

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

1085045

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 # \_\_\_\_\_

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 ☐ 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 #: \_\_\_\_\_

Spud Date or  
Recompletion Date

Date Reached TD

Completion Date or  
Recompletion Date

API No. 15 - \_\_\_\_\_

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

☐ Geologist Report Received

☐ UIC Distribution

ALT ☐ I ☐ II ☐ III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ ☐ East ☐ West      County: \_\_\_\_\_

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

<div style="text-align: center;"> <b>CASING RECORD</b> <input type="checkbox"/> New    <input type="checkbox"/> Used         </div> <div style="text-align: center;">Report all strings set-conductor, surface, intermediate, production, etc.</div>							
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				

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: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First, Resumed Production, SWD or ENHR.		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil                      Bbls.	Gas                      Mcf	Water                      Bbls.	Gas-Oil Ratio	Gravity

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented    <input type="checkbox"/> Sold    <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>	<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole    <input type="checkbox"/> Perf.    <input type="checkbox"/> Dually Comp.    <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i></p> <p><input type="checkbox"/> Other <i>(Specify)</i> _____</p>	<p>PRODUCTION INTERVAL:</p> <p>_____</p> <p>_____</p>
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Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Riegel 1-9
Doc ID	1085045

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic



Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Riegel 1-9
Doc ID	1085045

#### Tops

Name	Top	Datum
Heebner Shale	4257	(-1763)
Brown Limestone	4388	(-1894)
Lansing	4396	(-1902)
Stark Shale	4702	(-2208)
Pawnee	4926	(-2432)
Cherokee Shale	4970	(-2476)
Base Penn Limestone	5070	(-2576)
Mississippian	5100	(-2606)
LTD	5402	(-2908)



# QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

5440

Home Office 324 Simpson St., Pratt, KS 67124

Todd's Cell 620-388-5422  
Office / Fax 620-672-3663

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

Date	2-21-12	Sec.	9	Twp.	28	Range	23	County	Ford	State	KS	On Location		Finish	1:30pm
Lease	Beagle # 1-9			Well No.			1-9			Location Ford IN low IS E into					
Contractor Duke # 8								Owner							
Type Job surface								To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size 12 1/4								T.D. 612							
Csg. 8 5/8								Depth 608							
Tbg. Size								Depth							
Tool								Depth							
Cement Left in Csg. 29.30								Shoe Joint 29.30							
Meas Line								Displace 36.85							
EQUIPMENT								Charge To Vincent Oil							
Pumptrk	No.	8						100sr com 3% cc 2% gel 1/4"							
Bulktrk	No.	9						Common 243							
Bulktrk	No.	2						Poz/Mix 77							
Pickup	No.							Gel. 14							
JOB SERVICES & REMARKS								Calcium 11							
Rat Hole								Hulls							
Mouse Hole								Salt							
Centralizers								Flowseal 80							
Baskets								Kol-Seal							
D/V or Port Collar								Mud CLR 48							
Ran 1415 ft of 8 5/8 surface pipe and landing st								CFL-117 or CD110 CAF 38							
								Sand 388							
								Handling 345							
								Mileage 40							
Est circulation with mud pump								FLOAT EQUIPMENT							
mixed 220 sr 65/35 & tailed in with 100sr com - shut down								Guide Shoe							
Released plug & disp 36.85 bbl H2O and plug landed @ 500 psi								Centralizer							
								Baskets							
Cement Did circulate to surface.								AFU Inserts							
								Float Shoe							
								Latch Down							
								1 - 8 5/8 plug							
								1 - 8 5/8 bottle plug							
								Pumptrk Charge surface							
Thank You								Mileage 40							
								Tax							
								Discount							
X Signature [Signature]								Total Charge							



# ALLIED CEMENTING CO., LLC. 042493

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
G-cq + Bend US

DATE <u>3-4-12</u>	SEC. <u>9</u>	TWP. <u>28S</u>	RANGE <u>23W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:45 PM</u>	JOB FINISH <u>5:45 PM</u>
LEASE <u>Reigel</u>	WELL # <u>1-9</u>	LOCATION <u>Reigel US N To S. Hill RD S West</u>			COUNTY <u>Reigel</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>To 120 / South East to To</u>					

CONTRACTOR <u>Duke 9</u>	OWNER <u>Vincent Oil Co-P</u>
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>5400</u>
CASING SIZE <u>4 1/2</u>	DEPTH <u>5400</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>1300</u>	MINIMUM
MEAS. LINE	SHOE JOINT <u>42.00</u>
CEMENT LEFT IN CSG. <u>42.00</u>	
PERFS.	
DISPLACEMENT <u>83.88 BS</u>	

EQUIPMENT		CEMENT	
PUMP TRUCK	CEMENTER <u>Wayne</u>	AMOUNT ORDERED	<u>175 SX ASC + 5# Kaseal</u>
# <u>398</u>	HELPER <u>Shane</u>		<u>+ .5% FI-160 + Gas Black + DF</u>
BULK TRUCK			<u>50 SX 60/40 + 4% Gel + 500 Gallon ASF</u>
# <u>344/170</u>	DRIVER <u>Don</u>		<u>+ KCL</u>
BULK TRUCK			
#	DRIVER		

COMMON	<u>30</u>	@ <u>16.25</u>	<u>487.50</u>
POZMIX	<u>20</u>	@ <u>8.50</u>	<u>170.00</u>
GEL	<u>2</u>	@ <u>21.25</u>	<u>42.50</u>
CHLORIDE		@	
ASC A	<u>175 SX</u>	@ <u>19.00</u>	<u>3325.00</u>
Kaseal	<u>875</u>	@ <u>.89</u>	<u>778.75</u>
FI-160	<u>82</u>	@ <u>17.20</u>	<u>1410.40</u>
ASF	<u>500 gal</u>	@ <u>1.27</u>	<u>635.00</u>
KCL	<u>96 gal</u>	@ <u>31.25</u>	<u>2992.50</u>
Gas Black	<u>82</u>	@ <u>16.40</u>	<u>1344.80</u>
		@	
		@	
HANDLING	<u>279</u>	@ <u>2.25</u>	<u>627.75</u>
MILEAGE	<u>279 X 50 X .11</u>		<u>1534.50</u>
TOTAL			<u>10,552.45</u>

## REMARKS:

Pipe on Bottom Break circulation  
Drop Ball circulate Ball Thru  
Run 500 Gallon ASF Shut Down  
Plug Ret with 30 SX 60/40 + 4% Gel  
Plug mouse with 20 SX 60/40 + 4% Gel  
Hook up to casing mix 175 SX ASC  
+ 5# Kaseal + .5% FI-160 + Gas Black + DF  
Shut Down wash pump and lines  
Release Plug Displace 83 BS with 284 gal  
Land Plug at 1200 PSI Release and hold  
CHARGE TO: Vincent Oil Co-P

STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

## SERVICE

DEPTH OF JOB	<u>5400</u>	
PUMP TRUCK CHARGE		<u>2695.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>50</u>	@ <u>7.00</u> <u>350.00</u>
MANIFOLD	@	
lum	<u>50</u>	@ <u>4.00</u> <u>200.00</u>
	@	
TOTAL		<u>3,245.00</u>

## PLUG & FLOAT EQUIPMENT

1 Rubber Plug	@	<u>71.00</u>
1 API Insert	@	<u>249.00</u>
4 1/2 Centralizers	@ <u>48.00</u>	<u>216.00</u>
1 Guide Shoe	@	<u>192.00</u>
Centralizers at 1-3-5-7-9-11	@	
TOTAL		<u>800.00</u>

To Allied Cementing Co., LLC.

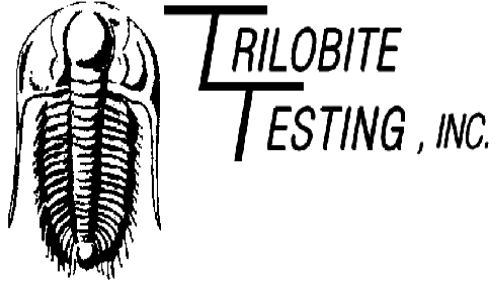
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME ERIK HAGANS

SIGNATURE [Signature] FOREMAN

SALES TAX (If Any)	
TOTAL CHARGES	<u>14,597.45</u>
20% DISCOUNT	<u>2,919.49</u>
	<u>11,677.96</u>
IF PAID IN 30 DAYS	





## DRILL STEM TEST REPORT

Prepared For: **Vincent Oil Corporation**

155 N Market Ste 700  
Wichita, KS 67202

ATTN: Jim Hall

### **Riegel #1-9**

#### **9-28s-23w Ford,KS**

Start Date: 2012.02.27 @ 14:13:44

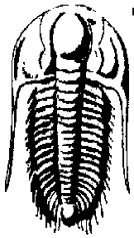
End Date: 2012.02.27 @ 22:56:14

Job Ticket #: 45760                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.03.07 @ 11:29:49





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Vincent Oil Corporation

155 N Market Ste 700  
Wichita, KS 67202

ATTN: Jim Hall

**9-28s-23w Ford, KS**

**Riegel #1-9**

Job Ticket: 45760

**DST#: 1**

Test Start: 2012.02.27 @ 14:13:44

### GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:44:44

Time Test Ended: 22:56:14

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

**Interval: 4913.00 ft (KB) To 4932.00 ft (KB) (TVD)**

Reference Elevations: 2494.00 ft (KB)

Total Depth: 4942.00 ft (KB) (TVD)

2481.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

**Serial #: 6798 Inside**

Press @ Run Depth: 134.30 psig @ 4914.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.27

End Date:

2012.02.27

Last Calib.:

2012.02.27

Start Time: 14:13:45

End Time:

22:56:14

Time On Btm:

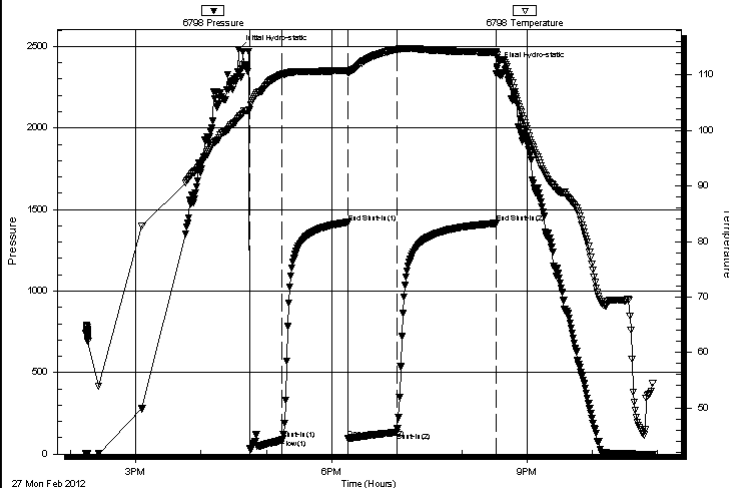
2012.02.27 @ 16:34:44

Time Off Btm:

2012.02.27 @ 20:32:29

TEST COMMENT: IF: Fair Blow Built to 8 1/2 inches  
IS: No Blow Back  
FF: Fair Blow, Built to 9 1/2 inches  
FS: No Blow Back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2482.51	102.25	Initial Hydro-static
10	32.66	103.75	Open To Flow (1)
40	87.94	110.11	Shut-In (1)
100	1421.42	110.84	End Shut-In (1)
101	95.70	110.46	Open To Flow (2)
146	134.30	114.56	Shut-In (2)
237	1415.66	114.14	End Shut-In (2)
238	2375.44	113.59	Final Hydro-static

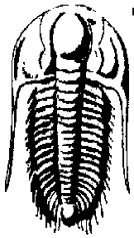
Recovery

Length (ft)	Description	Volume (bbl)
0.00	72 Feet GIP	0.00
184.00	MCW 5%M 95%W	0.90
50.00	OWCM 10%O 40%W 50%M	0.70

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Vincent Oil Corporation

155 N Market Ste 700  
Wichita, KS 67202

ATTN: Jim Hall

**9-28s-23w Ford, KS**

**Riegel #1-9**

Job Ticket: 45760

**DST#: 1**

Test Start: 2012.02.27 @ 14:13:44

### GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:44:44

Time Test Ended: 22:56:14

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

**Interval: 4913.00 ft (KB) To 4932.00 ft (KB) (TVD)**

Total Depth: 4942.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2494.00 ft (KB)

2481.00 ft (CF)

KB to GR/CF: 13.00 ft

**Serial #: 8367 Outside**

Press @ Run Depth: psig @ 4914.00 ft (KB)

Start Date: 2012.02.27

End Date:

2012.02.27

Start Time: 14:14:30

End Time:

22:56:29

Capacity: 8000.00 psig

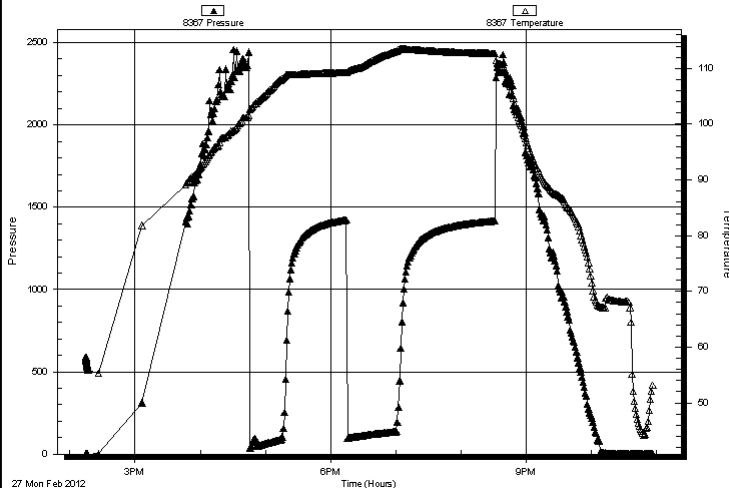
Last Calib.: 2012.02.27

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Fair Blow Built to 8 1/2 inches  
IS: No Blow Back  
FF: Fair Blow, Built to 9 1/2 inches  
FS: No Blow Back

Pressure vs. Time



### PRESSURE SUMMARY

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

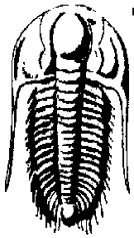
### Recovery

Length (ft)	Description	Volume (bbl)
0.00	72 Feet GIP	0.00
184.00	MCW 5%M 95%W	0.90
50.00	OWCM 10%O 40%W 50%M	0.70

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vincent Oil Corporation

**9-28s-23w Ford,KS**

155 N Market Ste 700  
Wichita, KS 67202

**Riegel #1-9**

Job Ticket: 45760

**DST#: 1**

ATTN: Jim Hall

Test Start: 2012.02.27 @ 14:13:44

### Tool Information

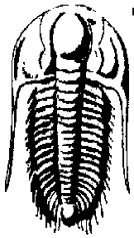
Drill Pipe:	Length:	4722.00 ft	Diameter:	3.80 inches	Volume:	66.24 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	184.00 ft	Diameter:	2.25 inches	Volume:	0.90 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	67.14 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft					String Weight: Initial	65000.00 lb	
Depth to Top Packer:	4913.00 ft					Final	66000.00 lb	
Depth to Bottom Packer:	ft							
Interval between Packers:	29.00 ft							
Tool Length:	56.00 ft							
Number of Packers:	2		Diameter:	6.75 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4891.00	
Hydraulic tool	5.00			4896.00	
Jars	5.00			4901.00	
Safety Joint	2.00			4903.00	
Packer	5.00			4908.00	27.00 Bottom Of Top Packer
Packer	5.00			4913.00	
Stubb	1.00			4914.00	
Recorder	0.00	6798	Inside	4914.00	
Recorder	0.00	8367	Outside	4914.00	
Perforations	25.00			4939.00	
Bullnose	3.00			4942.00	29.00 Bottom Packers & Anchor

**Total Tool Length: 56.00**





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Vincent Oil Corporation

**9-28s-23w Ford,KS**

155 N Market Ste 700  
Wichita, KS 67202

**Riegel #1-9**

Job Ticket: 45760

**DST#: 1**

ATTN: Jim Hall

Test Start: 2012.02.27 @ 14:13:44

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 8.37 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 5800.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity: 89000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	72 Feet GIP	0.000
184.00	MCW 5%M 95%W	0.905
50.00	OWCM 10%O 40%W 50%M	0.701

Total Length: 234.00 ft      Total Volume: 1.606 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .15 @ 42 degrees



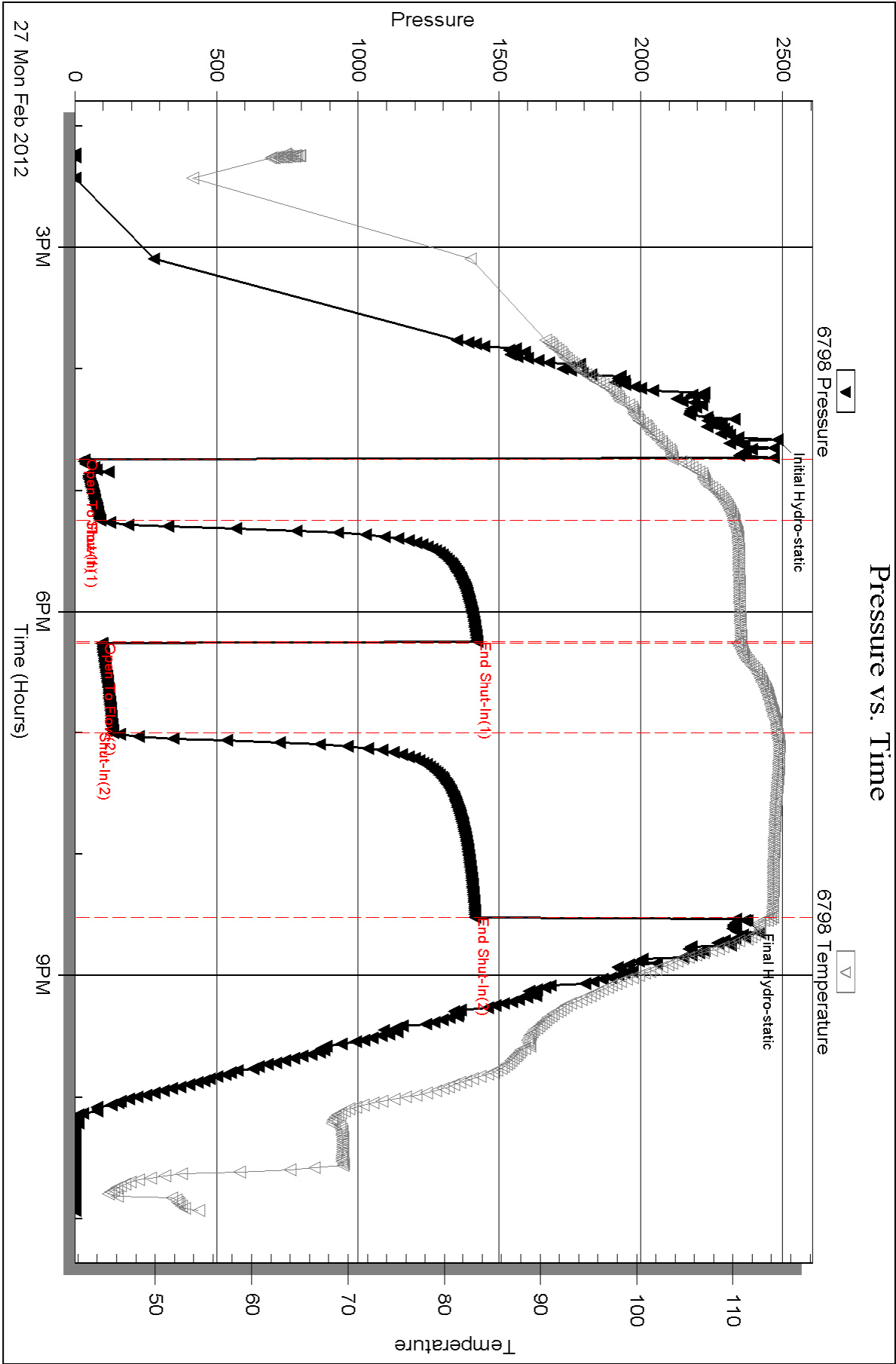
Serial #: 6798

Inside

Vincent Oil Corporation

Riegel #1-9

DST Test Number: 1



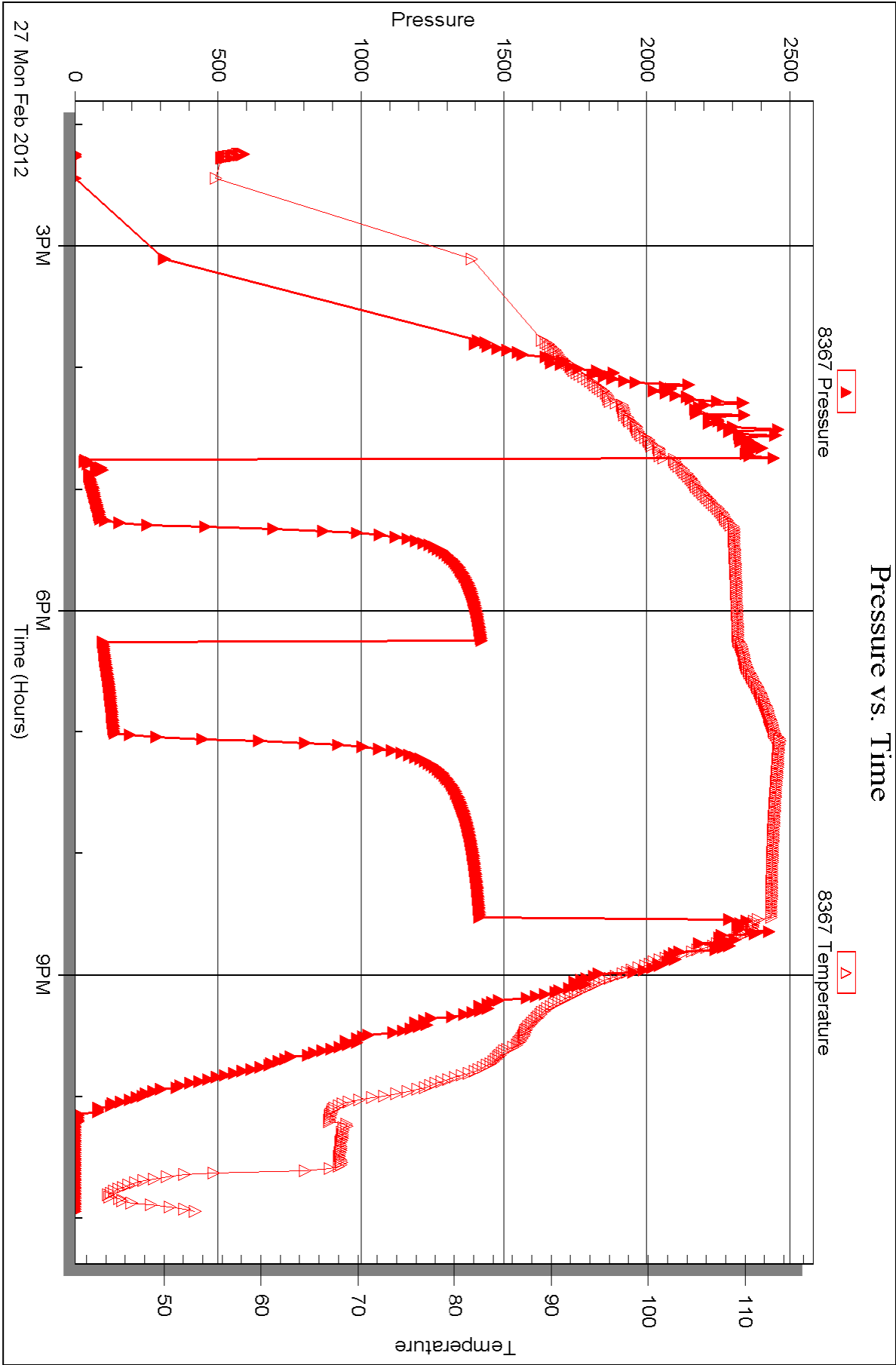


Serial #: 8367

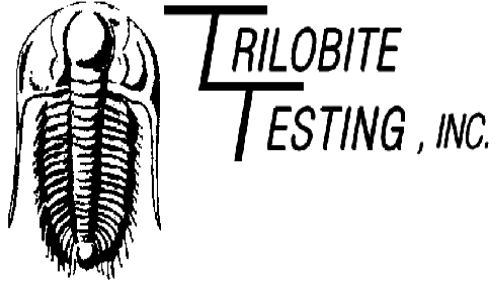
Outside Vincent Oil Corporation

Riegel #1-9

DST Test Number: 1







## DRILL STEM TEST REPORT

Prepared For: **Vincent Oil Corporation**

155 N Market Ste 700  
Wichita, KS 67202

ATTN: Jim Hall

### **Riegel #1-9**

#### **9-28s-23w Ford,KS**

Start Date: 2012.02.28 @ 20:08:30

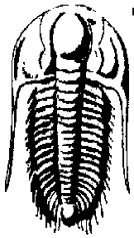
End Date: 2012.02.29 @ 05:23:30

Job Ticket #: 45761                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.03.07 @ 11:29:13





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Vincent Oil Corporation

**9-28s-23w Ford, KS**

155 N Market Ste 700  
Wichita, KS 67202

**Riegel #1-9**

Job Ticket: 45761

**DST#: 2**

ATTN: Jim Hall

Test Start: 2012.02.28 @ 20:08:30

### GENERAL INFORMATION:

Formation: **Lower Penn**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:56:30

Time Test Ended: 05:23:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

**Interval: 4965.00 ft (KB) To 5076.00 ft (KB) (TVD)**

Total Depth: 5076.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2494.00 ft (KB)

2481.00 ft (CF)

KB to GR/CF: 13.00 ft

**Serial #: 6798 Inside**

Press @ Run Depth: 44.17 psig @ 4966.00 ft (KB)

Start Date: 2012.02.28

End Date:

2012.02.29

Start Time: 20:08:31

End Time:

05:23:30

Capacity: 8000.00 psig

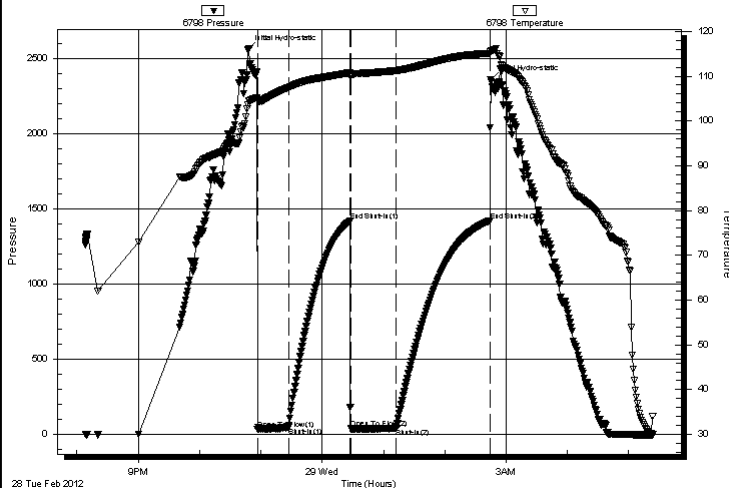
Last Calib.: 2012.02.29

Time On Btm: 2012.02.28 @ 22:47:30

Time Off Btm: 2012.02.29 @ 02:45:00

**TEST COMMENT:** IF: Strong Blow, BOB in 4 minutes  
IS: No Blow Back  
FF: Strong Blow, BOB in 10 seconds  
FS: No Blow Back, (GTS While Bleeding Off)

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2561.88	103.67	Initial Hydro-static
9	35.34	104.49	Open To Flow (1)
40	51.82	107.45	Shut-In(1)
100	1419.74	110.74	End Shut-In(1)
101	40.52	110.17	Open To Flow (2)
145	44.17	111.20	Shut-In(2)
237	1422.78	115.11	End Shut-In(2)
238	2361.72	115.35	Final Hydro-static

Recovery

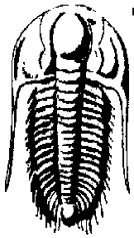
Length (ft)	Description	Volume (bbl)
0.00	4965 Feet GIP	0.00
5.00	GCM 10%G 90%M	0.02

Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Vincent Oil Corporation

155 N Market Ste 700  
Wichita, KS 67202

ATTN: Jim Hall

**9-28s-23w Ford,KS**

**Riegel #1-9**

Job Ticket: 45761

**DST#: 2**

Test Start: 2012.02.28 @ 20:08:30

### GENERAL INFORMATION:

Formation: **Lower Penn**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:56:30

Time Test Ended: 05:23:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

**Interval: 4965.00 ft (KB) To 5076.00 ft (KB) (TVD)**

Total Depth: 5076.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2494.00 ft (KB)

2481.00 ft (CF)

KB to GR/CF: 13.00 ft

**Serial #: 8367 Outside**

Press @ Run Depth: psig @ 4966.00 ft (KB)

Start Date: 2012.02.28

End Date:

2012.02.29

Start Time: 20:08:31

End Time:

05:27:45

Capacity: 8000.00 psig

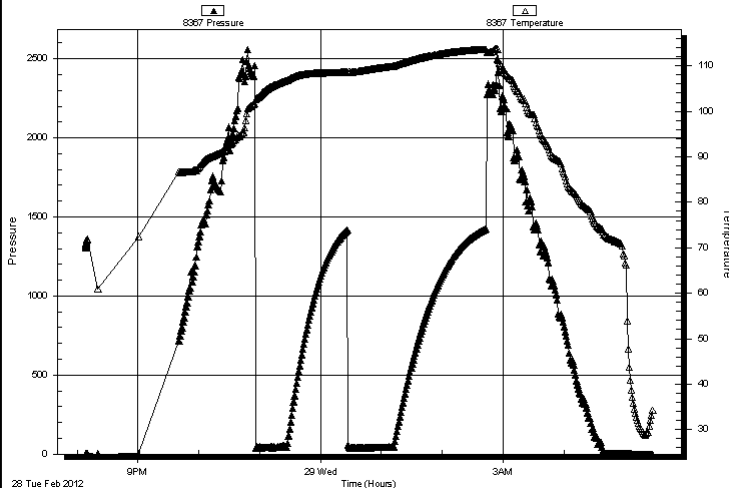
Last Calib.: 2012.02.29

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: Strong Blow , BOB in 4 minutes  
IS: No Blow Back  
FF: Strong Blow , BOB in 10 seconds  
FS: No Blow Back, (GTS While Bleeding Off)

Pressure vs. Time



### PRESSURE SUMMARY

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

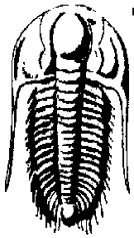
Length (ft)	Description	Volume (bbl)
0.00	4965 Feet GIP	0.00
5.00	GCM 10%G 90%M	0.02

### Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vincent Oil Corporation

**9-28s-23w Ford,KS**

155 N Market Ste 700  
Wichita, KS 67202

**Riegel #1-9**

Job Ticket: 45761

**DST#: 2**

ATTN: Jim Hall

Test Start: 2012.02.28 @ 20:08:30

### Tool Information

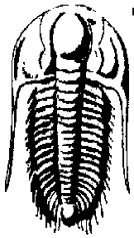
Drill Pipe:	Length: 4786.00 ft	Diameter: 3.80 inches	Volume: 67.13 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	68.03 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4965.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	111.00 ft				
Tool Length:	138.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4943.00	
Hydraulic tool	5.00			4948.00	
Jars	5.00			4953.00	
Safety Joint	2.00			4955.00	
Packer	5.00			4960.00	27.00 Bottom Of Top Packer
Packer	5.00			4965.00	
Stubb	1.00			4966.00	
Recorder	0.00	6798	Inside	4966.00	
Recorder	0.00	8367	Outside	4966.00	
Perforations	5.00			4971.00	
Change Over Sub	1.00			4972.00	
Drill Pipe	95.00			5067.00	
Change Over Sub	1.00			5068.00	
Perforations	5.00			5073.00	
Bullnose	3.00			5076.00	111.00 Bottom Packers & Anchor

**Total Tool Length: 138.00**





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Vincent Oil Corporation

**9-28s-23w Ford,KS**

155 N Market Ste 700  
Wichita, KS 67202

**Riegel #1-9**

Job Ticket: 45761

**DST#: 2**

ATTN: Jim Hall

Test Start: 2012.02.28 @ 20:08:30

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 8.78 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 9800.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4965 Feet GIP	0.000
5.00	GCM 10%G 90%M	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



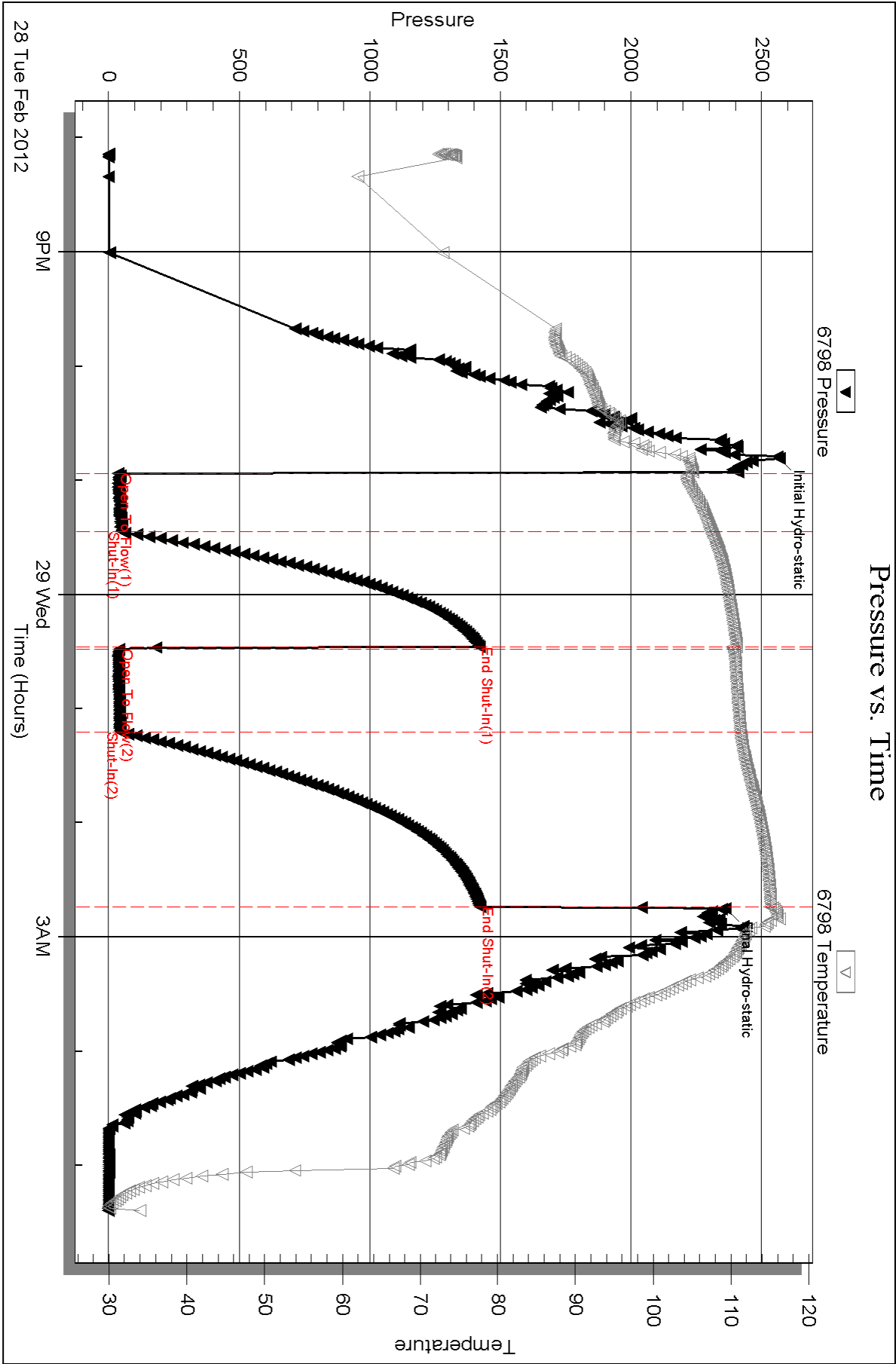
Serial #: 6798

Inside

Vincent Oil Corporation

Riegel #1-9

DST Test Number: 2



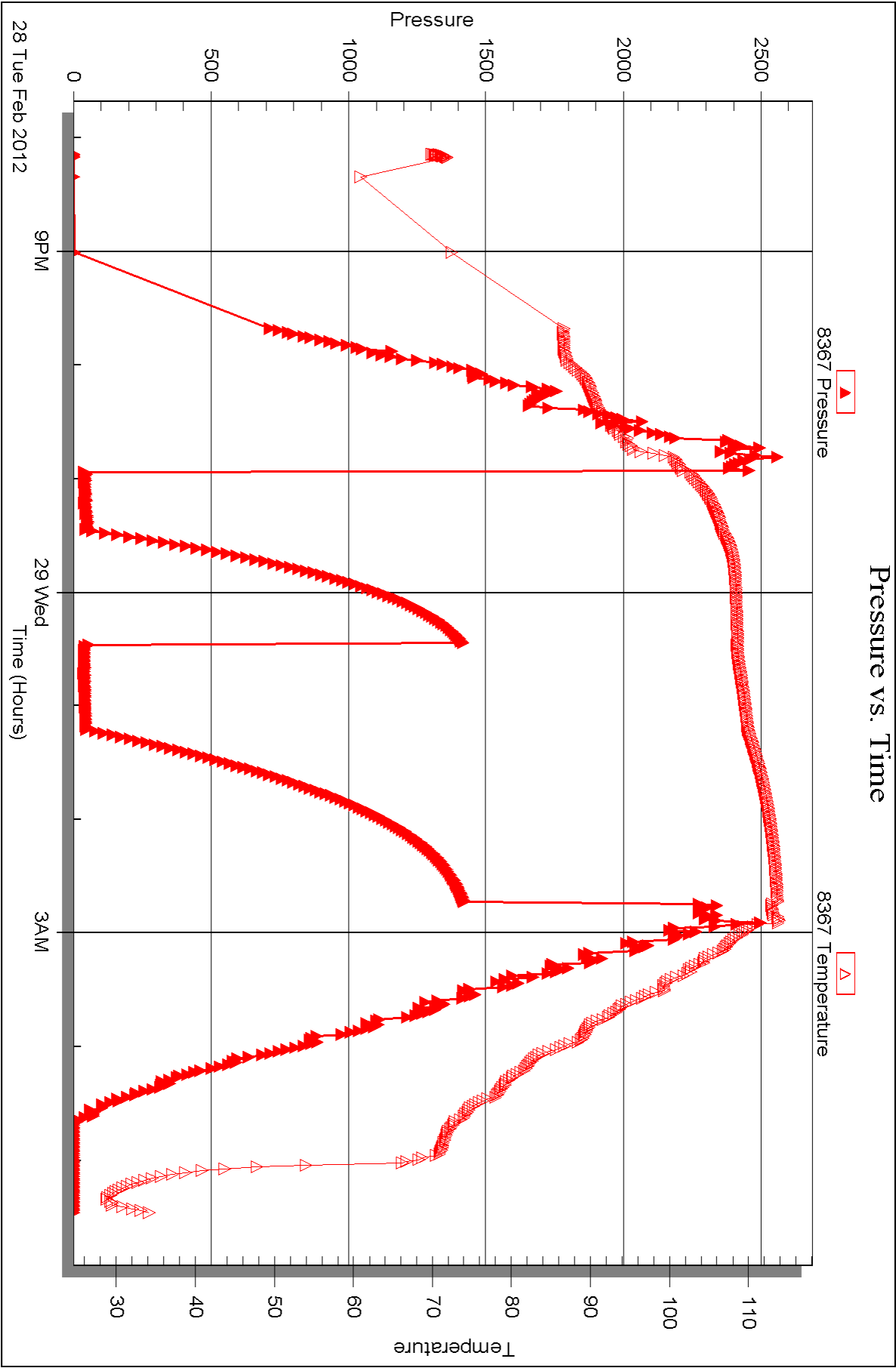


Serial #: 8367

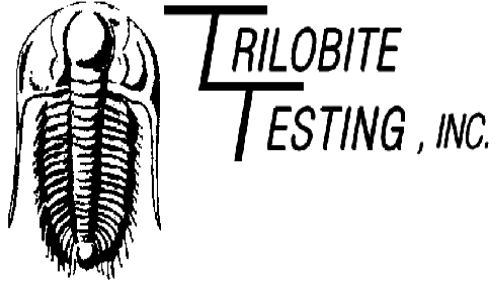
Outside Vincent Oil Corporation

Riegel #1-9

DST Test Number: 2







## DRILL STEM TEST REPORT

Prepared For: **Vincent Oil Corporation**

155 N Market Ste 700  
Wichita, KS 67202

ATTN: Jim Hall

### **Riegel #1-9**

#### **9-28s-23w Ford,KS**

Start Date: 2012.02.29 @ 16:39:31

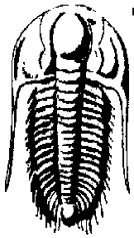
End Date: 2012.03.01 @ 01:49:46

Job Ticket #: 45762                      DST #: 3

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.03.07 @ 11:28:37





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Vincent Oil Corporation

155 N Market Ste 700  
Wichita, KS 67202

ATTN: Jim Hall

**9-28s-23w Ford, KS**

**Riegel #1-9**

Job Ticket: 45762

**DST#: 3**

Test Start: 2012.02.29 @ 16:39:31

### GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:54:31

Time Test Ended: 01:49:46

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

**Interval: 4981.00 ft (KB) To 5105.00 ft (KB) (TVD)**

Total Depth: 5105.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2494.00 ft (KB)

2481.00 ft (CF)

KB to GR/CF: 13.00 ft

**Serial #: 6798 Inside**

Press @ Run Depth: 65.92 psig @ 4982.00 ft (KB)

Start Date: 2012.02.29

End Date:

2012.03.01

Start Time: 16:39:32

End Time:

01:49:46

Capacity: 8000.00 psig

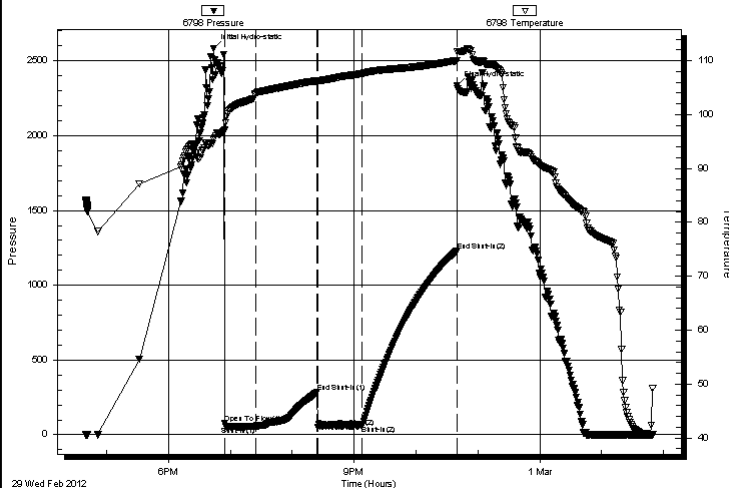
Last Calib.: 2012.03.01

Time On Btm: 2012.02.29 @ 18:43:31

Time Off Btm: 2012.02.29 @ 22:40:01

**TEST COMMENT:** IF: Strong Blow , BOB in 3 minutes  
ISI: Blow Back Built to 4 inches  
FF: Strong Blow , BOB Immediate  
FSI: 1 inch Blow Back

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2583.59	95.39	Initial Hydro-static
11	77.91	97.10	Open To Flow (1)
41	56.24	103.92	Shut-In (1)
100	282.79	106.26	End Shut-In (1)
101	52.40	106.17	Open To Flow (2)
144	65.92	107.61	Shut-In (2)
236	1228.74	110.01	End Shut-In (2)
237	2332.44	111.73	Final Hydro-static

### Recovery

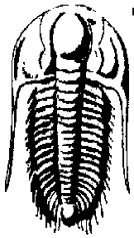
Length (ft)	Description	Volume (bbl)
0.00	4216 GIP	0.00
124.00	GCM 2%G 98%M	0.61

### Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Vincent Oil Corporation

**9-28s-23w Ford,KS**

155 N Market Ste 700  
Wichita, KS 67202

**Riegel #1-9**

Job Ticket: 45762

**DST#: 3**

ATTN: Jim Hall

Test Start: 2012.02.29 @ 16:39:31

### GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:54:31

Time Test Ended: 01:49:46

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

**Interval: 4981.00 ft (KB) To 5105.00 ft (KB) (TVD)**

Total Depth: 5105.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2494.00 ft (KB)

2481.00 ft (CF)

KB to GR/CF: 13.00 ft

**Serial #: 8367 Outside**

Press @ Run Depth: psig @ 4982.00 ft (KB)

Start Date: 2012.02.29

End Date:

2012.03.01

Start Time: 16:39:32

End Time:

01:50:16

Capacity: 8000.00 psig

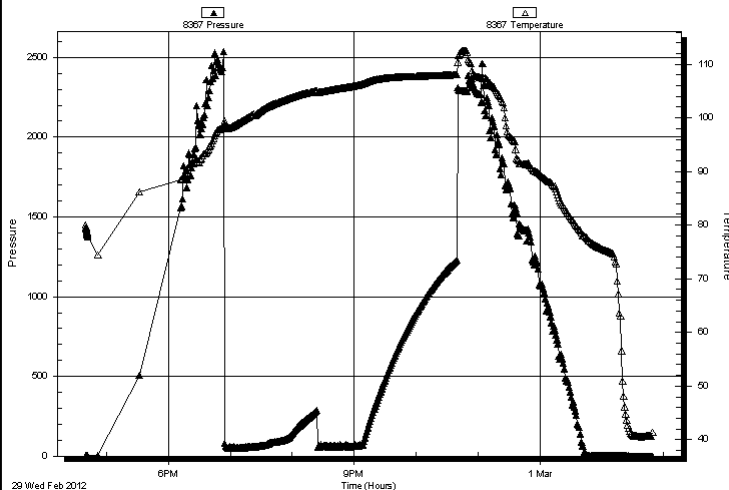
Last Calib.: 2012.03.01

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: Strong Blow , BOB in 3 minutes  
ISI: Blow Back Built to 4 inches  
FF: Strong Blow , BOB Immediate  
FSI: 1 inch Blow Back

Pressure vs. Time



### PRESSURE SUMMARY

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

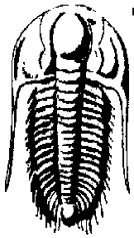
Length (ft)	Description	Volume (bbl)
0.00	4216 GIP	0.00
124.00	GCM 2%G 98%M	0.61

### Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vincent Oil Corporation

**9-28s-23w Ford,KS**

155 N Market Ste 700  
Wichita, KS 67202

**Riegel #1-9**

Job Ticket: 45762

**DST#: 3**

ATTN: Jim Hall

Test Start: 2012.02.29 @ 16:39:31

### Tool Information

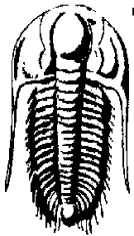
Drill Pipe:	Length: 4786.00 ft	Diameter: 3.80 inches	Volume: 67.13 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 72000.00 lb
		Total Volume:	68.03 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4981.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	124.00 ft			
Tool Length:	151.00 ft			
Number of Packers:	2	Diameter:	6.75 inches	
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4959.00	
Hydraulic tool	5.00			4964.00	
Jars	5.00			4969.00	
Safety Joint	2.00			4971.00	
Packer	5.00			4976.00	27.00 Bottom Of Top Packer
Packer	5.00			4981.00	
Stubb	1.00			4982.00	
Recorder	0.00	6798	Inside	4982.00	
Recorder	0.00	8367	Outside	4982.00	
Perforations	5.00			4987.00	
Change Over Sub	1.00			4988.00	
Drill Pipe	94.00			5082.00	
Change Over Sub	1.00			5083.00	
Perforations	19.00			5102.00	
Bullnose	3.00			5105.00	124.00 Bottom Packers & Anchor

**Total Tool Length: 151.00**





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Vincent Oil Corporation

**9-28s-23w Ford,KS**

155 N Market Ste 700  
Wichita, KS 67202

**Riegel #1-9**

Job Ticket: 45762

**DST#: 3**

ATTN: Jim Hall

Test Start: 2012.02.29 @ 16:39:31

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: sec/qt

Water Loss: 9.59 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 10500.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4216 GIP	0.000
124.00	GCM 2%G 98%M	0.610

Total Length: 124.00 ft

Total Volume: 0.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 6798

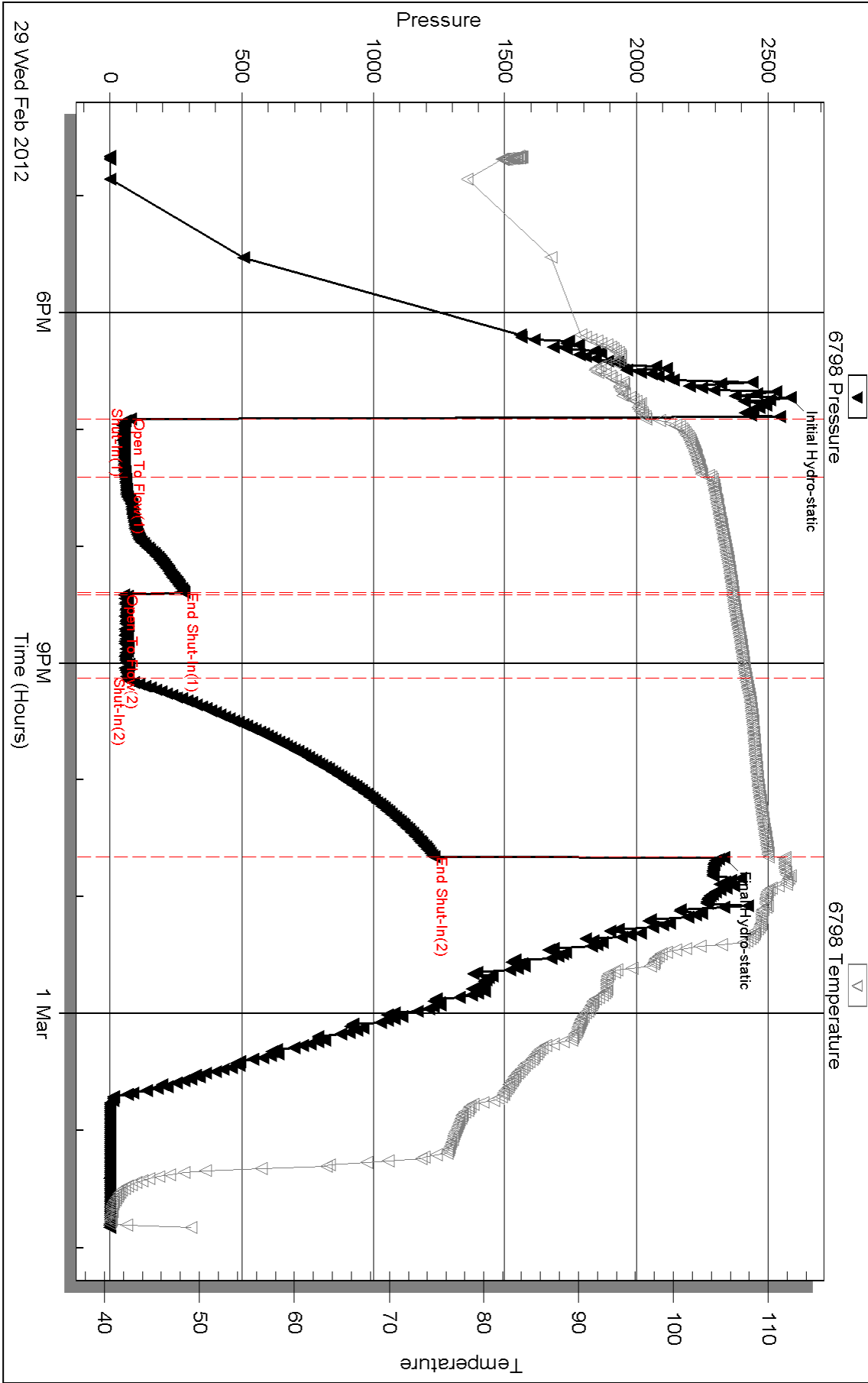
Inside

Vincent Oil Corporation

Riegel #1-9

DST Test Number: 3

# Pressure vs. Time



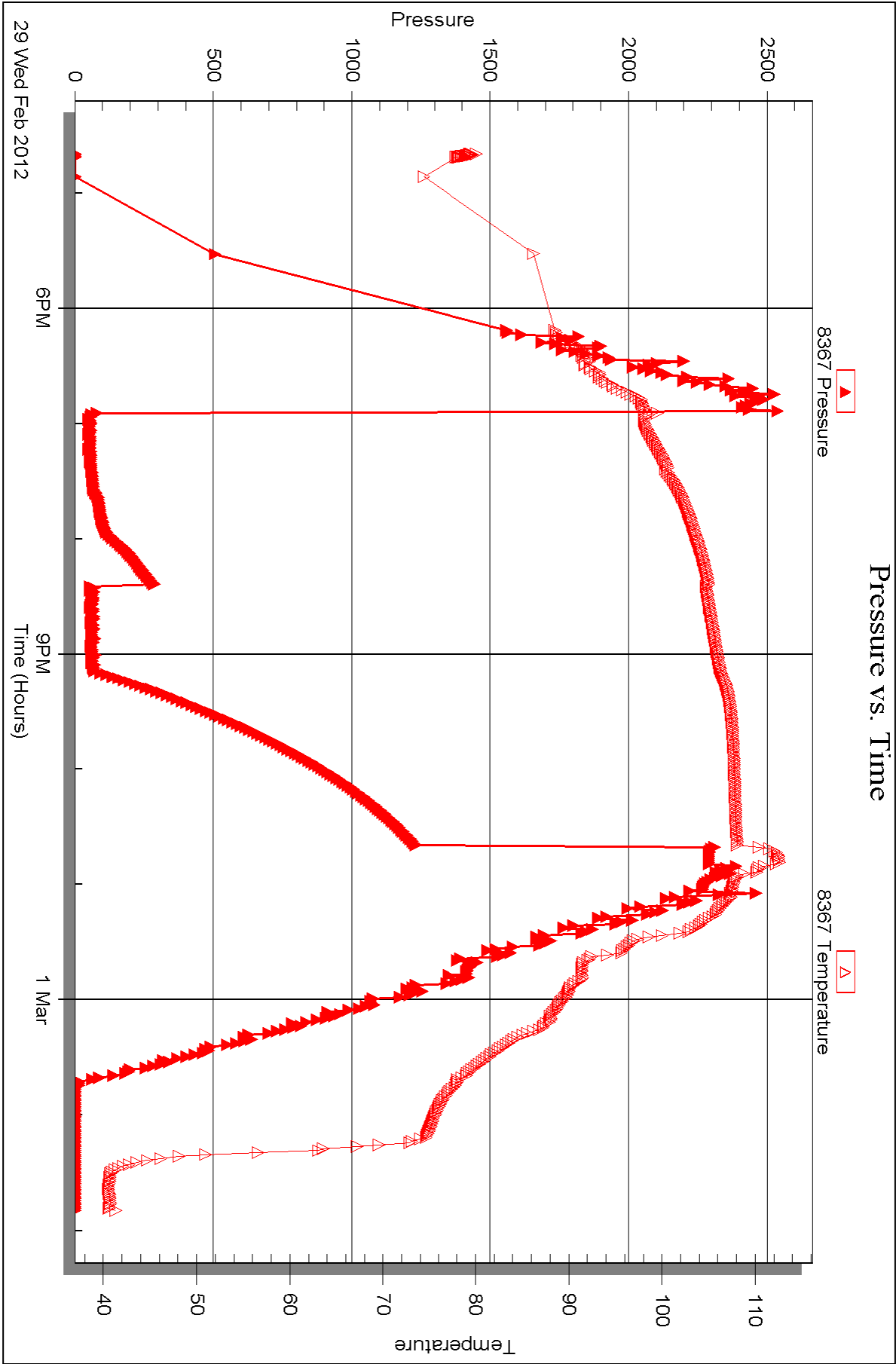


Serial #: 8367

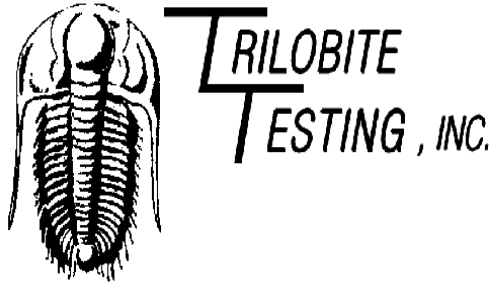
Outside Vincent Oil Corporation

Riegel #1-9

DST Test Number: 3







## DRILL STEM TEST REPORT

Prepared For: **Vincent Oil Corporation**

155 N Market Ste 700  
Wichita, KS 67202

ATTN: Jim Hall

### **Riegel #1-9**

#### **9-28s-23w Ford,KS**

Start Date: 2012.03.01 @ 11:27:28

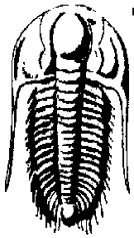
End Date: 2012.03.01 @ 19:21:13

Job Ticket #: 45763                      DST #: 4

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.03.07 @ 11:28:01





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Vincent Oil Corporation

**9-28s-23w Ford, KS**

155 N Market Ste 700  
Wichita, KS 67202

**Riegel #1-9**

Job Ticket: 45763

**DST#: 4**

ATTN: Jim Hall

Test Start: 2012.03.01 @ 11:27:28

### GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:41:28

Time Test Ended: 19:21:13

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

**Interval: 5103.00 ft (KB) To 5126.00 ft (KB) (TVD)**

Total Depth: 5126.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2494.00 ft (KB)

2481.00 ft (CF)

KB to GR/CF: 13.00 ft

**Serial #: 6798 Inside**

Press @ Run Depth: 847.02 psig @ 5104.00 ft (KB)

Start Date: 2012.03.01

End Date:

2012.03.01

Start Time: 11:27:29

End Time:

19:21:13

Capacity: 8000.00 psig

Last Calib.: 2012.03.01

Time On Btm: 2012.03.01 @ 13:39:28

Time Off Btm: 2012.03.01 @ 17:14:13

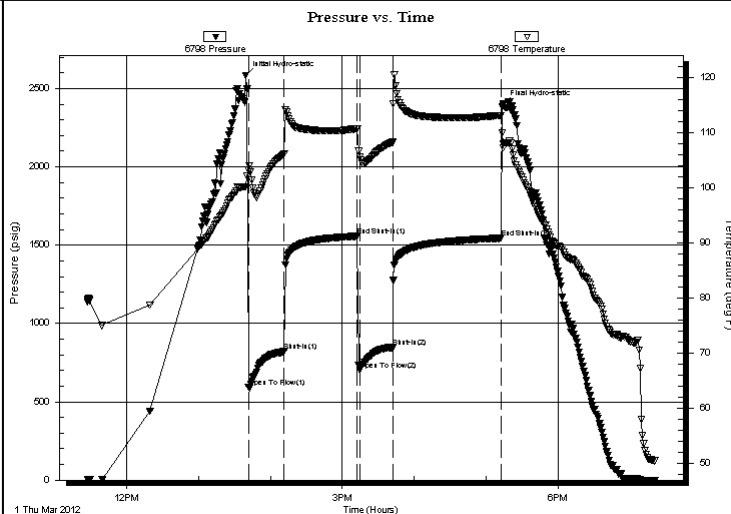
**TEST COMMENT:** IF: Strong Blow, BOB in 10 seconds, GTS in 3 minutes, Gauged Gas & Caught Sample

ISI: Would Not Bleed Off

FF: BOB & GTS Immediate, Took Sample & Gauged Gas

FSI: Would Not Bleed Off

### PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2584.20	100.23	Initial Hydro-static
2	593.36	103.20	Open To Flow (1)
32	824.06	106.10	Shut-In (1)
93	1557.59	110.72	End Shut-In (1)
95	701.28	105.52	Open To Flow (2)
123	847.02	108.26	Shut-In (2)
213	1544.64	113.09	End Shut-In (2)
215	2399.55	107.94	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	4956 Feet GIP	0.00
124.00	MCW 30%M 70%W	0.61
16.00	GOWCM 5%G 5%O 42%W 48%M	0.08

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	290.00	2054.06
Last Gas Rate	1.00	390.00	11628.90
Max. Gas Rate	1.00	390.00	11628.90

\* Recovery from multiple tests

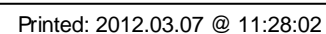




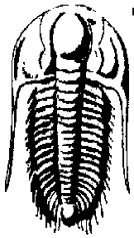
## Test Start: 2012.03.01 @ 11:27:28

KB to GR/CF: 13.00 ft

FSI: Would Not Bleed Off







**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vincent Oil Corporation

**9-28s-23w Ford,KS**

155 N Market Ste 700  
Wichita, KS 67202

**Riegel #1-9**

Job Ticket: 45763

**DST#: 4**

ATTN: Jim Hall

Test Start: 2012.03.01 @ 11:27:28

### Tool Information

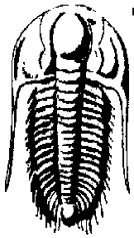
Drill Pipe:	Length:	4912.00 ft	Diameter:	3.80 inches	Volume:	68.90 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	184.00 ft	Diameter:	2.25 inches	Volume:	0.90 bbl	Weight to Pull Loose:	90000.00 lb
					Total Volume:	69.80 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight: Initial	70000.00 lb
Depth to Top Packer:		5103.00 ft					Final	71000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		23.00 ft						
Tool Length:		50.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			5081.00	
Hydraulic tool	5.00			5086.00	
Jars	5.00			5091.00	
Safety Joint	2.00			5093.00	
Packer	5.00			5098.00	27.00 Bottom Of Top Packer
Packer	5.00			5103.00	
Stubb	1.00			5104.00	
Recorder	0.00	6798	Inside	5104.00	
Recorder	0.00	8367	Outside	5104.00	
Perforations	19.00			5123.00	
Bullnose	3.00			5126.00	23.00 Bottom Packers & Anchor

**Total Tool Length: 50.00**





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Vincent Oil Corporation

**9-28s-23w Ford,KS**

155 N Market Ste 700  
Wichita, KS 67202

**Riegel #1-9**

Job Ticket: 45763

**DST#: 4**

ATTN: Jim Hall

Test Start: 2012.03.01 @ 11:27:28

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.79 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 11800.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 65000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4956 Feet GIP	0.000
124.00	MCW 30%M 70%W	0.610
16.00	GOWCM 5%G 5%O 42%W 48%M	0.079

Total Length: 140.00 ft      Total Volume: 0.689 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .15 @ 55 degrees



Serial #: 6798

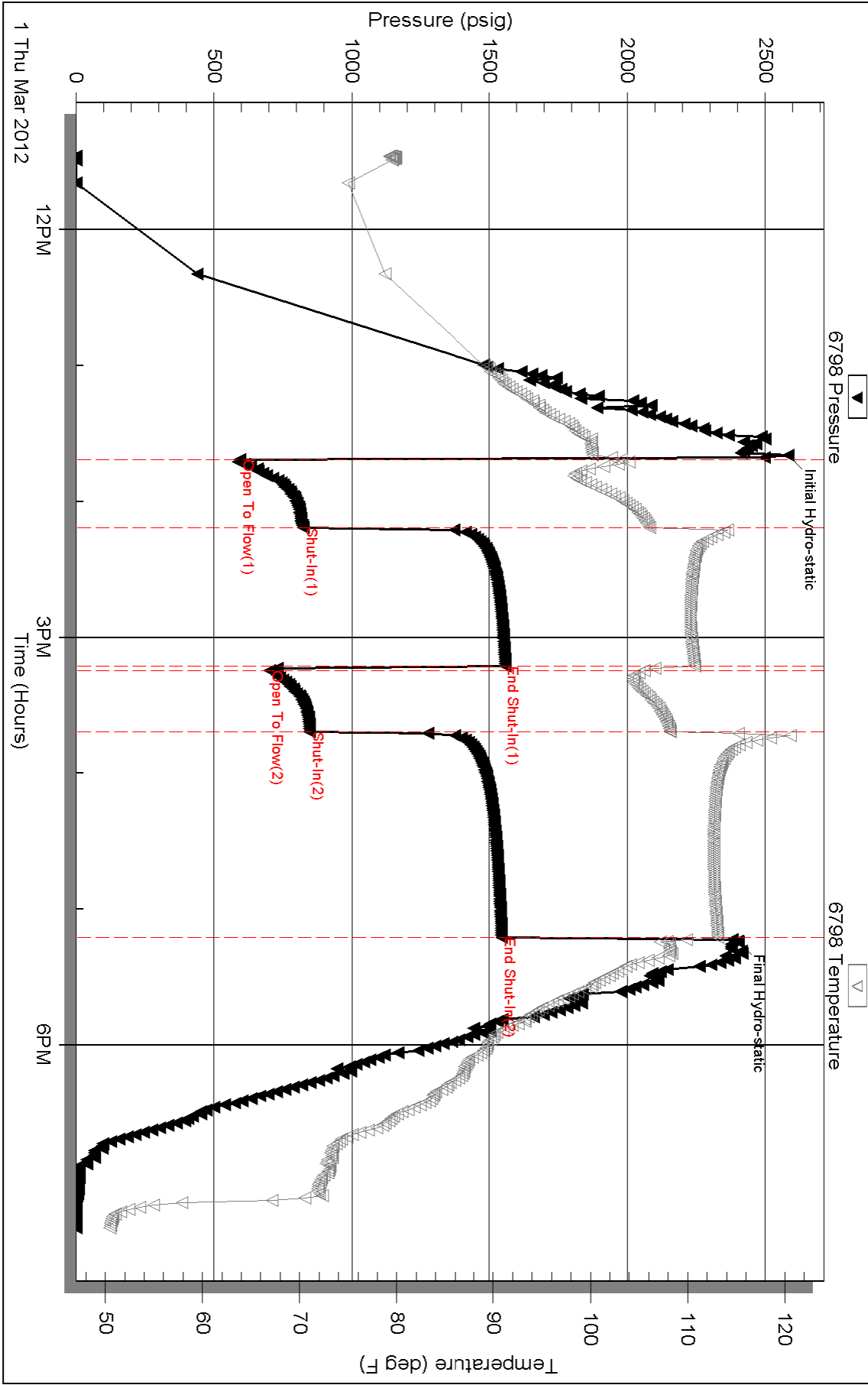
Inside

Vincent Oil Corporation

Riegel #1-9

DST Test Number: 4

Pressure vs. Time



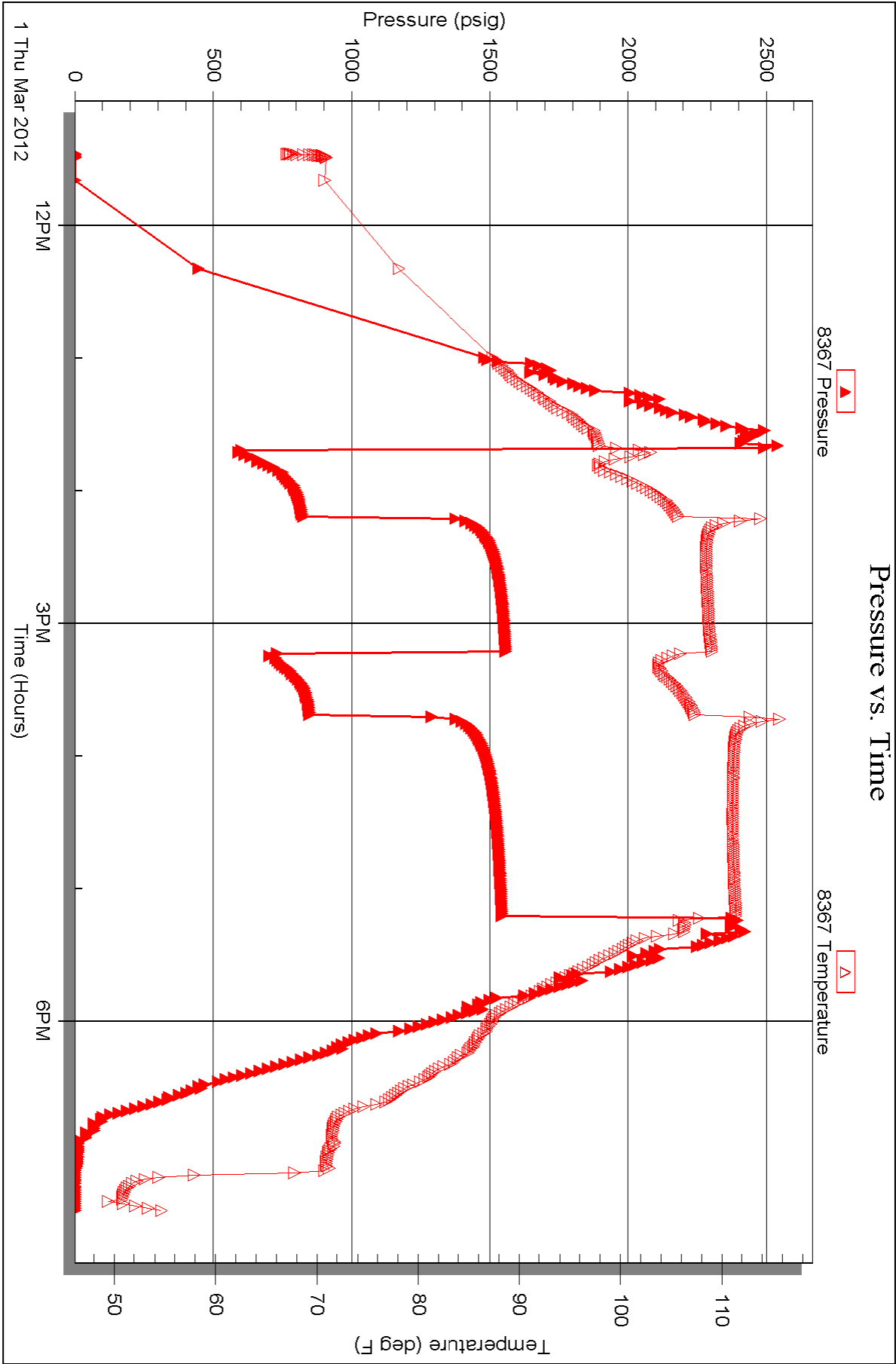


Serial #: 8367

Outside Vincent Oil Corporation

Riegel #1-9

DST Test Number: 4







# TRILOBITE TESTING INC.

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## Test Ticket

NO. 45760

Well Name & No. Riegel 1-9 Test No. 1 Date 02/27/12  
Company Vincent Oil Corporation Elevation 2494 KB 2481 GL  
Address 155 N. Market Ste 700 Wichita, KS 67202  
Co. Rep / Geo. Jim Hall Rig Duke 9  
Location: Sec. 9 Twp. 28S Rge. 23W Co. Ford State KS

Interval Tested 4913 - 4942 Zone Tested Pawnee  
Anchor Length 29 Drill Pipe Run 4722 Mud Wt. 9.2  
Top Packer Depth 4908 Drill Collars Run 184 Vis 50  
Bottom Packer Depth 4913 Wt. Pipe Run 0 WL 8.4  
Total Depth 4942 Chlorides 5800 ppm System LCM 4#

Blow Description IF: Fair Blow, Built to 8 1/2 inches

ISI: NO BLOW BACK

FF: Fair Blow, Built to 9 1/2 inches

EST: NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>72</u>	<u>GIP</u>				
<u>50</u>	<u>OWCM</u>		<u>10</u>	<u>40</u>	<u>50</u>
<u>184</u>	<u>MCW</u>			<u>95</u>	<u>5</u>

Rec Total 234 BHT 114° Gravity N/C API RW .15 @ 42 °F Chlorides 89000 ppm

(A) Initial Hydrostatic 2482 ☒ Test 1225  
(B) First Initial Flow 33 ☒ Jars 250  
(C) First Final Flow 88 ☒ Safety Joint 75  
(D) Initial Shut-In 1421 ☐ Circ Sub  
(E) Second Initial Flow 96 ☐ Hourly Standby  
(F) Second Final Flow 134 ☒ Mileage (150) 210  
(G) Final Shut-In 1416 ☐ Sampler  
(H) Final Hydrostatic 2375 ☐ Straddle  
☐ Shale Packer  
☐ Extra Packer  
☐ Extra Recorder  
☐ Day Standby  
☐ Accessibility

T-On Location 14:00  
T-Started 14:13  
T-Open 16:44  
T-Pulled 20:31  
T-Out 22:56  
Comments

Initial Open 30  
Initial Shut-In 60  
Final Flow 45  
Final Shut-In 90

☐ Ruined Shale Packer  
☐ Ruined Packer  
☐ Extra Copies  
Sub Total 0  
Total 1760  
MP/DST Disc't

Approved By Jim Hall

Our Representative [Signature]

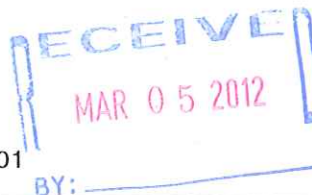
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## Test Ticket

NO. 45761

Well Name & No. Riegel 1-9 Test No. 2 Date 02/28/12  
 Company Vincent oil corporation Elevation 2494 KB 2481 GL  
 Address 155 N Market Ste 700 Wichita, KS 67202  
 Co. Rep / Geo. Jim Hall Rig Duke 9  
 Location: Sec. 9 Twp. 28 S Rge. 23 W Co. Ford State KS

Interval Tested 4965 - 5076 Zone Tested Lower Penn  
 Anchor Length 111 Drill Pipe Run 4786 Mud Wt. 9.2  
 Top Packer Depth 4960 Drill Collars Run 184 Vis 51  
 Bottom Packer Depth 4965 Wt. Pipe Run 0 WL 8.8  
 Total Depth 5076 Chlorides 9800 ppm System LCM 3

Blow Description IF: Strong Blow, BOB in 4 minutes  
ISI: NO Blow Back  
FF: Strong Blow, BOB ~~in~~ in 10 seconds  
FSI: NO Blow Back (GTS while bleeding off)

Rec	Feet of	%gas	%oil	%water	%mud
<u>4965</u>	<u>GTP</u>				
<u>5</u>	<u>GCM</u>	<u>10</u>			<u>90</u>

Rec Total 5 BHT 115° Gravity N/C API RW N/C @ N/C F Chlorides N/C ppm

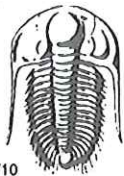
(A) Initial Hydrostatic	<u>2562</u>	<input checked="" type="checkbox"/> Test	<u>1325</u>	T-On Location	<u>19:00</u>
(B) First Initial Flow	<u>35</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>20:08</u>
(C) First Final Flow	<u>52</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>22:56</u>
(D) Initial Shut-In	<u>1420</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>02:44</u>
(E) Second Initial Flow	<u>40</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>05:23</u>
(F) Second Final Flow	<u>44</u>	<input checked="" type="checkbox"/> Mileage	<u>(150) 210</u>	Comments	
(G) Final Shut-In	<u>1423</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2362</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open	<u>30</u>	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	
Initial Shut-In	<u>60</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Final Flow	<u>45</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>0</u>
Final Shut-In	<u>90</u>	<input type="checkbox"/> Day Standby		Total	<u>1860</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1860</u>		

Approved By [Signature] Our Representative [Signature]

TriLOBITE TESTING Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





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## Test Ticket

NO. 45762

Well Name & No. Riegel 1-9 Test No. 3 Date 02/29/12  
 Company Vincent oil corporation Elevation 2494 KB 2481 GL  
 Address 155 N. Market Ste 700 Wichita, KS 67202  
 Co. Rep / Geo. Jim Hall Rig Duke 9  
 Location: Sec. 9 Twp. 28S Rge. 23W Co. Ford State \_\_\_\_\_

Interval Tested 4981 - 5105 Zone Tested Morrow  
 Anchor Length 124 Drill Pipe Run 4786 Mud Wt. 9.1  
 Top Packer Depth 4976 Drill Collars Run 184 Vis 52  
 Bottom Packer Depth 4981 Wt. Pipe Run 0 WL 9.6  
 Total Depth 5105 Chlorides 10,500 ppm System LCM 3#

Blow Description IF: Strong Blow, BOB in 3 minutes

ISI: Blow Back Built to 4 inches

FF: Strong Blow, BOB Immediate

FSI: 1 inch Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>4216</u>	<u>GIP</u>				
<u>124</u>	<u>GCM</u>	<u>2</u>			<u>98</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 124 BHT 112 Gravity ✓/C API RW NK @ NK °F Chlorides NK ppm

(A) Initial Hydrostatic	<u>2583</u>	<input checked="" type="checkbox"/> Test	<u>1325</u>	T-On Location	<u>16:15</u>
(B) First Initial Flow	<u>78</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>16:39</u>
(C) First Final Flow	<u>56</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>18:54</u>
(D) Initial Shut-In	<u>283</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>22:39</u>
(E) Second Initial Flow	<u>52</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>01:49</u>
(F) Second Final Flow	<u>66</u>	<input checked="" type="checkbox"/> Mileage	<u>210</u> <u>(1500)</u>	Comments	
(G) Final Shut-In	<u>1229</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2332</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open	<u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In	<u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow	<u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1860</u>
Final Shut-In	<u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
Sub Total	<u>1860</u>		

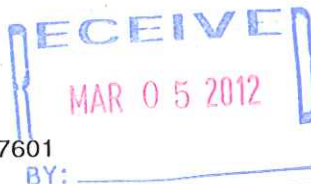
Approved By Jim Hall Our Representative [Signature]  
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**Test Ticket**

**NO. 45763**

Well Name & No. Riegel 1-9 Test No. 4 Date 03/01/12  
 Company Vincent Oil Corporation Elevation 2494 KB 2481 GL  
 Address 155 N. Market Ste 700 Wichita, KS 67202  
 Co. Rep / Geo. Jim Hall Rig Duke 9  
 Location: Sec. 9 Twp. 28S Rge. 23W Co. Ford State KS

Interval Tested 5103 - 5126 Zone Tested Mississippi  
 Anchor Length 23 Drill Pipe Run 4912 Mud Wt. 9.0  
 Top Packer Depth 5098 Drill Collars Run 184 Vis 49  
 Bottom Packer Depth 5103 Wt. Pipe Run 0 WL 8.8  
 Total Depth 5126 Chlorides 11800 ppm System LCM 3 1/2

Blow Description IF: strong blow, 130B in 10 seconds, GTS in 3 minutes, Gunged Gas + Caught + Sample  
ISI: would not bleed off  
FF: BOB + GTS Immediate, Caught sample + Gunged Gas  
FSI: would not bleed off

Rec	Feet of	%gas	%oil	%water	%mud
<u>4956</u>	<u>GIP</u>				
<u>16</u>	<u>60 WCM</u>	<u>5%</u>	<u>5%</u>	<u>42%</u>	<u>48%</u>
<u>124</u>	<u>MCW</u>		<u>70%</u>		<u>30%</u>
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud

Rec Total 140 BHT 113° Gravity N/C API RW .15 @ 55° F Chlorides 65000 ppm

(A) Initial Hydrostatic	<u>2584</u>	<input checked="" type="checkbox"/> Test	<u>1325</u>	T-On Location	<u>11:15</u>
(B) First Initial Flow	<u>596</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>11:27</u>
(C) First Final Flow	<u>824</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>13:41</u>
(D) Initial Shut-In	<u>1558</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>17:12</u>
(E) Second Initial Flow	<u>701</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>19:21</u>
(F) Second Final Flow	<u>847</u>	<input checked="" type="checkbox"/> Mileage	<u>(150) 210</u>	Comments	
(G) Final Shut-In	<u>1545</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2399</u>	<input type="checkbox"/> Straddle			

Initial Open	<u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In	<u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow	<u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>(0)</u>
Final Shut-In	<u>90</u>	<input type="checkbox"/> Day Standby	Total <u>1860</u>
		<input type="checkbox"/> Accessibility	MP/DST Disc't
		Sub Total <u>1860</u>	

Approved By Jim Hall Our Representative [Signature]  
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P.O. Box 1733 • Hays, Kansas 67601

## Gas Volume Report

Operator

Well Name and No.

DST No.

Remarks:



# LITHOLOGY STRIP LOG

## WellSight Systems

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

Measured Depth Log

Well Name: VINCENT OIL CORP. RIEGEL #1-9

Location: SW NW NW NW SEC. 9, T28S, R23W, FORD CO. KANSAS

License Number: 15-057-20786-00-00

Region: WILDCAT

Spud Date: 2/20/12

Drilling Completed: 3/2/12

Surface Coordinates: 350' FNL, 230' FWL

### Bottom Hole Coordinates:

Ground Elevation (ft): 2,481'

K.B. Elevation (ft): 2,494'

Logged Interval (ft): 4,100

To: 5,400'

Total Depth (ft): 5,400'

Formation: RTD IN; MISSISSIPPI AGE ROCKS

Type of Drilling Fluid: Native Mud to 3,802'. Chem. Gel. to RTD 5,400'.

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

### 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), & Tom Dudgeon

Company: Black Gold Petroleum

Address: 5530 N. Sedgwick

Wichita, Kansas 67204-1828

(316) 838-2574, (316)-217-1223



## Comments

Drilling contractor: Duke Drilling, Rig #9, Pusher: Emidgio Jojas, Spud 2-20-12. RTD 5,400'.  
Surface Casing: 8 5/8" set at 608' w/320sx, cement did circulated.  
Production Casing: 5 1/2".  
Deviation Surveys: 0.5 @ 612', 0.75 @ 1,629', 1.0 @ 2,635', 1.0 @ 3,612', 0.75 @ 4,417', 0.75 @ 4,942', 1 @ 5,400'.

### Bit Record:

#1 12 1/4" out @ 612'.

#2 7 7/8" Smith F271Y in @ 612', out @ 5,400', made 4,788' in 136.5 hrs.

Drilling time commenced: @ 4,100'. Minimum 10' wet and dry samples commenced: @ 4,150' to 5,400'. Samples delivered to Kansas Geological Sample Library at Wichita, Kansas.

Gas Detector: MBC Well Logging, unit # 8. 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 @ 3,802', Mud Engineer Justin Whiting.

DST CO. Trilobite, Tester: Leal (Pratt Office).

OH Logs: Superior Well Services (Hays Kansas),

Operator: Jeff Luebbers.

DIL, CDL/CNL/PE, MEL/SON.

Note: Correlation of the OH Logs with the Rotary drilling time indicates the OH Log depths are approximately two feet deeper, therefore the Gamma Ray and Caliper curves on this geological strip log have been adjusted down hole 2 feet to correlate with the rotary drilling time depths on this geological strip log.

OH Log Formation Tops: Heebner 4,257' (-1763), Brown Lm 4,388' (-1894), Lansing 4,396' (-1902), Stark Sh 4,702' (-2208), Hushpuckney Sh 4,752' (-2258), Marmaton 4,860' (-2366), Pawnee 4,926' (-2432), Labette Sh 4,948' (-2454), Cherokee Sh 4,970' (-2478), Basal Penn 5,070' (-2576), Mississippian 5,100' (-2606).

## DSTs

DST #1 Pawnee 4,913' - 4,942' (29'); 30-60-45-90, IH 2482, IF 33-88 (fair blow built to 8.5"), ISI 1421 (no blow), FF 96-134 (fair blow built to 9.5"), FSI 1416 (no blow), FH 2375, Rec; 72' GIP, 50' OWCM (10%oil, 40%water, 50%mud), 184' MCW (95%water, 5%mud), BHT 114 F, Rwa 0.15 @ 42 F, (0.055 @ 114 F), Chl 89,000ppm, mud 5,800ppm.

DST #2 Base Penn. & Morrow, 4,965' - 5,076' (111') 30-60-45-90, IH 2562, IF 35-52 (BOB 4min), ISI 1420 (No Blow), FF 40-44 (BOB 10sec), FSI 1423 (No Blow, GTS while bleeding off). FH 2362, Rec; 4,965 ft gas in pipe, 5 ft gas cu mud (10%gas, 90%mud), BHT 115F.

DST #3 Morrow 4,981' - 5,105' (124'), 30-60-45-90, IH 2583, IF 78-56 (BOB 3min), ISI 283, (4" Blow), FF 52-66 (BOB immd.) FSI 1229 (1" Blow), FH 2332, Rec; 4216' GIP, 124' SGCM (2%gas, 98%mud), BHT 112.

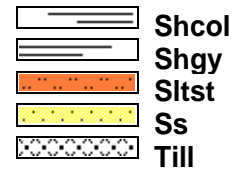
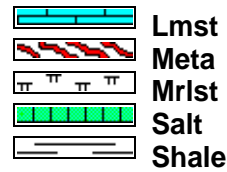
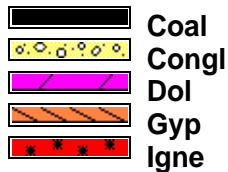
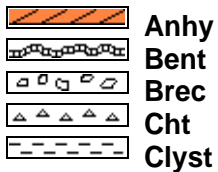
DST #4 Mississippi 5,103' - 5,126' (23'), 30-60-30-90, IH 2584, IF 596-824 (BOB in 10sec. GTS 3min 10: 2.054mmcf, 20: 4.443mmcf, 30: 6.005mmcf), ISI 1558 (would no bleed off), FF 701-847 (BOB & GTS immd. 10: 8.466mmcf, 20: 11.628mmcf, 30: 12.203mmcf), FSI 1545 (would not bleed off), FH 2399, Rec; 4,956' GIP, 16' GOWCM (5%gas, 5%oil, 42%water, 48%mud), 124' MCW (70%water, 30%mud), BHT 113F, Rwa 0.15 @ 55F (0.73 @ 113F), Chl 65,000ppm, Chl Mud 11,800ppm.



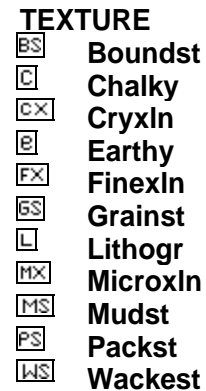
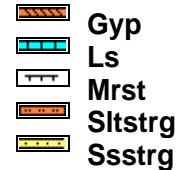
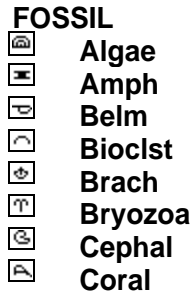
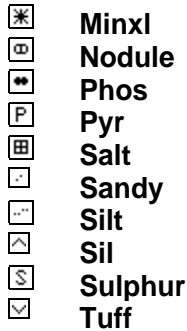
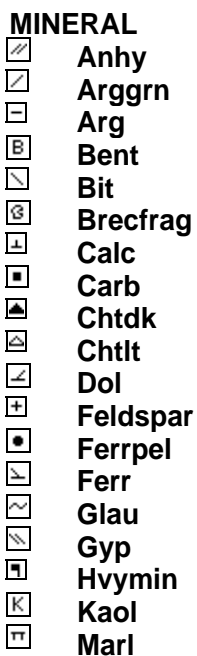
## Classification

**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.

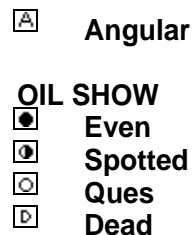
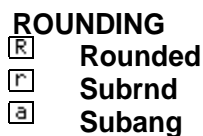
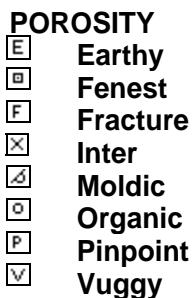
## ROCK TYPES



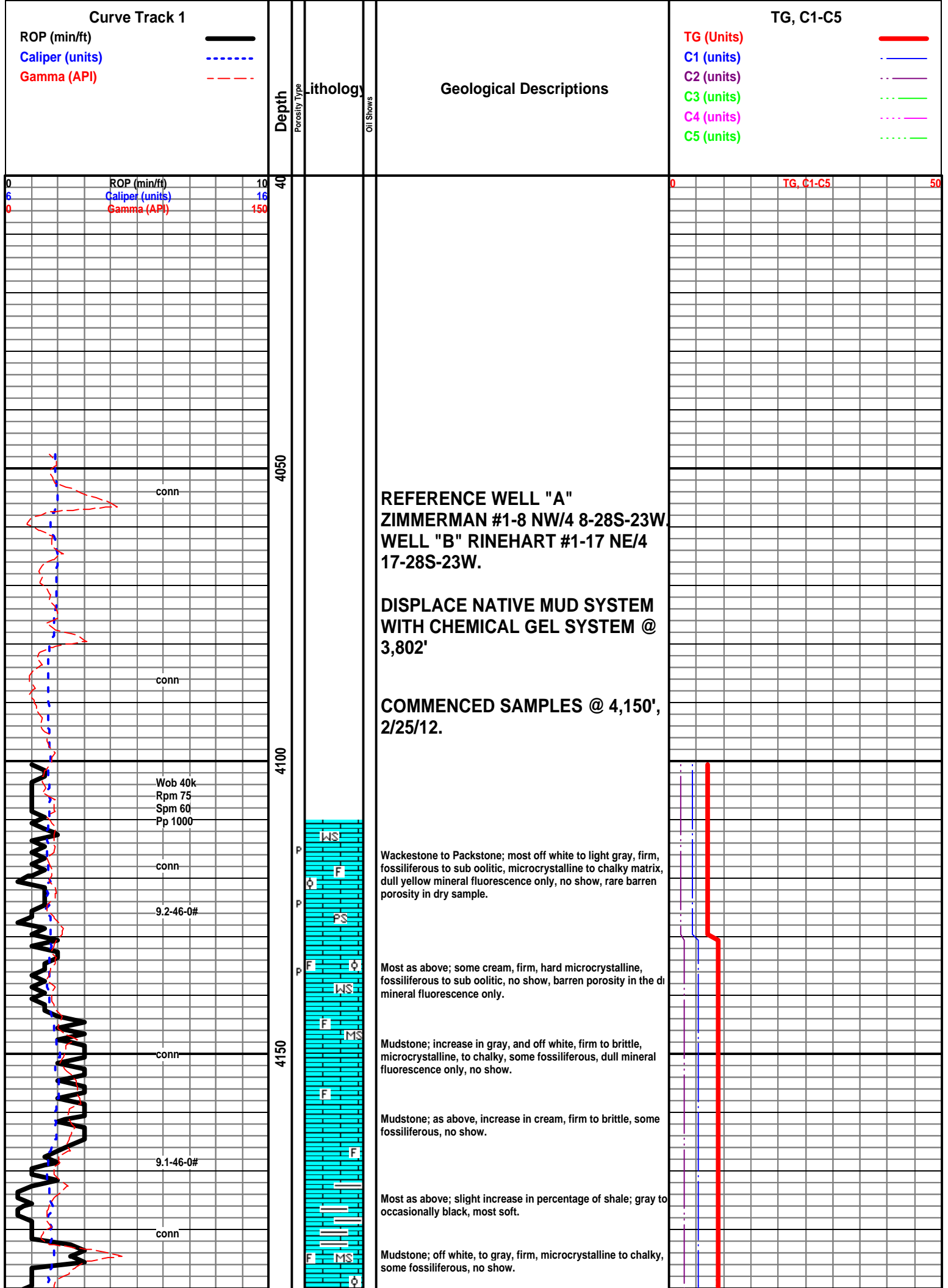
## ACCESSORIES



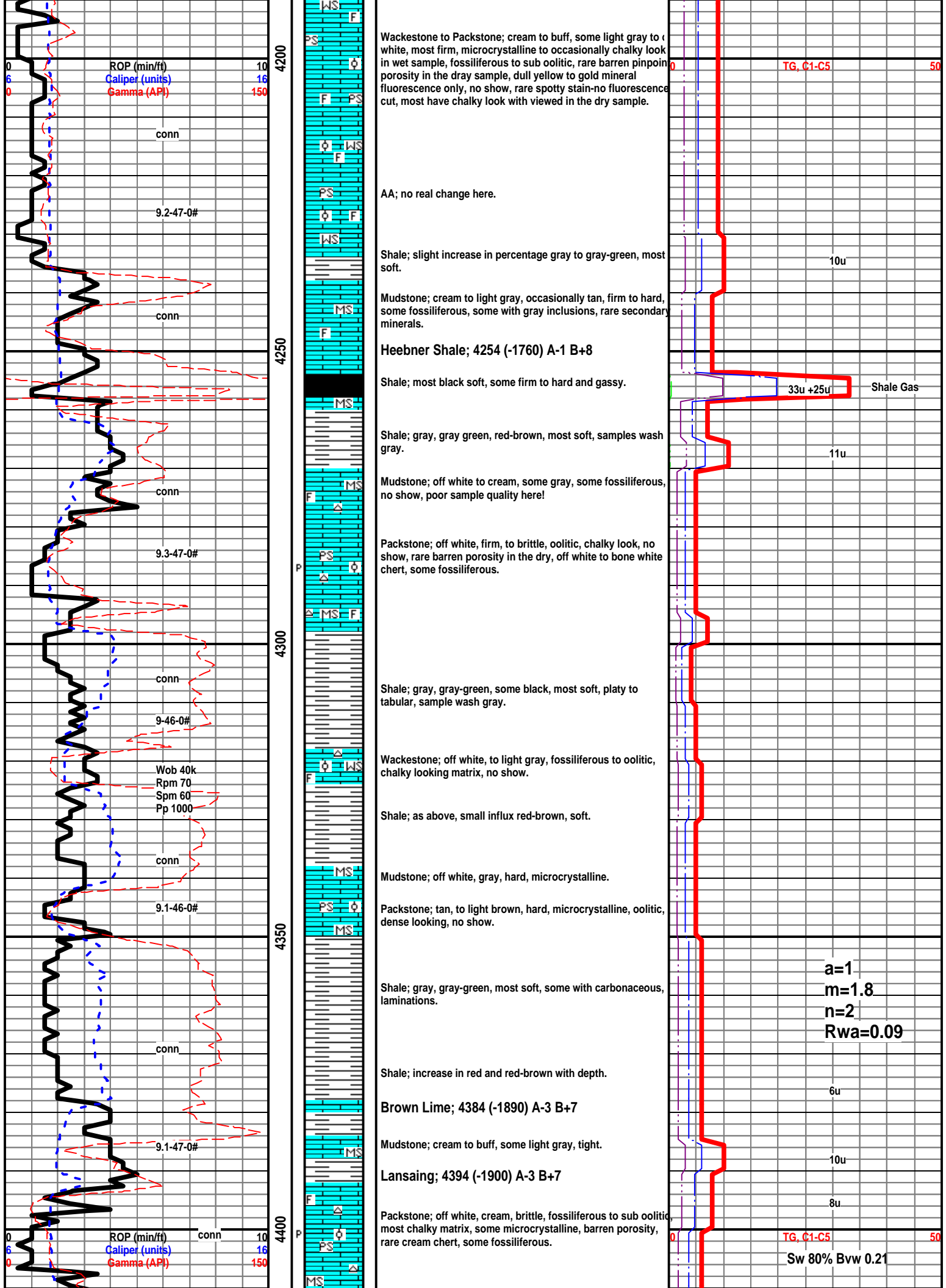
## OTHER SYMBOLS



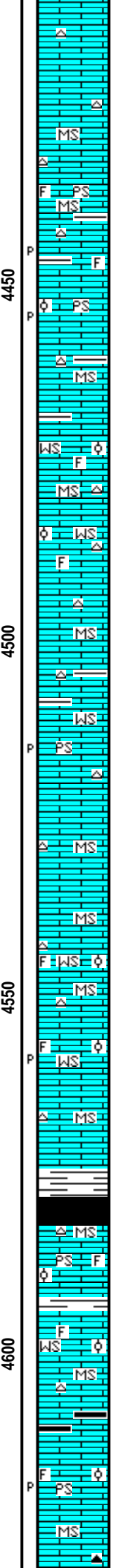
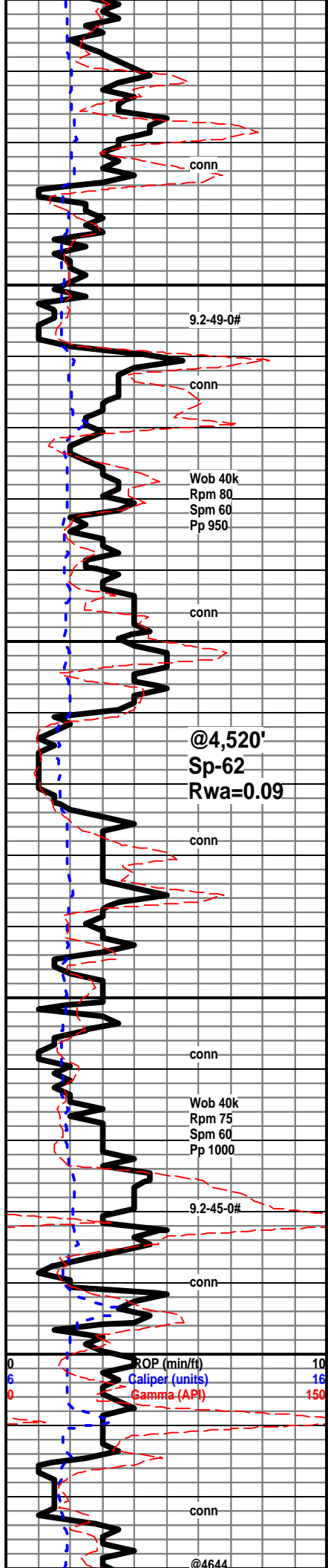












Mudstone; off white, cream, firm to hard, chalky to microcrystalline.

AA; scattered off white free chert.

Packstone; off white, hard, fossiliferous, microcrystalline, dense looking matrix in wet.

Mudstone; tan, gray, hard, microcrystalline to chalky, some fossiliferous, no show.

Packstone; off white, light gray, some cream, hard, fossiliferous to oolitic, microcrystalline-dense looking in the wet sample, scattered barren porosity in the dry, no show.

Mudstone; most off white, hard to brittle, microcrystalline to chalky, scattered shale as above here.

Mudstone; as above, scattered wackestone; fossiliferous to sub oolitic, tight looking in the wet sample, no show.

AA; scattered free chert, rare fossiliferous chert, no show here still shale in samples as above-cave?

Mudstone; influx gray, microcrystalline to very fine crystalline look, brittle, scattered off white to cream fresh chert.

AA; slight increase in % of shale.

**Porosity Marker; 4510 (-2016) A-3 B-2**

Wackestone / Packstone; off white, cream, brittle, to hard, most microcrystalline matrix, looks tight in wet, rare barren porosity in the dry sample, dull mineral fluorescence only, abundant free with to rare smoky gray chert.

Mudstone; off white, cream, occasionally gray, cherty as above.

Mudstone; most as above, some buff to light gray.

Wackestone; cream, off white, light gray, fossiliferous to slightly oolitic, no show.

Wackestone; as above, some with arenaceous look, some oolitic, dull yellow to bluish mineral fluorescence, no show.

Samples; 40 percent shale.

Mudstone; cream to tan, hard, free chert as above, microcrystalline to chalky texture.

Shale; increase in gray to gray green shales, samples wash heavy gray!

Shale; black carbonaceous, gassy.

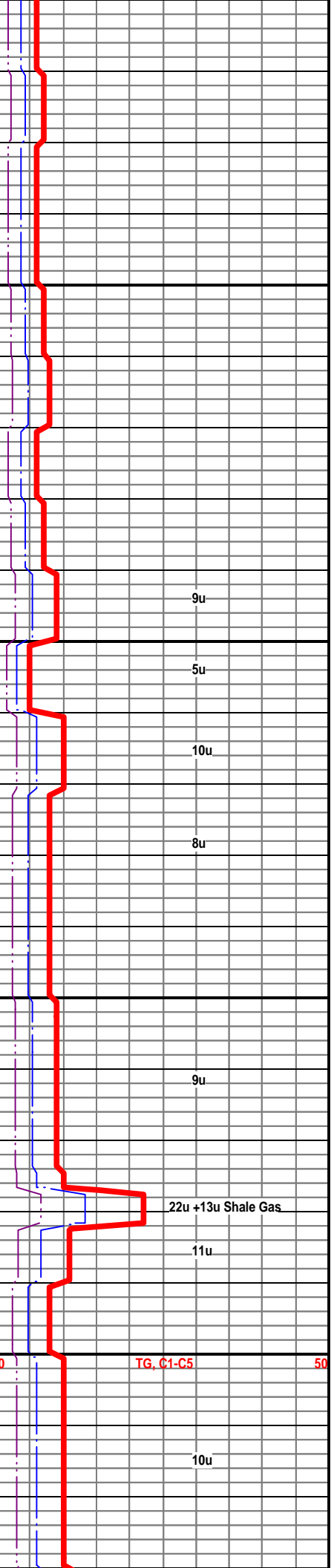
Packstone; very small influx off white to cream, oolitic, no show.

Wackestone; cream to off white, hard to firm, most microcrystalline matrix, fossiliferous to oolitic, no show.

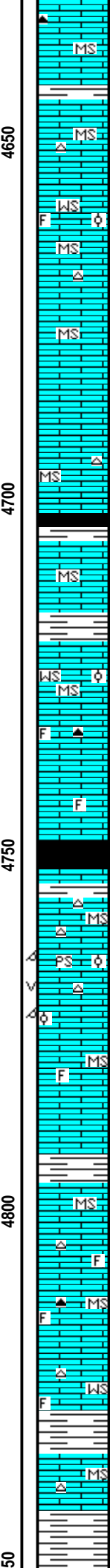
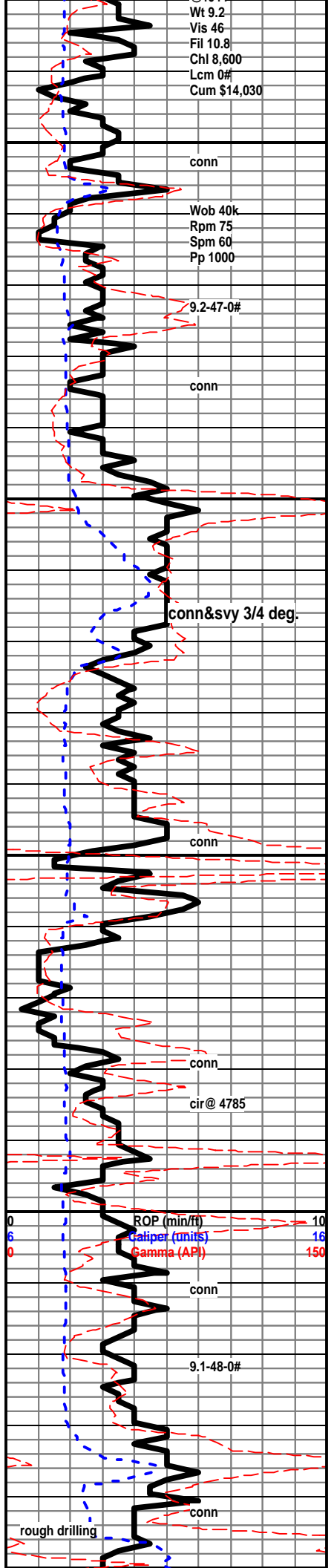
Mudstone; light gray, buff, hard, microcrystalline, free opaque to light gray chert, some fossiliferous.

Packstone; most cream in color, some off white-chalky, cream-microcrystalline look, fossiliferous to oolitic, no show, very dull mineral fluorescence only.

Mudstone; cream to off white, microcrystalline to chalky, abundant light brown fresh sharp chert, some fossiliferous







Shale; influx green-waxy shale here.

Mudstone; cream, tan, to off white, microcrystalline to chalky, free opaque to smoky gray chert-some fossiliferous, dull yell mineral fluorescence.

Wackestone; cream to off white, fossiliferous to oolitic, tight looking matrix in the wet, less mineral fluorescence here.

Mudstone; cream to buff, microcrystalline, brittle, off white chalky, light gray chert, scattered wormy dark stain-no cut.

Mudstone; most as above, rare secondary minerals on edge of sample, some silky-dense crystalline here, very dull mineral fluorescence with depth, no show.

Mudstone; cream to off white, hard to firm, microcrystalline to chalky, rare smoky gray chert here.

**Stark Shale; 4702 (-2208) A+2 B+13**

Shale; small influx, dark gray to black shales, no gas bubbles.

Mudstone; as above, more shale in sample here.

Shale; large increase in percentage in this sample, cave?

Wackestone; cream to off white, brittle, soft chalky, firm to hard microcrystalline,

Mudstone; influx, brown to light gray, hard to firm, most microcrystalline, some fossiliferous, rare free fresh block black chert, here.

**Hush. Shale; 4749 (-2255) A even B+10**

Shale; influx, black carbonaceous, gassy when broken!

Mudstone; cream to off white, brittle, some fossiliferous, free light chert here.

Packstone; off white, occasionally cream, firm to friable, microcrystalline to chalky matrix, oolitic to oomoldic, rare small vuggy porosity, very dull mineral fluorescence only, no show in wet, no odor, no cut on selected samples.

Mudstone; tan, cream to some buff, fossiliferous, some wackestone, no show, tight looking matrix in the wet sample.

Shale; small increase in % gray to green.

Mudstone; gray, tan, hard to brittle, most microcrystalline, some fossiliferous, rare brown free fresh chert here.

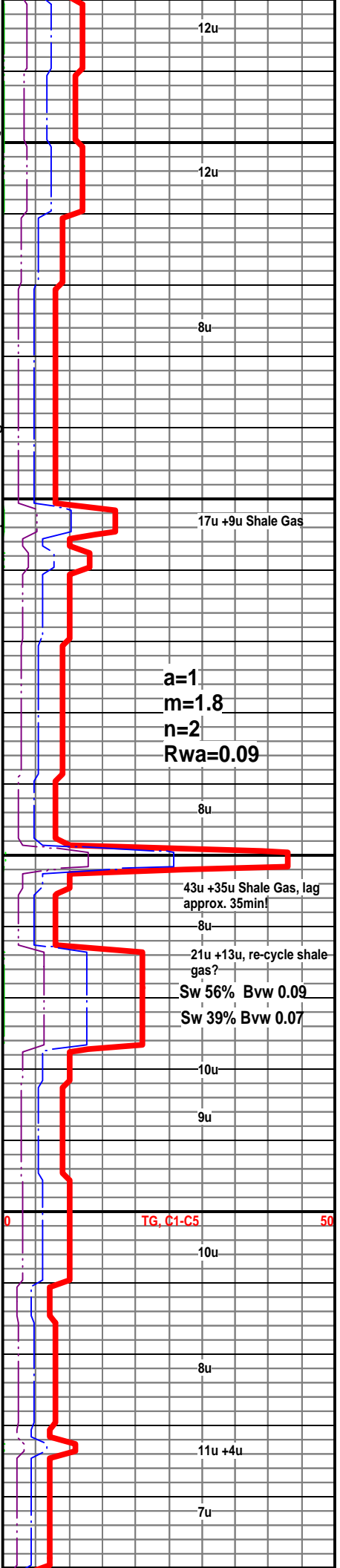
Mudstone; cream to buff, hard, some with gray inclusions, tight, some fossiliferous wackestone, some black and dark brown free chert.

Wackestone; brown to gray, fossiliferous, hard, dense.

Shale; slight increase in % of very colored shales.

Mudstone; gray microcrystalline to very fine crystalline look, off white, chalky, rare white fresh chert.

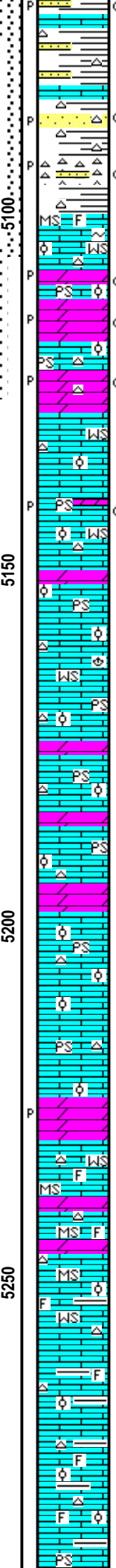
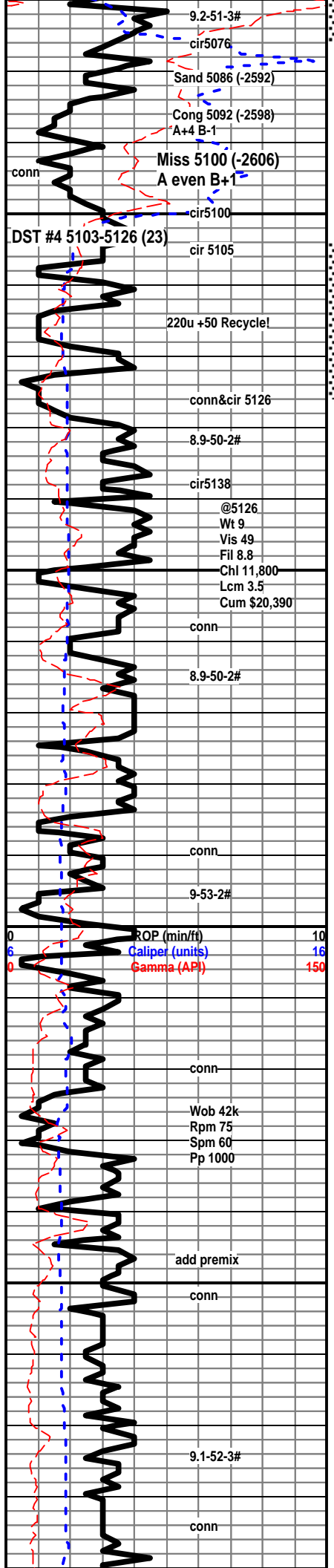
Shale; gray, green, red, most soft, some with carbonaceous looking laminations, sample wash heavy gray.











shales, and traces ultra fine sand, very well sorted, consolidated, most look tight, with even to spotty brown stain instant cut, rare with clean and barren look.

Very colored shales; samples wash red.

Sandstone; white, to bone white, cons, to wellcons, fg to crsg bleeding oil and gas, rare free oil in tray, no odor, rare quartzite look.

Sand as above, increase in Chert, some bone white-weathered, spotty light brown stain-instant cut, no visible oil, no free oil, spotty very small porosity no odor, some look barren.

Mudstone; cream to off white, some sub oolitic mackestone, soft, chalky to microcrystalline, rare tan - buff, oolitic rare galuconitic, rare dolomitic limestone, no new show, sample quality poor! Chert from above, some with free light brown oil and odor when broken, some bleeding oil, some oolitic chert with show.

Dolomite;(5114-18) buff to light gray, brittle, gritty to very fine sucrosic texture, visible scattered porosity with bleeding gas, rainbow and light brown oil, light brown oil w/broken, fair odor, milky cut slow to instant, some look barren-no show.

Dolomite; (5132-5128); buff to some off white, to light gray, gritty to sucrosic texture, brittle some hard, most barren looking and less odor, to no odor in 5138 circulated samples, odor only when broken, no new show.

Packstone and wackestone; off white, cream, some large oolites, chalky to microcrystalline matrix, no show, look barren in wet and dry, rare oolitic free chert, some very colored chert scattered old shows from above.

Packstone; as above.

Dolomite; light gray, buff, brittle to hard, gritty texture, no show.

Packstone; oolitic, chalky to microcrystalline, brittle to firm, rare smoky gray fossiliferous chert, no show.

Dolomite; light gray, hard, gritty, no show, free chert.

Packstone; cream to off white, some tan, oolitic, hard, microcrystalline, soft chalky, influx tan to gray with dark inclusions, no show.

Packstone to Wackestone; oolitic, some with dark inclusions, chalky to microcrystalline, rare oolitic chert.

Dolomite; off white to very light gray, brittle to firm, very fine sucrosic look, gritty texture, no visible show, influx abundant free chert here.

Mudstone to Wackestone; off white, to cream, fossiliferous to sub oolitic look, influx light gray chert here, no show.

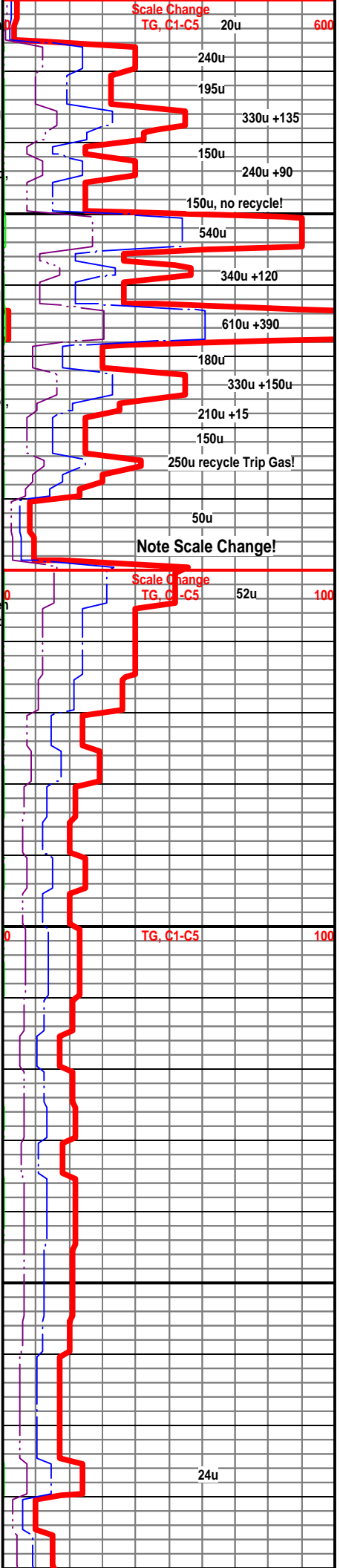
Dolomite; light gray, some salt and pepper look, hard.

Mudstone; as above , increase in dark and very colored shale here-cave? Increase in free chert, sample quality less with depth.

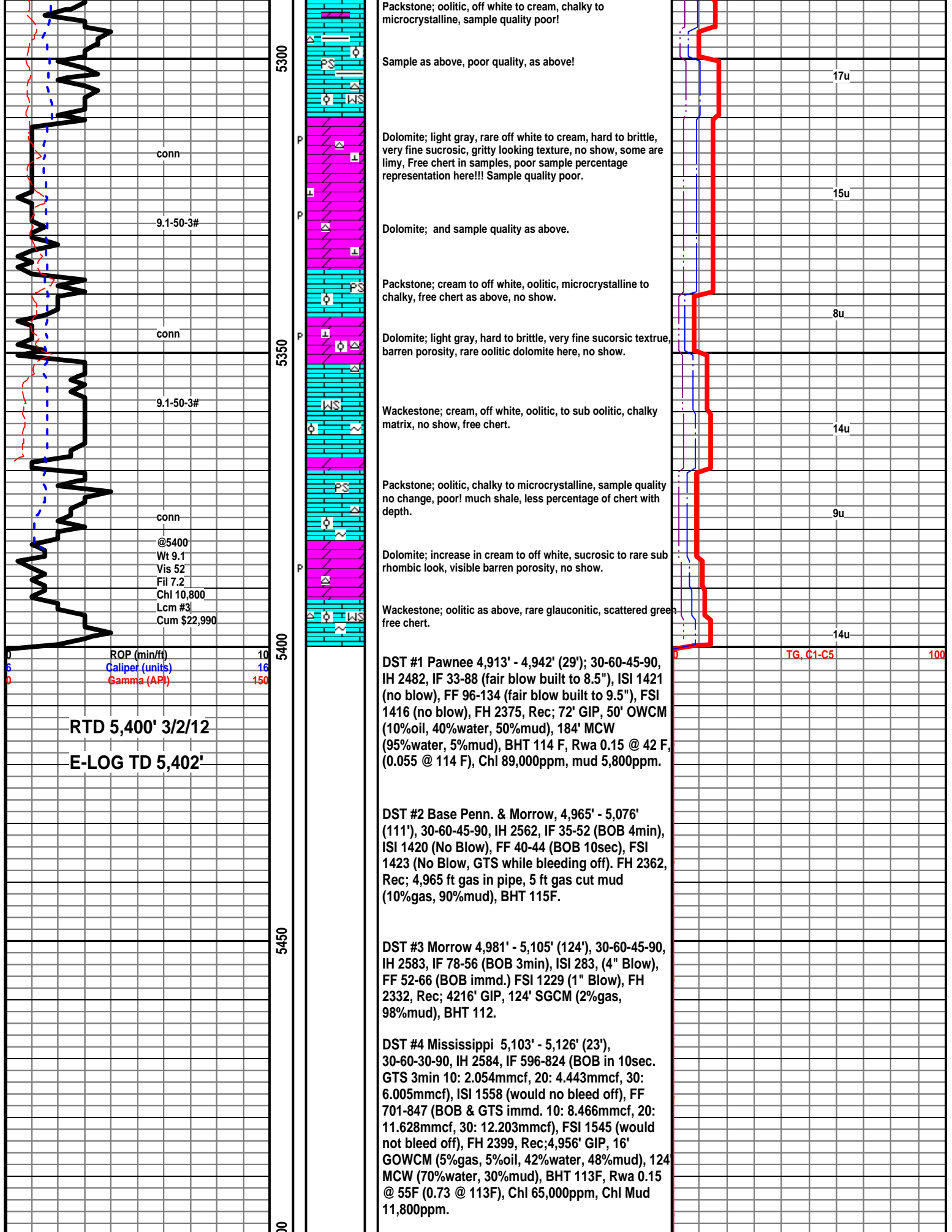
Wackestone; fossiliferous to oolitic and sub oolitic look, chalky to microcrystalline, shale as above, influx light gray blocky chert.

Wackestone; cream to off white, some tan, fossiliferous to oolitic, free chert and abundant very colored shales-Cave??

AA; sample quality poor, much Morrow section sample in tray!!!









Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



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Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 19, 2012

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

Re: ACO1  
API 15-057-20786-00-00  
Riegel 1-9  
NW/4 Sec.09-28S-23W  
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