

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	RINGWALD 1-16
Doc ID	1359601

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	RINGWALD 1-16
Doc ID	1359601

Tops

Name	Top	Datum
Heebner Shale	4188	(-1809)
Brown Limestone	4333	(-1954)
Lansing	4341	(-1962)
Stark Shale	4652	(-2273)
Pawnee	4864	(-2485)
Cherokee Shale	4913	(-2534)
Base Penn Limestone	4992	(-2613)
Mississippian	5011	(-2632)
RTD	5146	(-2767)
LTD	5152	(-2773)



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1004433	1718	03/27/2017
INVOICE NUMBER			
92382434			

Pratt (620) 672-1201
 B VINCENT OIL CORPORATION
 I 155 N MARKET ST STE 700
 L WICHITA
 L KS US 67202
 T
 O **ATTN:** BRYAN HILLS

J **LEASE NAME** Ringwald 1-16
 O **LOCATION**
 B **COUNTY** Ford
 S **STATE** KS
 I **JOB DESCRIPTION** Cement-New Well Casing/Pi
 T **JOB CONTACT**
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41010987	19843		Net - 30 days	04/26/2017

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 03/17/2017 to 03/17/2017</i>				
0041010987				
171814916A Cement-New Well Casing/Pi 03/17/2017				
Cement 8 5/8 Surface				
60/40 POZ	275.00	EA	6.60	1,815.00 T
Common Cement	100.00	EA	8.80	880.00 T
Calcium Chloride	963.00	EA	0.58	556.13 T
Celloflake	69.00	EA	2.03	140.41 T
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	123.75	123.75
"Baffle Plate Alum., 8 5/8" (Blue)"	1.00	EA	93.50	93.50
"Unit Mileage Chg (PU, cars one way)"	50.00	MI	2.48	123.75
Heavy Equipment Mileage	150.00	MI	4.13	618.75
803--"Propp & Bulk Del. Chrg per ton mil	1.00	EA	1,103.45	1,103.45
Blending & Mixing Service Charge	375.00	BAG	0.77	288.75
Plug Container Util. Chg.	1.00	EA	137.50	137.50
Depth Charge; 501'-1000'	1.00	EA	660.00	660.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	96.25	96.25

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,637.24
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	276.41
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	6,913.65
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		

BASIC

energy services, L.P.

TREATMENT REPORT

Customer Vincent Oil Corporation		Lease No.		Date 3/17/2017	
Lease R19W910		Well # 1-16			
Field Order # 14916	Station Pratt, KS	Casing 8 5/8	Depth 641	County Ford	State KS
Type Job 242/8 5/8 Surface			Formation TD-640	Legal Description 16-285-21	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
8 5/8								
Depth 641	Depth	From	To	Pre Pad	Max			5 Min.
Volume 40.8	Volume	From	To	Pad	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 397	Packer Depth	From	To	Flush Freshwater	Gas Volume			Total Load

Customer Representative Mike Godfrey	Station Manager David Scott	Treater Darin Franklin
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Service Units	92911	84981	19843	70959	19862	19889	19918				
Driver Names	Darin	McGraw	McGraw	Curtis	Curtis	Curtis	Curtis				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:00pm					On location / Safety meeting
					8 5/8 casing set at 641'
					275 sk 60/40 PO2, 3% calcium chloride
					2% Gel, 1/4 # cellofls
					14.4 ppq, 1.29 veils, 5.78 wsi
					Pipe on bottom & break circulation
6:30pm	200		3	6	Pump 3 bbls water
	200		63	6	mix 275 sk cement
					Shut down
					Release plug
	200		39	4	Start displacement
7:00pm					Shut in
					Did not bump plug
					Cement did not circulate
					Run 60' of Lin
	150		21	2	mix 100sk cement, 3% ucc
					Circulate cement
					Job complete / Darin & crew
					Thank you!!

QUALITY WELL SERVICE, INC.

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	3-25-17	Sec	16	Twp.	28	Range	21	County	Ford	State	Ks	On Location	11:00AM	Finish	1:30pm.
Lease	Original	Well No	1-16		Location		West of Pratt ^{Millerville} on 400 to 133rd.								
Contractor	Duke	Owner		1/2 N. W. into											
Type Job	Rekey Plug	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	7 7/8	I.D.													
Csg	8 5/8	Depth		Charge To: cement											
Thg Size	4.5 Drill Pipe	Depth		1390											
Tool		Depth		Street											
Cement Left in Csg		Shoe Joint		City											
Meas Line		Displace		State											
				The above was done to satisfaction and supervision of owner agent or contractor.											
				Cement Amount Ordered 170 sk 60/40 4% Gel											
EQUIPMENT															
Pumptrk	8	No	Derrick		Common 110										
Bulktrk	10	No	Derrick		Poz. Mix 70										
Bulktrk		No			Gel. 6										
Pickup		No			Caicum										
JOB SERVICES & REMARKS															
Rat Hole	30 sk		Hulis												
Mouse Hole	20 sk		Salt												
Centralizers	Flowseal														
Baskets	Kol-Seal														
D/V or Port Collar	Mud CLR 48														
1 st Pumped	50 sk 60/40 4% Gel @ 1390		CFL-117 or CD110 CAF 38												
2 nd Pumped	50 sk 60/40 4% Gel @ 660		Sand												
3 rd Pumped	30 sk 60/40 4% Gel @ 60' to surface		Handling 184												
4 th Pumped	30 sk 60/40 4% Gel in Rat Hole. 20 sk in mouse hole.		Mileage 50												
FLOAT EQUIPMENT															
Guide Shoe															
Centralizer															
Baskets															
AFU Inserts															
Float Shoe															
Latch Down:															
Service supervisor															
LHW 50															
Pumptrk Charge															
Mileage 100															
														Tax	
														Discount	
														Total Charge	
Signature: Mike Hoffman															

Quality Well Service, Inc.

**PO Box 468
Pratt, KS 67124**

Invoice

Date	Invoice #
3/29/2017	C-1355

Bill To
Vineent Oil Corporation 200 W Douglas, Ste. 725 Wichita KS 67202

P.O. No	Terms	Lease Name
		Ringwald #1-16

Description	Qty	Rate	Amount
Common	110	15.50	1,705.00T
Poz	70	9.50	665.00T
Gel	6	22.00	132.00T
Plug/Rotary	1	950.00	950.00T
Handling	186	2.10	390.60T
.08 * sacks * miles	8,500	0.08	680.00T
Service Supervisor	1	150.00	150.00T
LMV	50	3.75	187.50T
Heavy Equipment Mileage	100	8.00	800.00T
Customer Discount		-2,547.04	-2,547.04
Discount Expires after 30 days from the date of the invoice		0.00	0.00
Ringwald #1-16 Ford Co.			

Thank You for your business!	Subtotal	\$3,113.06
	Sales Tax (8.15%)	\$253.71
	Total	\$3,366.77



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vincent Oil Corporation
 200 W Douglas Ave # 725
 Wichita, Ks 67202
 ATTN: Jim Hall

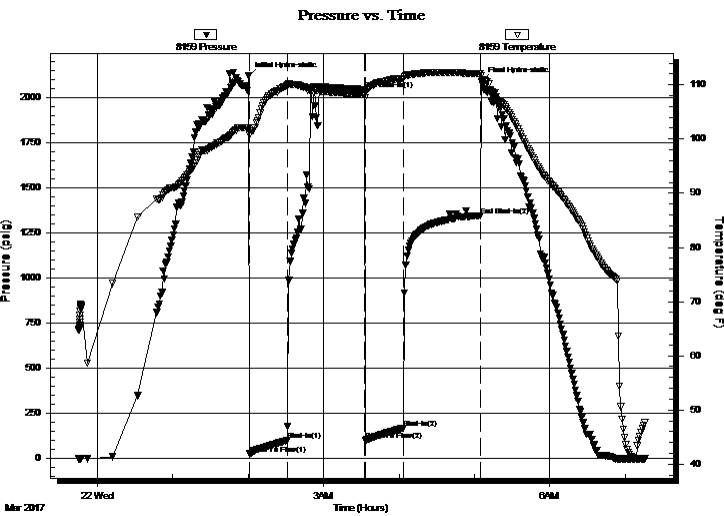
16-28S-21W Ford
Ringwald 1-16
 Job Ticket: 59929 **DST#: 1**
 Test Start: 2017.03.21 @ 23:45:07

GENERAL INFORMATION:

Formation: **Lansing "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:00:52
 Time Test Ended: 07:15:22
 Interval: **4344.00 ft (KB) To 4367.00 ft (KB) (TVD)**
 Total Depth: 4398.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle (Initial)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 2379.00 ft (KB)
 2367.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8159 **Inside**
 Press@RunDepth: 168.09 psig @ 4345.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.03.21 End Date: 2017.03.22 Last Calib.: 2017.03.22
 Start Time: 23:45:08 End Time: 07:15:22 Time On Btm: 2017.03.22 @ 02:00:22
 Time Off Btm: 2017.03.22 @ 05:05:22

TEST COMMENT: IF: Fair Blow , Built to 9 1/2 inches
 IS: No Blow Back
 FF: Fair Blow , Built to 6 inches
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.61	102.06	Initial Hydro-static
1	25.69	100.70	Open To Flow (1)
31	100.71	109.87	Shut-In(1)
93	2046.19	108.18	End Shut-In(1)
93	100.89	107.59	Open To Flow (2)
123	168.09	111.16	Shut-In(2)
185	1346.55	112.10	End Shut-In(2)
185	2090.66	111.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Water	1.74
82.00	WCM 30%W 70%M	1.15

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vincent Oil Corporation
 200 W Douglas Ave # 725
 Wichita, Ks 67202
 ATTN: Jim Hall

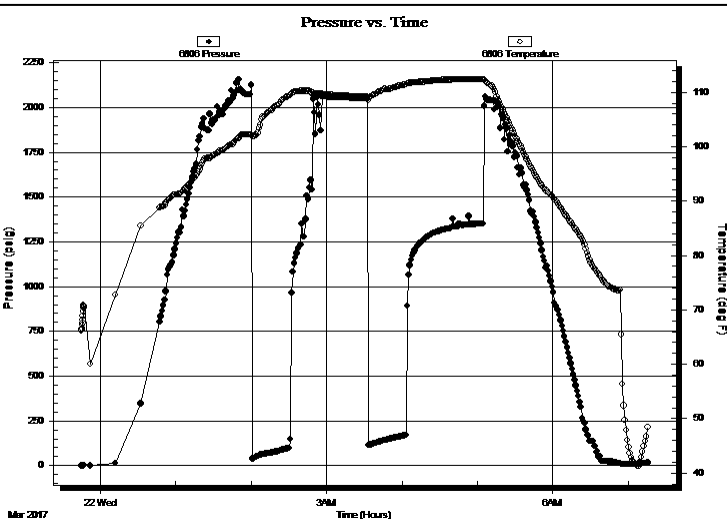
16-28S-21W Ford
Ringwald 1-16
 Job Ticket: 59929 **DST#: 1**
 Test Start: 2017.03.21 @ 23:45:07

GENERAL INFORMATION:

Formation: **Lansing "A"**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Initial)
 Time Tool Opened: 02:00:52 Tester: Leal Cason
 Time Test Ended: 07:15:22 Unit No: 74
 Interval: **4344.00 ft (KB) To 4367.00 ft (KB) (TVD)** Reference Elevations: 2379.00 ft (KB)
 Total Depth: 4398.00 ft (KB) (TVD) 2367.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 6806 Outside
 Press@RunDepth: psig @ 4345.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.03.21 End Date: 2017.03.22 Last Calib.: 2017.03.22
 Start Time: 23:45:08 End Time: 07:15:22 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Fair Blow , Built to 9 1/2 inches
 IS: No Blow Back
 FF: Fair Blow , Built to 6 inches
 FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Water	1.74
82.00	WCM 30%W 70%M	1.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation
200 W Douglas Ave # 725
Wichita, Ks 67202
ATTN: Jim Hall

16-28S-21W Ford
Ringwald 1-16
Job Ticket: 59929 **DST#: 1**
Test Start: 2017.03.21 @ 23:45:07

Mud and Cushion Information

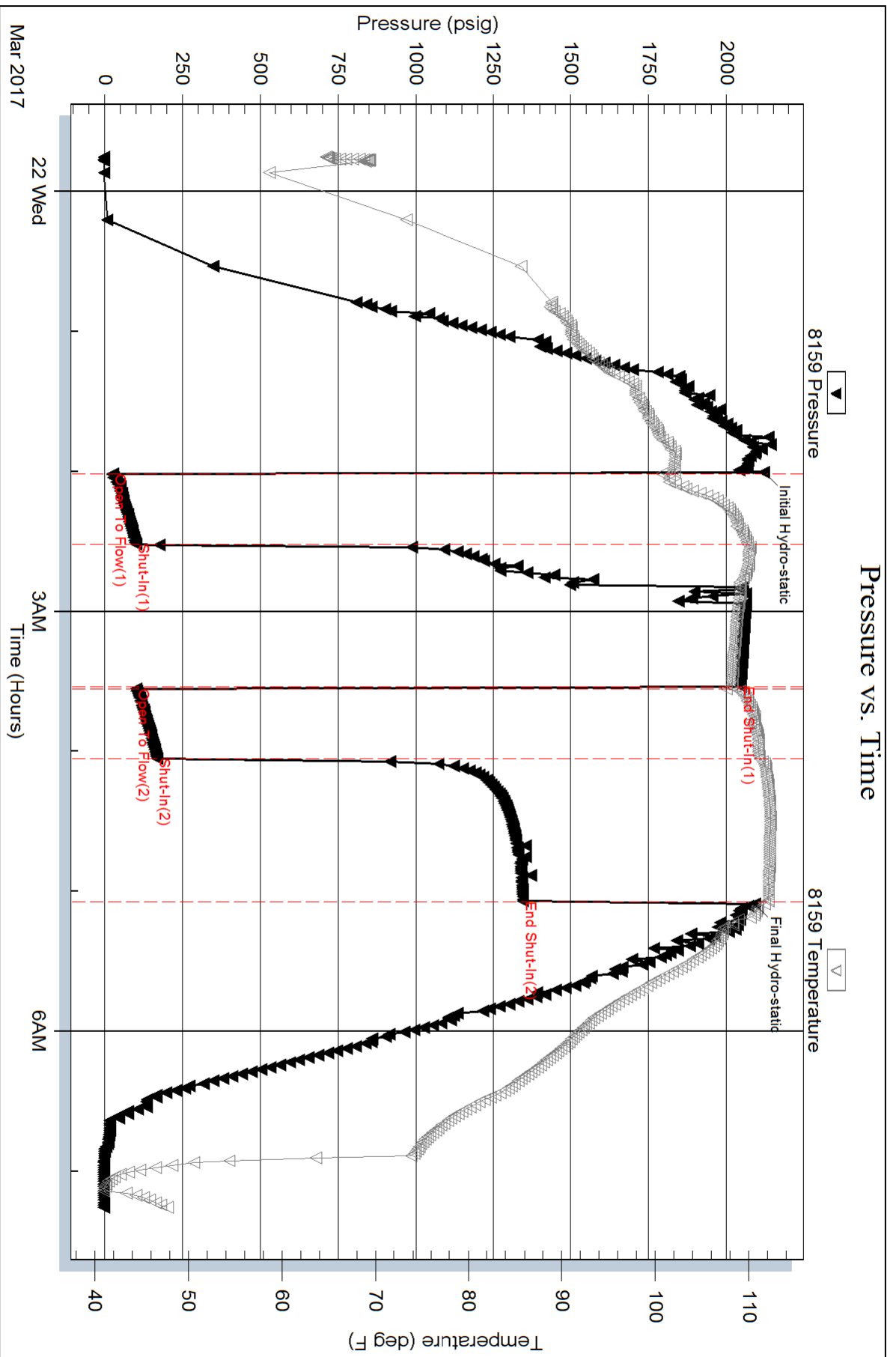
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	67000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: 0.02 inches			

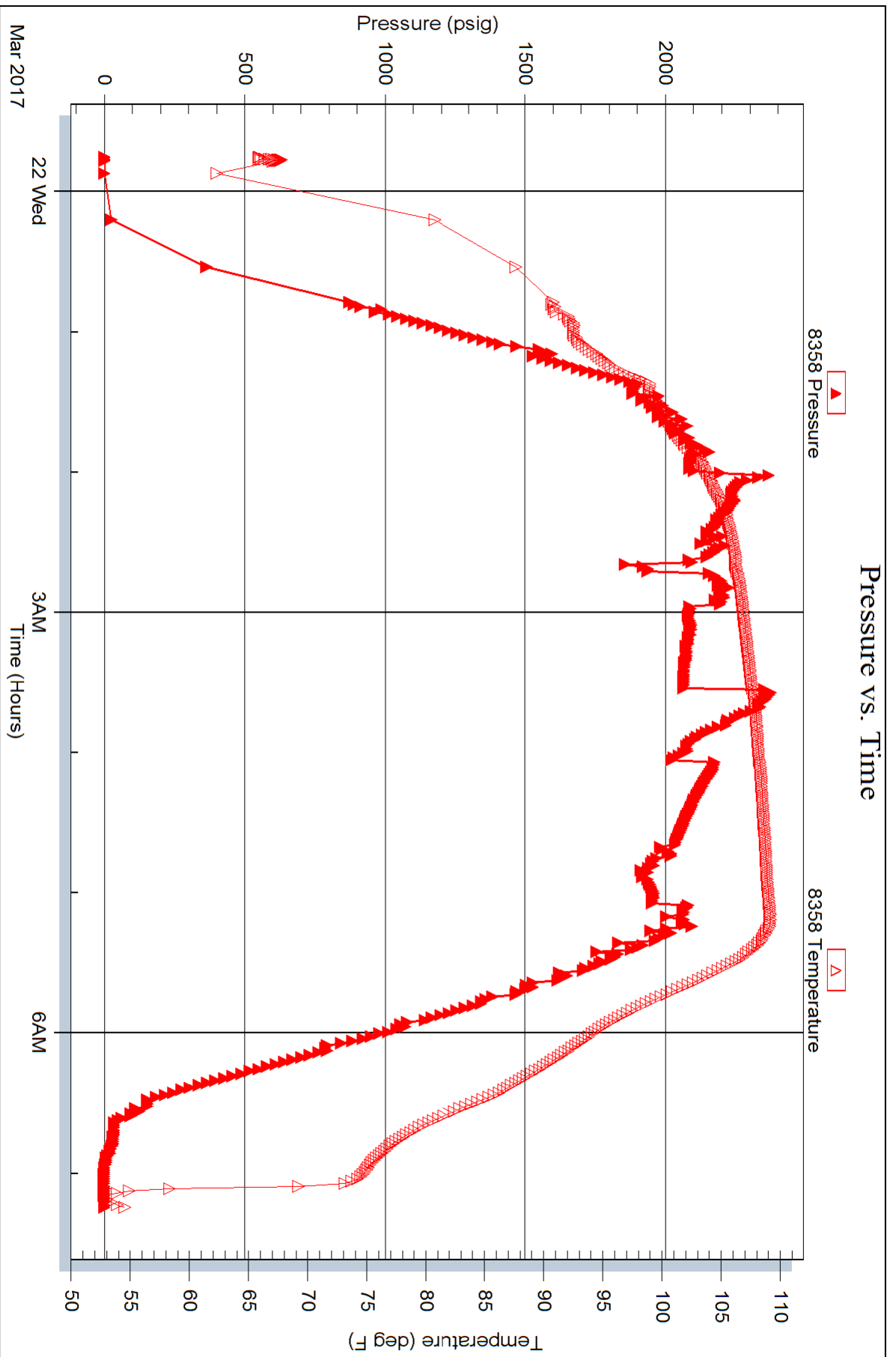
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	Water	1.739
82.00	WCM 30%W 70%M	1.150

Total Length: 206.00 ft Total Volume: 2.889 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW w as .18 @ 44 degrees



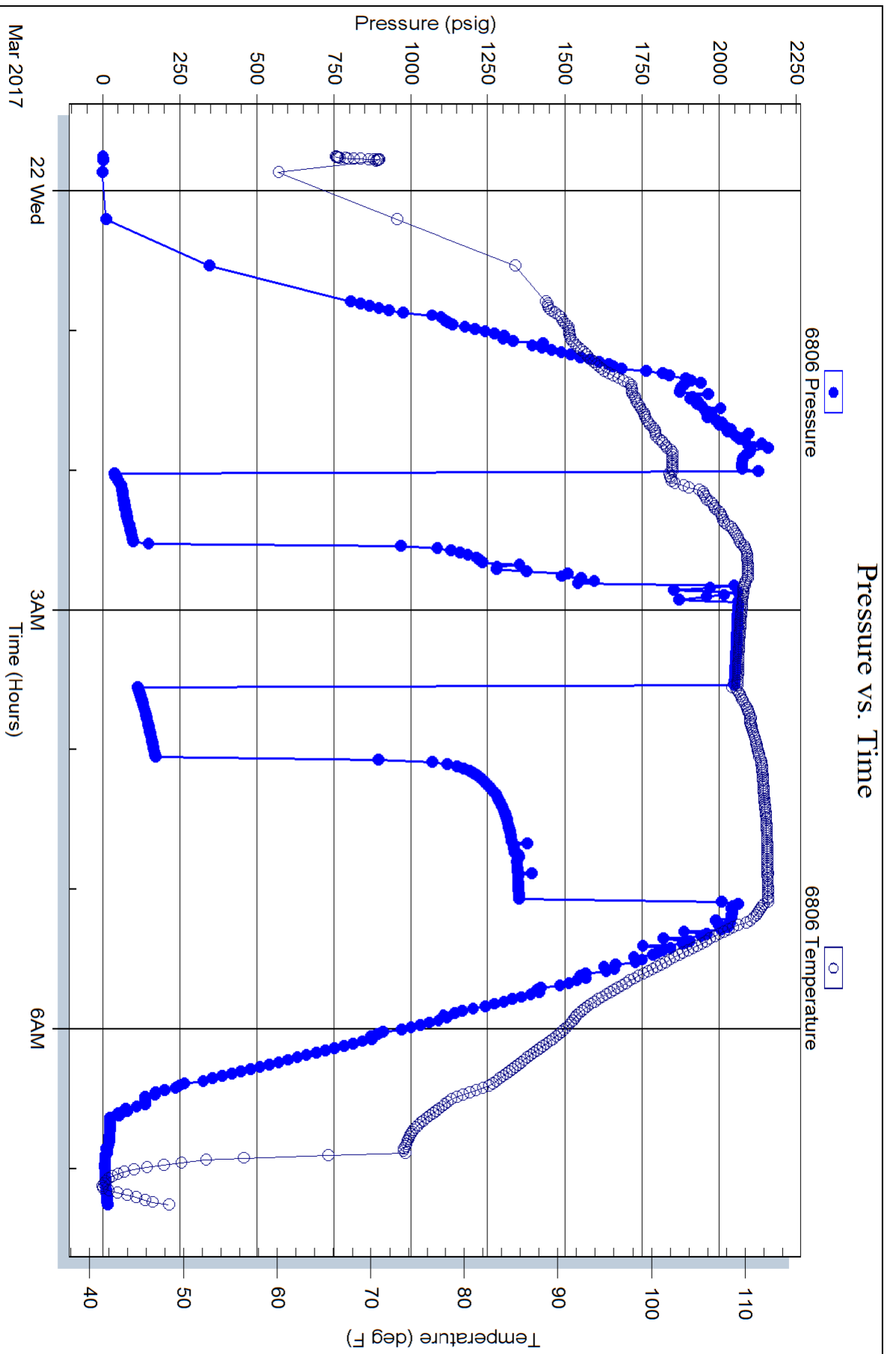


Serial #: 6806

Outside Vincent Oil Corporation

Ringw ald 1-16

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59929

Printed: 2017.03.22 @ 08:16:17

LITHOLOGY STRIP LOG

WellSight Systems

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

Measured Depth Log

Well Name: VINCENT OIL CORP. RINGWALD #1-16 NW SW SE NE

API: 15-057-20979-00-00

Location: SEC. 16, T28S, R21W, FORD CO. KANSAS

License Number: 5004

Region: WILDCAT

Spud Date: MARCH 16, 2017

Drilling Completed: MARCH 24, 2017

Surface Coordinates: 2,029' FNL, 1,001' FEL

Bottom Hole

Coordinates:

Ground Elevation (ft): 2,367'

K.B. Elevation (ft): 2,379'

Logged Interval (ft): 4,050' To: 5,146'

Total Depth (ft): 5,146'

Formation: RTD IN MISSISSIPPI

Type of Drilling Fluid: NATIVE MUD TO 3,793'. CHEMICAL GEL TO RTD

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

OPERATOR

Company: VINCENT OIL CORP.

Address: 200 W. DOUGLAS AVE #725

WICHITA, KANSAS 67202-3013

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, 316-217-1223

Comments

Drilling contractor: Duke Drilling, Rig #1, Tool Pusher; Mike Godfrey.

Surface Casing: 8 5/8" 23# set at 639' w/275sx, cement, did not circulate. Ran 1" tubing down annulas to finish cementing surface casing.

Daily Activity:

3/16/17; Spud @18:30hrs.

3/17/17; Drilled 12 1/4" hole to 640'. Set 8 5/8" surface casing @ 639'. Cement did not circulate to surface. Ran 1" tubing down annulas to finish cementing surface csg.

3/18/17; 1,302' drilling.

3/19/17; 2,550' drilling.

3/20/17; 3,360' drilling.

3/21/17; 4,204' drilling. @ 4,398' commenced DST #1, Had to short trip due to tight hole, then back to bottom and condition.

3/22/17; 4,398' finishing DST #1.

3/23/17; 4,769' drilling. Circulate Pawnee then short trip @4,886' 20 stands.

3/24/17; 5,014' circulating. Reached RTD 5,146'. Conditioned hole and trip out to run open hole logs.

3/25/17; Finished open hole logs. Vincent gave orders to P&A. Gave orders to the driller to P&A.

Deviation Surveys: 0.5 deg. @ 640', 1 deg. @ 4,398', 0.5 deg. @ 5,146'.

Bit Record:

#1 12 1/4" out @ 640'.

#2 7 7/8" JZ HA20 in @ 640' out @ 5,146', made 4,506' in 122.5 hrs.

Drilling time commenced: @ 4,050'. Maximum 10' wet and dry samples commenced: @ 4,050' to RTD. Samples delivered to Kansas Geological Sample Library at Wichita, Kansas.

Gas Detector: Blue Stem unit #5259. Digital Unit, commenced @ 4,050'.

Mud System: Mud-Co/Service Mud. Chemical Gel system @ 3,793', Mud Engineer: Justen Whitin (Dodge City Office).

**Open Hole Logs: ELI Logging, Hays Kansas,
DIL, CDL/CNL/PE (LTD to 4,000'), MEL/SON (LTD to Base Surface Csg.)**

Sample tops are placed on this Plotted Geo. Report, with the reference wells "A" Argent Energy Davis Trust #2 NE NE SW Sec 16 T28S R2W, and "B" Imperial Oil & Gas Davis Trust #1-16, SE SE SW Sec 16 T28S R21W. E-log tops datum differences shown.

This Plotted Geo. Report should be shifted approximately 4' to 6' deeper for correlation purposes with the open hole E-logs. Open hole LTD was 6' lower than RTD.

Serial #: 8159

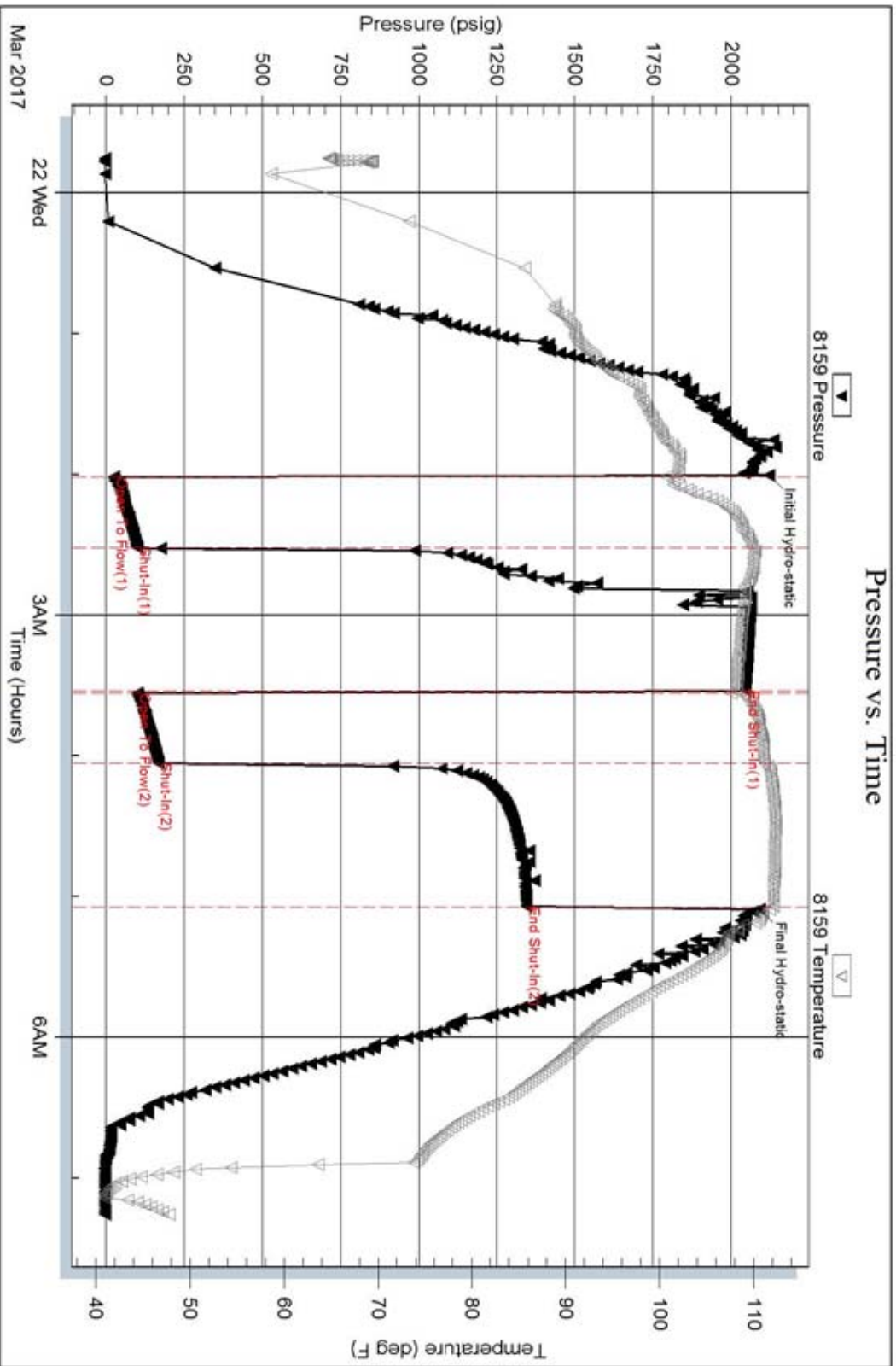
Inside

Vincent Oil Corporation

Ringw add 1-16

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 59929

Printed: 2017.03.22 @ 08:16:16

DSTs

DST #1 Lansing "A", Straddle Test 4,344' - 4,367' (23'), (31') Tail Pipe. 30-60-30-60, IH 2119, IF 26-101 (fair blow building to 9"), ISI 2046 (tool slid approx. 4' to bottom during shut-in), FF 101-168 (fair blow building to 6"), FSI 1346 (no blow), FH 2091, Rec; 82' WCM, 124' salt water, Chl 67,000ppm (Rwa 0.18 @44 deg. BHT 112 deg. (Rwa 0.07 @ BHT, ELI .06 @ 75 0.04 @ BHT). Bottom Packer held through out the test.

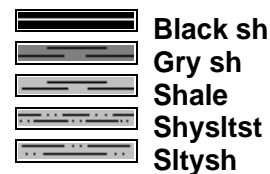
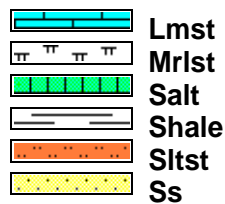
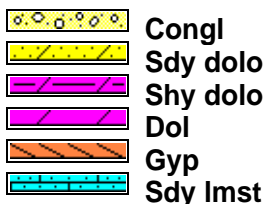
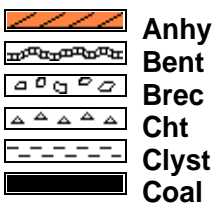
Qualifiers

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

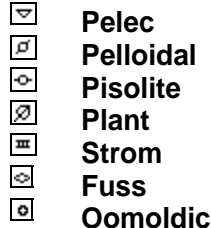
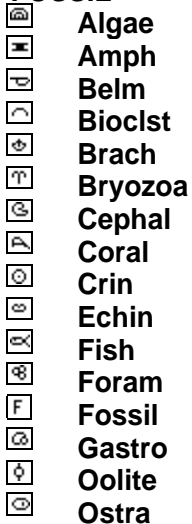


ACCESSORIES

MINERAL



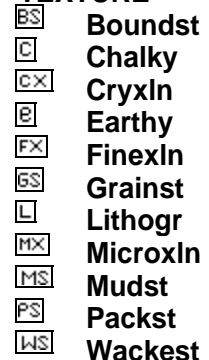
FOSSIL



STRINGER



TEXTURE



Curve Track 1

ROP (min/ft) ———
 Gamma (API) - - - -
 Caliper (API) ·····

TG, C1-C5

TG (units) ———
 C1 (units) - - - -
 C2 (units) - - - -
 C3 (units) ·····
 C4 (units) ·····
 C5 (units) ·····

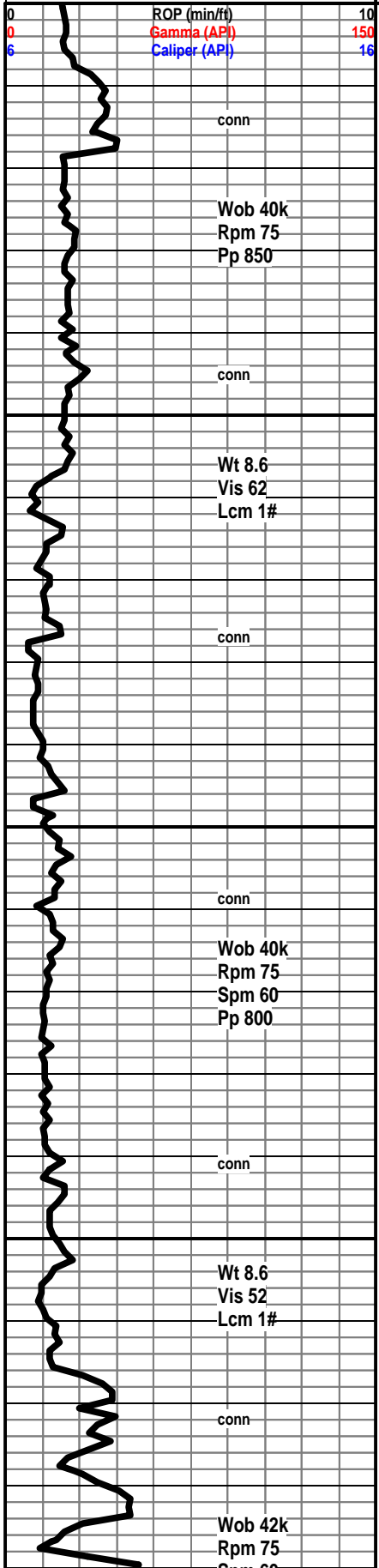
Depth

Porosity Type

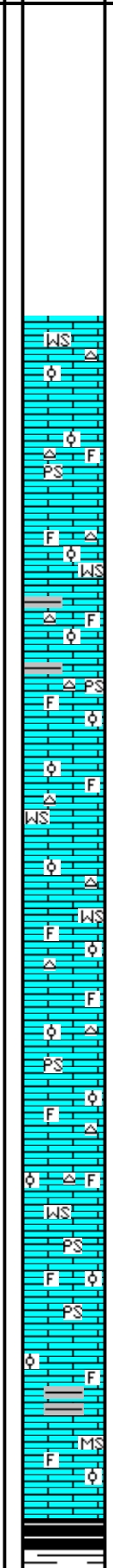
Lithology

Oil Shows

Geological Descriptions



40
4050
4100
4150



JIM HALL ON LOCATION 3/21/17.
 COMMENCED SAMPLES AND
 DRILLING TIME @4,050'.

Wackestone / Packstone; off wh, frm to britt, foss mic-ool, dull min fluor, no cut, NS, rare wrmy stn, no cut, pare pp por in dry, lt gry sharp free chert.

Wackestone / Packstone; off wh, buff, hrd-britt, foss, mic-ool, dull min fluor, rare wrmy stn, no show.

Wackestone / Packstone; buff, off wh, most britt, foss, mic-ool, rare drk wrmy stn, no show. Shale 15% 20% most gry, gry-grn, sm red, cave?

Wackestone / Packstone; buff, crm, most britt to hrd, foss, mic-ool, min flour only NS, rare free chert, sm foss, sharp. slight inc in Mudstone; off wh, chky-sft.

Wackestone / Packstone; off wh, buff to crm, britt to sft, foss, mic-ool, rare chert in mtrx, dull min fluor NS, rare free mott chert.

Sample AA; no real change here.

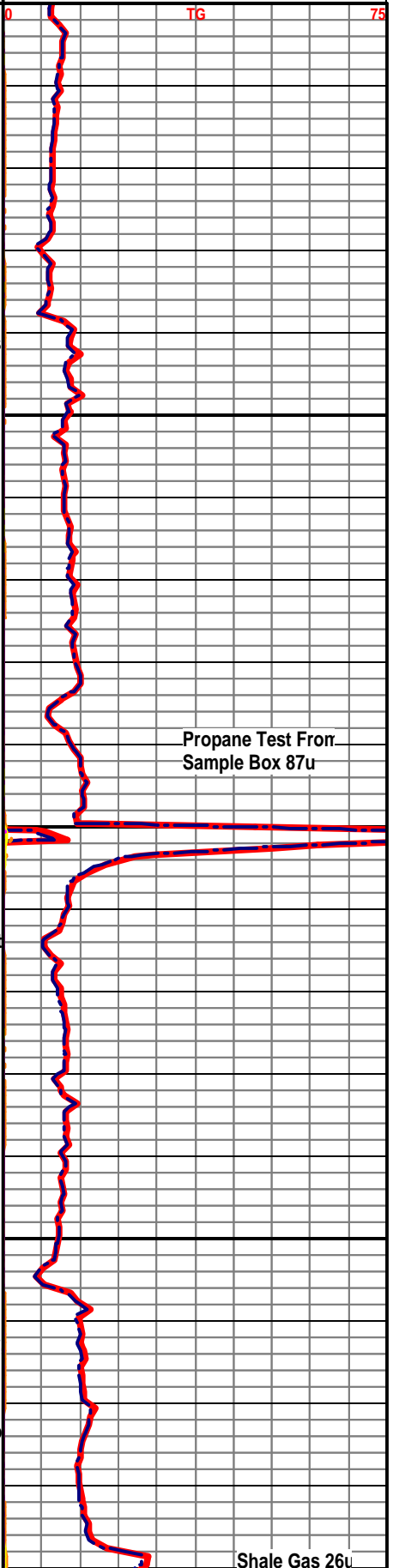
Wackestone/Packstone; crm, buff, off wh, hrd-sft, sm chky, min fluor only NS, rare off wh-gry chert, sm foss.

No real change here, sli inc in shale; gry, grn, gry rare blk lam with pyr.

Wackestone; crm, off wh, foss, mic ool, NS, sli inc in Mudstone; crm, buff, sm foss, most britt, to hard, sm w/chert

Heebner 4185 (-1806) A+12 B+1 C-1

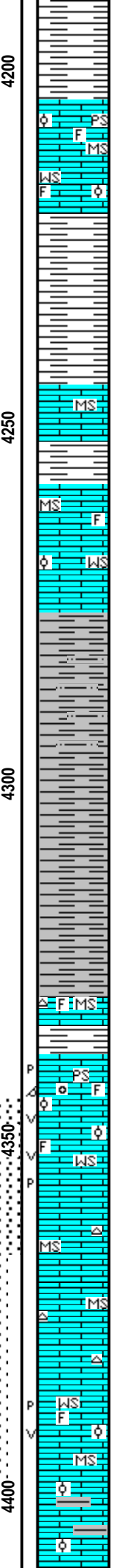
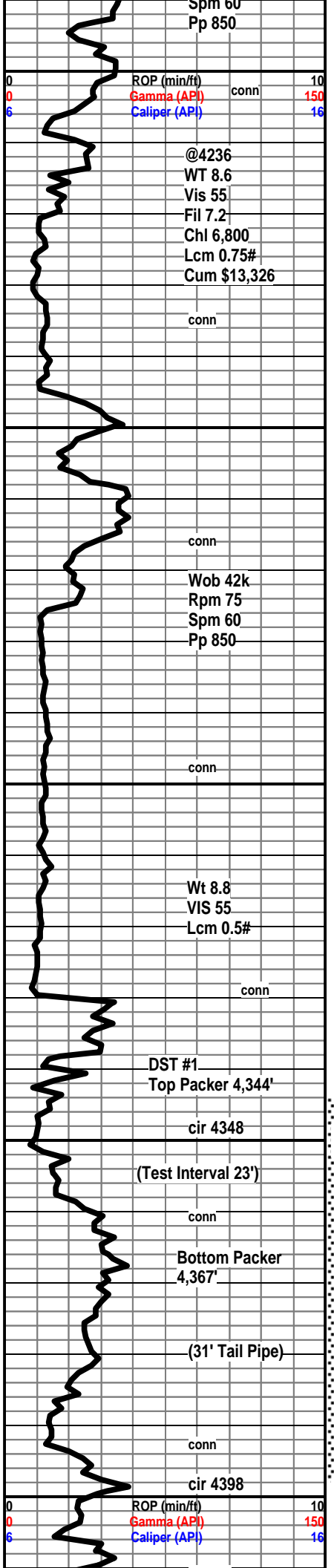
Shale; blk, sft to hrd-blky-gassy.



0
75

Propane Test Fron
 Sample Box 87u

Shale Gas 26u



Shale; gry, grn-wxy, red-rthy, poor sample representation.

Toronto 4204 (-1825) A+11 B-2 C-3
Wackestone to Packstone; crm, tan, foss, mic-ool hrd to britt, tt look in wet, min flour only no cut, no vis show wet. Mudstone; gry, hrd, blk-tab, dns look.

Shale; gry, drk gry, sft to firm, sm earthy text, poor sample representation here.

Mudstone; gry, crm, hard to sft, some chky, dense looking, NS.

Shale; gry, drk gry, sft to firm.

Mudstone; crm, off wh, sft to hrd, min flour only, NS. Wackestone in prt, crm, tan, hrd to sft, mic-ool to foss, tight looking, NS.

Shale; 15% of sample, gry, drk gry, sft, sm silty, rare free chert-cave?

Shale; 15% of sample, gry, drk gry, some blk, sft to firm, tab to platy, some silty.

Shale; 20% gry, drk gry, gry-grn, sft, some laminated.

Shale; 30% gry, gry-grn, sft, rthy texture, tab to platy, rare free chert-cave?

Brown Lime 4330 (-1951) A+14 B+4 C+2
Mudstone; tan, buff, hrd, rare foss frag, rare free chert

Lansing 4338 (-1959) A+14 B+4 C+3

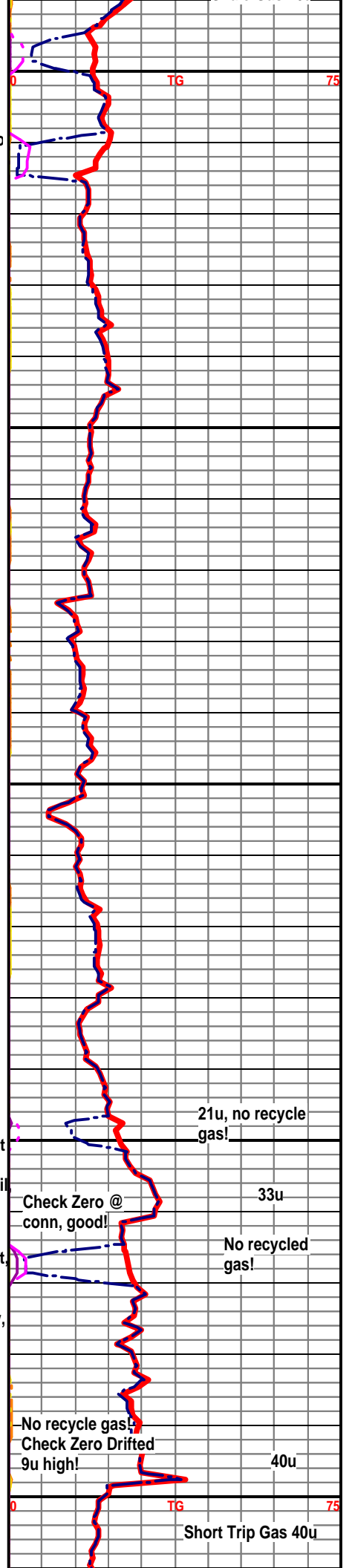
Lansing Por. 4342 (-1963) A+13 B+5 C+5
Packstone; buff, lt tan, vf-ool, fin-ool, occ oom, hard, no vis stn, no cut, no odor, no vis gas, vis pp, vgy, oom por. 80" sample 1 vf-ool, with chert inclusion, no vis stn, no vis oil, slow weak milky cut, no vis gas bubbles, poor por as above, no oil no stn.

4350 4360; Wackestone / Packstone; crm, tan, micr-foss, micr-ool, no visible show or por in wet, barren pp, vgy por dry.

Mudstone; crm, lit gry, hrd to chky, mxln to chky, dense, rare free lt and drk chert.

Lans. "B" Por. 4387 (-2008) A+9 B+3 C even.
Wackestone; crm, lt gry to buff, hrd to fri, micr-foss, micr-ool, no show, no cut on selected samples, scat pp, vgy por in dry, no vis stain or show looks barren.

Mudstone / Wackestone; crm, tan, most hrd, sft-chky, sm mic-foss to mic-ool, tt look wet, NS. Shale 30-40% cave after test?



Wt 8.9
Vis 55
Lcm 1.5#

conn

@4398
Wt 8.9
Vis 53
Fil 8.4
Chl 7,700
Lcm 2#
Cum \$14,197

conn

Wob 42k
Rpm 75
Spm 60
Pp 900

conn

Wt 8.9
Vis 55
Lcm 2#

Wt 9.1
Vis 48
Lcm 2#

conn

conn

Wt 9.1
Vis 48
Lcm 2#

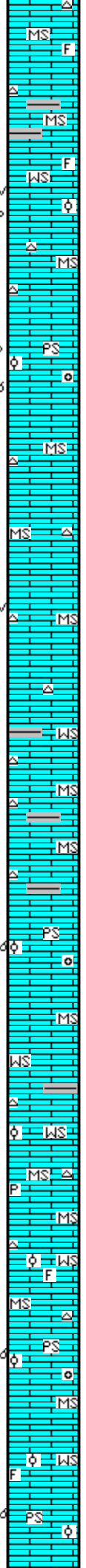
conn

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

conn

Wt 9.2
Vis 54
Lcm 2#

4450
4500
4550
4600



Mudstone / Wackestone; most aa, sm with large foss frag in mtrx, tt look wet, NS. Shale 10% aa. rare free blk, gry chert.

Mudstone / Wackestone; aa increase in drk gry to gry shales cave?

Wackestone; crm to tan, hrd-britt, micr-foss, micr-ool, rare vf xln, rare pp and vgy por in dry, no stn, no cut from sel samples.

Mudstone; crm, lt gry, hrd-frm, most dense, off wh, sft-chky, no vis por or show wet, dull to silky luster, rare free lt gry chert.

Packstone; crm, tan, frm to hrd, silky text, oom to rare fine-ool, no cut, no odor, NS.

Mudstone; off wh, gry, silky to dull text, sm mxln, no show, no vis por, rare free wh spicular chert.

Mudstone; aa, rare free wht ool chert, some tan blocky chert.

Mudstone; crm, off wh, gry, silky to dull text, some chky-sft, rare poor vgy por on Mudstone no stn, sm calc filled, rare free gry and wh chert.

Mudstone; aa, no real change here, rare free gry to brn chert.

Wackestone; sl inc off wh, micr-ool, tt lookng mtrx no stn or por in dry, trace tan oom

Packstone, silky text, no show, could be cave?

Mudstone; crm to gry, dense-hrd, silky to chky texture. Shale; sli increase in gry.

Packstone; crm, buff, tan, micr-ool, Fv-ool, oom por, no stn, no odor, no cut on selected samples.

Mudstone; crm to gry, firm to hrd, dense look in wet, Wackestone; in prt, wh micr-ool, tt look, no show.

Mudstone; crm, gry, aa, rare vgy por-no stn or show. Shale; sli increase, gry, drk gry, sm gry-grn, rare free wh ool chert. Wackestone; wh, micr-ool, to Vf-ool, tight looking, NS.

Mudstone; crm, brn-silky luster, hrd-dense, rare bone wh free chert.

Wackestone; crm, brn, micr-ool, micr-foss, NS.

Mudstone; crm, lt brn to gry-silky-dense, sm chky rare bone wh chert.

Packstone; crm, lt tan, vf-ool to oom, silky luster, no cut, no stain NS.

Wackestone; crm, tan, mic-foss to mic-ool, chky to silky mtrx, no show in wet or dry.

Packstone / Wackestone; crm, tan sm off wh, chky to silky mtrx, mic-ool to fine-ool, oom in prt, NS.

zero drifting upward!

zero @ 22u

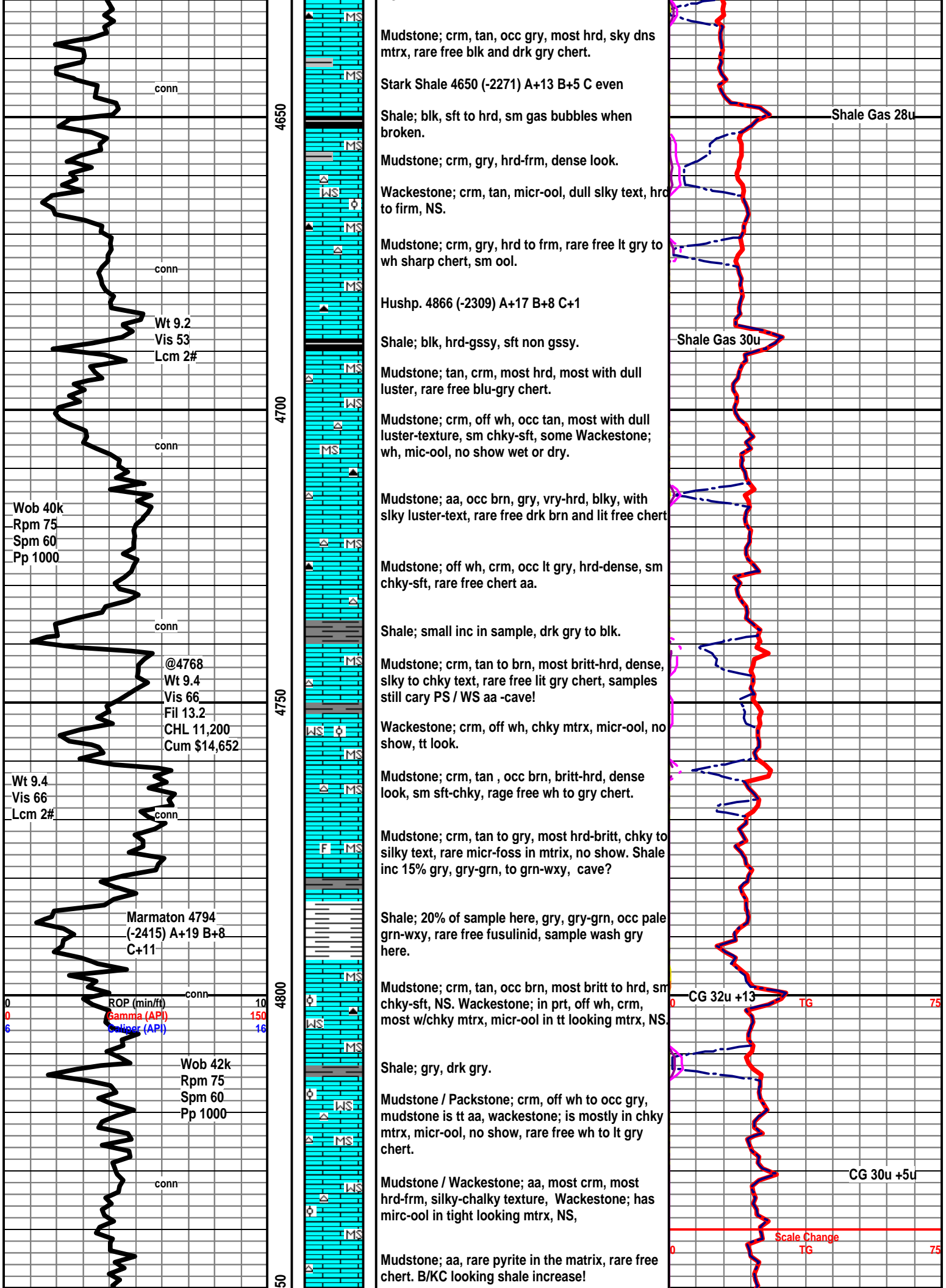
32u +10u

re-zero unit @ 4454 conn!

Test from sample box 166u

TG

75



conn

4650

Mudstone; crm, tan, occ gry, most hrd, sky dns mtrx, rare free blk and drk gry chert.

Stark Shale 4650 (-2271) A+13 B+5 C even

Shale; blk, sft to hrd, sm gas bubbles when broken.

Shale Gas 28u

Mudstone; crm, gry, hrd-frm, dense look.

Wackestone; crm, tan, micr-ool, dull silky text, hrd to firm, NS.

Mudstone; crm, gry, hrd to frm, rare free lt gry to wh sharp chert, sm ool.

Hushp. 4866 (-2309) A+17 B+8 C+1

Shale; blk, hrd-gssy, sft non gssy.

Shale Gas 30u

Mudstone; tan, crm, most hrd, most with dull luster, rare free blu-gry chert.

Mudstone; crm, off wh, occ tan, most with dull luster-texture, sm chky-sft, some Wackestone; wh, mic-ool, no show wet or dry.

Mudstone; aa, occ brn, gry, vry-hrd, blk, with silky luster-text, rare free drk brn and lit free chert

Mudstone; off wh, crm, occ lt gry, hrd-dense, sm chky-sft, rare free chert aa.

Shale; small inc in sample, drk gry to blk.

Mudstone; crm, tan to brn, most britt-hrd, dense, silky to chky text, rare free lit gry chert, samples still cary PS / WS aa -cave!

Wackestone; crm, off wh, chky mtrx, micr-ool, no show, tt look.

Mudstone; crm, tan, occ brn, britt-hrd, dense look, sm sft-chky, rage free wh to gry chert.

Mudstone; crm, tan to gry, most hrd-britt, chky to silky text, rare micr-foss in mtrix, no show. Shale inc 15% gry, gry-grn, to grn-wxy, cave?

Shale; 20% of sample here, gry, gry-grn, occ pale grn-wxy, rare free fusulinid, sample wash gry here.

Mudstone; crm, tan, occ brn, most britt to hrd, sm chky-sft, NS. Wackestone; in prt, off wh, crm, most w/chky mtrx, micr-ool in tt looking mtrx, NS.

CG 32u +13

TG

75

Shale; gry, drk gry.

Mudstone / Packstone; crm, off wh to occ gry, mudstone is tt aa, wackestone; is mostly in chky mtrx, micr-ool, no show, rare free wh to lt gry chert.

CG 30u +5u

Mudstone / Wackestone; aa, most crm, most hrd-frm, silky-chalky texture, Wackestone; has micr-ool in tight looking mtrx, NS,

Mudstone; aa, rare pyrite in the matrix, rare free chert. B/KC looking shale increase!

Scale Change

TG

75

Wob 40k
Rpm 75
Spm 60
Pp 1000

Wt 9.2
Vis 53
Lcm 2#

@4768
Wt 9.4
Vis 66
Fil 13.2
CHL 11,200
Cum \$14,652

Wt 9.4
Vis 66
Lcm 2#

Marmaton 4794
(-2415) A+19 B+8
C+11

ROP (min/ft)
Gamma (API)
Caliper (API)

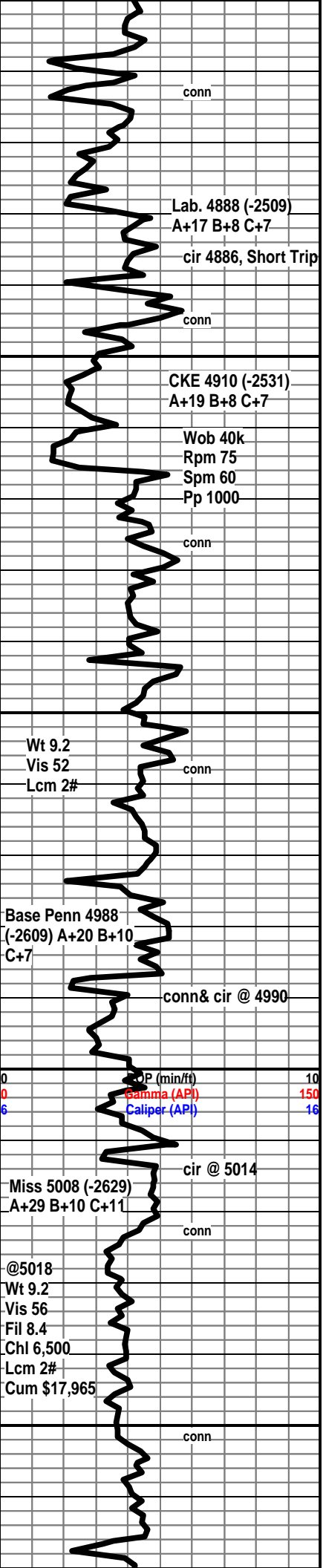
Wob 42k
Rpm 75
Spm 60
Pp 1000

4700

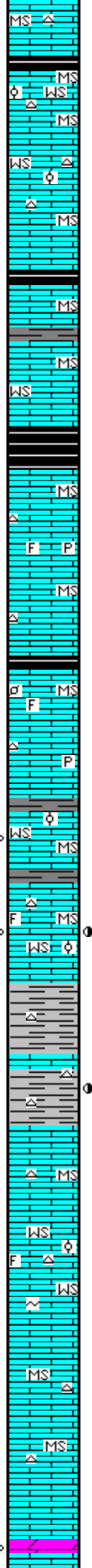
4750

4800

50



48
4900
4950
5000
5050



Pawnee 4860 (-2481) A+19 B+8 C+5
Shale; blk, carb, gassy.

Mudstone; crm, hrd, chky-slky text, dense, Wackestone; in prt, crm, off wh, micr-ool in tight dense mtrx in wet, no show, no sample odor, rare brn por in dry, no visible stn in dry samples, no cut on selected samples, rare friable wackestone in dry, no cut, no show.

Shale; blk, hrd to sft, carb, sm gassy.

Mudstone; crm, off wh, chky to silky text most hrd to britt, dense looking in wet, scattered Wackestone; off wh to crm, micr-ool, no show.

Shale; blk, carb, sft to hrd, sm gsy wh broken.

Mudstone; off wh, crm, chky to silky text, most hrd, sm micr-ool Wackestone, NS.

Mudstone; aa, small influx, gry, silky to dull luster dens, sm with rare foss frag in mtrx, free foss chert, rare pyrite.

Mudstone; crm to off wh, occ gry, most britt to hrd, mix of dull chky look to mxln-slky look, sm with micr-ool, to micr-foss in mtrx, no show.

Most aa, occ gry, dens looking, NS rare free foss frag, rare pellets, free blu-gry and wh chert and rare free pyr.

Mudstone; aa, slt inc in off wh, chky, Wackestone in prt, micr-ool, sm buff in color, rare poor brn por in dry mudstone here, no stn.

Mudstone / Wackestone; crm, off wh, gry, hrd to frm, rare gry with foss frag, sm micr-ool Wackestone no show, dense look wet. 60", 80" & 90" samples (6) gry mudstone w/poor spty stn on edge only (1) with vis por, no fluor but inst cut, no sample odor.

Shale; influx vry colored, rthy to wxy, gren, reds, gry, samples washed red, free chert; most fresh, rare wthrd edge with blk stn, inst cut from (3) samples, no odor, no free oil. Samples are still mostly Limestone!

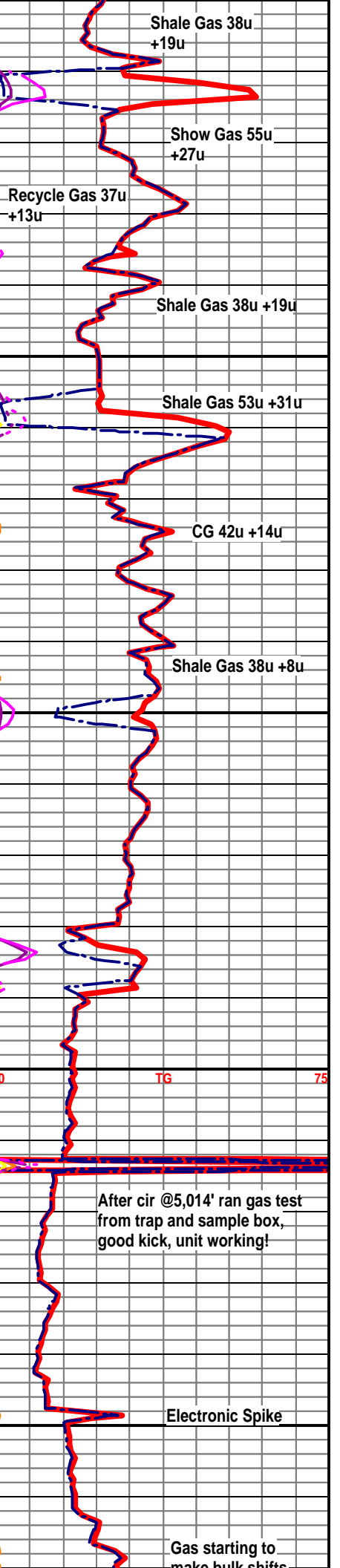
Mudstone; crm, off wh, occ gry, chky-sft, slky-hrd to frm, NS.

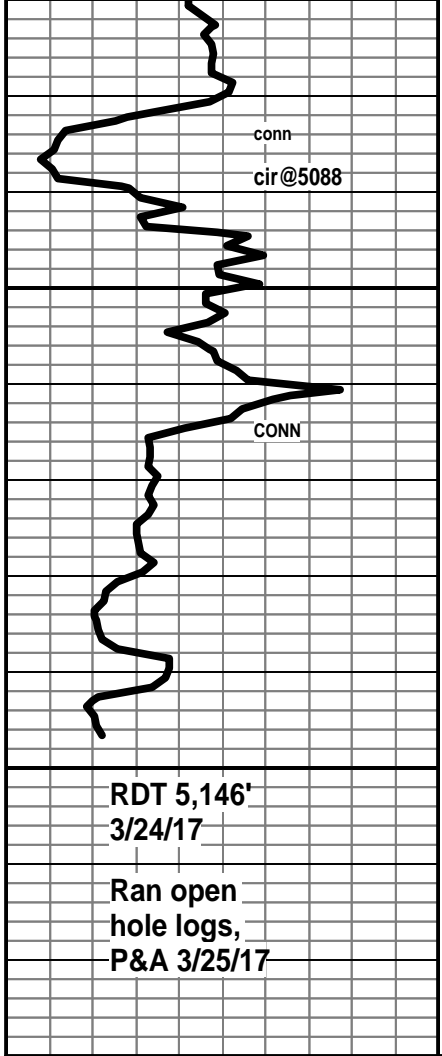
Wackestone; most off wh, sm crm, micr-ool to micr-foss in chky mtrx, NS, sample quality improving with depth.

Mudstone / Wackestone; Mudstone as above, Wackestone; influx off wh to wh and crm, slky-frm to britt, micr-ool to vf-ool in tt mtrx, rare chert inclu, trace glauc in the mtrx, crm wackestone more chky, micr-ool, NS, free lt gry to bone wh chert.

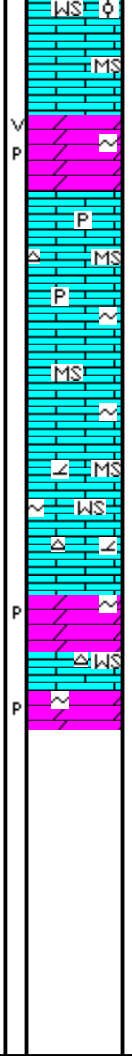
Mudstone, off wh mott tan, vry sft-chky, traces of lt gry, scattered free chert in the samples. off wh to crm Wackestone in prt, chky, micr-ool, no show.

Dolomite; (3) samples, lt gry, frm, vf-suc texture, no vis show, no cut or stn.





5100
5150



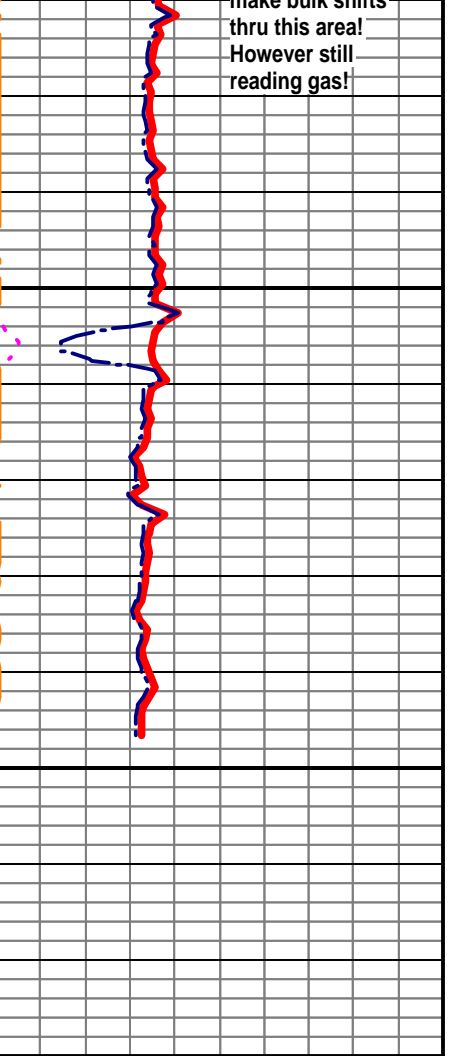
Mudstone / Wackestone; off wh, wh, crm, most chky mtrx, friable to sft, slky text is frm to hard, Wackestone in prt, most chky, no show.

Dolomite; rare samples of lt gry, very hrd, no visible stn, no cut, mineral fluor only, very fine gritty texture, no show on pp. small vgy por noted in dry, vry poor sample representation here.

Mudstone; crm, off wh, gry, most aa, sm with glauc in the mtrx, most have chky mtrx, rare free pyr, much very colored in the samples as above.

Mudstone; crm, gry, sm sft chky, sm silky hrd and dnse, sm gry and crm with glauc, no visible show sm crm Wackestone frm to sft, micr-foss, micr-ool, rare foss frag, much vc shale in sample.

Increase in crm to off wh Wackestone; mic-foss and mic-ool in tt looking matrix, sm with glauc, rare off wh chert with red patchy stn. still 20% shales in the sample, Increase in gry, buff, vry hrd dolo, rare vis por or show, rare glauc.



RDT 5,146'
3/24/17

Ran open hole logs,
P&A 3/25/17