



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report 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 and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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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> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# ALLIED OIL & GAS SERVICES, LLC 059709

Federal Tax I.D.# 20-5976804

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
*Adrian, Ledge KS*

DATE <i>12/15/12</i>	SEC. <i>33</i>	TWP. <i>32s</i>	RANGE <i>10w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Fischer</i>			WELL # <i>2</i>	LOCATION <i>Shuman Ks, Straight South 2 1/2 mi</i>		COUNTY <i>Barber</i>	STATE <i>KS</i>
OLD OR NEW (Circle one)			East <i>pat</i>				

CONTRACTOR <i>Hogel #1</i>	OWNER <i>R+B</i>	<i>1.01</i>	<i>9.3</i>
TYPE OF JOB <i>Service</i>			
HOLE SIZE <i>12 1/4</i>	T.D. <i>265</i>	CEMENT	
CASING SIZE <i>2 3/8</i>	DEPTH <i>269</i>	AMOUNT ORDERED <i>225 cu 60:40:2% 60/4</i>	
TUBING SIZE	DEPTH	<i>3% cc</i>	
DRILL PIPE	DEPTH		
TOOL	DEPTH		
PRES. MAX <i>350</i>	MINIMUM	COMMON <i>Class A</i>	
MEAS. LINE	SHOE JOINT	<i>135 cu @ 17.90 = 2416.50</i>	
CEMENT LEFT IN CSG. <i>16</i>		<i>90 cu @ 9.25 = 841.50</i>	
PERFS.		<i>4 cu @ 23.40 = 93.60</i>	
DISPLACEMENT <i>16 BM Fresh H<sub>2</sub>O</i>		<i>7 cu @ 64 = 448</i>	
EQUIPMENT		ASC	

PUMP TRUCK # <i>360/302</i>	CEMENTER <i>Jesse Thieck 1</i>
BULK TRUCK # <i>421/252</i>	HELPER <i>Ron Giley 1</i>
BULK TRUCK #	DRIVER <i>Justin Bower 2</i>
BULK TRUCK #	DRIVER

REMARKS:  
*Did not cement*

HANDLING <i>241.73 cu @ 2.48</i>	<i>599.49</i>
MILEAGE <i>10.15 mi @ 15</i>	<i>152.25</i>
	<i>7.60</i>
<b>TOTAL</b>	<b><i>4794.94</i></b>

DEPTH OF JOB <i>268</i>	
PUMP TRUCK CHARGE	<i>1512.25</i>
EXTRA FOOTAGE	@
MILEAGE <i>15 mi</i>	<i>@ 7.70 = 115.50</i>
MANIFOLD	@
LV <i>15 mi</i>	<i>@ 4.40 = 66</i>
	@

CHARGE TO: *R+B*

STREET \_\_\_\_\_

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

TOTAL *1693.75*

PLUG & FLOAT EQUIPMENT

<i>NA</i>	
	@
	@
	@
	@
	@

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

TOTAL \_\_\_\_\_

SALES TAX (if Any) *277.37*

TOTAL CHARGES *6488.69*

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME \_\_\_\_\_

SIGNATURE *Scott C. Hogel*

# ALLIED OIL & GAS SERVICES, LLC 059650

Federal Tax I.D.# 20-5976004

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Medicine Lodge, KS

*Fischer Cracks*

DATE <u>12-22-12</u>	SEC. <u>33</u>	TWP. <u>32S</u>	RANGE <u>10W</u>	12-21 CALLED OUT <u>9:00 pm</u>	12-21 ON LOCATION <u>11:00 pm</u>	JOB START <u>3:30 AM</u>	JOB FINISH <u>7:30 AM</u>
Fischer LEASE <u>CR954</u> WELL # <u>2</u>			LOCATION <u>Sharon ks 2 1/2 south</u>	COUNTY <u>Berhar</u>	STATE <u>Ks</u>		
OLD OR (NEW) (Circle one)			<u>ess-into</u>				

CONTRACTOR Hydra #1

TYPE OF JOB Production

HOLE SIZE 7 1/2 T.D. 5005'

CASING SIZE 5 1/2 14# DEPTH 4996'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 32'

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT 121 bbls of 2% KCL wgt.

OWNER R&B Oil & Gas Inc.

CEMENT AMOUNT ORDERED 40 SK 60:40 14% Gel  
0.4% BSNS, 1.50% CLSS H + 10% SWH  
SH Kolser

EQUIPMENT

BLIND TRUCK CEMENTER Darin F. /

# 360-302 HELPER Tyson T. /

BULK TRUCK

# 421-252 DRIVER Justin B. /

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON <u>A</u>	<u>24 SK</u>	@ <u>17.90</u>	<u>427.60</u>
POZMIX	<u>16 SK</u>	@ <u>9.35</u>	<u>149.60</u>
GEL	<u>2</u>	@ <u>23.40</u>	<u>46.80</u>
CHLORIDE		@	
ASC		@	
Class A	<u>150 SK</u>	@ <u>21.20</u>	<u>3180.00</u>
Salt	<u>75</u>	@ <u>26.35</u>	<u>1976.25</u>
Kolseal	<u>450</u>	@ <u>.98</u>	<u>441.00</u>
Clapper	<u>14 bbls</u>	@ <u>34.40</u>	<u>481.60</u>
ASF	<u>12 bbls</u>	@ <u>58.70</u>	<u>704.40</u>
		@	
		@	
		@	
HANDLING	<u>217</u>	@ <u>2.48</u>	<u>538.16</u>
MILBAGB	<u>9.59 / 15 / 2.60</u>		<u>374.22</u>
			TOTAL <u>6857.00</u>

REMARKS:

Pipe on bottom & break circulation, pump  
20 bbls KCL water, 3 bbls fresh water  
500 gals PSP, 3 bbls water, mix 1.5%  
cement for Ret hole, mix 2.5% cement  
for sequence, mix 1.50% dry cement  
shut down with pump lines release plus  
stagn displacement, lift pressure 50  
95 bbls, slow rate to 3 bbls 92-110 bbls  
bump plus 95-121 bbls 900-1100 psi  
flow 2.2 hole

CHARGE TO: R & B Oil & Gas Inc.

STREET \_\_\_\_\_

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

143.93

SERVICE

DEPTH OF JOB 4996'

PUMP TRUCK CHARGE 2765.75

EXTRA FOOTAGE @ \_\_\_\_\_

MILBAGB 15 @ 7.70 115.50

MANIFOLD Hessrent 1 @ \_\_\_\_\_ 275.00

10 15 @ 4.40 46.00

TOTAL 3222.25

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

5 1/2

PLUG & FLOAT EQUIPMENT

1- Guide Shoe @ 280.80

1- AFV Insert @ 334.62

8- Centralizers @ 57.33 458.64

10- Reciprocating Servicer @ 88.92 889.20

1- Rubber plug @ 85.41

TOTAL 2,048.67

PRINTED NAME x TIM PIERCE

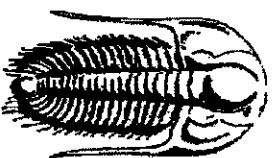
SIGNATURE x Tim Pierce

SALES TAX (if Any) 582.05

TOTAL CHARGES 12,107.92

DISCOUNT 20% 2421.57 IF PAID IN 30 DAYS  
(Net) 9686.33

Thank you!!!



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

## DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas INC**

PO Box 195  
Attica KS 67009

ATTN: Randy Newberry/Tim P

### **Fischer-Crask #2**

### **33-32-10 Barber Co**

Start Date: 2012.12.20 @ 14:47:46

End Date: 2012.12.20 @ 23:31:01

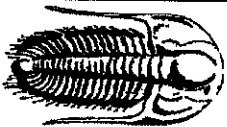
Job Ticket #: 49518      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.24 @ 11:48:28



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

**DRILL STEM TEST REPORT**

R & B Oil & Gas Inc

33-32-10 Barber Co

PO Box 195  
Attica KS 67009

**Fischer-Crask #2**

Job Ticket: 49518

**DST#-1**

ATTN: Randy Newberry/Tim P

Test Start: 2012.12.20 @ 14:47:46

**GENERAL INFORMATION:**

Formation: **Misener**  
Deviated: No Whipslock: ft (KB)  
Time Tool Opened: 17:52:01  
Time Test Ended: 23:31:01  
Interval: **4770.00 ft (KB) To 4790.00 ft (KB) (TV/D)**  
Total Depth: **4790.00 ft (KB) (TV/D)**  
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)  
Tester: Chris Staats  
Unit No: 47

Reference Elevations: 1505.00 ft (KB)  
1495.00 ft (CP)  
10.00 ft

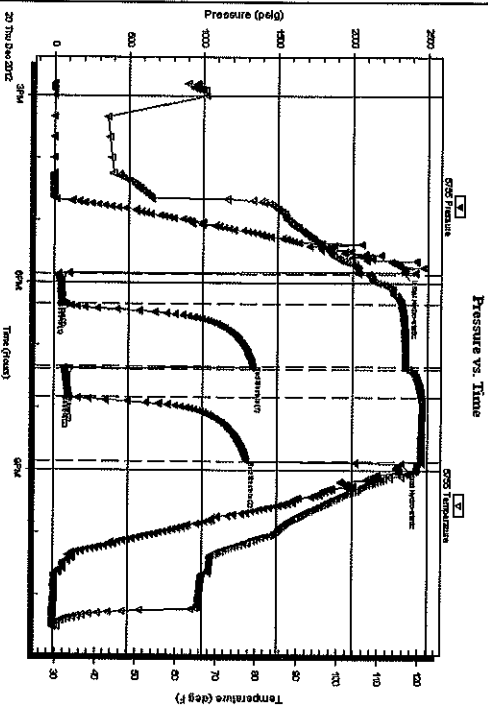
**Serial #: 6755 Outside**

Press@RunDepth: 105.32 psig @ 4771.00 ft (KB)  
Start Date: 2012.12.20 End Date:  
Start Time: 14:47:51 End Time:

Capacity: 8000.00 psig  
Last Callb.: 2012.12.20  
Time On Btm: 2012.12.20 @ 17:49:46  
Time Off Btm: 2012.12.20 @ 20:53:46

**TEST COMMENT:**

FF: Strong blow BOB 30 sec  
SI: Weak surface blow back  
FF: Strong blow BOB 11 min  
FSI: Weak blow back 2"



**PRESSURE SUMMARY**

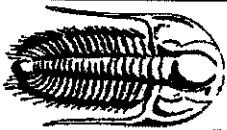
Time (Mfn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2333.89	105.01	Initial Hydro-static
3	30.11	107.66	Open To Flow (1)
31	71.94	115.79	Shut-In(1)
91	1339.09	116.82	End Shut-In(1)
93	70.36	117.37	Open To Flow (2)
121	105.32	120.71	Shut-In(2)
182	1295.77	120.70	End Shut-In(2)
184	2328.70	119.94	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	1365' GIP	0.00
60.00	M,W 10% mud 90% w ater	0.30
60.00	O,M,W 3% oil 17% mud 80% w ater	0.31
60.00	G,O,M,W 5% gas 20% oil 35% w ater 40% r0.84	
10.00	G,W,O,M 10% gas 20% w ater 35% oil 35% r0.141	

**Gas Rates**

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



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

**DRILL STEM TEST REPORT**

R & B Oil & Gas INC

PO Box 195

Atlica KS 67009

ATTN: Randy Newberry/Tim P

33-32-10 Barber Co

Fischer-Crask #2

Job Ticket: 49518

DST #: 1

Test Start: 2012.12.20 @ 14:47:46

**GENERAL INFORMATION:**

Formation: **Misener**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:52:01  
 Time Test Ended: 23:31:01  
 Interval: **4770.00 ft (KB) To 4790.00 ft (KB) (TVD)**  
 Total Depth: **4790.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88** inchesHole Condition: Fair

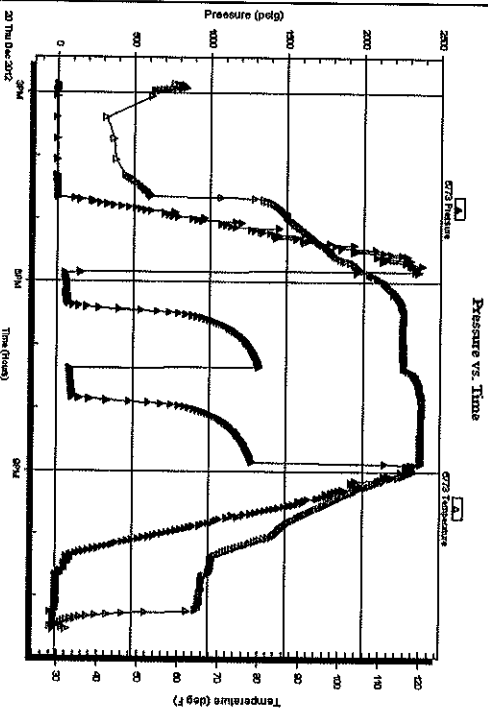
Test Type: Conventional Bottom Hole (Initial)  
 Tester: Chris Staats  
 Unit No: 47

Reference Elevations: **1505.00 ft (KB)**  
**1495.00 ft (CF)**  
 KB to GRVCF: **10.00 ft**

**Serial #: 6773** **Outside**  
 Press.@RunDepth: **psig @ 4771.00 ft (KB)**  
 Start Date: **2012.12.20** End Date: **2012.12.20**  
 Start Time: **14:51:50** End Time: **23:31:00**

Capacity: **8000.00 psig**  
 Last Callb.: **2012.12.20**  
 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** FF: Strong blow BOB 30 sec  
 IS: Weak surface blow back  
 FF: Strong blow BOB 11 min  
 FS: Weak blow back 2"



**PRESSURE SUMMARY**

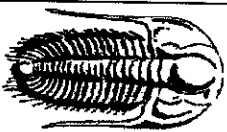
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	1365 GIP	0.00
60.00	M,W 10% mud 90% w ater	0.30
60.00	O,M,W 3% oil 17% mud 80% w ater	0.31
60.00	G,O,M,W 5% gas 20% oil 35% w ater 40% r,O.84	
10.00	G,W,O,M 10% gas 20% w ater 35% oil 35% r,O.141	

**Gas Rates**

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



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

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

R & B Oil & Gas INC

33-32-10 Barber Co

PO Box 195  
Atlica KS 67009

Fischer-Crask #2

Job Ticket: 49518

DST#: 1

ATTN: Randy Newberry/Tim P

Test Start: 2012.12.20 @ 14:47:46

**Tool Information**

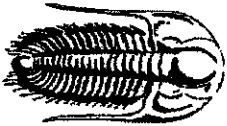
Drill Pipe:	Length: 4646.00 ft	Diameter:	3.80 inches	Volume:	65.17 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter:	2.25 inches	Volume:	0.58 bbl	Weight to Pull Loose:	78000.00 lb
				Total Volume:	65.75 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	15.00 ft					String Weight: Initial	68000.00 lb
Depth to Top Packer:	4770.00 ft					Final	68000.00 lb
Depth to Bottom Packer:	ft						
Interval between Packers:	20.00 ft						
Tool Length:	41.00 ft						

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4750.00	
Shut In Tool	5.00			4755.00	
Hydraulic tool	5.00			4760.00	
Packer	5.00			4765.00	21.00
Packer	5.00			4770.00	
Stubb	1.00			4771.00	
Recorder	0.00	6773	Outside	4771.00	
Recorder	0.00	6755	Outside	4771.00	
Perforations	16.00			4787.00	
Bullnose	3.00			4790.00	20.00
<b>Total Tool Length:</b>	<b>41.00</b>				<b>Bottom Packers &amp; Anchor</b>





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

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

R & B Oil & Gas INC  
PO Box 195  
Attica KS 67009  
ATTN: Randy Newberry/TIM P

33-32-10 Barber Co  
Fischer-Crask #2  
Job Ticket: 49518  
DST#: 1  
Test Start: 2012.12.24 @ 14:47:46

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 45.00 sec/qt  
Water Loss: 9.59 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 4000.00 ppm  
Filter Cake: 0.02 inches

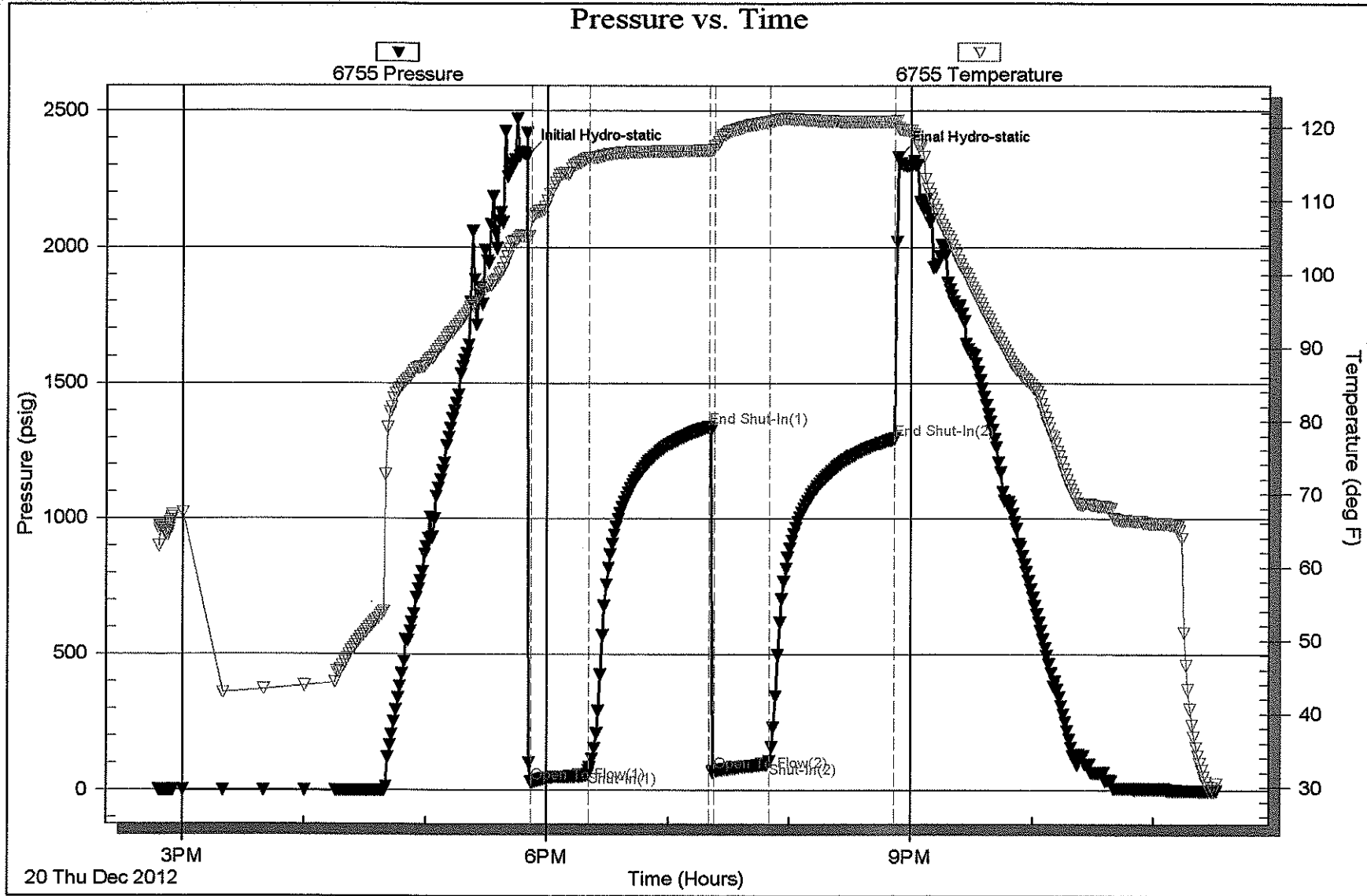
Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig  
Oil API: deg API  
Water Salinity: 125 ppm

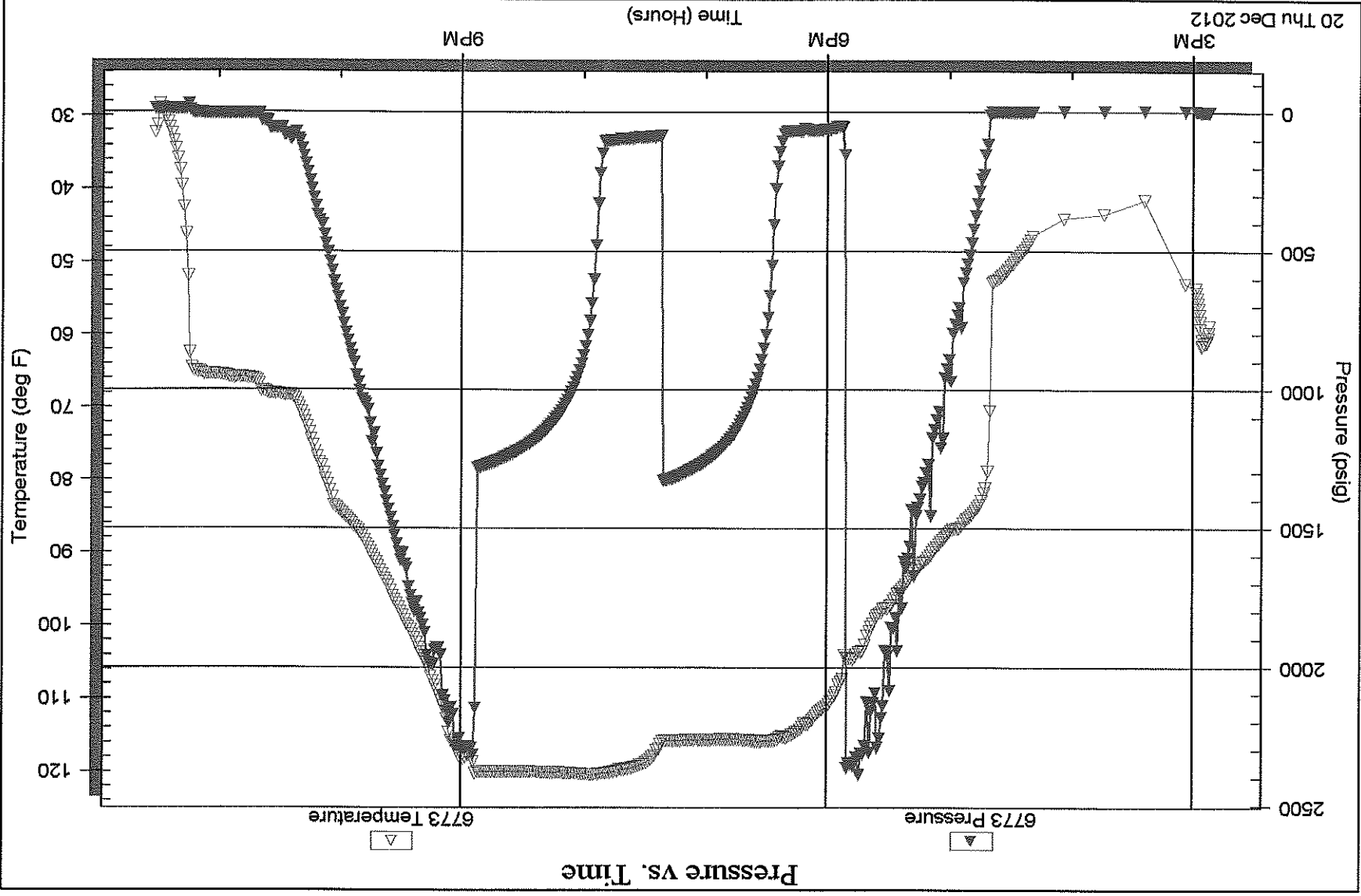
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	1365 GIP	0.000
60.00	M/W 10% mud 90% w ater	0.295
60.00	O.M.W. 3% oil 17% mud 80% w ater	0.313
60.00	G.O.M.W 5% gas 20% oil 35% w ater 40% mud	0.842
10.00	G.W.O.M 10% gas 20% w ater 35% oil 35% mu	0.140

Total Length: 190.00 ft      Total Volume: 1.590 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





# Timothy G. Pierce

## Petroleum Geologist

### GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY R & B Oil & Gas, Inc.

ELEVATIONS

LEASE Fischer-Crask #2

KB 1505'

FIELD Taffas East

DF \_\_\_\_\_

LOCATION SW NW SW

SEC 33 TWP 32S RGE 10W

GL 1495'

COUNTY Barber STATE Kansas

Measurements Are All  
From Kelly Bushing

CONTRACTOR Hardt Drilling Rig #1

CASING

SPUD 12-14-2012 COMP 12-21-2012

CONDUCTOR \_\_\_\_\_  
SURFACE 8-5/8" at 265'  
PRODUCTION 5-1/2" at 4995'

RTD 5005 (see remarks) LTD 4957

MUD UP 3131 TYPE MUD Chemical

SAMPLES SAVED FROM 4400 TO RTD

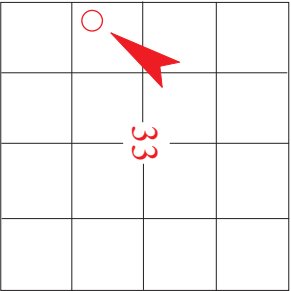
DRILLING TIME KEPT FROM 4000 TO RTD

SAMPLES EXAMINED FROM 4000 TO RTD

GEOLOGICAL SUPERVISION FROM 4120' to RTD

GEOLOGIST ON WELL Tim Pierce

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Heebner Sh.	3547 (-2042)	NA
Stark Sh.	4211 (-2706)	4211 (-2706)
Cherokee Sh.	4438 (-2933)	4437 (-2932)
Mississippi	4492 (-2987)	4485 (-2980)
Kinderhook Sh.	4690 (-3185)	4689 (-3184)
Chattanooga Sh.	4744 (-3239)	4742 (-3237)
Viola	4787 (-3282)	4785 (-3280)
Simpson	4870 (-3365)	4878 (-3373)



API # 15-007-23,976

**REMARKS** This well was logged at a rotary depth of 4960' then additional hole was drilled after logging.

DST results and electric logs indicate a possible productive zone in the Meisner Sand from 4781'- 4785'

Samples and electric logs indicate a probable productive zone in the Mississippi from 4505'- 4542'.

Electric logs indicated a possible productive zone in the Simpson at 4918'- 4924'. Additional hole was drilled to 5005' after logs were run in order to allow room for rat hole and casing so this zone could be perforated and tested.

Electric logs indicated a possible productive zone in the Swope LS at 4220'- 4224'

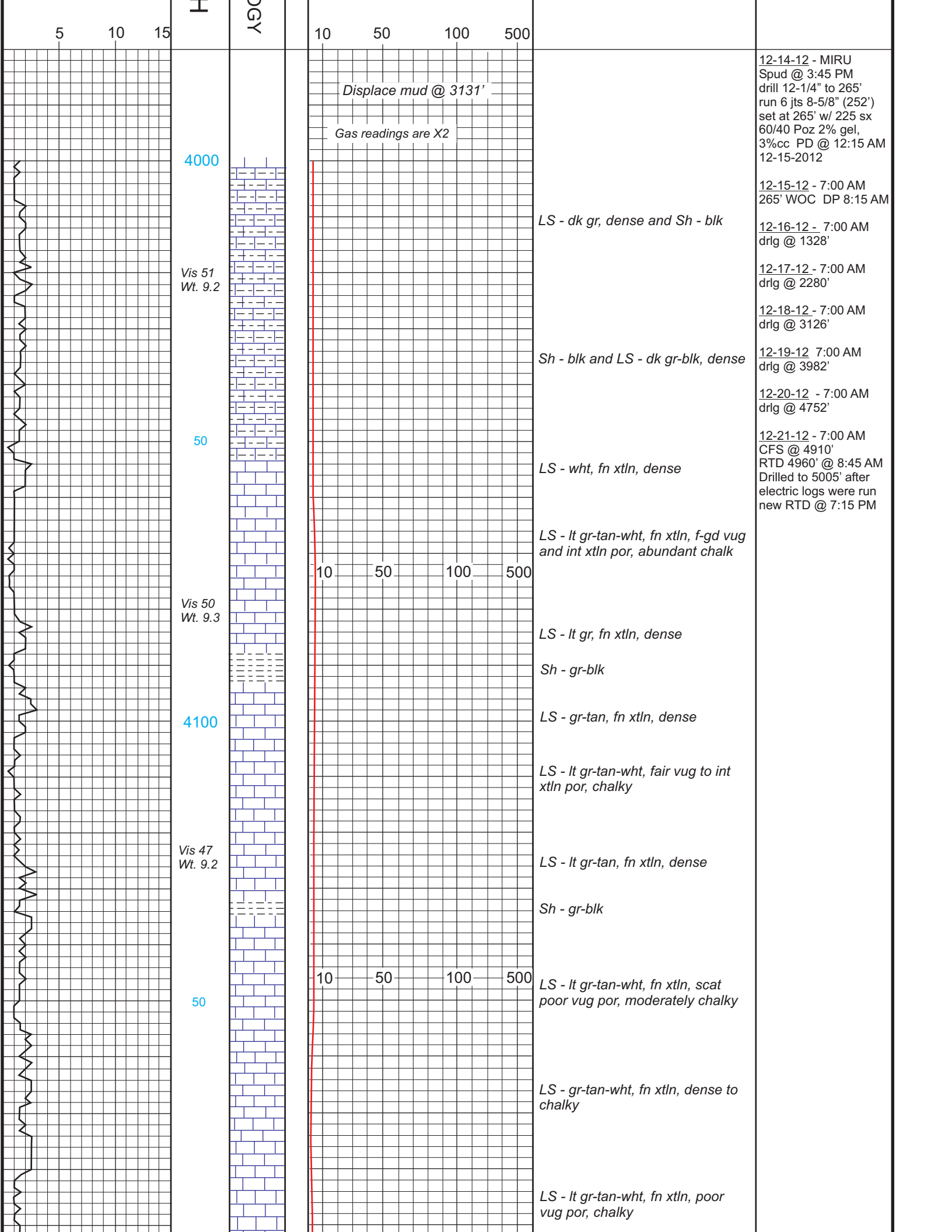
There were no other zones of interest indicated by samples or electric logs

Timothy G. Pierce

### LEGEND

Anhydrite	Sandstone	Limestone	Shale	Carb Sh	Cherty LS	Chert	Dolomite

DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases →	DEPTH	LITHOLOG	GAS SCALE	SAMPLE DESCRIPTION	REMARKS



5 10 15

H

LITHOLOGY

10 50 100 500

Displace mud @ 3131'

Gas readings are X2

4000

Vis 51  
Wt. 9.2

50

Vis 50  
Wt. 9.3

4100

Vis 47  
Wt. 9.2

50

10 50 100 500

10 50 100 500

12-14-12 - MIRU  
Spud @ 3:45 PM  
drill 12-1/4" to 265'  
run 6 jts 8-5/8" (252')  
set at 265' w/ 225 sx  
60/40 Poz 2% gel,  
3%cc PD @ 12:15 AM  
12-15-2012

12-15-12 - 7:00 AM  
265' WOC DP 8:15 AM

LS - dk gr, dense and Sh - blk

12-16-12 - 7:00 AM  
drlg @ 1328'

12-17-12 - 7:00 AM  
drlg @ 2280'

12-18-12 - 7:00 AM  
drlg @ 3126'

Sh - blk and LS - dk gr-blk, dense

12-19-12 7:00 AM  
drlg @ 3982'

12-20-12 - 7:00 AM  
drlg @ 4752'

LS - wht, fn xtln, dense

12-21-12 - 7:00 AM  
CFS @ 4910'  
RTD 4960' @ 8:45 AM  
Drilled to 5005' after  
electric logs were run  
new RTD @ 7:15 PM

LS - lt gr-tan-wht, fn xtln, f-gd vug  
and int xtln por, abundant chalk

LS - lt gr, fn xtln, dense

Sh - gr-blk

LS - gr-tan, fn xtln, dense

LS - lt gr-tan-wht, fair vug to int  
xtln por, chalky

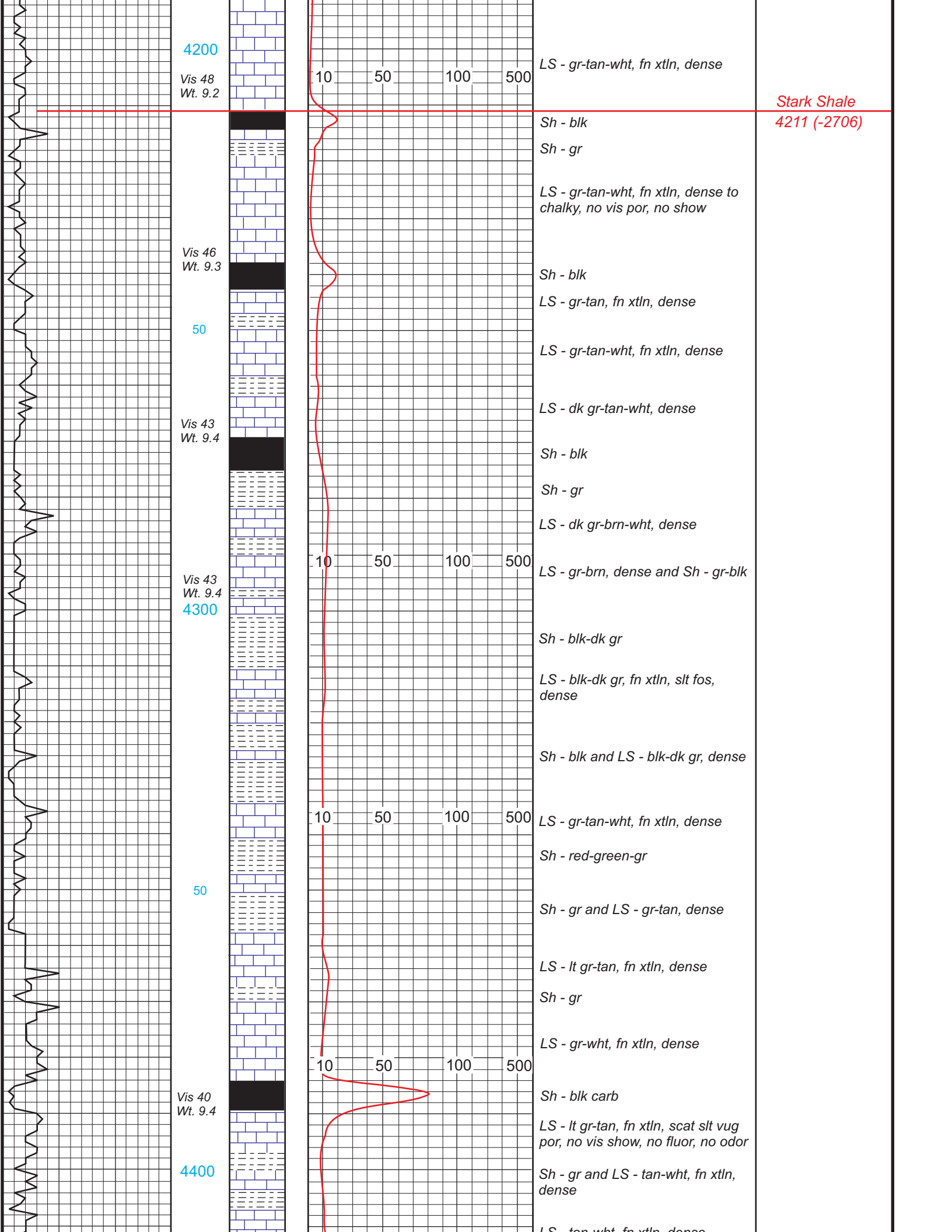
LS - lt gr-tan, fn xtln, dense

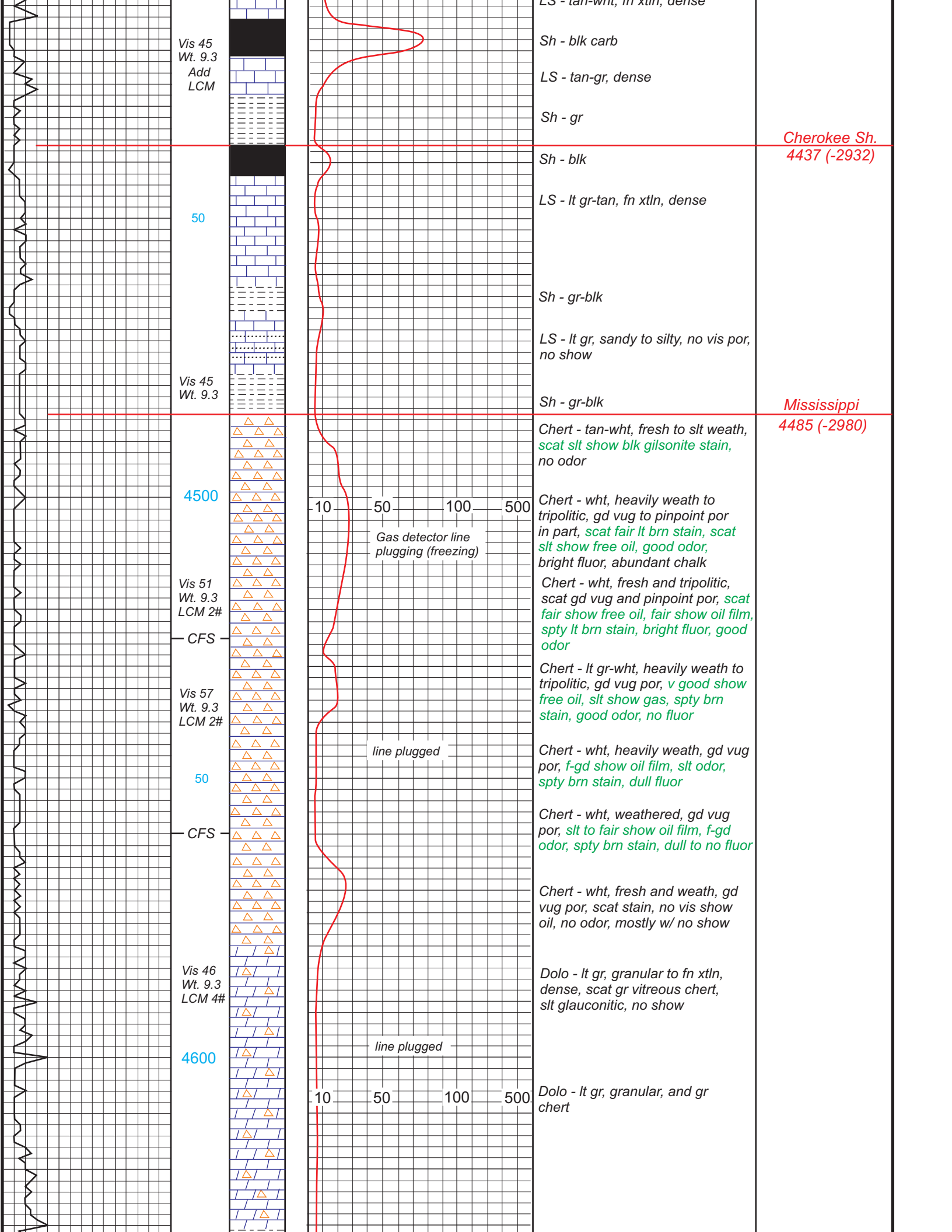
Sh - gr-blk

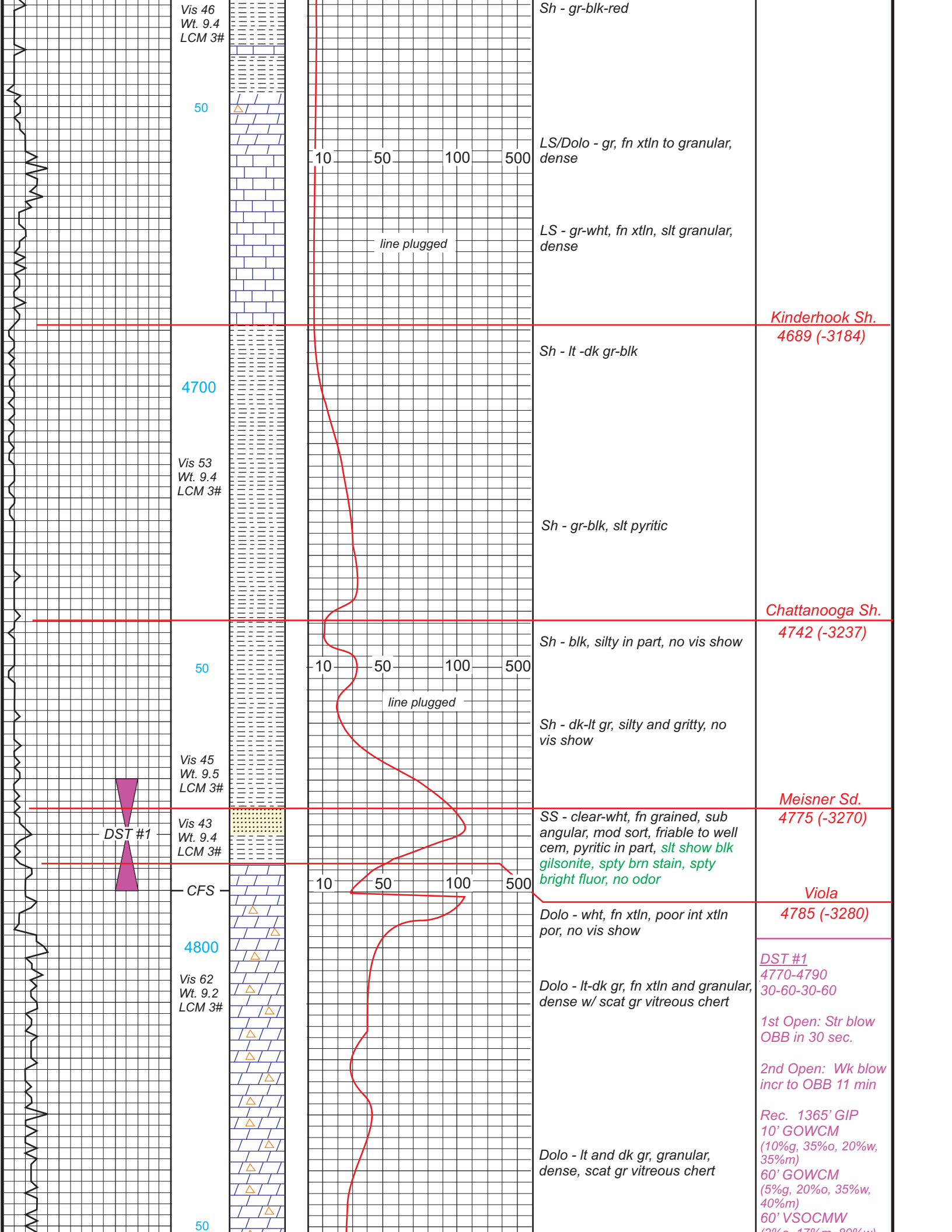
LS - lt gr-tan-wht, fn xtln, scat  
poor vug por, moderately chalky

LS - gr-tan-wht, fn xtln, dense to  
chalky

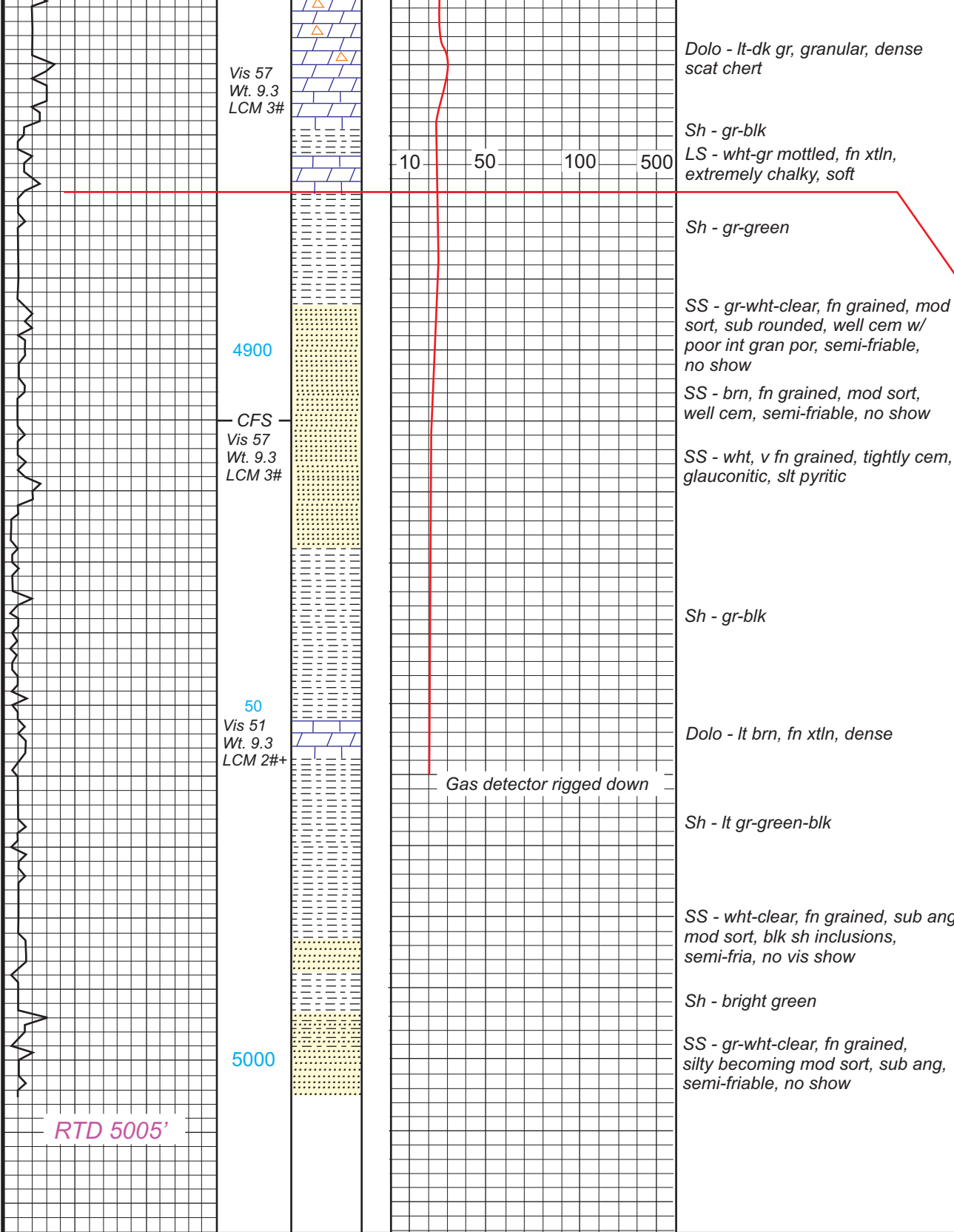
LS - lt gr-tan-wht, fn xtln, poor  
vug por, chalky







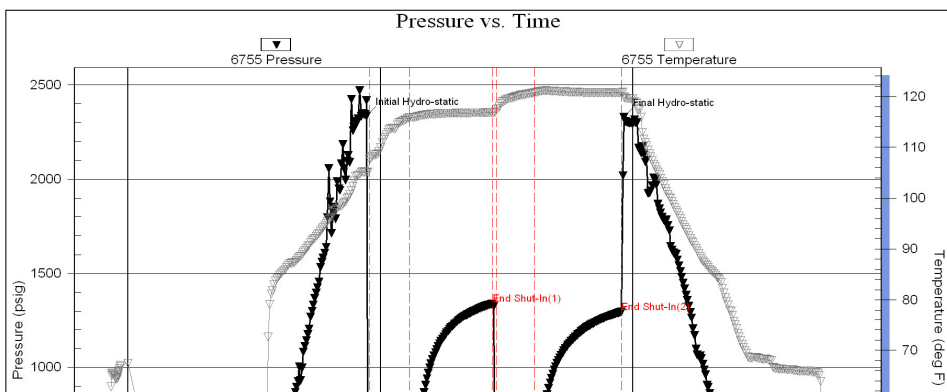




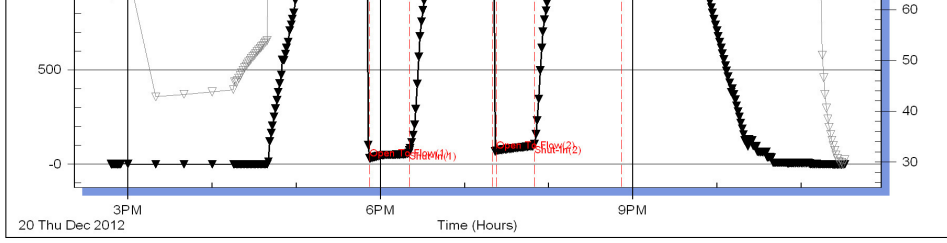
60' MW  
 (3%O, 17%III, 80%w)  
 Chlorides 125,000 PPM  
 (RW .17 @ 27 deg F)  
 IFP: 30-71#  
 FFP: 70-105#  
 SIP: 1339-1295#  
 HP: 2333-2328#  
 BHT: 125 deg

**Simpson**  
**4878 (-3373)**

Serial #: 6755    Outside    R & B Oil & Gas INC    Fischer- Crask #2    DST Test Number: 1



**DST #1**  
 4770-4790  
 30-60-30-60  
 1st Open: Str blow  
 OBB in 30 sec.  
 2nd Open: Wk blow  
 incr to OBB 11 min  
 Rec. 1365' GIP  
 10' GOWCM  
 (10%g, 35%o, 20%w,  
 35%m)  
 60' GOWCM  
 (5%g, 20%o, 35%w,  
 40%m)



70' MW  
 60' VSOCMW  
 (3%o, 17%*m*, 80%*w*)  
 60' MW  
 (10%*m*, 90%*w*)  
 Chlorides 125,000 PPM  
 (RW .17 @ 27 deg F)

IFP: 30-71#  
 FFP: 70-105#  
 SIP: 1339-1295#  
 HP: 2333-2328#  
 BHT: 125 deg

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