

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](mailto: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	McCautland 1-8
Doc ID	1304038

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	McCaustland 1-8
Doc ID	1304038

Tops

Name	Top	Datum
Heebner Shale	4180	(-1807)
Brown Limestone	4321	(-1948)
Lansing	4336	(-1963)
Stark Shale	4640	(-2267)
Base Kansas City	4760	(-2387)
Pawnee	4848	(-2475)
Cherokee Shale	4896	(-2523)
Base Penn Limestone	4975	(-2602)
Mississippian	4996	(-2623)
RTD	5175	(-2802)



# QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

6446

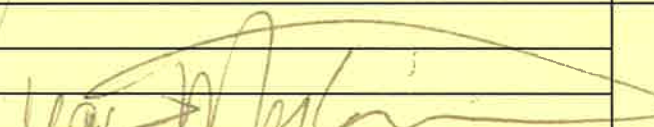
Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	122315	Sec.	08	Twp.	28s	Range	21w	County	Ford	State	KS	On Location	4:30AM	Finish	10:15AM
Lease	McCavustland	Well No.	1-8		Location Mullinville, KS 8w on 400, 2n, N44W into										
Contractor	Duke #7				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	12 1/4		T.D.		620										
Csg.	8 5/8		23 #		Depth		618								
Tbg. Size			Depth		Charge To Vincent										
Tool			Depth		Street										
Cement Left in Csg.	31'		Shoe Joint		31.02										
Meas Line			Displace		38 Bbls Fresh										
<b>EQUIPMENT</b>					Cement Amount Ordered 125sx MDC + 3%cc + 1/4" Flowseal										
Pumptrk	8	No.	Mike B		\$ 125sx class A + 2% gel + 3%cc + 1/4" Flowseal										
Bulktrk	10	No.	Crazy		Common 125										
Bulktrk	7	No.	David F		Poz. Mix 125										
Pickup		No.			Gel. 11										
<b>JOB SERVICES &amp; REMARKS</b>					Calcium 10										
Rat Hole					Hulls										
Mouse Hole					Salt										
Centralizers					Flowseal 66.25										
Baskets					Kof-Seal										
D/V or Port Collar					Mud CLR 48										
Pipe on Bttm, Back Line, Pump Fresh					Sand										
Spacer, Mix 125sx lite weight, Mix					Handling 271										
125sx tail cement, stop, Release					Mileage 50										
Plug, Start Disp. w/ Fresh H <sub>2</sub> O, Wash					<b>FLOAT EQUIPMENT</b>										
up on top of Plug, See Steady increase					Guide Shoe										
in PSI, Slow Rate, Bump Plug at					Centralizer										
38 Bbls, Shut in, Cement Did Circ.					Baskets										
					AFU Inserts / Baffle Plate 35/8										
					Float Shoe										
					Latch Down / wooden Cup Plug 8 5/8										
					LMV 50										
					Service Supervisor										
					Pumptrk Charge Surface										
					Mileage 50 x 2										
												Tax			
												Discount			
												Total Charge			
X Signature 															

# QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

6451

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	01 07 16	Sec.	08	Twp.	28s	Range	21w	County	Ford	State	KS	On Location	8:00 Am	Finish	11:57 AM			
Lease	McCaustland			Well No.	1-8			Location	Mullinville KS, 8 mi, 2nd N of W into									
Contractor	Duke #7							Owner	Vincent									
Type Job	Rotary 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			T.D.														
Csg.	8 5/8			Depth														
Tbg. Size	4 1/4 DP.			Depth	1600'													
Tool				Depth														
Cement Left in Csg.				Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.													
Meas Line				Displace	Fresh H <sub>2</sub> O			Cement Amount Ordered	200 or 60:40:4% gel +									
<b>EQUIPMENT</b>													1/4 C.F.					
Pumptrk	8	No.	Mike B			Common						120						
Bulktrk	10	No.	Derek B			Poz. Mix						80						
Bulktrk		No.				Gel.						7						
Pickup		No.	David F			Calcium												
<b>JOB SERVICES &amp; REMARKS</b>													Hulls					
Rat Hole	30sx			Salt														
Mouse Hole	20sx			Flowseal									50					
Centralizers				Kol-Seal														
Baskets				Mud CLR 48														
D/V or Port Collar				CFL-117 or CD110 CAF 38														
Drill Pipe at 1600' load Hole, Pump Fresh													Sand					
Spaced, Mix 50sx cement, Disp w/ 3 Fresh													Handling			207		
410 mud													Mileage			50		
<b>FLOAT EQUIPMENT</b>																		
Drill Pipe at 650' load Hole, Pump Fresh													Guide Shoe					
Mix 80sx cement, Disp w/ 4 Fresh													Centralizer					
													Baskets					
Drill Pipe at 60' mix load Hole, Mix 20													AFU Inserts					
sx cement Did Circ.													Float Shoe					
													Latch Down					
Plug Rat & Mouse Holes w/ 50sx													2 MV 50					
													Service Supervisor					
													Pumptrk Charge			Rotary Plug		
													Mileage			50 x 2		
<b>THANKS</b>																		
Signature																Tax		
																Discount		
																Total Charge		



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation

**8-28S-21W Ford**

155 N Market Ste 700  
Wichita, KS 67202

**McCaustland 1-8**

Job Ticket: 57924

**DST#: 1**

ATTN: Jim Hall

Test Start: 2016.01.04 @ 15:59:49

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:13:19

Time Test Ended: 01:35:04

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

**Interval: 4926.00 ft (KB) To 5022.00 ft (KB) (TVD)**

Reference Elevations: 2373.00 ft (KB)

Total Depth: 5022.00 ft (KB) (TVD)

2360.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

**Serial #: 8525**

**Inside**

Press @ Run Depth: 92.71 psig @ 4927.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.01.04

End Date: 2016.01.05

Last Calib.: 1899.12.30

Start Time: 15:59:50

End Time: 01:35:04

Time On Btm: 2016.01.04 @ 18:12:49

Time Off Btm: 2016.01.04 @ 23:16:04

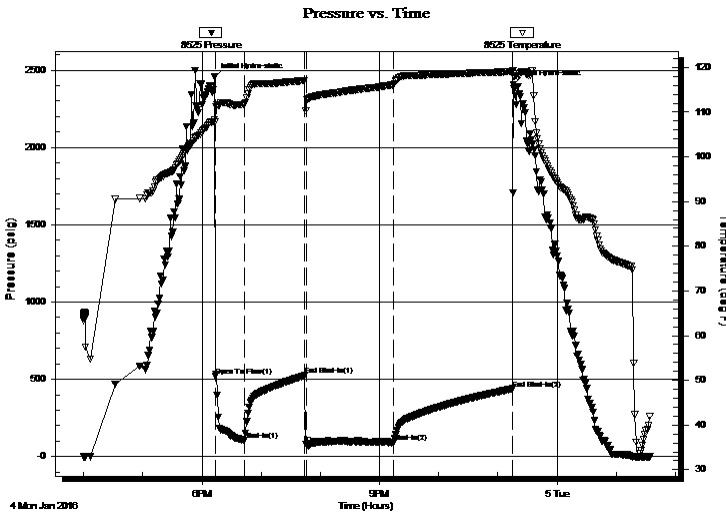
**TEST COMMENT:** IF: Strong Blow, BOB in 45 seconds. GTS in 6 minutes, Gauged & Caught Sample

IS: No Blow Back

FF: Strong Blow, BOB & GTS Immediate, Guaged Gas

FSI: No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2454.09	108.26	Initial Hydro-static
1	520.25	107.94	Open To Flow (1)
31	103.00	111.76	Shut-In(1)
92	524.33	117.01	End Shut-In(1)
93	80.12	110.27	Open To Flow (2)
182	92.71	116.11	Shut-In(2)
302	438.56	119.03	End Shut-In(2)
304	2406.51	118.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	4657 GIP	0.00
247.00	GCM 10%G 90%M	1.80

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	62.00	515.37
Last Gas Rate	0.25	12.00	41.88
Max. Gas Rate	0.50	62.00	515.37





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Vincent Oil Corporation

**8-28S-21W Ford**

155 N Market Ste 700  
Wichita, KS 67202

**McCaustland 1-8**

Job Ticket: 57924

**DST#: 1**

ATTN: Jim Hall

Test Start: 2016.01.04 @ 15:59:49

### 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:

ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5900.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4657 GIP	0.000
247.00	GCM 10%G 90%M	1.798

Total Length: 247.00 ft      Total Volume: 1.798 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8525

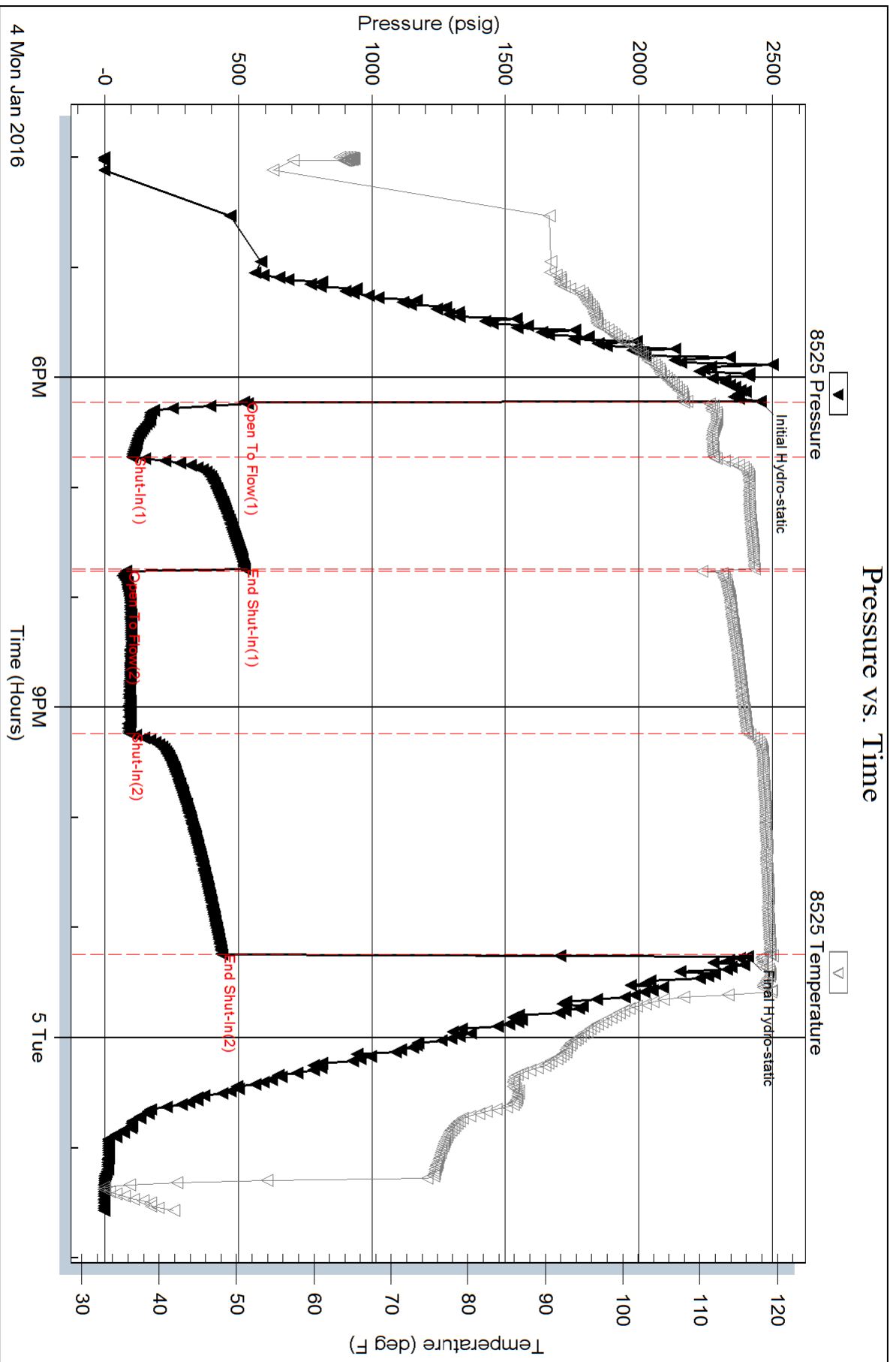
Inside

Vincent Oil Corporation

McCausland 1-8

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 57924

Printed: 2016.01.05 @ 06:41:41



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation

**8-28S-21W Ford**

155 N Market Ste 700  
Wichita, KS 67202

**McCaustland 1-8**

ATTN: Jim Hall

Job Ticket: 57925

**DST#: 2**

Test Start: 2016.01.05 @ 16:09:29

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:24:44

Time Test Ended: 23:31:14

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

**Interval: 5024.00 ft (KB) To 5069.00 ft (KB) (TVD)**

Reference Elevations: 2373.00 ft (KB)

Total Depth: 5069.00 ft (KB) (TVD)

2360.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

**Serial #: 8525**

**Inside**

Press @ Run Depth: 20.21 psig @ 5025.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.01.05

End Date:

2016.01.05

Last Calib.:

2016.01.05

Start Time: 16:09:30

End Time:

23:31:14

Time On Btm:

2016.01.05 @ 18:18:44

Time Off Btm:

2016.01.05 @ 21:28:29

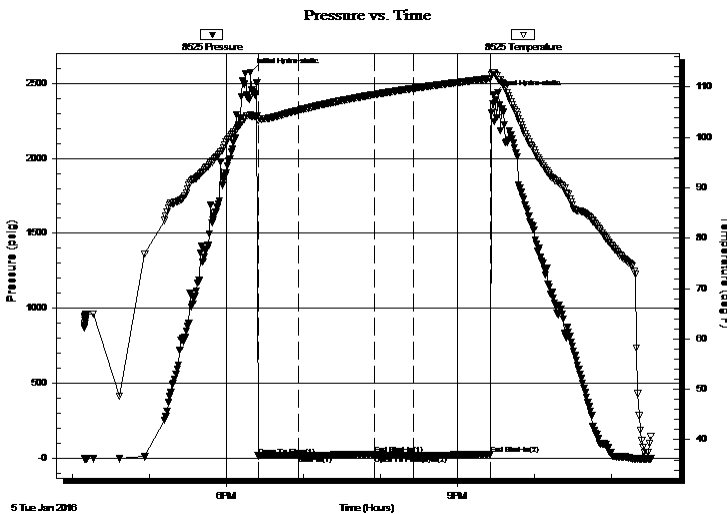
TEST COMMENT: IF: Weak Blow, Built to 3/4 inch

IS: No Blow Back

FF: Weak Surface Blow

FS: No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2571.99	104.42	Initial Hydro-static
6	18.62	103.34	Open To Flow (1)
38	20.14	105.39	Shut-In(1)
97	28.55	108.52	End Shut-In(1)
97	19.23	108.52	Open To Flow (2)
127	20.21	109.73	Shut-In(2)
187	26.98	111.69	End Shut-In(2)
190	2424.04	112.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

\* Recovery from multiple tests

## Gas Rates

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



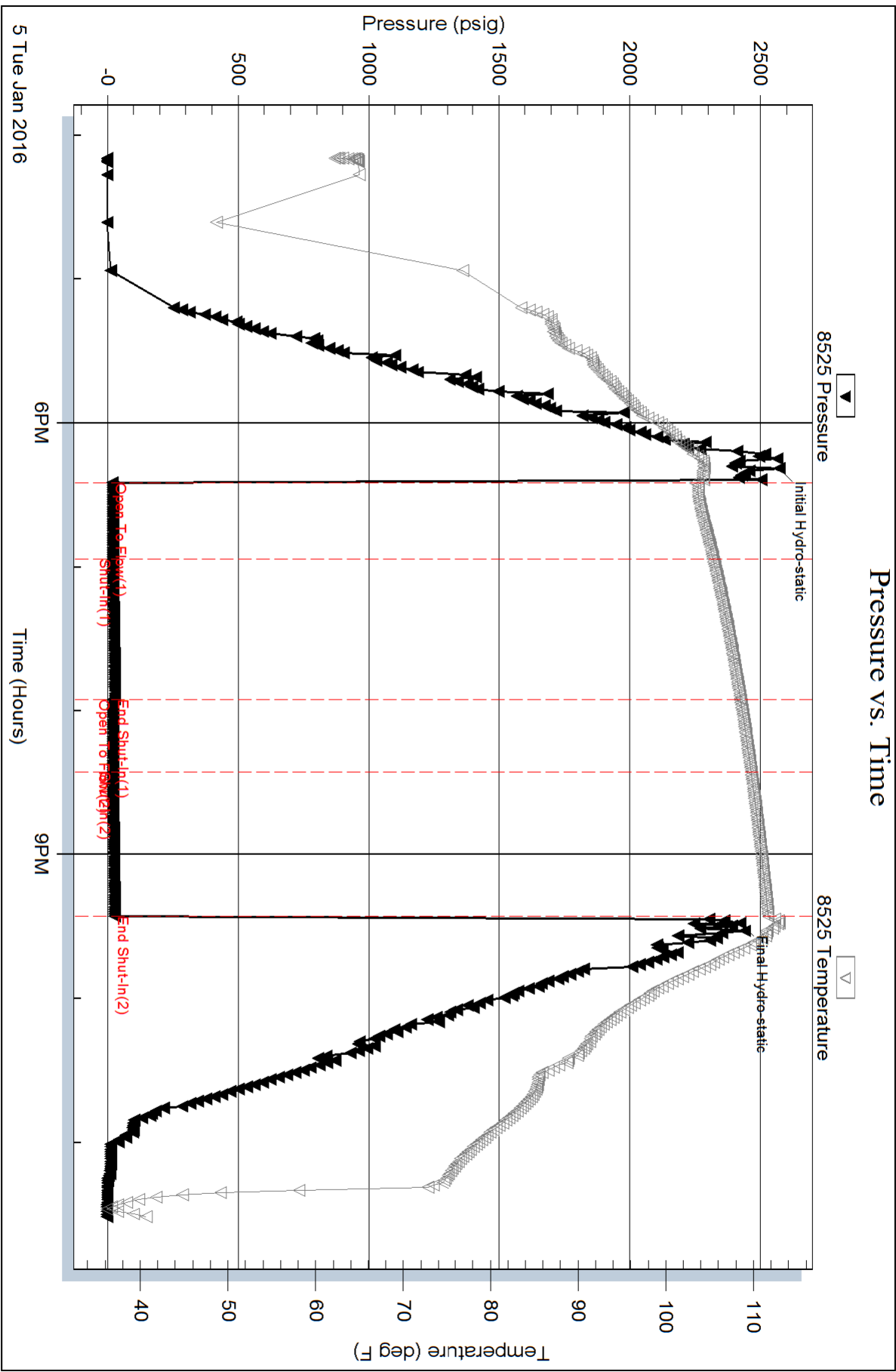
Serial #: 8525

Inside

Vincent Oil Corporation

McCausland 1-8

DST Test Number: 2

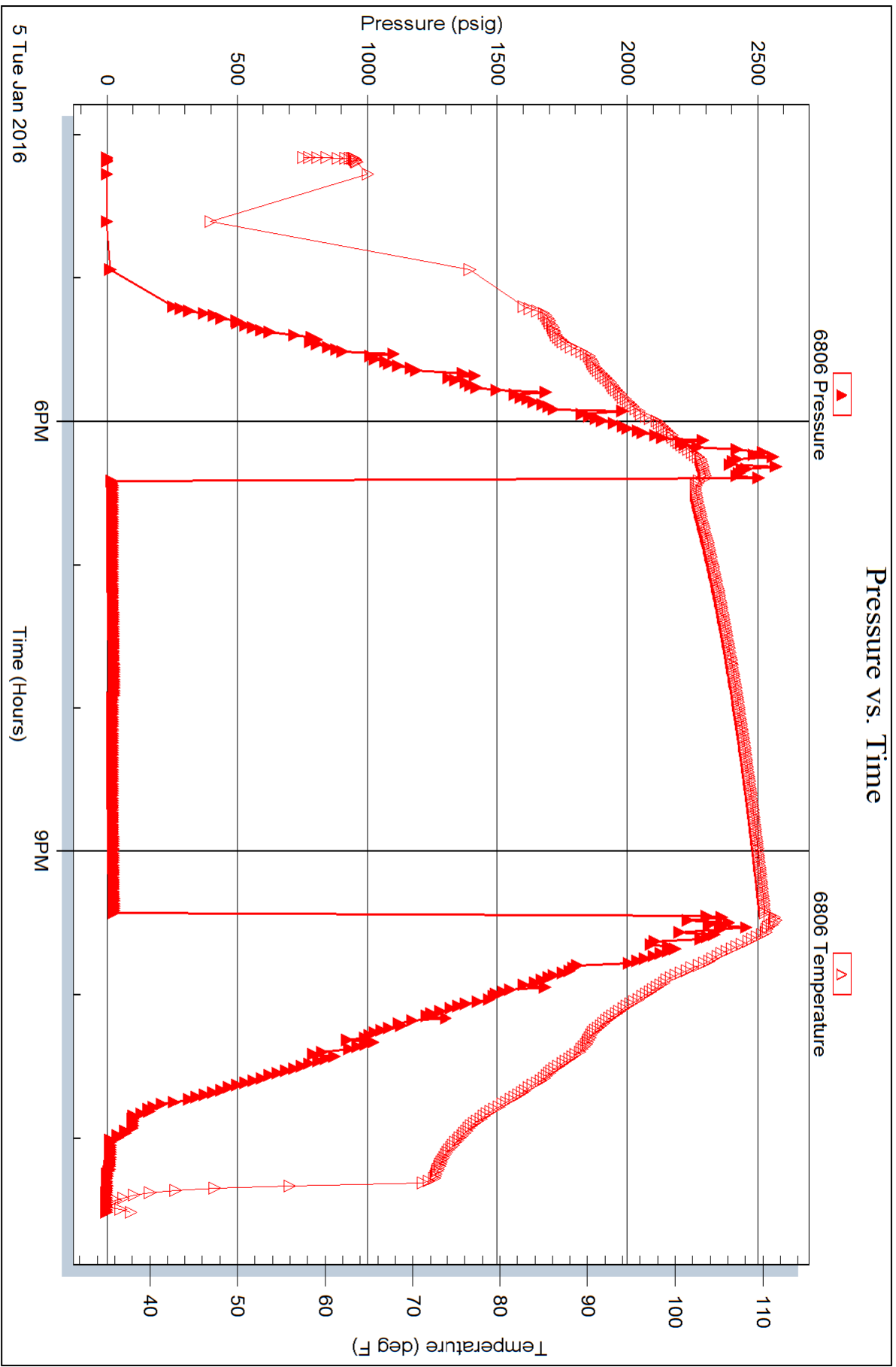


Serial #: 6806

Outside Vincent Oil Corporation

McCausland 1-8

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 57925

Printed: 2016.01.06 @ 07:32:50

**BLACK GOLD PETROLEUM**

**LITHOLOGY STRIP LOG**

**WellSight Systems**

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

Measured Depth Log

Well Name: VINCENT OIL CORP. McCaustland #1-8

API: 15-057-20970-00-00

Location: NW NE SE SE SEC. 08, T 28S W, R 21 W, FORD CO. KS.

License Number: 5004

Region: Wildcat

Spud Date: Dec 22th, 2015

Drilling Completed: Jan 6th, 2016

Surface Coordinates: 1078' FSL, 545' FEL

Bottom Hole

Coordinates:

Ground Elevation (ft): 2,360'

K.B. Elevation (ft): 2,373'

Logged Interval (ft): 4,100' To: 5,175' Total Depth (ft): 5,175'

Formation: Mississippi

Type of Drilling Fluid: NATIVE MUD TO 3,814'. CHEMICAL GEL TO RTD

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://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, 316-217-1223

## Comments

**Drilling contractor: Duke Drilling, Rig #8, Tool Pusher; Galen Roach.**

**Surface Casing: 8 5/8" set at 616' w/250sx, cement, did circulate.**

### **Daily Activity:**

**1/1/16: Drilling Topeka, Toronto.**

**1/2/16; Circulate Lansing A @ 4,353' and Lansing B @ 4,390.**

**1/3/16; Circulate Swope @ 4,656', Circulate Pawnee @4,870', short trip 25 stds. 18 stds pulled tight.**

**1/4/16; Circulate Base Penn. @ 4,975'. Circulate Morrow @ 4,995'. Circulate Miss. @ 5,022'. Commenced DST #1 4,926' - 5,022'. (During trip out for DST #1 Pipe strap was 1.59' long to the board).**

**1/5/16; Finished DST #1. Circulate Miss. @ 5,056'. Circulate Miss. @ 5,069'. Commenced DST #2 5,024' - 5,069'.**

**1/6/16; Circulate Miss. @ 5,099'. Drilled to RTD @ 5,175'. Ran open hole logs.**

**1/7/16; @ 01:30hrs. released rig to P&A.**

**Deviation Surveys: 0.25 deg. @ 314', 0.25 deg. @ 620', 0.25 deg. @ 1,122', 0.25 deg. @ 1,632', 0.25 deg. @ 2,108', 0.5 deg @ 2,616', 1.0 deg @ 3,124', 0.5 deg @ 3,505', 0.5 deg. @ 4,007', 1 deg. @ 4,515', 1.25 deg. @ 4,769' 1.5 deg. @ 5,022' .**

### **Bit Record:**

**#1 12 1/4" out @ 620'.**

**#2 7 7/8" HTC GX20C in @ 620', out @ 5,175', made 4,555'.**

**Drilling time commenced: @ 4,100'. Maximum 10' wet and dry samples commenced: @ 5,175' to RTD. Samples delivered to Kansas Geological Sample Library at Wichita, Kansas.**

**Gas Detector: Blue Stem unit #5259. Digital Unit, commenced @ 4,100'.**

**Mud System: Mud-Co/Service Mud. Chemical Gel system @ 3,814'; Mud Engineer: Justen Whitin (Dodge City Office).**

**Open Hole Logs: , Casedhole Solutions, Hays Kansas,**

**Logging Engineer: Jeff Luebbers.**

**DIL, CDL/CNL/PE, Micro (5,173'- 4,000'), SON (5,173'- 616').**

**Sample tops are placed on this Plotted Geo. Report, with the reference wells "A" Imperial Oil & Gas, INC. Davis Trust #1-16 SE SE SW 16-T28S-R21W , and "B" Rheem Resources, INC. #1 Konda-Austin 50.N SW SE 9-T28S-R21W. Tops datum differences shown.**



Serial #: 8525

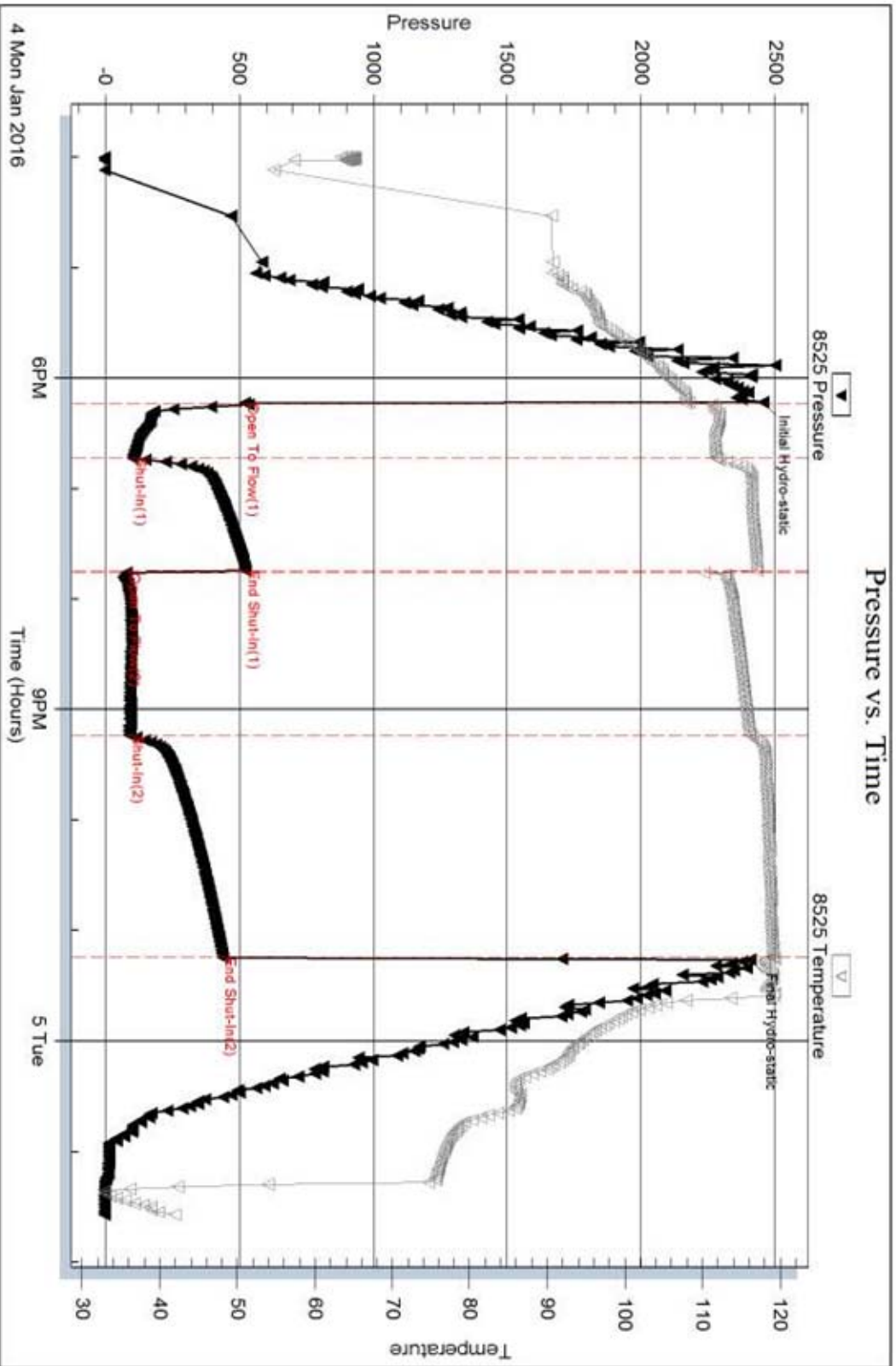
Inside

Vincent Oil Corporation

McCaustland #1-8

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 57924

Printed: 2016.01.07 @ 16:35:51

Serial #: 8525

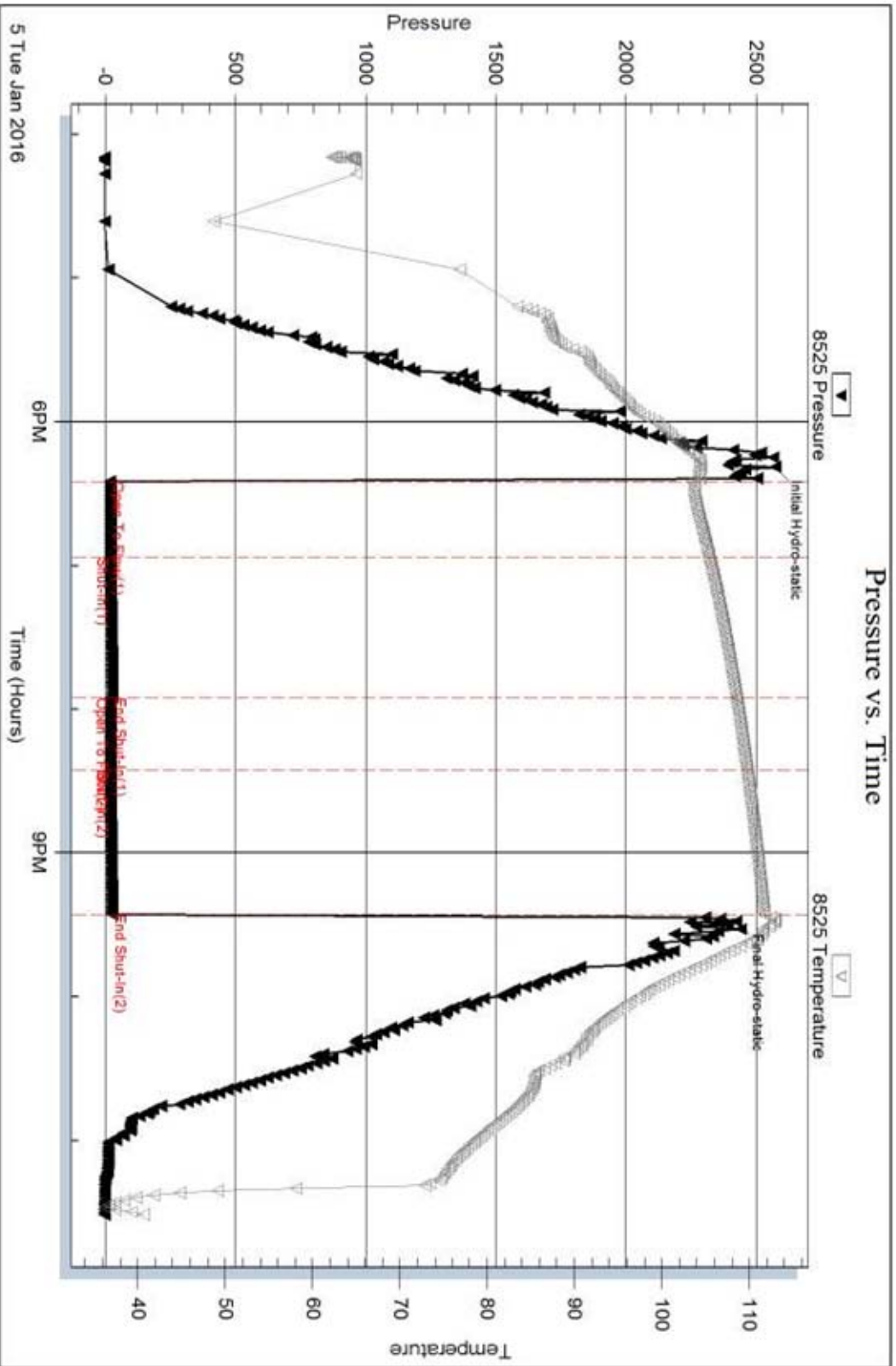
Inside

Vincent Oil Corporation

McCaustland #1-8

DST Test Number: 2

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 57925

Printed: 2016.01.07 @ 16:33:50

## DSTs

DST#1 4,926'-5022' (96'), 30-60-90-120; IH2454, IF 520-103 BOB 45sec, GTS 6min, (1/2"cke) 10" 515mcf, 20" 353mcf, 30" 238mcf, ISI 524 (no blow), FF 80-93 BOB /GTS imd., (1/4"cke) 10" 32mcf, 20" 38mcf, 30" 41mcf, (41mcf thru the remainder of the FF, FSI 438 (no blow), FH 2406, Rec; 4,657' GIP, 247' GCM (10%gas, 90%mud), BHT 119.

DST #2 5,024' - 5,069', 30-60-30-60, IH 2572, IF 19-20 (weak 3/4"), ISI 28 (no blow), FF 19-20 (weak surface blow), FSI 27 (no blow), FH 2424, Rec; 2' mud, BHT 112.

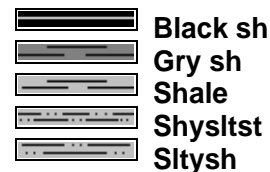
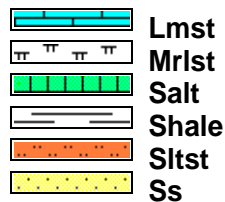
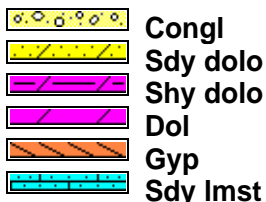
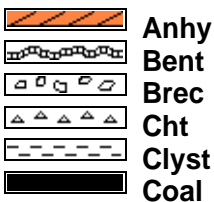
## Qualifiers

### 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.

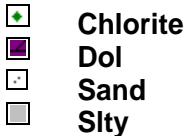
Qualifiers; (Fossils, Minerals, Shows, Porosity, etc.) Rare = less than 1% of sample total, Trace = less than 5% of sample total, Greater than 5% an estimate of total percentage.

## ROCK TYPES

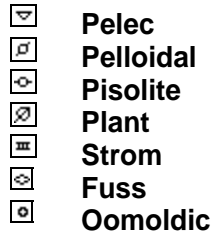
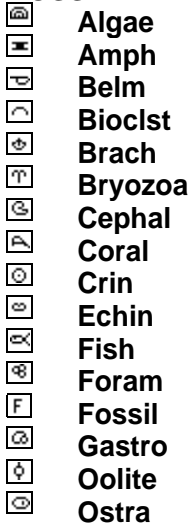


## ACCESSORIES

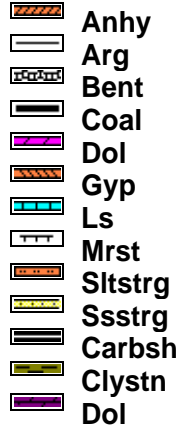
### MINERAL



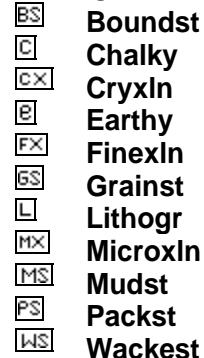
### FOSSIL



### 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

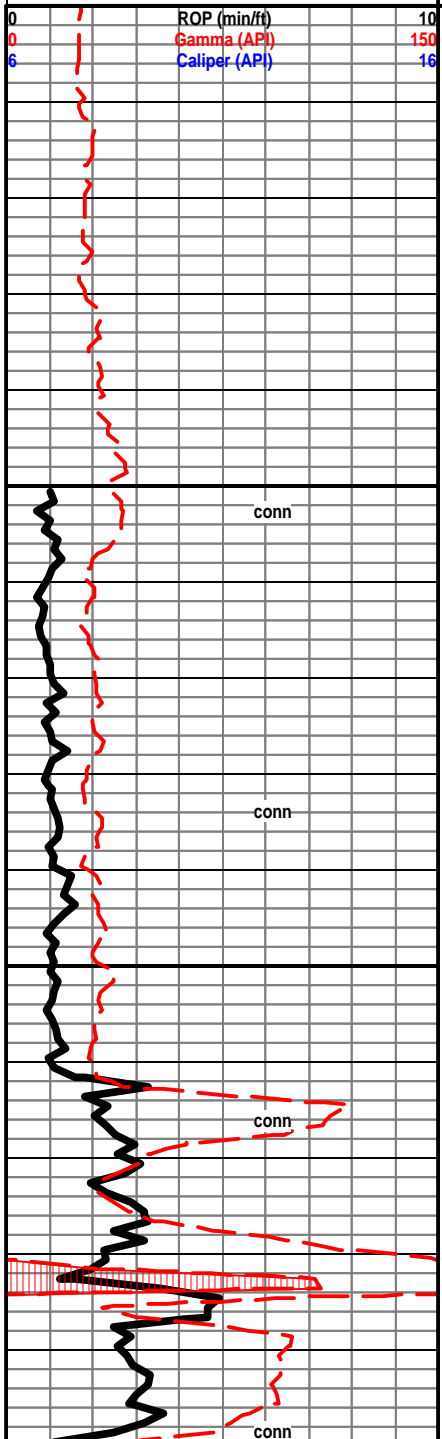
Porosity Type

Lithology

Oil Shows

Geological Descriptions

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

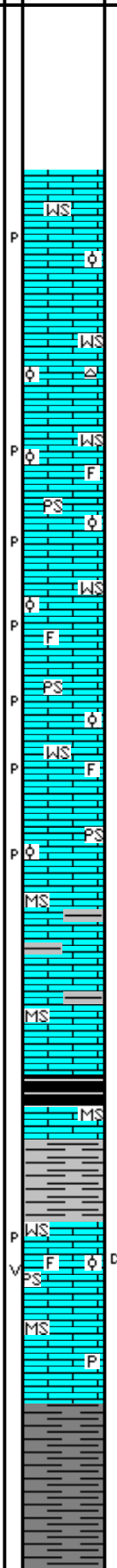


40

4100

4150

4200



**JIM HALL ON LOCATION 01/01/16,  
 COMMENCED SAMPLES AND  
 STRIP LOG @ 4,100'**

Wackestone; off wh, crm, hrd microxln, to soft-chky, micro-ool, no show rare barren por in the wet.

Wackestone; aa, rare free wh fresh chrt.

Wackestone / Packstone; off wh, crm, hrd-microxln, sft chky, micro-ool, rare foss frag in mtrx, dull yell to gold min fluor, no show, no cut, barren por in gry.

Wackestone / Packstone; off wh, crm, hard, micro-ool, vf-ool, in chky to microxln mtrx, trace foss frag, dull to brt fluor, no cut, min fluoro only, barren por in dry.

Wackestone / Packstone; foss to micro-ool, scatt brt to dull yell fluor, no cut, no show, barren por in dry.

Mudstone; off wh, lt gry, most hrd, sm foss frag in mtrx, slight inc in gry to blk shales here.

Heebner 4181 (-1808) A-1 B-8  
 Shale; blk, hrd to sft, carb, no vis gas bubbles.

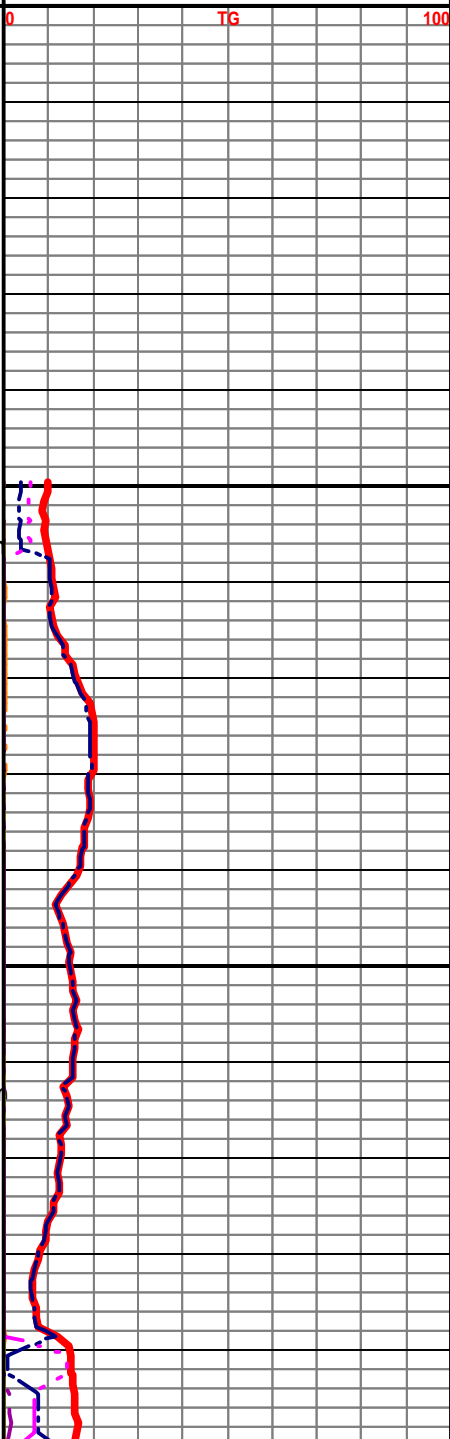
Shale; inc gry, red, blk, sft to hrd.  
 Toronto 4198 (-1825) A-2 B-7

Wackestone / Packstone; off wh, micro-ool, most hrd, microxln to chky, dull yell-blue min fluor, no cut, rare spty blk stn-no cut, no vis gas bubbles, no live show, rare barren por in dry.

Mudstone; gry, hrd, chky, rare gry inclusions, inc in gry shale here, rare free pyr.

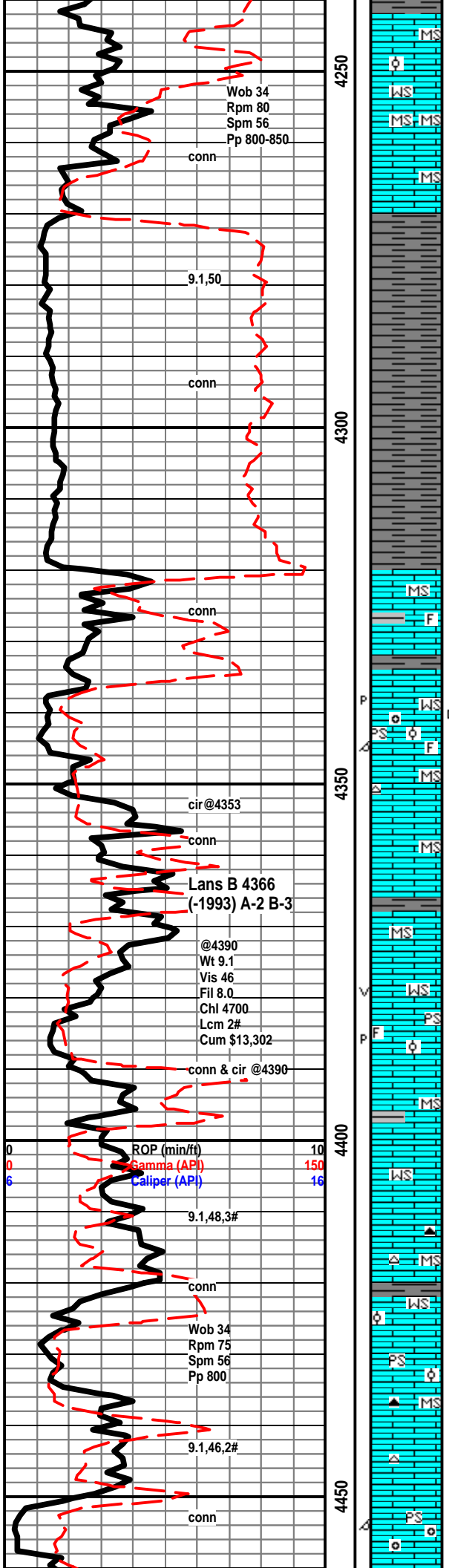
Shale; inc, gry-grn, sft, sm w/dark inclu, sm drk gry and blk shales, hrd to sft.

0 TG 100



0 TG 100

4' correction



Mudstone / Wackestone; crm, lt brn, hrd-mxln, rare lt brn Wackestone micro-ool, to vf-ool, no show, min fluor only.

Mudstone; inc brn to gry, mxln, min fluor, tight look in wet no show.

Shale; 30% gry, pale grn, most tab, soft to britt.

Shale; 40% gry, drk gry, sft to britt, tab to platy.

Shale; 50% most aa, small influx blk-carb looking shales, cave?

Brown Lime 4321 (-1948) A+7 B-4

Mudstone; trace brn, hrd, mxln-dns, occ sm micro-foss, most silky-dns.

Lans A Por 4338 (-1965) A+2 B-14

Wackestone / Packstone; crm, off wh, hrd-britt, mxln to chky mtrx, micro-ool to vf-ool, rare oom, rare foss frag in the mtrx, no cut on sel samples, rare wormy stn, no live show, rare barren por in the dry.

Mudstone; off wh, crm, hrd-britt, most chky, no show, min fluor only.

Shale; gry, drk gry, rare blk-carb look.

Mudstone; off wh, crm, hrd-britt, most chky, tr lt gry to tan, sm w/ micro-ool, no show.

Lans B Por 4380 (-2003) A-6 B-3

Packstone; off wh, hrd-britt, mxln to chky, micro-ool to vf-ool, tr foss frag in mtrx, no cut, no show, tight look wet, rare barrn por in the dry sample, no stn, Sm Wackestone inprt.

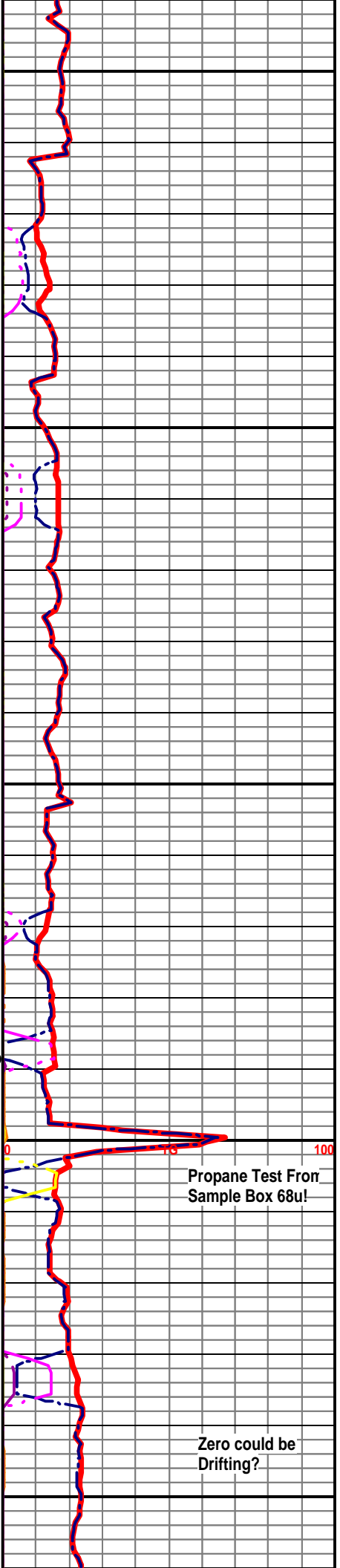
Mudstone \ Wackestone; brn, crm, hrd-britt, sm sft-chky, sm micro-ool, dens look wet, no show.

Most aa, rare free, dark and light chert, blocky look.

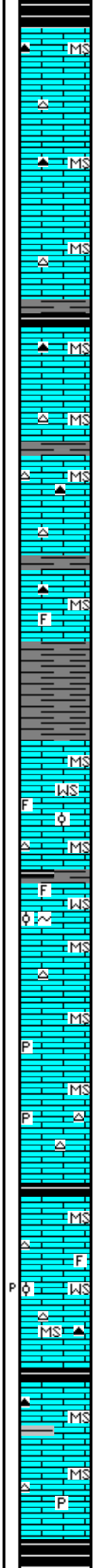
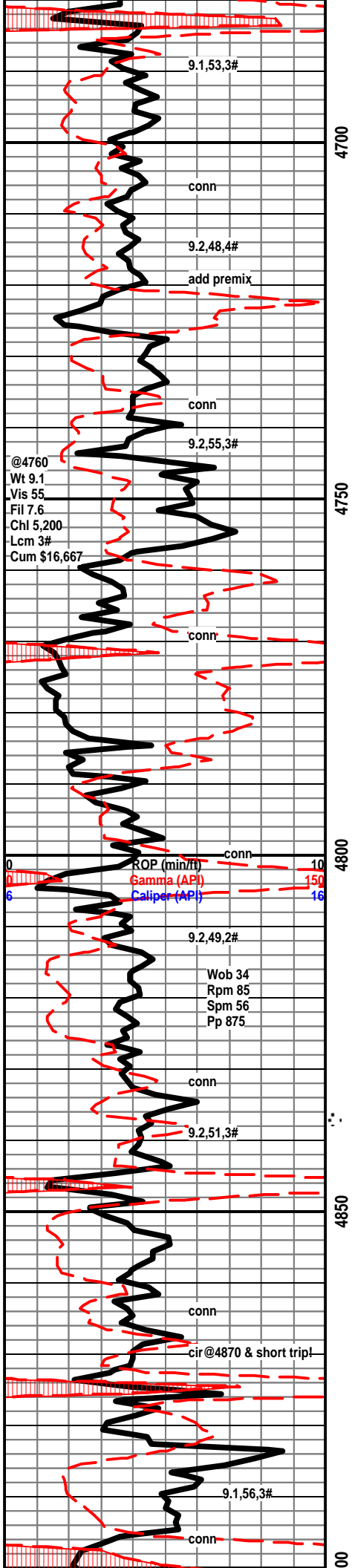
Wackestone / Packstone; tan, brn, tr wh, hrd to britt, mxln to chky mtrx, micro-ool, vf-ool, rare to trace barrn pp & vgy por, no stain, no cut.

Mudstone; crm, brn to off wh, most hrd, most mxln, Wackestone; micro-ool, no show. Rare free chert.

Packstone; crm, tan, hrd, mxln matrix, hly oom, rare calcite ovrgrwth, no vis stn, on odor, no cut on sel sampoles







Shale; blk, hrd, carb, gsy when broken.

Mudstone; tan, brn, hrd, dns, silky to chky text, rare free chert

Mudstone; off wh-chky sft, crm to brn, silky-mxln to chky, hard dns, some britt, light look in wet, mineral fluor only, rare free lt and drk chert, some with rare foss inclusions.

Mudstone; crm, tan, hrd, chky-sft, some mxln brn blkly very hrd, rare bone wh free foss chert.

Shale; small influx, blk to drk gry, blk carb look but no vis gas bubbles.

Mudstone; incr gry, hrd-blky, dull to silky luster, no cut on sel samples, rare blkly free blk chert.

Shale; gry, drk gry to blk.

Mudstone; crm, brn, gry, britt-hrd, sm chky sft-britt, free drk to lt chert.

Mudstone; aa brn, drk brn, hrd-blky, silky-chky text, some dolomitic, dns, free chert, sl inc in drk gry shales here.

Shale; gry, dk gry, blk, scatt gry-grn to pale grn, some with earthy texture, blkly to platy.

Marmaton 4784 (-2411) A+11 B+3

Mudstone; tan, brn, most hrd-britt, chky to silky text, tight look wet, rare Wackestone; w/foss frag in tigh mtrx, no show, no cut on sel samples.

Mudstone; aa, Sattered Wackestone; crm, off wh, occ gry, micro-ool, micro-foss, tight look wet, no show, rare galuc in the mtrx.

Mudstone; off wh, crm, most hrd-britt, sm chky-sft, blkly-tabular, dns look wet, rare lt free chert.

Mudstone; crm, hrd-britt, most silky luster wet, sm dull chky, tt looking in wet, rare pyrite inclusions.

Mudstone; crm, tan, off wh, mxln-chky, hrd, some Wackestone inprt, off wh, tan, hrd, micro-ool, tight look in wet, no show.

Shale; blk, sft-hrd, carb, gas when broken.

Pawnee 4847 (-2474) A+15 B+4

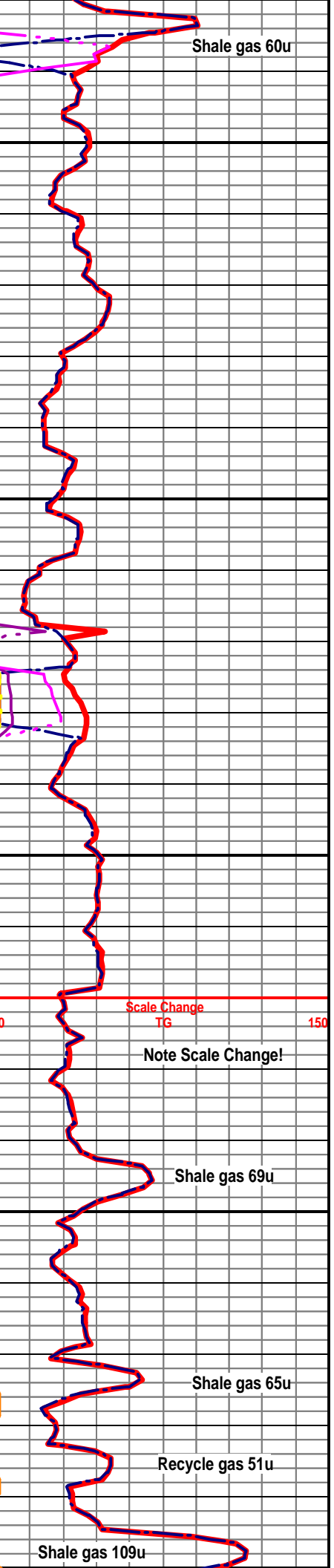
Wackestone; off wh, chky sft, to some mxln, micro-ool and rare foss frag in the mtrx, rare blk stn on edge no cut, rare barren pp por-no stn or cut, no odor, no vis gas bubbles, rare blue-gry free chert.

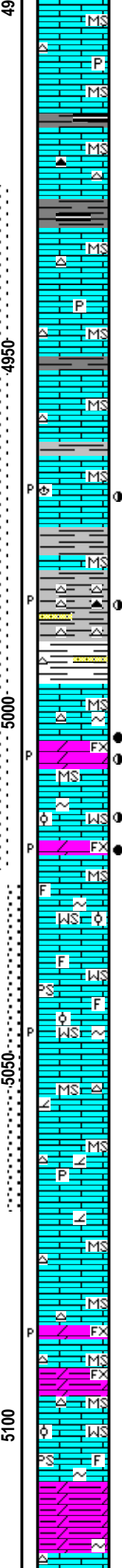
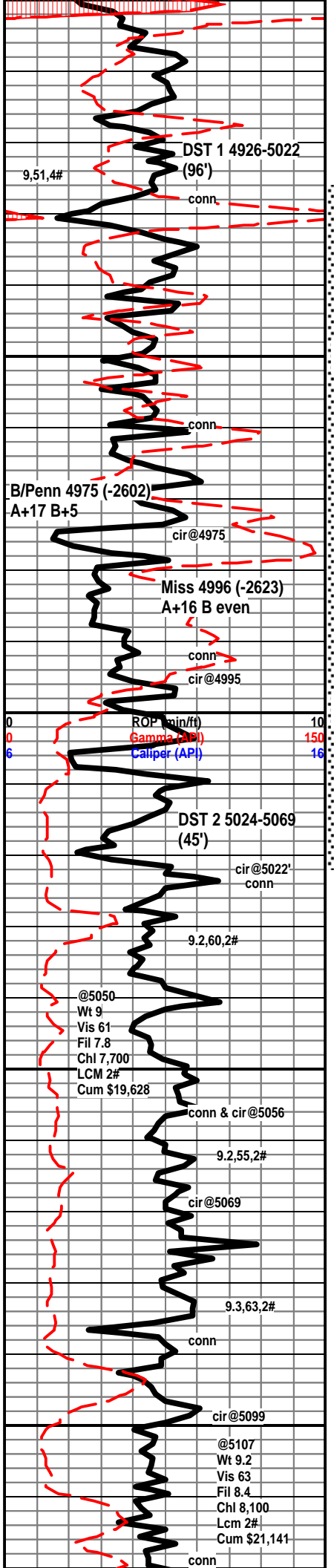
Labette 4873 (-2500) A+17 B+4

Mudstone; crm, tan, hrd-britt, chky-microxln, sm chky-sft, no show rare drk free chert, sample quality very poor after short trip!

Mudstone; aa inc in off wh, no show, scatt Wackestone; micro-ool, tight look no show.

CKE 4897 (-2524) A+15 B+2





Mudstone; crm, tan, off wh, chky to silky texture, dns, scattered Wackeston; crm, chky, britt to sft, micro-ool, tight look wet, no show, sample quality improving.

Shale; most blk-carb, no vis gas bubbles.

Mudstone; tan, brn, inc in silky-microxln texture, den, more blocky, scatt crm chky Wackeston; micro-ool, no show.

Mudstone; gry, buff, sm mott, vhrd, blkly to tabular, dns, scattered micro-ool Wackestone, no show, rare tan mott free chert.

Mudstone; crm, off wh, inc sft to britt chky, no show, rare free pyr and chert.

Shale; blk-carb, drk gry.

Mudstone; aa, inc brn, gry, hrd, blkly, dns.

Shale; influx, gry-grn and sea grn, wxy, sft to hrd.

Mudstone; crm, tan brn, hrd, fxln-chky, dns look wet, (10) samples with rare drk brn stn on edge and rare pp por, dull fluor, inst yell cut, no odor, no vis gas bubbles.

Shale; gry, pale grn, wxy, sm vcolored, most soft, traces free chert, rare spty drk oil stn, no fluor but inst yell cut on spoty pp por and fractured edges, some ool, no odor, rare vis gas bubbles.

Shale; vc, influx red-sft rthy, samples wash red, scatt chert aa, less show, rare SS; vfg, qutz, wlstrd, cons to porcons-no show.

Dolomite; lg gry, buff, hrd to vry hrd, vfsuc text, spty to even stn, vis pp por, bleeding rainbow when broken, vis bleeding gas, sm are barren, no oil in try, vry faint odor.

Mustone; crm, off wh, frm-hrd, some chky-sft, Wackestone; off wh, silky to dull luster, micro-ool, micro-foss, brt min fluor-no cut no show, rare galuc, sample quality very poor here after DST-1.

Wackstone; off wh, crm, hrd-britt, silky to dull luster, tight look wet, 1 sample with rare pp por-no stn, micro-ool, micro-foss, to xln, min fluo only no cut, no show.

Mudstone; lt gry, sm mott gry-grn, hrd, blkly to tabular, dens, min fluor, mxln texture sly dolomitic, rare sample crm mudstone w/spty stn on edge, inst cut, no vis oil or gas bubbles, Wackestone aa, 1 sample with spty dead stn-no cut, 1 sample chert w/spty stn with slow cut, 1 sample dolomite w/spty stn, slow cut cave?

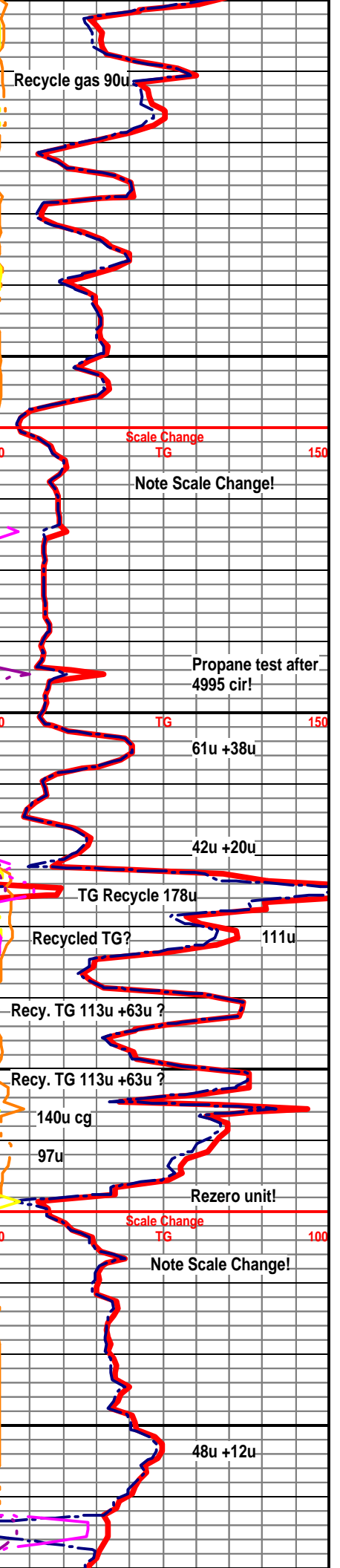
Mudstone; gry, lt gry, hrd, silky-mxln, blkly to tabular, crm chky, britt-sft, rare silica inclusions, sample w/spty blk stn-no cut, rare free orange chert.

Dolomite; lit gry, vryhrd, vfsuc-gritty texture, argi resdu in dish, rare barren pp por-no cut, min fluo only, some shaly dolomite.

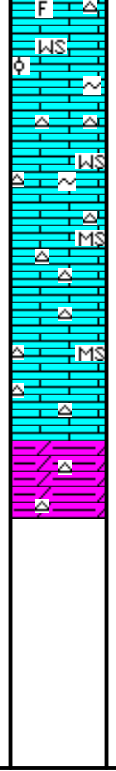
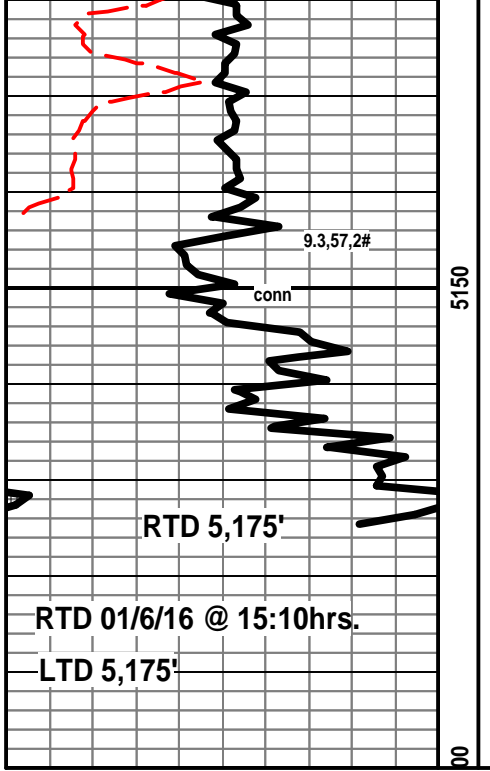
Mudstone; lt gry aa, rare micro-foss Wackestone, in the gray and crm, no show.

Wackestone / Packstone; crm, slky luster, micro-ool, micro-foss in tight looking mxln mtrx i wet, highly glauc, sm blk inclusions, rare wormy stn-no cut, no vis live show.

Dolomite; gry, vhrd, ufsuc-gritty, hily argill, sm







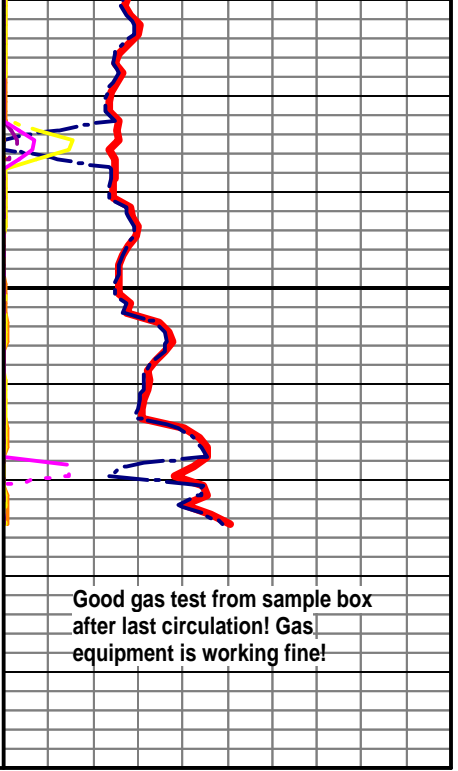
w/rare glauc, no vis por, no show

Wackestone; gry to crm, hrd, mxln mtrx, moco-ool rare ool, micro-foss, sm crm-chky, sm glauc, rare qrtz grains, sm cherty, influx free blkly to sharp chert, sm ool, sm w/glauc.

Mudstone; crm, gry, vhrd, chky-xln, dns, some foss Wackestone inprt, no show, influx 5% free chert, vry colored, blkly to sharp, sm foss.

Mudstone; gry, lt brn, vhrd, blkly to tabular, xln to mxln, dns, some with chert in the mtrx, 5% free chert aa most gry, sm foss.

Dolomite (argillaceous), to Dolomitec Mudstone; gry, hrd, blkly to platy, very fine xln to gritty texture, some chert remaining after dissolved in acid, no show, no por, less than 5% chert here, most gry to off wh, sm foss, sm spicular.



Good gas test from sample box after last circulation! Gas equipment is working fine!