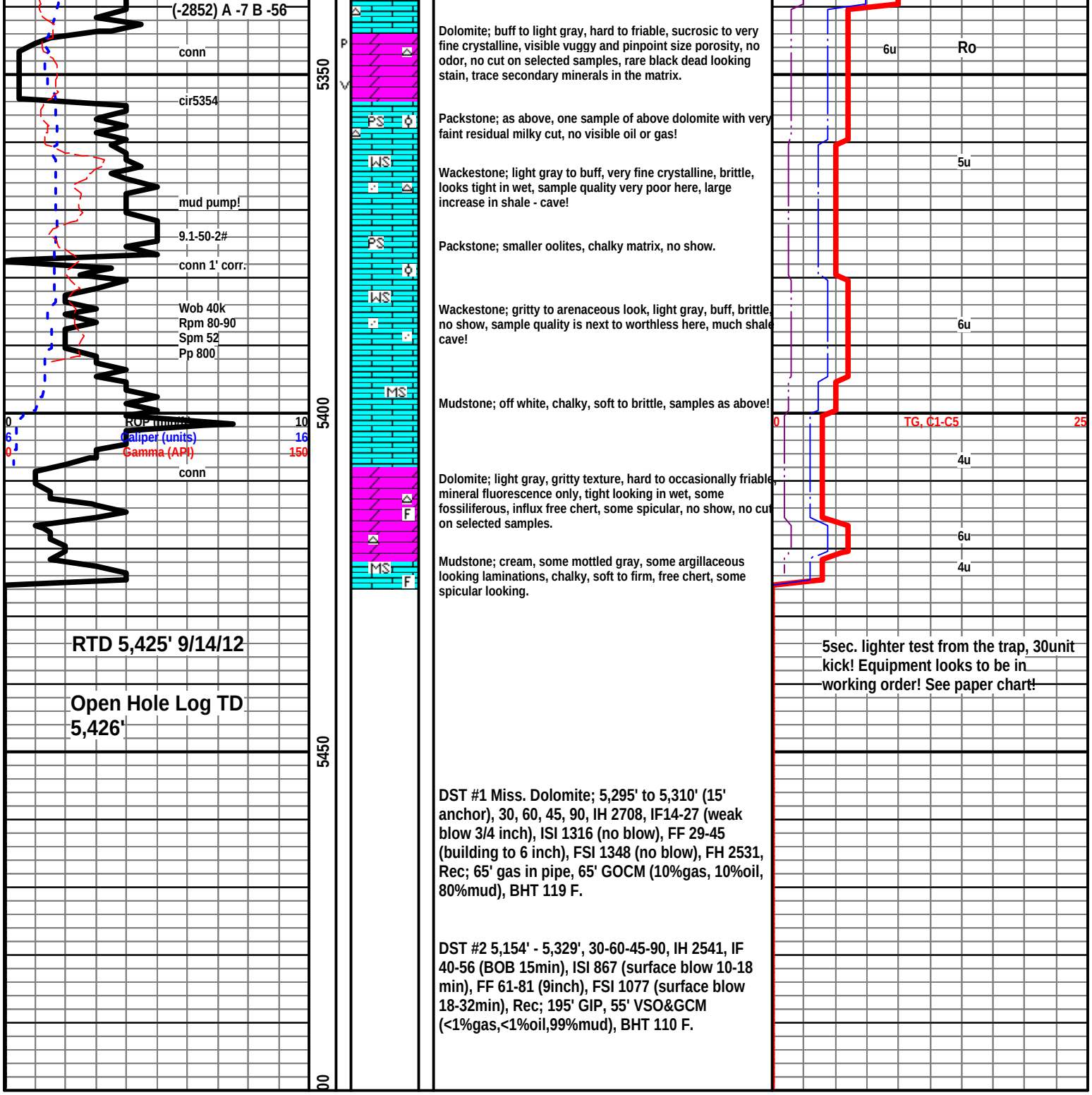

Wob 42K
Rpm 70
Spm 55
Pp 1100
conn
8.9-45-2#
conn
8.9-44-2#
conn
9-45-2#
conn
@4391
Wt 9
Vis 42
Fil 14
Chl 8,800
Lcm 2#
Cum $10,894
conn
Wob 42J
Rpm 80
8.9-46-4#
4250
4300
4350
4400
4450
0
ROP (min/ft)
10
6
Gasser (units)
16
0
Gamma (API)
150
Mudstone; off white, cream, hard to soft, microcrystalline to chalky, rare free light gray chert.
Wackestone; off white, cream, hard to brittle, chalky to microcrystalline matirx, fossiliferous to sub oolitic look, dull yellow mineral fluorescence only, no show.
Mudstone; off white, cream, occasionally tan, hard to brittel, chalky to microcrystalline, some chalky - soft, increase in % shale, as above sample quality is poor.
Shale; gray, black, soft.
Packstone; off white, white, chalky, hard to brittle, some chalky - soft, fossiliferous to sub oolitic, no show, dull yellow mineral fluorescence.
Mudstone; off white, white, more chalky here.
Wackestone; light gray, off white, fossiliferous, hard, dull mineral fluorescence as above.
Shale; gray, rare crinoid stem.
Packstone; fossilifeous, sub oolitic look, hard to brittel, mineral fluorescence only, no show.
Mudstone; light gray, hard, microcrystalline to chalky, fossiliferous.
Mudstone; cream, off white, some gray, hard to brittle, fossiliferous.
Shale; increase in gray, dark gray, most earthy texture, most soft.
Shale; black, carbonaceous, slightly gassy when broken.
Mudstone; gray to brown, hard, microcrystalline to crystalline some fossiliferous some gray with dark inclusions.
Heebner 4390 (-1897) A -8 B -9
Shale; balck carbonaceous, rare gas bubbles when broken.
Shale; gray, gray - green, trace red, most soft to firm.
Packstone; off white, cream, fossiliferous, sub oolitic to fine oolitic, dull mineral fluorescence only, no show, rare barren porosity, most chalky texture.
Sample quality fair to poor!
Shale; gray, black, gray - green, occasionally red, some with black laminations.
Mudstone; small increase in tan, hard, fossiliferous.
Shale; as above.
m=2
Rwa= 0.045
5u shale gas
6u shale gas
0
TG, C1-C5
25
Sw=75%
Gas readings not reliable, working on light plant!
Sw=92%
3u


clock stopped!
9-43-4#
9-42-2#
conn
ROP (min/ft)
Caliper (units)
Gamma (API)
Wob 42k
Rpm 70
Spm 55
Pp 1100
conn
9-41-2#
conn
9-43-3#
4500
4550
4600
4650
Mudstone; tan, gray, microcrystalline to chalky, some fossiliferous, dense looking in the wet, no show, sample quality as above fair to poor!
Shale; as above, some with black carbonaceous looking laminations.
Mudstone; tan to light brown, hard, some with mineral laminations, no show.
Wackestone; gray, cream some brown, fossiliferous to sub oolitic, microcrystalline to chalky matrix, no show.
Packstone; tan, brown, gray, microcrystalline to chalky matri fossiliferous to fine oolitic, no show, dense look in wet, dull mineral fluorescence only.
Shale; influx, gray, gray - green, occasionally red, firm to soft, most earthy texture.
Brown Lime 4550 (-2057) A -5 B -9
Mudstone; brown, tan to gray, hard, microcrystalline to crystalline - silky texture.
Shale; gray, gray - green.
Lansing 4565 (-2072) A -5 B -10
Mudstone; off white, to light gray, chalky - soft to brittle, hard - crystalline to microcrystalline, dense look in wet, no show.
Mudstone; no real change here.
Wackestone; fossiliferous, fine oolitic, cream to off white, microcrystalline to chalky, no show, dull yellow min. fluorescence only.
Packstone; cream, fossiliferous to oolitic, some oomoldic, barren porosity, rare secondary mineral in porosity, mineral fluor. only.
Packstone; fossiliferous to oolitic and oomoldic, off white to cream, hard, barren porosity, rare secondary min. in porosity, dull yellow min. fluor. only.
Mudstone; tan, brown, hard, microcrystalline to crystalline, dense.
Shale; small inc. gray, to gray - green here.
Wackestone; tan, gray, fossiliferous to oolitic, chalky to crystalline, no show, rare barren porosity in the dry.
Mudstone; tan, gray, hard to brittle, chalky to crystalline, dense look in wet, some with fossil inclusions, rare blocky free chert here.
Packstone; slight increase in fossiliferous to sub oolitic, no show.
Mudstone; brown, hard, crystalline - silky texture, dense look.
Gas readings not reliable, working on light plant!
2u
5u
4u
3u
TG, C1-C5


conn
Wob 42k
Rpm 70
Spm 55
Pp 1100
9-45-2#
conn
conn
9-50-2#
conn
9.1-50-2#
0
ROP (min/ft)
10
6
Caliper (units)
16
0
Gamma (API)
150
9.1-52-2#
conn
9.1-42-2#
conn
@4863
Wt 9.2
Vis 47
Fil 9.2
Chl 7,800
Lcm 2#
Cum $14,050
conn
add premix
4700
4750
4800
4850
MS
WS
F
PS
P
V
Shale; gray, gray - green, trace black - carb.
Wackestone; cream to tan, hard, fossiliferous, to sub oolitic look, chalky to crystalline matrix, tight look in wet, dull min. fluorescence only, no show.
Mudstone; cream to gray, hard to brittle, chalky to crystalline matrix.
Wackestone; cream to gray, occasionally tan, fossiliferous to oolitic, rare spotty brown stain - no cut, no show, dull mineral fluorescence only, influx gray shales, some with rare crinoid stem.
Mudstone; cream to light gray, hard, chalky to crystalline - silky texture, dense look, rare free chert.
Mudstone; cream to off white, occasionally light gray, some fossiliferous, hard to brittle, most chalky matrix, influx gray and green shale here, cave?
Mudstone; as above.
Shale; very small increase in black carbonaceous.
Mudstone; cream, off white, hard to brittle, some soft, most chalky matrix, rare spicular free chert.
Shale; small increase in % gray, gray - green, occasionally green and red.
Mudstone; as above, no real change here.
Packstone; off white, cream, most chalky, some crystalline, fossiliferous to fine oolitic, rare barren porosity in the dry, no show.
Mudstone; tan, light gray, chalky to crystalline, dense, scattered gray, gray - green shales.
Mudstone; slight increase in brown, crystalline, dense look in wet, rare pyrite here.
Wackestone; fossiliferous to oolitic, chalky to crystalline matrix, dense look in wet, rare barren porosity in the dry.
Mudstone; off white, light gray, chalky occasionally crystalline, dense, some with fossils.
Packstone; fossiliferous, oolitic, scattered vuggy and pinpoint porosity - no show, very dull pale yellow and gold mineral fluorescence, sample quality poor much shale cavings!
Mudstone; tan, light gray, some off white, chalky to crystalline, as above abundant shale in samples.
Packstone to Wackestone; fossiliferous to fine oolitic, hard to brittle, most chalky, barren rare porosity, no show, poor quality sample again, poor sample representation.
Wackestone; fossilifrous, oolitic, hard, chalky, cream to off white, rare barren por. in dry.
Mudstone; brown, gray, crystalline to chalky, dens
2u
8u +4u
2u
2u
4u
5u
4u
0
TG, C1-C5
25
Light plant voltage swings from 4800-4840', readings not reliable !
Light plant voltage swings from 4850-4910' some readings not reliable !


4900
4950
5000
5050
5100
conn
conn
conn
Porosity 4979 (-2486) A -11, B -20
9.2-40-2#
ROP (min/ft)
Caliper (units)
Gamma (API)
0
6
0
10
16
150
conn
9.2-44-3#
conn
premix
conn
conn
9.2-55-2#
MS
WS
PS
P
F
Wackestone; slight inc, as above, no show, poor quality sample here.
Stark Shale; 4917 (-2424) A -11 B -29
Shale; black carbonaceous, rare gas bubbles when broken.
Mudstone; brown, to tan, crystalline to chalky, dense.
As above.
Mudstone; tan, light gray, chalky, occasionally crystalline -silky texture, dense.
Hushp. Shale; 4953 (-2460) A -12 B -31
Shale; black carbonaceous, rare gas bubbles when broken.
Mudstone; cream to tan, off white, most chalky, poor sample quality due to high % shale cavings!
Mudstone; as above, very poor sample quality!
Packstone; cream to light gray, hard to brittle, fossiliferous, fine oolitic, most in chalky looking matrix, looks tight wet, no show, sample quality almost worthless due to abundant shale!
Mudstone; cream to off white, hard to soft, most chalky matrix.
Mudstone; cream soft to brittle chalky, brown hard some crystalline - silky texture, dense.
Wackestone; small influx, light gray, fossiliferous, hard, rare free pyrite, very poor quality aa.
Shale; gray, gray - green, black to dark gray, reare arenaceous, fare free pyrite.
Shale; as above, samples wash heavy gray here!
Marmaton 5042 (-2549) A -8 B -20
Wackestone; cream to off white, most chalky matrix, fossiliferous to fine oolitic, dull yellow mineral fluorescence here, sample 70% limestone!
Wackestone; as above, increase in gray.
Mudstone; off white, cream, light gray, most chalky, occasionally crystalline - silky, dense.
Mudstone; cream to tan, hard, crystalline to chalky, denst, rare free with chert.
Wackestone; fossiliferous, fine oolitic, rare Packstone, crystalline matrix to chalky matrix, dense looking in wet, dull yellow mineral fluorescence only, no show in wet.
Mudstone; tan, off white, light gray, crystalline - silky, to chalky - dull, traces free white fresh chert.
Pawnee 5109 (-2616) A -4 B -18
Wackestone; to occasionally Packstone; off white to cream, hard crystalline, firm to brittle some soft chalky, fossiliferous to fine oolitic, no show, no odor, no cut on selected samples, no visible porosity in wet sample, one sample with barre
no gas light plant voltage to low!
23u shale gas
7u
3u
6u
5u
gas lag approx. 35-40 min.
shale gas 22u
6u
15U +10u
Sw=55%
5u
10u +5u
Sw=88%
5u
7u
0
TG, C1-C5
25
5u
6u
4u
3u
2u
1u
5075 - 5127 light plant voltage swings!
2u
m=2
Rwa=0.045
8u shale gas
8u +5u
Sw=60%


conn
cir 5131& short trip
DST #2 5154 - 5329 (175')
conn
@5169
Wt 9.3
Vis 51
Fil 9.2
Chl 7,800
Lcm 2#
Cum $17,509
conn
0 ROP (min/ft) 10
6 Caliper (units) 16
0 Gamma (API) 150
conn
@5310
Wt 9.2
Vis 58
Fil 9.6
Chl 9,000
Lcm 2#
Cum $21,289
spm 56
Pp 1100
B/P 5256 (2763) A -3 B -23
conn
cir 5258
spm 52
Pp 875 -975
Miss 5283 (-2690) A -8 B -23
@5329
Wt 9
Vis 70
Fil 16.8
Chl 12,400
Lcm 2#
Cum $21,954
conn & cir 5284
DST 1 5295 - 5310 (15')
1st Por 5302 (-2809) A -4 B -35
cir@ 5310
conn
2nd Por 5314 (-2821) A -4 B -39
cir5329
3rd Por 5345
5150
5200
5250
5300
WS
F
MS
PS
E
P
V
X
no visible porosity in wet sample, one sample with barre
vuggy porosity in the dry, free white and cream fresh chert.
Labatte Shale 5134 (-2641) A -4 B -18
Shale; black carbonaceous, gassy.
Mudstone; cream, off white to light gray, chalky - soft to firm, crystalline - hard, dense, free white chert.
Mudstone; influx, darker gray and brown, chalky to crystalline.
Cherokee Shale 5158 (-2665) A -4 B -19
Shale; black carbonaceous, gassy.
Mudstone; cream to buff, some light gray, chalky soft to frim, crystalline hard - silky, some fossils in the matrix, rare free chert.
Packstone to Wackestone; cream, fossiliferous to oolitic, chalky to crystalline matrix, dense look wet, most hard to brittle.
Mudstone; brown, gray, most crystalline - silky, dense, rare light gray blocky chert.
Wackestone; tan, brown, hard, chalky to crystalline matrix, fossiliferous to oolitic, dense looking in wet, very dull mineral fluorescence only.
Shale; gray, dark gray to black.
Wackestone; as above no show.
Mudstone; brown, tan, off white, crystalline to chalky, dense.
Mudstone; increase in gray, light gray and cream, chalky to crystalline, dense look in wet, no show.
Wackestone; light gray, fossiliferous, chalky to crystalline matrix, very dull mineral fluorescence, looks tight in wet, no show.
Mudstone: cream to gray, off white, hard, most chalky, no cut on dull yellow fluor, mixed with Wackestone-fossiliferous; cream, off white, tight looking matrix, no odor, no show, 90 m one sample mudstn; wthrd edge, with spotty stain, slow milky cut.
Shale; increase in gray -green, green - trace silty, red, one red is arenaceous, rare pale green ufg argil sand.
Mudstone; gray, some mottled pale green, crystalline, dense.
Chert; most white, fresh, some colored, scattered wthrd edges and spotty areas with very small porosity with bleeding light brown oil, very faint odor to no odor, rare free oil in tray, most chert, with no show, vgy and pp porosity.
Packstone; cream, off white, fossiliferous, to sub oolitic, firm to hard, most chalky looking matrix, no show, scattered free chert, some old show.
Dolomite; hard to brittle, sucorsic, bleeding light brown oil and gas, fair odor, very small porosity, looks tight in wet, visible porosity in the dry, even to spotty light brown stain, barren looking dolomite true color light gray, larger % has show.
Dolomite; light gray to buff with no show, even light brown stain on show samples, bleeding gas and some oil from scatt. very small pp porosity, very faint odor, very little dolomite in the samples, looks tight.
Packstone; as above, off white, white and cream, vryf to crs oolites in a chalky to occ crystalline matrix, no show, scattered free chert, some vary colored.
As above, samples quality very poor after DST #2!
3u
Sw=>100%
no recycle!
2u
12u shale gas
7u +4u
5u
17u shale gas
4u
11u +7u
5u
7u +2
0 TG, C1-C5 25
7u
13u +6
8u
6u
change light plant @ 5243
9u +3u
7u
4u
2u
6u +4u
3u
2u
2u
17u +15
did recycle!
1' corr.!
11u +5u rec-trip?
7u
10u


(-2852) A -7 B -56
conn
cir5354
mud pump!
9.1-50-2#
conn 1' corr.
Wob 40k
Rpm 80-90
Spm 52
Pp 800
0
ROP (min/ft)
10
6
Caliper (units)
16
0
Gamma (API)
150
conn
5350
5400
5450
P
V
PS
WS
PS
WS
MS
F
MS
F
Dolomite; buff to light gray, hard to friable, sucrosic to very fine crystalline, visible vuggy and pinpoint size porosity, no odor, no cut on selected samples, rare black dead looking stain, trace secondary minerals in the matrix.
Packstone; as above, one sample of above dolomite with very faint residual milky cut, no visible oil or gas!
Wackestone; light gray to buff, very fine crystalline, brittle, looks tight in wet, sample quality very poor here, large increase in shale - cave!
Packstone; smaller oolites, chalky matrix, no show.
Wackestone; gritty to arenaceous look, light gray, buff, brittle, no show, sample quality is next to worthless here, much shale cave!
Mudstone; off white, chalky, soft to brittle, samples as above!
Dolomite; light gray, gritty texture, hard to occasionally friable, mineral fluorescence only, tight looking in wet, some fossiliferous, influx free chert, some spicular, no show, no cut on selected samples.
Mudstone; cream, some mottled gray, some argillaceous looking laminations, chalky, soft to firm, free chert, some spicular looking.
6u
Ro
5u
6u
0
TG, C1-C5
25
4u
6u
4u
RTD 5,425' 9/14/12
Open Hole Log TD 5,426'
5sec. lighter test from the trap, 30unit kick! Equipment looks to be in working order! See paper chart!
DST #1 Miss. Dolomite; 5,295' to 5,310' (15' anchor), 30, 60, 45, 90, IH 2708, IF14-27 (weak blow 3/4 inch), ISI 1316 (no blow), FF 29-45 (building to 6 inch), FSI 1348 (no blow), FH 2531, Rec; 65' gas in pipe, 65' GOCM (10%gas, 10%oil, 80%mud), BHT 119 F.
DST #2 5,154' - 5,329', 30-60-45-90, IH 2541, IF 40-56 (BOB 15min), ISI 867 (surface blow 10-18 min), FF 61-81 (9inch), FSI 1077 (surface blow 18-32min), Rec; 195' GIP, 55' VSO&GCM (<1%gas,<1%oil,99%mud), BHT 110 F.

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/

January 04, 2013

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

Re: ACO1
API 15-057-20840-00-00
Ellis 3-20
SW/4 Sec.20-29S-22W
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