KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1046218

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33168
Name: Woolsey Operating Company, LLC
Address 1: 125 N MARKET STE 1000
Address 2:
City: WICHITA State: KS Zip: 67202 + 1729
Contact Person: DEAN PATTISSON
Phone: (316) 267-4379
CONTRACTOR: License # 5822
Name: Val Energy, Inc.
Wellsite Geologist: Scott Alberg
Purchaser: AMERICAN PIPELINE / PLAINS MARKETING

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [ ] D&A
- [ ] ENHR
- [ ] SIGW
- [x] 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 #:

07/01/2010	07/11/2010	09/13/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-23561-00-00
Spot Description:
S2 - NW - NW - NW Sec. 34 Twp. 34 S. R. 11 [ ] East [x] West
400 Feet from [x] North / [ ] South Line of Section
330 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [x] NW [ ] SE [ ] SW
County: Barber
Lease Name: MOTT A Well #: 1
Field Name:
Producing Formation: MISSISSIPPIAN
Elevation: Ground: 1355 Kelly Bushing: 1367
Total Depth: 5346 Plug Back Total Depth: 5091
Amount of Surface Pipe Set and Cemented at: 214 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 25000 ppm Fluid volume: 1800 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: WOOLSEY OPERATING COMPANY LLC
Lease Name: SWARTZ 2 SWD License #: 33168
Quarter NE Sec. 1 Twp. 34 S. R. 11 [ ] East [x] West
County: BARBER Permit #: D-30567

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

- [x] **Letter of Confidentiality Received**
  Date: 10/29/2010
- [x] **Confidential Release Date:** 10/28/2012
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] **I** [ ] **II** [ ] **III** **Approved by:** NAOMI JAMES **Date:** 11/02/2010

Side Two

1046218

Operator Name: Woolsey Operating Company, LLC Lease Name: MOTT A Well #: 1

Sec. 34 Twp. 34 S. R. 11 ☐ East ☑ West County: Barber

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Log
Compensated Density Neutron PE
Dual Induction
Sonic

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
CHASE	1817	-450
HEEBNER	3689	-2322
DOUGLAS	3726	-2359
HERTHA	4451	-3084
MISSISSIPPIAN	4698	-3331
VIOLA	5014	-3647
SIMPSON	5147	-3780

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	14.75	10.75	32	220	CLASS A		2% gel, 3% cc
PRODUCTION	7.785	4.5	11	5154	POZMIX	50	4% gel, 1/4# Celoflake
					CLASS H	175	10% salt, 10% Gypseal, 6# Kolseal, 1/4

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

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
4	4700-4708, 4711-4750	367,700 gal treated 2% KCl water, 133,500# 30/70 sand,	4700-4776 OA
2	4754-4776	25,000# 16/30 sand & 12,000# 16/30 resin coated sand	

TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
2.375	4831	N/A	☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR.

Producing Method:
☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

DRILL STEM TEST REPORT

Woolsey Operating Co.LLC

125 N.Market ,Ste.1000
Wichita Ks.67202

ATTN: Scott Alberg

Mott A#1

34-34s-11w Barber Ks

Job Ticket: 039233 **DST#: 1**

Test Start: 2010.07.09 @ 03:29:36

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:23:06
Time Test Ended: 12:12:06

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 39

Interval: 4604.00 ft (KB) To 4740.00 ft (KB) (TVD)
Total Depth: 4740.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

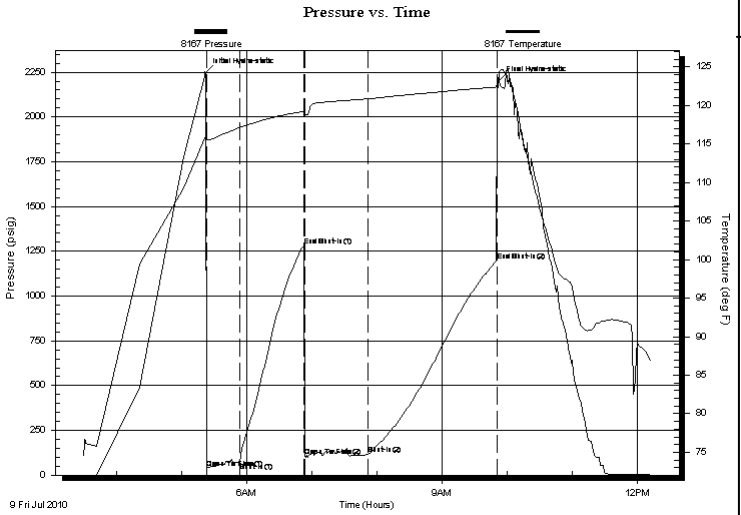
Reference Elevations: 1367.00 ft (KB)
1357.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8167 **Inside**

Press@RunDepth: 114.33 psig @ 4605.00 ft (KB)
Start Date: 2010.07.09 End Date: 2010.07.09
Start Time: 03:29:41 End Time: 12:12:06

Capacity: 8000.00 psig
Last Calib.: 2010.07.09
Time On Btm: 2010.07.09 @ 05:21:51
Time Off Btm: 2010.07.09 @ 09:52:21

TEST COMMENT: IF:Strong blow . B.O.B. in 7 mins.
ISI:No blow .
FF:Strong blow . B.O.B. in 6 - 10 secs.
FSI:Weak blow . 1/4". Dead in 30 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2245.87	116.06	Initial Hydro-static
2	38.34	115.56	Open To Flow (1)
32	73.63	117.14	Shut-In(1)
91	1280.17	119.21	End Shut-In(1)
92	104.09	118.90	Open To Flow (2)
150	114.33	120.85	Shut-In(2)
269	1196.41	122.38	End Shut-In(2)
271	2201.64	124.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOCM 3%o 97%m	0.30
165.00	Mud w / few o specs	1.25
0.00	1070 ft.of GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co.LLC

125 N.Market ,Ste.1000
Wichita Ks.67202

ATTN: Scott Alberg

Mott A#1

34-34s-11w Barber Ks

Job Ticket: 039233 **DST#: 1**

Test Start: 2010.07.09 @ 03:29:36

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	4000 ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.19 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

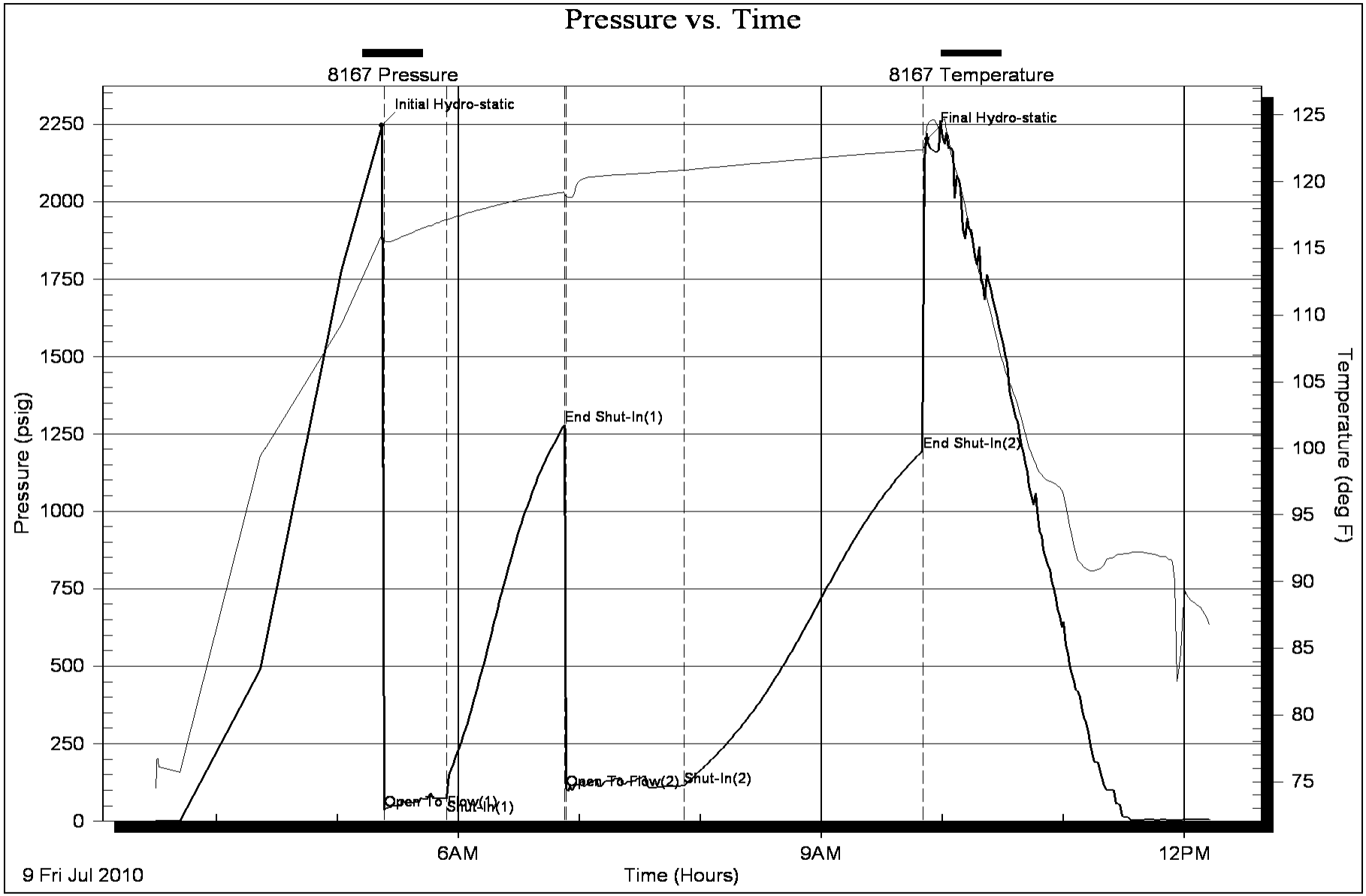
Length ft	Description	Volume bbl
60.00	SOCM 3%o 97%m	0.295
165.00	Mud w / few o specs	1.249
0.00	1070 ft.of GIP	0.000

Total Length: 225.00 ft Total Volume: 1.544 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: LCM 5 - 6#/bbl


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2250
2000
1750
1500
1250
1000
750
500
250
0
125
120
115
110
105
100
95
90
85
80
75
6AM
9AM
12PM
9 Fri Jul 2010
Time (Hours)

ALLIED CEMENTING CO., LLC. 043119

Federal Tax I.D.# 20-5975804

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

AUG 09 2010

SERVICE POINT: Medicine Lodge KS

DATE 7-2-2010	SEC 34	TWP 34	RANGE 11	CALLED OUT 11:00 P.M.	ON LOCATION 12:00 AM	JOB START 3:00 AM	JOB FINISH 3:30 AM
LEASE Mott	WELL # A #1		LOCATION 281 South of Medicine			COUNTY Barber	STATE KS
OLD OR (NEW) (Circle one)			To Rattlesnake Rd, 3E 1/4S E into				

CONTRACTOR Val #3
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 225 FT
CASING SIZE 10 3/4 DEPTH 222 FT
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 225 FT
TOOL DEPTH
PRES. MAX 150 PSI MINIMUM —
MEAS. LINE SHOE JOINT 20 FT
CEMENT LEFT IN CSG. 20 FT
PERFS.
DISPLACEMENT Fresh Water 20 BBLS

OWNER Woolsey

CEMENT

AMOUNT ORDERED 240 sx Class A + 3% cc + 2% Gel
Top out with 75 sx 60:40:3% cc + 2% gel

COMMON	285 sx	@	15.45	4,403.25
POZMIX	30 sx	@	8.00	240.00
GEL	10 sx	@	20.80	124.80
CHLORIDE	10 sx	@	58.20	582.00
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	315 sx	@	2.40	756.00
MILEAGE	315 sx X 18 X .10 =			567.00
			TOTAL	6,673.05

EQUIPMENT

PUMP TRUCK CEMENTER David West
#360/265 HELPER Matt T.
BULK TRUCK
#356-251 DRIVER Ron G.
BULK TRUCK
DRIVER

WELL FILE
Regulatory Correspondence
(Drig) / Comp Workovers
Tests / Meters Operations

REMARKS:

Pipe on Bottom Wash'd Nat Circ Mix 240 sx A + 3% cc + 2% gel Displace with 20 BBLS, Shut in Cement did Not Circ Top out with 75 sx 60:40:3% cc + 2% gel Wash up Rig Down.

SERVICE

DEPTH OF JOB 222 FT
PUMP TRUCK CHARGE 1018.00
EXTRA FOOTAGE @
MILEAGE 18 @ 7.00 126.00
MANIFOLD @
@
@
TOTAL 1144.00

CHARGE TO: Woolsey Operating
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1-Basket	@	266.00	266.00
	@		
	@		
	@		
	@		
		TOTAL	266.00

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.

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Mike Tharp

SIGNATURE X Mike Thp

Thank You!

ALLIED CEMENTING CO., LLC. 043122

Federal Tax I.D.# 20-5975804

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

AUG 09 2010

SERVICE POINT: Medicine Lodge KS,

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
7-12-2010	34	34s	11W	6:00 AM.	9:00 AM.	1:15 PM.	2:15 PM.

LEASE	WELL #	LOCATION	COUNTY	STATE
Mott	A-#1	281 & Rattle S	Barber	KS,

OLD OR (NEW) (Circle one)

CONTRACTOR Val #3
TYPE OF JOB Production
HOLE SIZE 7 7/8 T.D. 5346
CASING SIZE 4 1/2 DEPTH 5154
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 5346
TOOL DEPTH
PRES. MAX 700 PSI MINIMUM —
MEAS. LINE SHOE JOINT 42.52
CEMENT LEFT IN CSG. 42.52 FT
PERFS.
DISPLACEMENT Kcl Water 79 BBLS,

OWNER Woolsey

EQUIPMENT

PUMP TRUCK CEMENTER David W.
#360-265 HELPER Matt T.
BULK TRUCK
381-290 DRIVER Tobe B.
BULK TRUCK
DRIVER

CEMENT

AMOUNT ORDERED 175 SX H+10% Gyp-Seal 10% Salt 6# Kol-Seal .8% Fl-160 1/4# Flo-Seal 85 SX 60:40:4% gel 1/4# Flo-Seal 8 gal Kcl

COMMON	51 SX	@ 15.45	787.95
POZMIX	34 SX	@ 8.00	272.00
GEL	3 SX	@ 20.80	62.40
CHLORIDE		@	
ASC		@	
Class H	175 SX	@ 16.75	2,931.25
Gyp-Seal	17 SX	@ 29.20	496.40
Salt	19	@ 12.00	228.00
Kol-Seal	1050#	@ .89	934.50
Fl-160	131#	@ 13.35	1,748.85
Flo-Seal	44#	@ 2.50	110.20
Kcl	8 gal	@ 31.25	250.00
		@	
HANDLING	260 SX	@ 2.40	624.00
MILEAGE	260 SX X .10 X 15 =		390.00
		TOTAL	8,835.35

WELL FILE
Regulatory Correspondence
Drlg / (Comp) Workovers
Tests / Meters Operations

REMARKS:

Pipe on Bottom Break Circ Plug Rat & Mouse W:Th 35 SX 60:40:4% gel 1/4# Flo-Seal Pump 50 SX 60:40:4 gel 1/4# Flo-Seal Down Hole W:Th 175 SX #10% Gyp 10% Salt 6# Kol-Seal .8% Fl-160 1/4# Flo-Seal Shut Down Release Plug Wash Pump & Line Displace W:Th 2% Kcl water Slow Rate Bump Plug Float Did Hold Wash up Rig Down.

SERVICE

DEPTH OF JOB 5154 FT
PUMP TRUCK CHARGE 2,295.00
EXTRA FOOTAGE @
MILEAGE 15 @ 7.00 105.00
MANIFOLD @
@
@
TOTAL 2400.00

CHARGE TO: Woolsey
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1-AFU Float Shoe	@ 205.80	205.80
1-Latch Down Plug	@ 163.00	163.00
11-Turbolizers	@ 40.60	446.60
24-Scratchers	@ 23.94	574.56
	@	
	TOTAL	1,389.96

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

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 X MIKE THARP

SIGNATURE X Mike Tharp

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

Well Name:	**Mott A #1**		
Location:	**S/2 NW NW NW**		
License Number:	**API 15-007-23561-00-00**	**Region:**	**Barber Co., Ks**
Spud Date:	**July 1, 2010**	**Drilling Completed:**	**July 12, 2010**
Surface Coordinates:	**400' FNL & 330' FWL Section 34-TWP 34 S - RGN 11 W**		
	Wildcat		
Bottom Hole Coordinates:	**Vertical Hole**		
Ground Elevation (ft):	**1357**	**K.B. Elevation (ft):**	**1367**
Logged Interval (ft):	**3600 To: 5346**	**Total Depth (ft):**	**5346**
Formation:	**McLish Sand**		
Type of Drilling Fluid:	**Chemical, displaced at 3400'**		

OPERATOR

Company: **WOOLSEY OPERATING COMPANY, LLC**
Address: **125 N. MARKET STE 1000**
WICHITA, KANSAS 67202-1729

GEOLOGIST

Name: **W. SCOTT ALBERG**
Company: **ALBERG PETROLEUM, LLC**
Address: **609 MEADOWLARK LANE**
PRATT, KANSAS 67124

FORMATION TOPS

	LOG TOPS
HUSHPUCKNEY SHALE	4434 (-3067)
B/KC	4484(-3117)
PAWNEE	4585 (-3218)
CHEROKEE GROUP	4633(-3266)
MISSISSIPPIAN	4698(-3331)
COWLEY C2A	4710(-3343)
COMPTON LIMESTONE	4953(-3586)
KINDERHOOK SHALE	4962(-3595)
MAQUOKETA	5014(-3647)
VIOLA	5056(-3689)
SIMPSON GROUP	5147(-3780)
SIMPSON WILCOX	5162(-3795)
MCLISH SHALE	5226(-3859)
MCLISH SANDSTONE	5310(-3943)

Comments

Surface Casing: Ran 5 joints 10 3/4" x24# LS new, set at 220', tally 212' with 125 sxs on bottom, 1" with 115 sxs at 90', cement up but fell, 75 sxs to surface in cellar. Cement was Class A, 2% gel, 3% cc.
Production Casing: Set 4 1/2" x 10.5#
Deviation Surveys: 1 @ 220', 3/4 @ 4740', 1 @ 5346'
Pipe Strap: Strap 4528.48, Board 4527.23, Strap 1.18' long
Contractor Bit Record:
#1 14 3/4" FRD RR in at 0', out at 220', 2 hrs
#2 7 7/8" PDC, in at 220, out 4500', 53 1/4 hrs
#3 7 7/8" JZ, RR, in at 4500', out at 5246', 50 1/2 hrs

Gas Detector: Woolsey Operating Company, Gas Trailer #1
Mud System: Mud Co, Brad Bortz, engineer
DSTs: Trilobite Testing, Inc; Gary Pevoteaux, Tester
OH Logs: Superior Services, Dual Induction w/ SP, CNL-CDL w PE, GR, Caliper, Sonic.

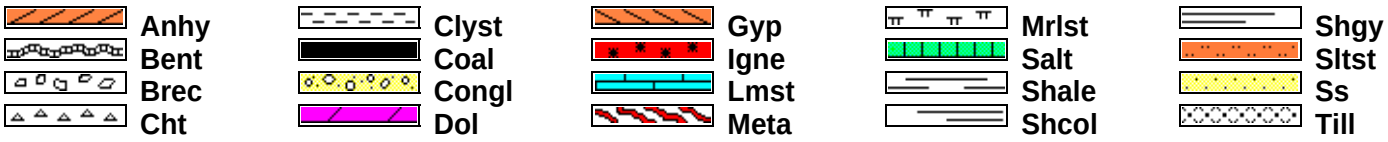
DSTs

DST #1 Mississippian, 4604' to 4740', 30"-60'-60"-120", SB BOB in 7 Minutes, Recovered 1070' GIP, 165' Mud w/ few oil specks, 60' SOCM (3% oil, 97% mud). IHP 2246, FHP 2202, IFP 38-74, FFP 104-114, FSIP 1196, BHT 122 degrees.

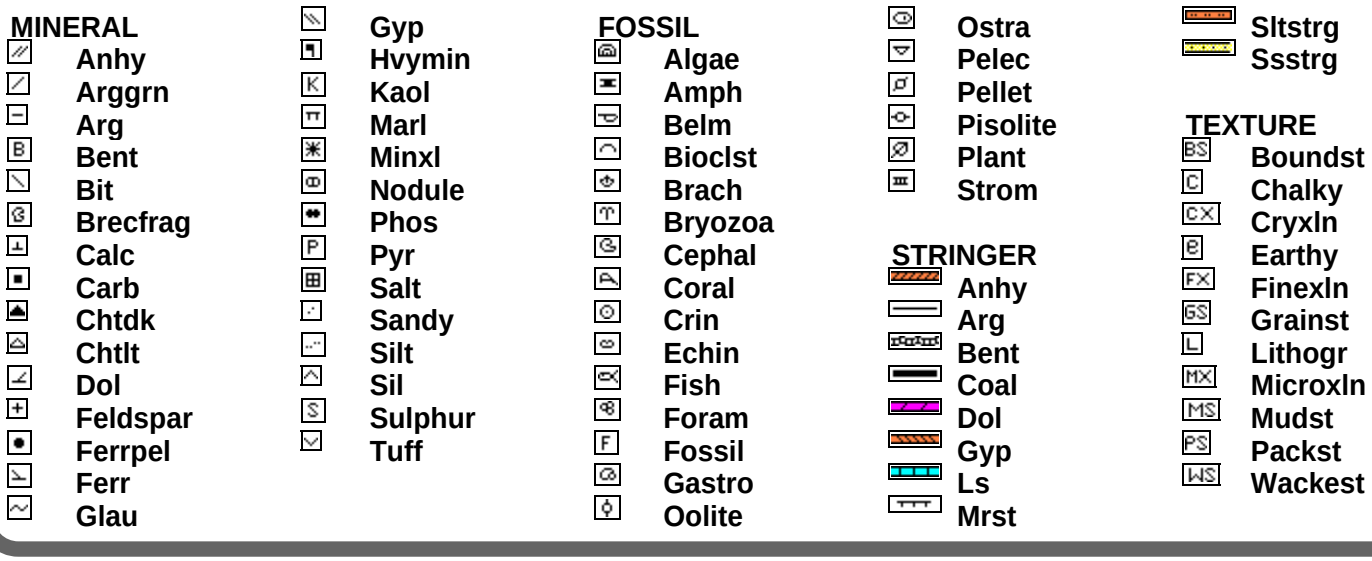
Rig & Crews

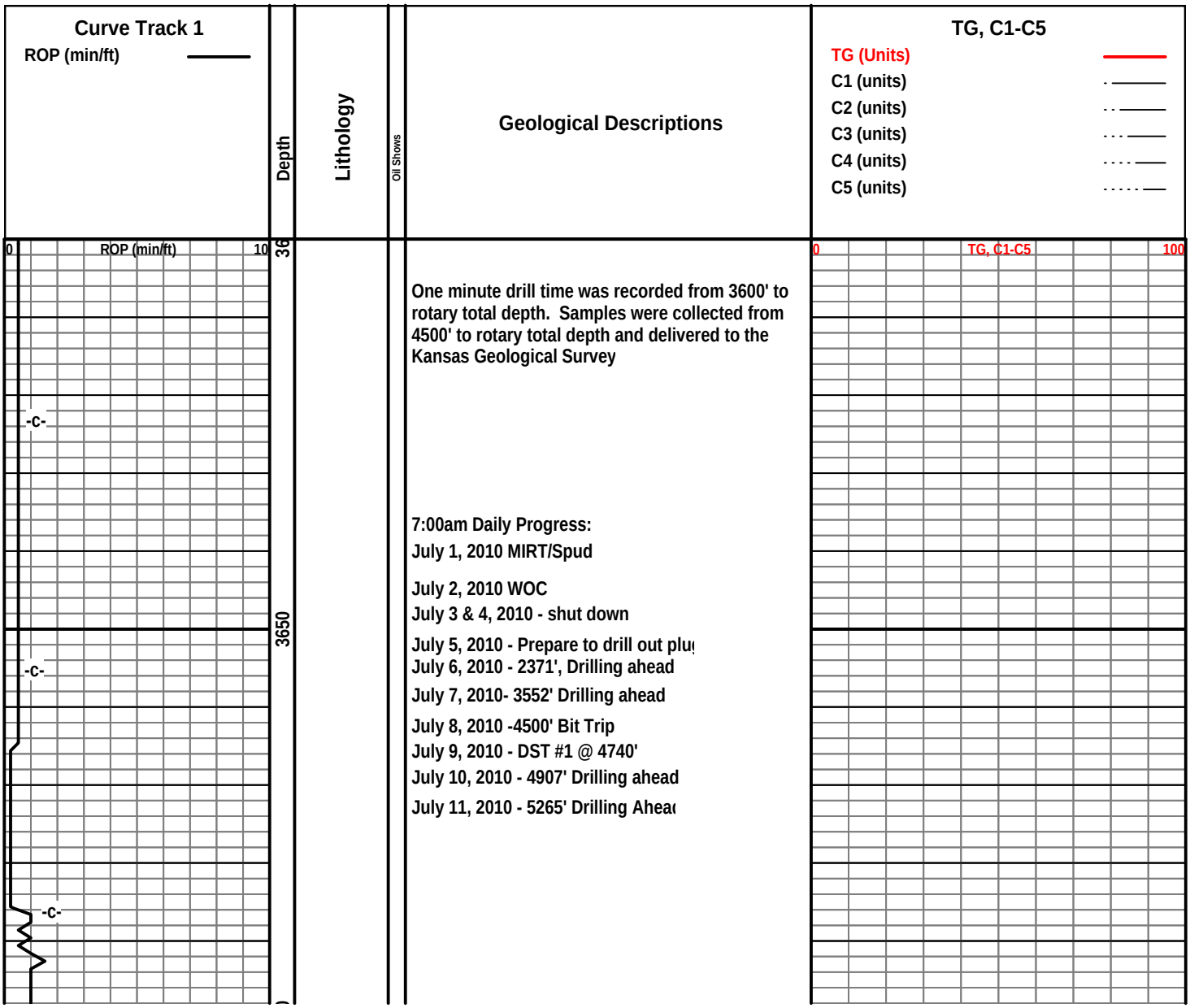
VAL Drilling Rig #3
Crews: Greg Davidison -Pusher
Josh Holloway -Driller
Mike Cavender - Driller
Daniel Olson - Driller

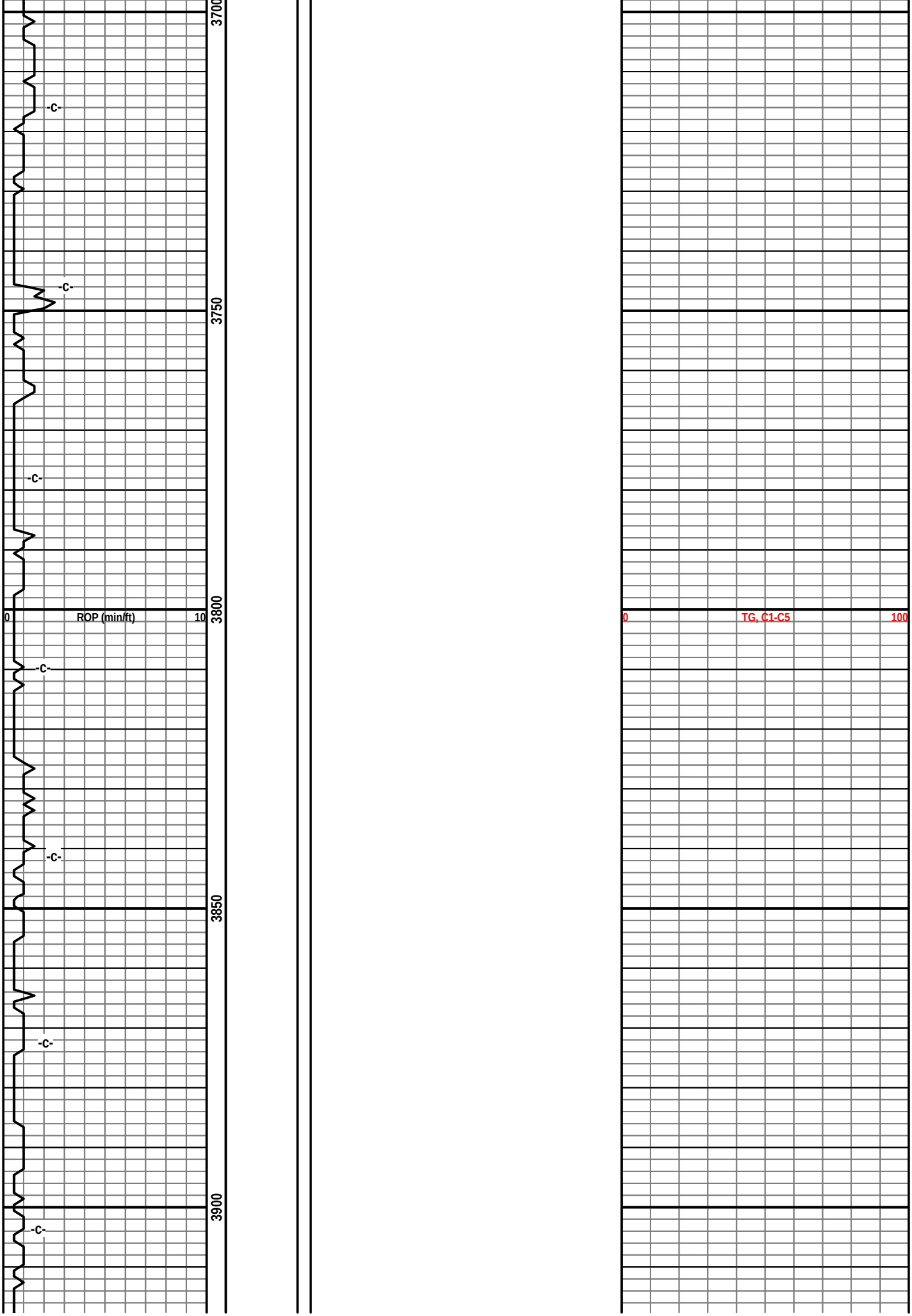
ROCK TYPES

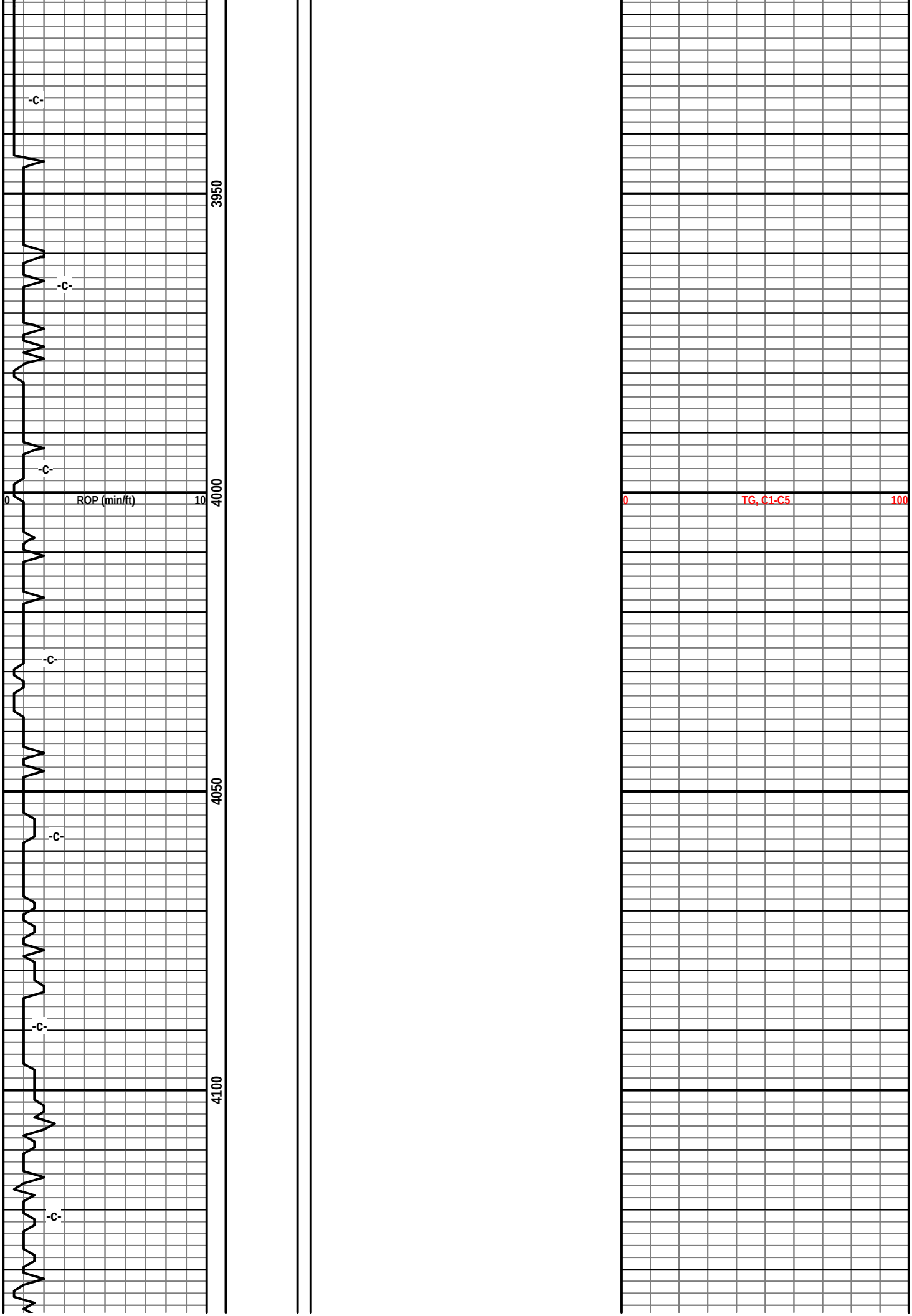


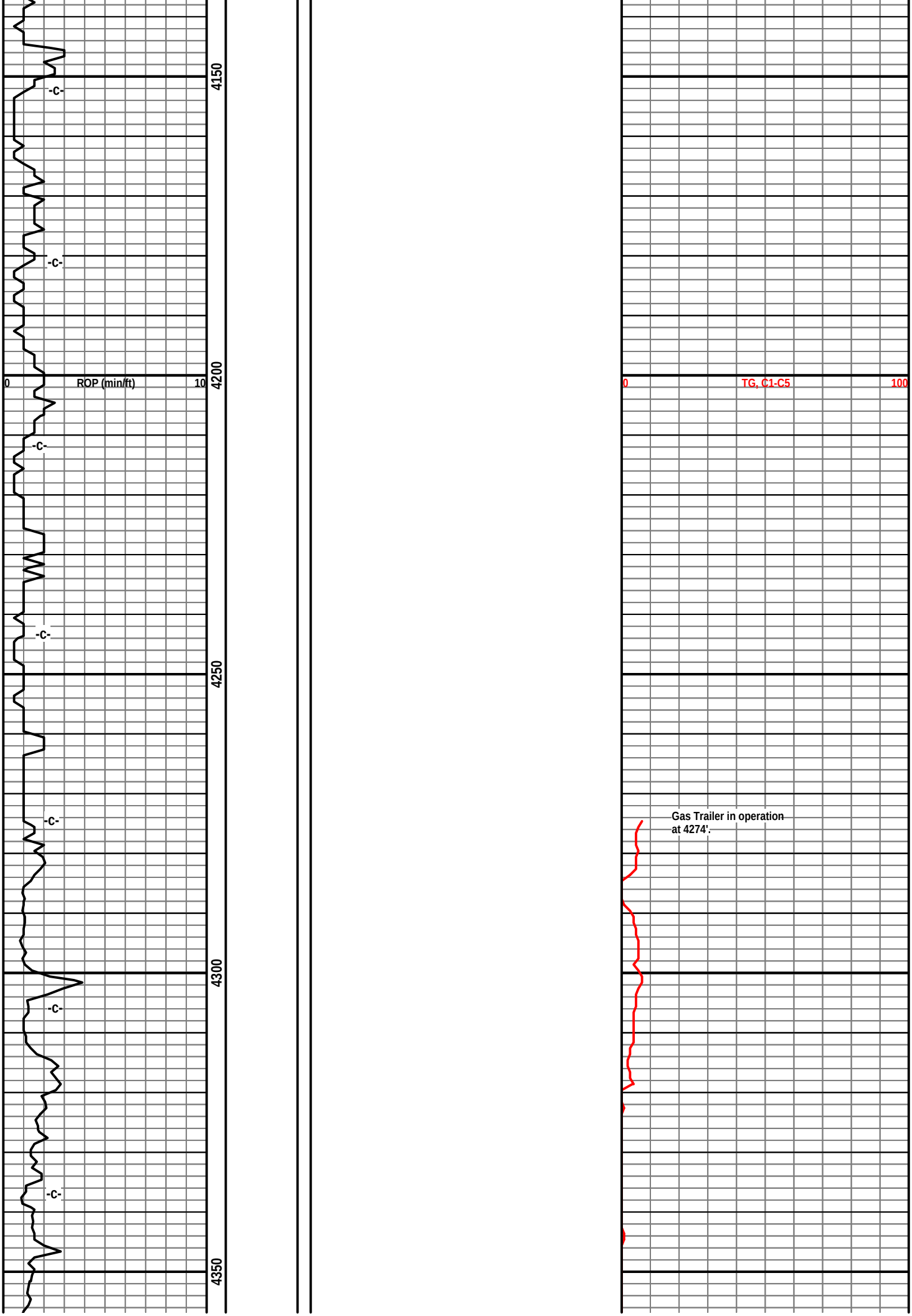
ACCESSORIES

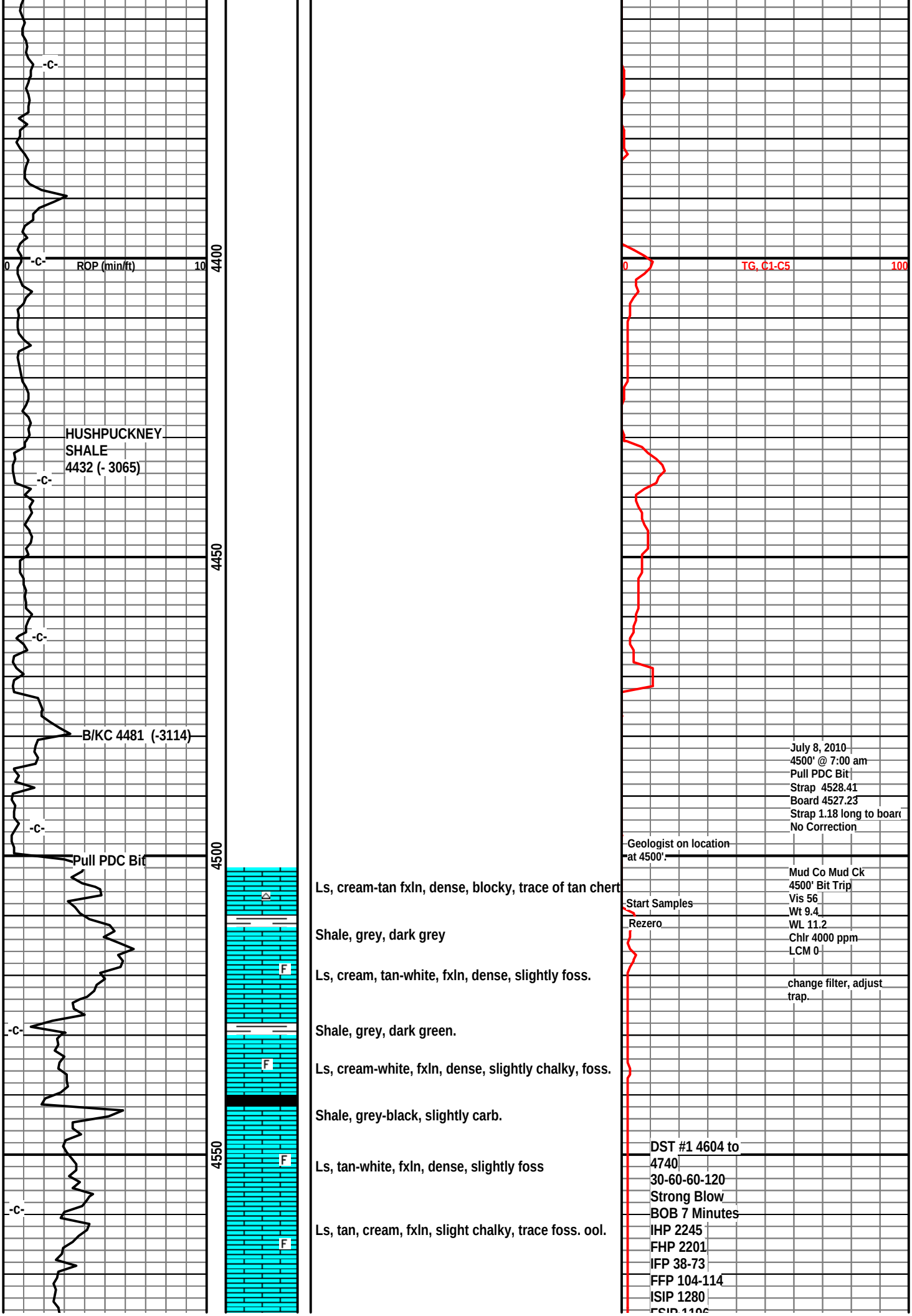


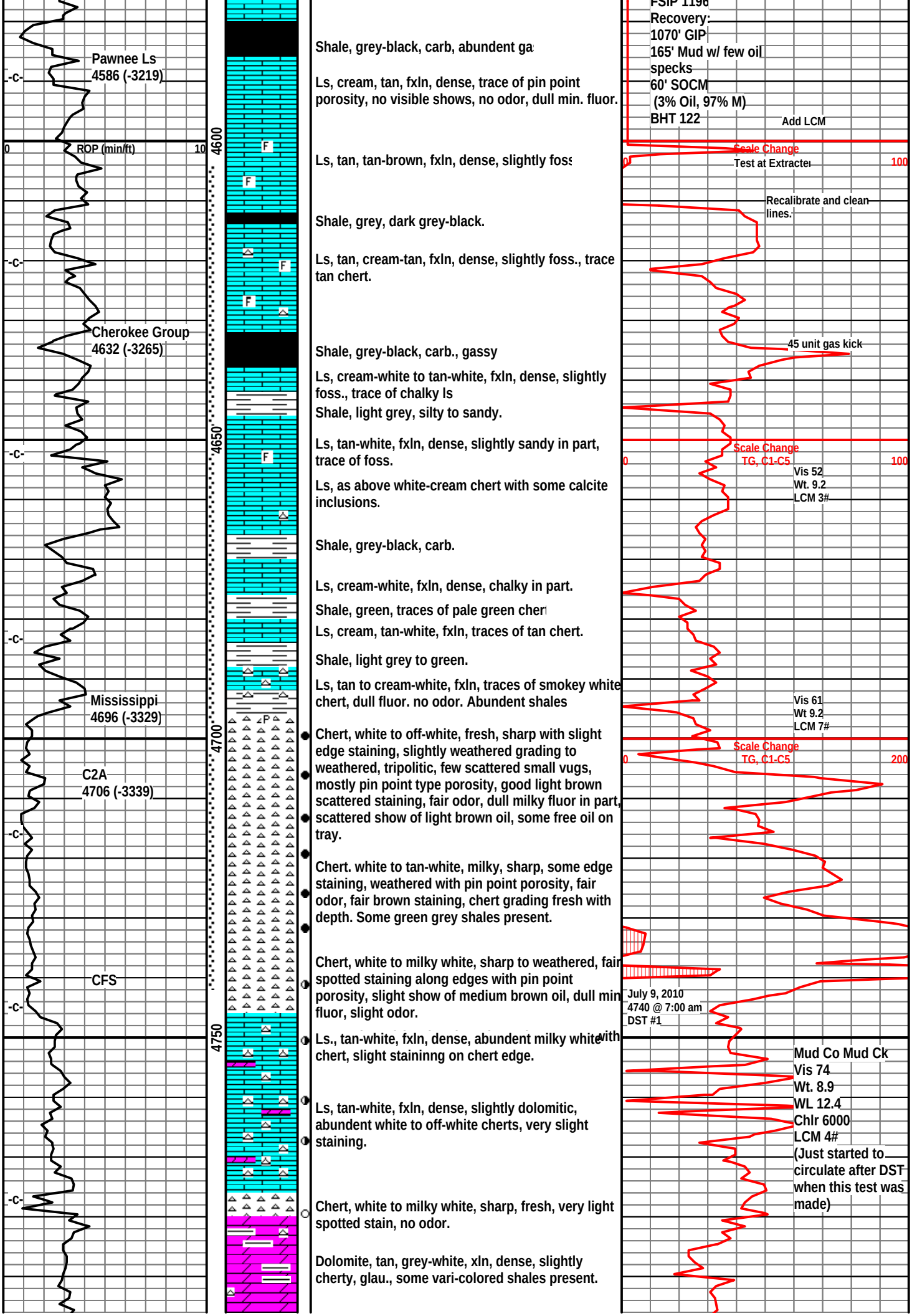


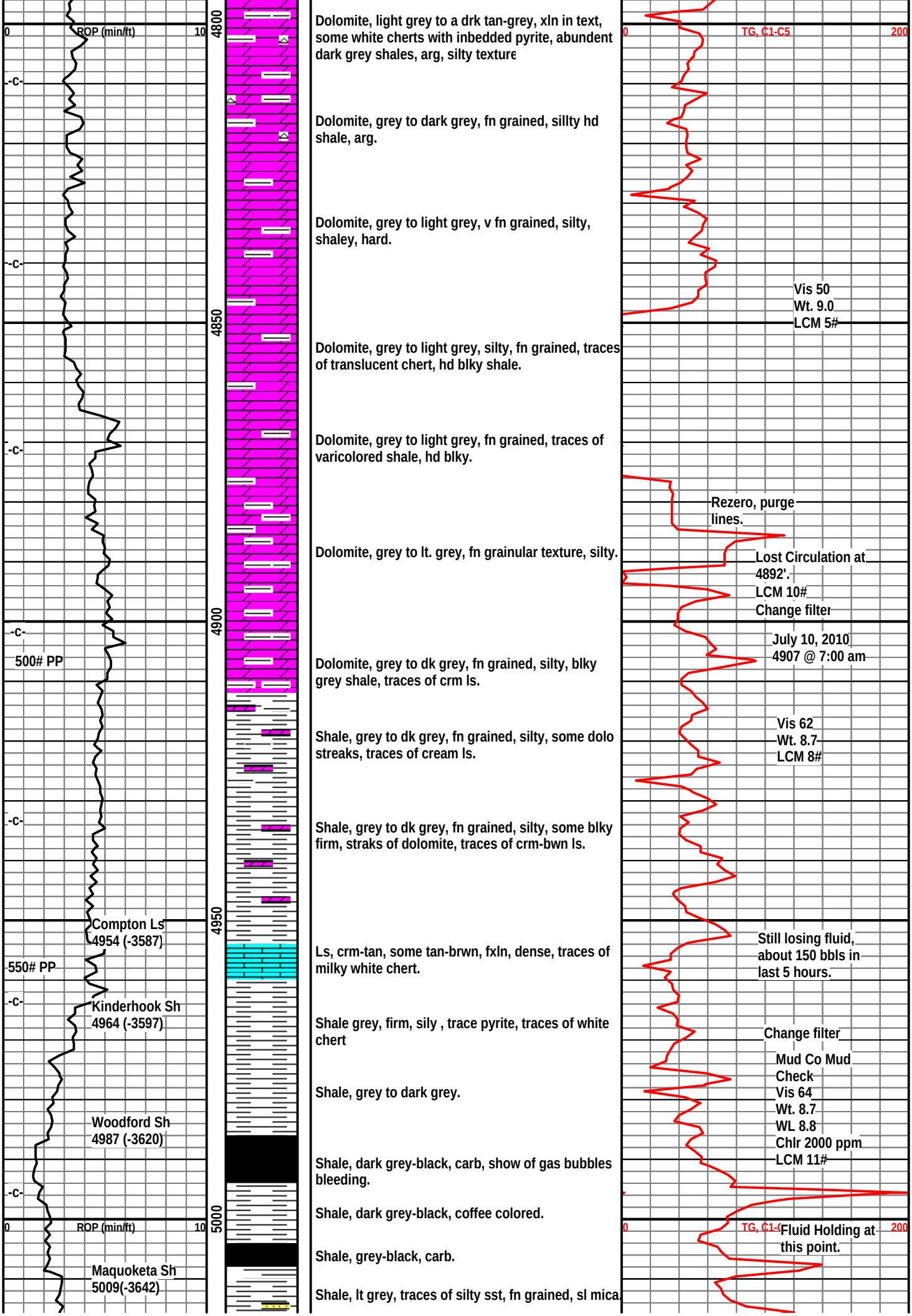

3700
-C-
-C-
3750
-C-
3800
0
ROP (min/ft)
10
0
TG, C1-C5
100
-C-
-C-
3850
-C-
3900
-C-

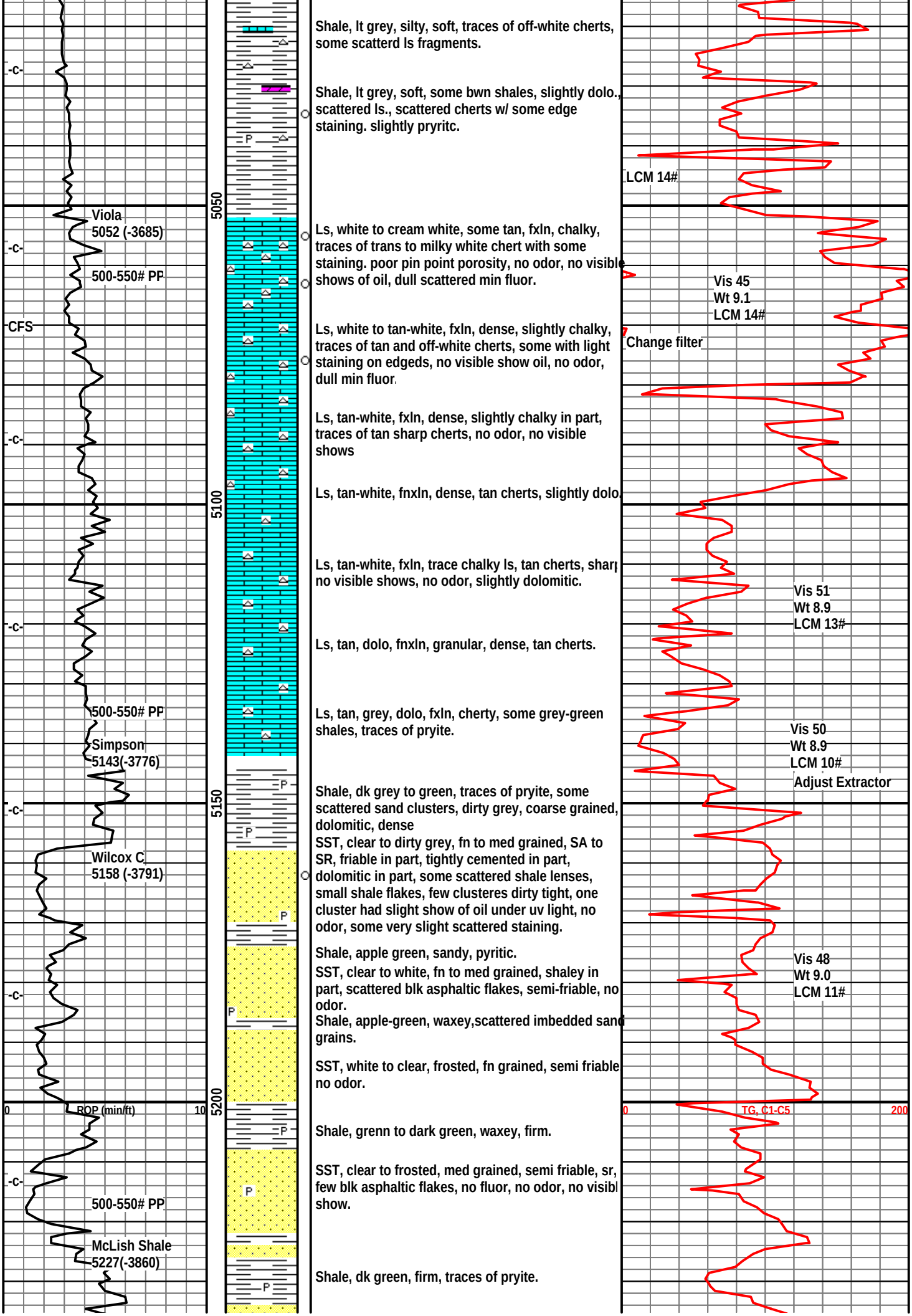

-C-
3950
-C-
-C-
0
ROP (min/ft)
10
4000
0
TG, C1-C5
100
-C-
4050
-C-
-C-
4100
-C-

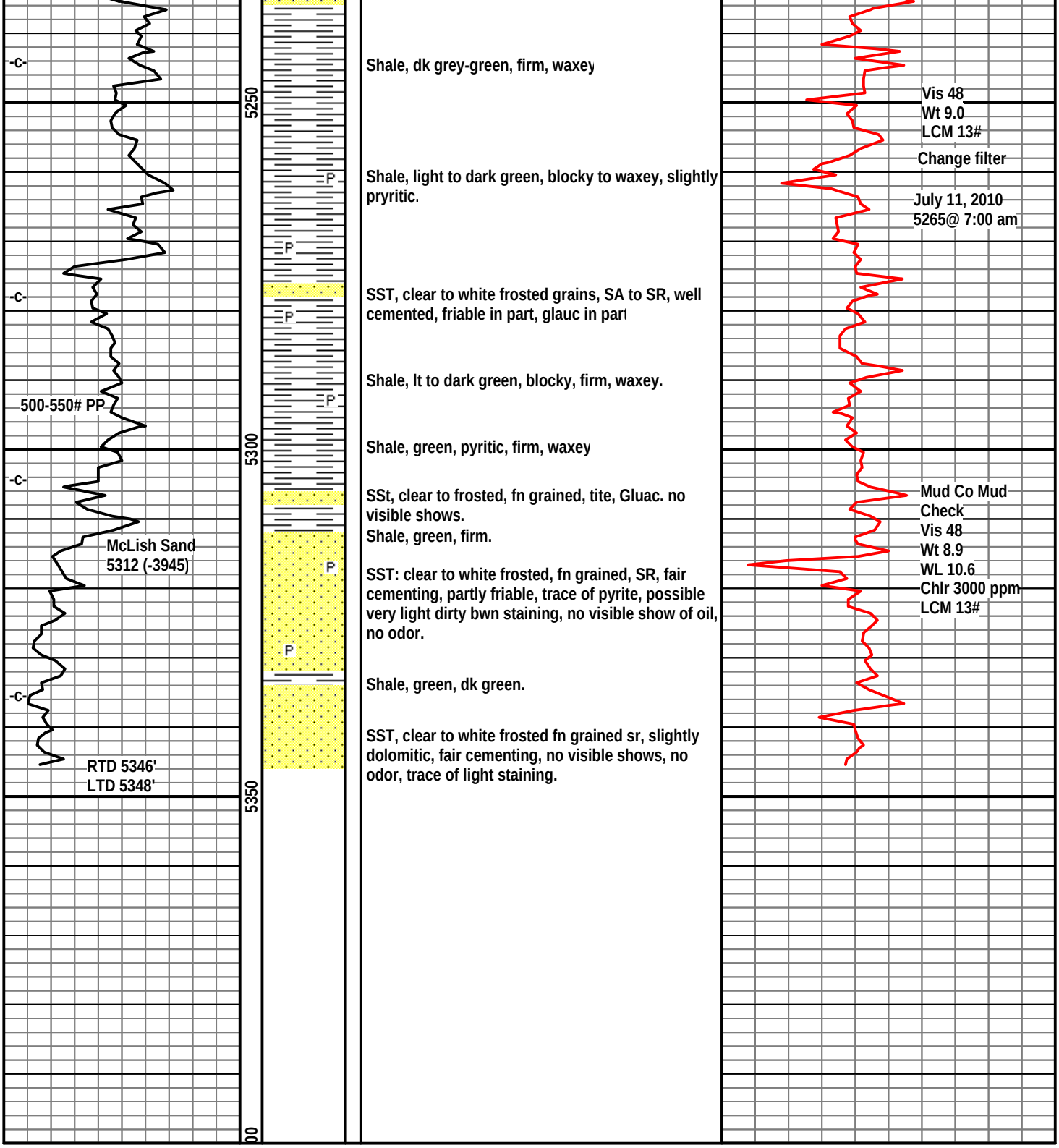

4150
-C-
-C-
0
ROP (min/ft)
10
4200
-C-
-C-
4250
-C-
-C-
4300
-C-
-C-
4350
0
TG, C1-C5
100
Gas Trailer in operation
at 4274'.


-C-
0
ROP (min/ft)
10
4400
HUSHPUCKNEY
SHALE
4432 (- 3065)
4450
B/KC 4481 (-3114)
Pull PDC Bit
4500
4550
F
0
TG, C1-C5
100
July 8, 2010
4500' @ 7:00 am
Pull PDC Bit
Strap 4528.41
Board 4527.23
Strap 1.18 long to boar
No Correction
Geologist on location
at 4500'.
Mud Co Mud Ck
4500' Bit Trip
Vis 56
Wt 9.4
WL 11.2
Chlr 4000 ppm
LCM 0
Start Samples
Rezero
change filter, adjust
trap.
Ls, cream-tan fxln, dense, blocky, trace of tan chert
Shale, grey, dark grey
Ls, cream, tan-white, fxln, dense, slightly foss.
Shale, grey, dark green.
Ls, cream-white, fxln, dense, slightly chalky, foss.
Shale, grey-black, slightly carb.
Ls, tan-white, fxln, dense, slightly foss
Ls, tan, cream, fxln, slight chalky, trace foss. ool.
DST #1 4604 to
4740
30-60-60-120
Strong Blow
BOB 7 Minutes
IHP 2245
FHP 2201
IFP 38-73
FFP 104-114
ISIP 1280


Pawnee Ls
4586 (-3219)
-c-
0
ROP (min/ft)
10
Cherokee Group
4632 (-3265)
Mississippi
4696 (-3329)
C2A
4706 (-3339)
CFS
4600
4650
4700
4750
Shale, grey-black, carb, abundent ga
Ls, cream, tan, fxln, dense, trace of pin point porosity, no visible shows, no odor, dull min. fluor.
Ls, tan, tan-brown, fxln, dense, slightly foss
Shale, grey, dark grey-black.
Ls, tan, cream-tan, fxln, dense, slightly foss., trace tan chert.
Shale, grey-black, carb., gassy
Ls, cream-white to tan-white, fxln, dense, slightly foss., trace of chalky ls
Shale, light grey, silty to sandy.
Ls, tan-white, fxln, dense, slightly sandy in part, trace of foss.
Ls, as above white-cream chert with some calcite inclusions.
Shale, grey-black, carb.
Ls, cream-white, fxln, dense, chalky in part.
Shale, green, traces of pale green cher
Ls, cream, tan-white, fxln, traces of tan chert.
Shale, light grey to green.
Ls, tan to cream-white, fxln, traces of smokey white chert, dull fluor. no odor. Abundent shales
Chert, white to off-white, fresh, sharp with slight edge staining, slightly weathered grading to weathered, tripolitic, few scattered small vugs, mostly pin point type porosity, good light brown scattered staining, fair odor, dull milky fluor in part, scattered show of light brown oil, some free oil on tray.
Chert. white to tan-white, milky, sharp, some edge staining, weathered with pin point porosity, fair odor, fair brown staining, chert grading fresh with depth. Some green grey shales present.
Chert, white to milky white, sharp to weathered, fair spotted staining along edges with pin point porosity, slight show of medium brown oil, dull min fluor, slight odor.
Ls., tan-white, fxln, dense, abundent milky white with chert, slight stainingn on chert edge.
Ls, tan-white, fxln, dense, slightly dolomitic, abundent white to off-white cherts, very slight staining.
Chert, white to milky white, sharp, fresh, very light spotted stain, no odor.
Dolomite, tan, grey-white, xln, dense, slightly cherty, glau., some vari-colored shales present.
FSIP 1196
Recovery:
1070' GIP
165' Mud w/ few oil specks
60' SOCM
(3% Oil, 97% M)
BHT 122
Add LCM
Scale Change
Test at Extracte
0
100
Recalibrate and clean lines.
45 unit gas kick
Scale Change
TG, C1-C5
0
100
Vis 52
Wt. 9.2
LCM 3#
Vis 61
Wt 9.2
LCM 7#
Scale Change
TG, C1-C5
0
200
July 9, 2010
4740 @ 7:00 am
DST #1
Mud Co Mud Ck
Vis 74
Wt. 8.9
WL 12.4
Chlr 6000
LCM 4#
(Just started to circulate after DST when this test was made)


0
ROP (min/ft)
10
-c-
-c-
-c-
-c-
500# PP
-c-
Compton Ls
4954 (-3587)
550# PP
-c-
Kinderhook Sh
4964 (-3597)
Woodford Sh
4987 (-3620)
-c-
0
ROP (min/ft)
10
Maquoketa Sh
5009(-3642)
4800
4850
4900
4950
5000
Dolomite, light grey to a drk tan-grey, xln in text, some white cherts with inbedded pyrite, abundent dark grey shales, arg, silty texture
Dolomite, grey to dark grey, fn grained, sillty hd shale, arg.
Dolomite, grey to light grey, v fn grained, silty, shaley, hard.
Dolomite, grey to light grey, silty, fn grained, traces of translucent chert, hd blky shale.
Dolomite, grey to light grey, fn grained, traces of varicolored shale, hd blky.
Dolomite, grey to lt. grey, fn grainular texture, silty.
Dolomite, grey to dk grey, fn grained, silty, blky grey shale, traces of crm ls.
Shale, grey to dk grey, fn grained, silty, some dolo streaks, traces of cream ls.
Shale, grey to dk grey, fn grained, silty, some blky firm, straks of dolomite, traces of crm-bwn ls.
Ls, crm-tan, some tan-brwn, fxln, dense, traces of milky white chert.
Shale grey, firm, sily , trace pyrite, traces of white chert
Shale, grey to dark grey.
Shale, dark grey-black, carb, show of gas bubbles bleeding.
Shale, dark grey-black, coffee colored.
Shale, grey-black, carb.
Shale, lt grey, traces of silty sst, fn grained, sl mica
0
TG, C1-C5
200
Vis 50
Wt. 9.0
LCM 5#
Rezero, purge lines.
Lost Circulation at 4892'.
LCM 10#
Change filter
July 10, 2010
4907 @ 7:00 am
Vis 62
Wt. 8.7
LCM 8#
Still losing fluid, about 150 bbls in last 5 hours.
Change filter
Mud Co Mud Check
Vis 64
Wt. 8.7
WL 8.8
Chlr 2000 ppm
LCM 11#
0
TG, C1-C
200
Fluid Holding at this point.


Shale, lt grey, silty, soft, traces of off-white cherts, some scatterd ls fragments.
Shale, lt grey, soft, some bwn shales, slightly dolo., scattered ls., scattered cherts w/ some edge staining. slightly pryritc.
LCM 14#
Viola
5052 (-3685)
Ls, white to cream white, some tan, fxln, chalky, traces of trans to milky white chert with some staining. poor pin point porosity, no odor, no visible shows of oil, dull scattered min fluor.
500-550# PP
Vis 45
Wt 9.1
LCM 14#
CFS
Ls, white to tan-white, fxln, dense, slightly chalky, traces of tan and off-white cherts, some with light staining on edgeds, no visible show oil, no odor, dull min fluor.
Change filter
Ls, tan-white, fxln, dense, slightly chalky in part, traces of tan sharp cherts, no odor, no visible shows
Ls, tan-white, fnxln, dense, tan cherts, slightly dolo.
Ls, tan-white, fxln, trace chalky ls, tan cherts, sharp no visible shows, no odor, slightly dolomitic.
Vis 51
Wt 8.9
LCM 13#
Ls, tan, dolo, fnxln, granular, dense, tan cherts.
500-550# PP
Ls, tan, grey, dolo, fxln, cherty, some grey-green shales, traces of pryite.
Simpson
5143(-3776)
Vis 50
Wt 8.9
LCM 10#
Adjust Extractor
Shale, dk grey to green, traces of pryite, some scattered sand clusters, dirty grey, coarse grained, dolomitic, dense
SST, clear to dirty grey, fn to med grained, SA to SR, friable in part, tightly cemented in part, dolomitic in part, some scattered shale lenses, small shale flakes, few clusteres dirty tight, one cluster had slight show of oil under uv light, no odor, some very slight scattered staining.
Wilcox C
5158 (-3791)
Shale, apple green, sandy, pyritic.
SST, clear to white, fn to med grained, shaley in part, scattered blk asphaltic flakes, semi-friable, no odor.
Vis 48
Wt 9.0
LCM 11#
Shale, apple-green, waxey,scattered imbedded sand grains.
SST, white to clear, frosted, fn grained, semi friable no odor.
0
ROP (min/ft)
10
0
TG, C1-C5
200
Shale, grenn to dark green, waxey, firm.
SST, clear to frosted, med grained, semi friable, sr, few blk asphaltic flakes, no fluor, no odor, no visibl show.
500-550# PP
McLish Shale
5227(-3860)
Shale, dk green, firm, traces of pryite.
5050
5100
5150
5200
-c-
P


-c-
-c-
-c-
-c-
500-550# PP
McLish Sand
5312 (-3945)
RTD 5346'
LTD 5348'
5250
5300
5350
00
P
P
P
P
P
P
Shale, dk grey-green, firm, waxey
Shale, light to dark green, blocky to waxey, slightly pryritic.
SST, clear to white frosted grains, SA to SR, well cemented, friable in part, glauc in par
Shale, lt to dark green, blocky, firm, waxey.
Shale, green, pyritic, firm, waxey
SSt, clear to frosted, fn grained, tite, Gluac. no visible shows.
Shale, green, firm.
SST: clear to white frosted, fn grained, SR, fair cementing, partly friable, trace of pyrite, possible very light dirty bwn staining, no visible show of oil, no odor.
Shale, green, dk green.
SST, clear to white frosted fn grained sr, slightly dolomitic, fair cementing, no visible shows, no odor, trace of light staining.
Vis 48
Wt 9.0
LCM 13#
Change filter
July 11, 2010
5265@ 7:00 am
Mud Co Mud Check
Vis 48
Wt 8.9
WL 10.6
Chlr 3000 ppm
LCM 13#

KANSAS
CORPORATION COMMISSION

October 29, 2010

DEAN PATTISSON
Woolsey Operating Company, LLC
125 N MARKET STE 1000
WICHITA, KS 67202-1729

Re: ACO1
API 15-007-23561-00-00
MOTT A 1
NW/4 Sec.34-34S-11W
Barber 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,
DEAN PATTISSON