



KANSAS CORPORATION COMMISSION 1077117
OIL & GAS CONSERVATION DIVISION

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 # _____

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: _____



1077117

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 Bbls.	Gas Mcf	Water Bbls.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Midwestern Exploration Company
Well Name	Mary 'B' 2-10
Doc ID	1077117

Tops

Name	Top	Datum
Base/Heebner	4337'	(-1348')
Toronto Lm	4355'	(-1366')
Lansing	4456'	(-1467')
Marmaton	5214'	(-2225')
Cherokee Shale	5570'	(-2581')
L. Atoka Lime	5877'	(-2888')
Morrow Shale	5911'	(-2922')
Chester C Lime	6281'	(-3292')
Ste Genevieve	6640'	(-3651')
St. Louis	6720'	(-3731')

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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Tyep and Percent Additives
Conductor	30	20	65	60	Grout	10	
Surface	12.250	8.625	24	1650	Class A con	400	3% CC slurry
Surface	12.250	8.625	24	1650	Class A Premium	150	2% CC slurry
Production	7.875	5.5	15.5	6705	Class A	150	AA2

MIDWESTERN EXPLORATION COMPANY

Mary 'B' #2-10

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

Well Name: Mary 'B' #2-10
Location: Section 10-T35S-R35W
License Number: API 15-189-22776
Spud Date: 11/14/11
Surface Coordinates: 350' FNL & 330' FWL
Region: Stevens Co, KS
Drilling Completed: 11/22/2011

Bottom Hole Coordinates: 350' FNL & 330' FWL
Ground Elevation (ft): 2,977' K.B. Elevation (ft): 2,989'
Logged Interval (ft): 4,300' To: 6,800' Total Depth (ft): 6,800'
Formation: Mississippian St. Louis
Type of Drilling Fluid: Chemical

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

OPERATOR

Company: Midwestern Exploration Company
Address: 3500 S. Boulevard, Suite #2B
Edmond, OK 73013

GEOLOGIST

Name: Thomas M. Williams
Company: Petroleum Geologist
Address: Wichita, KS

CORE

Contractor:
Core #:
Formation:
Core Interval:
Bit type:
Size:
Coring Time:
From:
To:
Cut:
Recovered:

Formation Tops

	Sample Top	E-Log Top
Base/Heebner Sin	4345 (-1356)	4337 (-1348)
Toronto Lm	4356 (-1367)	4355 (-1366)
Lansing	4458 (-1469)	4456 (-1467)
Marmaton	5229 (-2240)	5214 (-2225)
Cherokee Shale	5586 (-2597)	5570 (-2581)
L. Atoka Lime	5893 (-2904)	5877 (-2888)
Morrow Shale	5927 (-2938)	5911 (-2922)
U. Morrow Sand	5930 (-2941)	5914 (-2925)
L. Morrow Lime	6234 (-3245)	6219 (-3230)
Chester 'C' Lime	6295 (-3306)	6281 (-3292)
Chester 'A' Lime	6406 (-3417)	6392 (-3403)
Chester 'A' Sand	6548 (-3559)	6534 (-3545)
Ste. Genevieve	6657 (-3668)	6640 (-3651)
St. Louis	6735 (-3746)	6720 (-3731)

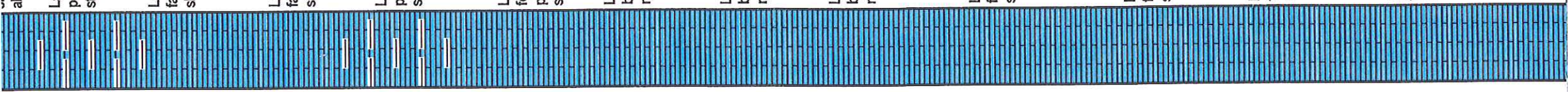
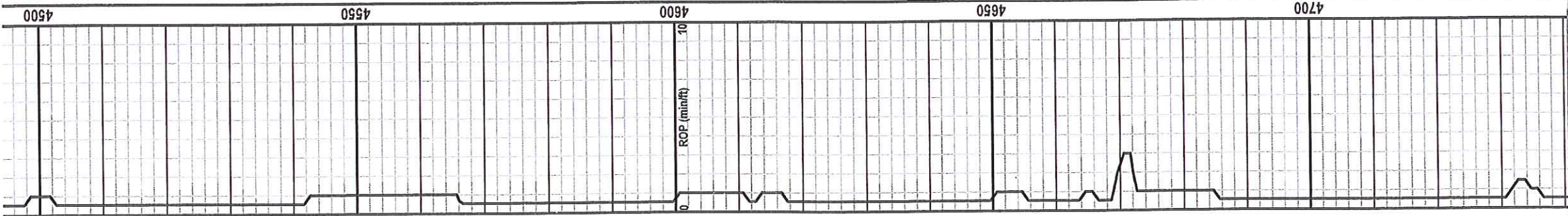
DSTs

DST #1 6535-6575' Chester 'A' Sand

IHP 3278#
 IFP 49-90# 30"
 ISIP 1839# 60"
 FFP 72-123# 60"
 FSIP 1753# 120"
 FHP 3209#
 IF Strong, Bottom of bucket in 3"
 FF Strong, BOB ASAO, GTS @ shut-in
 Rec: 480' Gas in pipe
 280' Gas cut muddy oil, 20% gas, 75% oil, 5% mud

Comments

Due to the shows of gas in the Upper Morrow Sand and the Chester 'B' Lime, and the very good show of oil in the Chester Sand from DST # 1 along with favorable electric log calculations, it was decided to further test the Mary 'B' #2-10 through production casing.



abdt chert

Ls, med. to drk gry, f. xln, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, f-m xln, foss, poor to fair dev vug. & int xln. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, f-m xln, foss, poor to fair dev vug. & int xln. porosity, no shows, no fluor, no odor, no staining.

Ls, med. to drk gry, f. xln, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, lt gry-wh, f-m xln, foss, poor to fair dev vug. & int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, tan, lt gry, f-m xln, dns. to brittle, fair dev vug. & int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, tan, lt gry, f-m xln, dns. to brittle, fair dev vug. & int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, tan, lt gry, f-m xln, dns. to brittle, fair dev. int xln. & vug. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, gry-wh, dns. to brittle, fair dev. int xln. & vug. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, tan, f-m xln, granular, fair to well dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, tan, f-m xln, granular, fair to well dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, tan, f-m xln, granular, fair to well dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining.

4750

4800

4850

4900

4950

ROP (min/ft)

10

0

Ls, buff, crm. wh, tan, f-m xln, granular, fair to well dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining, chalky.

Ls, buff, crm. wh, tan, f-m xln, granular, fair to well dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining, chalky.

Ls, tan, buff, f-m xln, brittle, oolitic, fair dev. oomoldic porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm, lt gry, f-m xln, dns. to brittle, fair dev. int. xln. & sm. vugular porosity, no shows, no fluor, no odor, no staining.

Ls, tan, gry, v. dns, p. dev. to no vis. porosity, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no staining.

Ls, buff, crm, lt gry, f-m xln, dns. to brittle, fair dev. int. xln. & sm. vugular porosity, no shows, no fluor, no odor, no staining.

Sh, med. to drk. gry, fissile, brittle.

Ls, lt. to med. gry, f. xln, v. dns, p. dev. to no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. to med. gry, f. xln, v. dns, p. dev. to no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. to med. gry, f. xln, v. dns, arg. & shaley, p. dev. to no vis. porosity, no shows, no fluor, no odor, no staining, w/ med. gry sh.

Ls, buff, crm, lt. gry, f-m xln, dns. to brittle, fair dev. int. xln. & sm. vugular porosity, no shows, no fluor, no odor, no staining.

Ls, crm-wh, lt. gry, f-m xln, dns. to brittle, fair dev. int. xln. & sm. vugular porosity, no shows, no fluor, no odor, no staining, chalky.

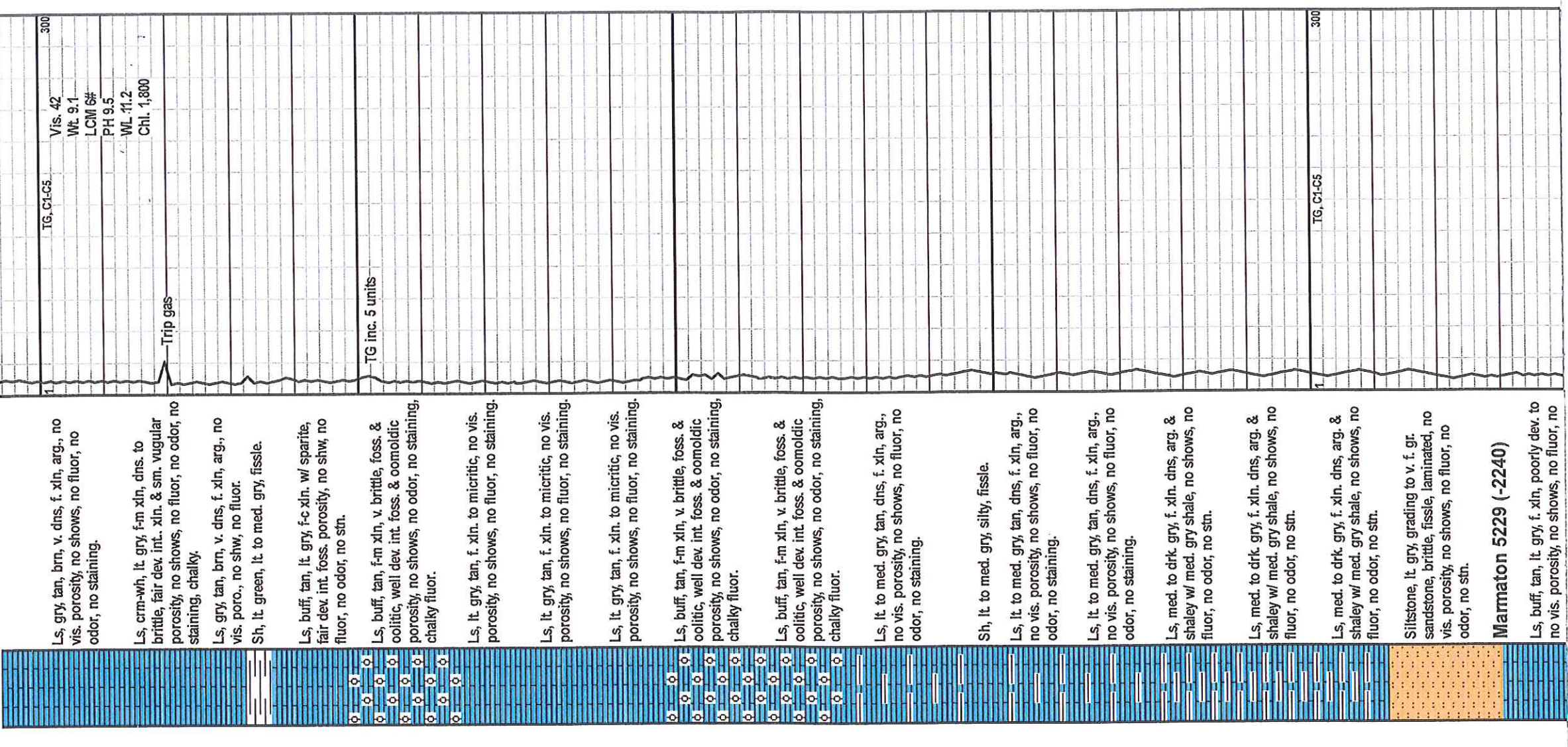
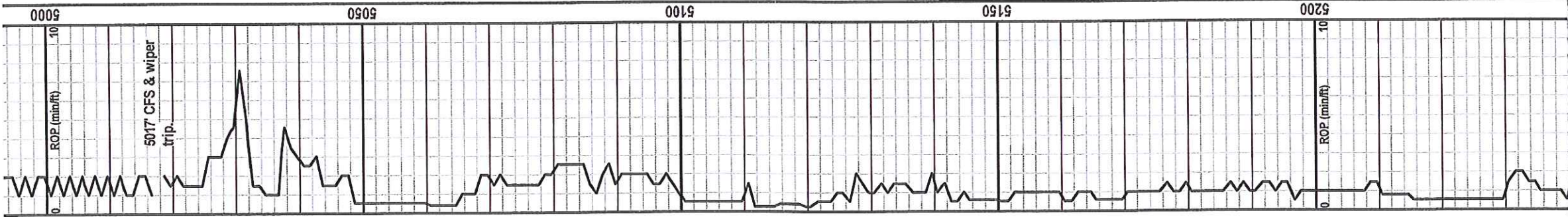
Ls, tan, lt. gry, v. dns, f. xln, no vis. porosity, no shows, no fluor, no odor, no

Vis. 37
Wt 9.0
LCM #

TG, C1-C5

300

1



Ls, gry, tan, brn, v. dns, f. xin, arg., no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, crm-wh, lt. gry, f-m xin, dns. to brittle, fair dev. int. xin. & sm. vugular porosity, no shows, no fluor, no odor, no staining, chalky.

Ls, gry, tan, brn, v. dns, f. xin, arg., no vis. poro., no shw, no fluor.

Sh, lt. green, lt. to med. gry, fissle.

Ls, buff, tan, lt. gry, f-c xin. w/ sparite, fair dev. int. foss. porosity, no shw, no fluor, no odor, no stn.

Ls, buff, tan, f-m xin, v. brittle, foss. & oolitic, well dev. int. foss. & oomoldic porosity, no shows, no odor, no staining, chalky fluor.

Ls, lt. gry, tan, f. xin. to micritic, no vis. porosity, no shows, no fluor, no staining.

Ls, lt. gry, tan, f. xin. to micritic, no vis. porosity, no shows, no fluor, no staining.

Ls, lt. gry, tan, f. xin. to micritic, no vis. porosity, no shows, no fluor, no staining.

Ls, buff, tan, f-m xin, v. brittle, foss. & oolitic, well dev. int. foss. & oomoldic porosity, no shows, no odor, no staining, chalky fluor.

Ls, buff, tan, f-m xin, v. brittle, foss. & oolitic, well dev. int. foss. & oomoldic porosity, no shows, no odor, no staining, chalky fluor.

Ls, lt. to med. gry, tan, dns, f. xin, arg., no vis. porosity, no shows, no fluor, no odor, no staining.

Sh, lt. to med. gry, silty, fissle.

Ls, lt. to med. gry, tan, dns, f. xin, arg., no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. to med. gry, tan, dns, f. xin, arg., no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, med. to drk. gry, f. xin. dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.

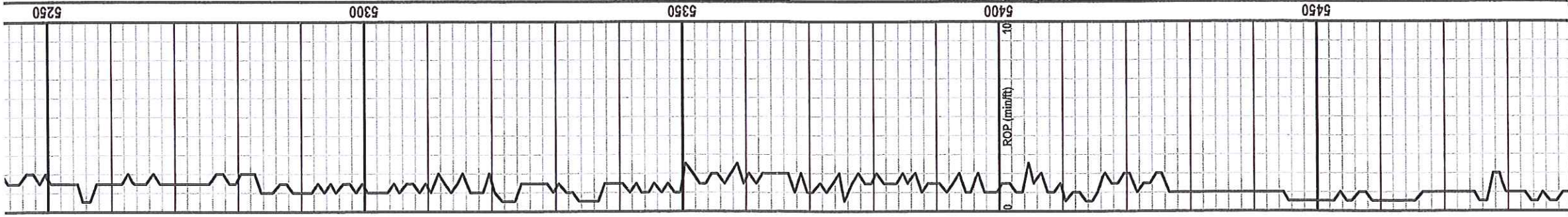
Ls, med. to drk. gry, f. xin. dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.

Ls, med. to drk. gry, f. xin. dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.

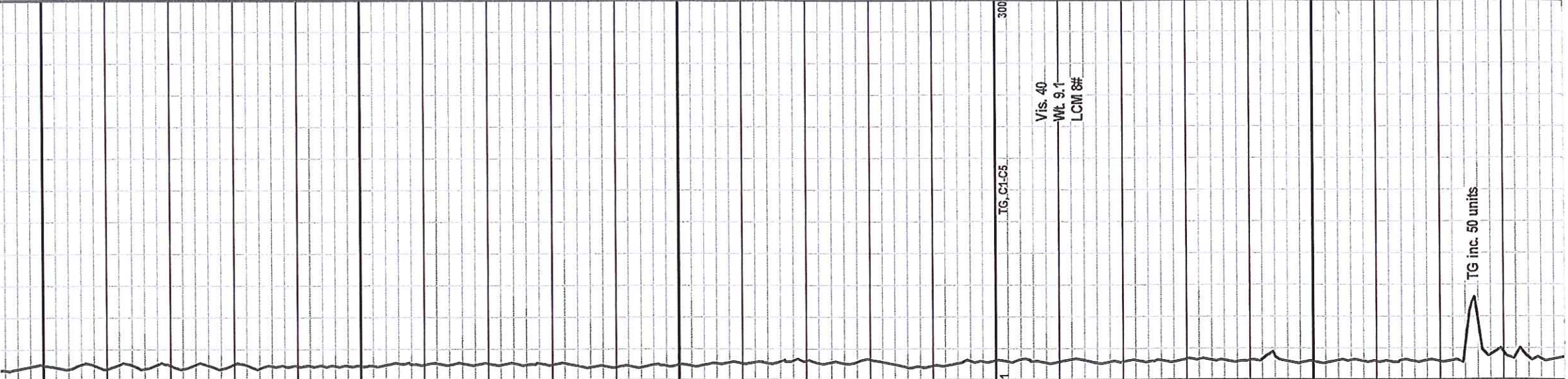
Siltstone, lt. gry, grading to v. f. gr. sandstone, brittle, fissle, laminated, no vis. porosity, no shows, no fluor, no odor, no stn.

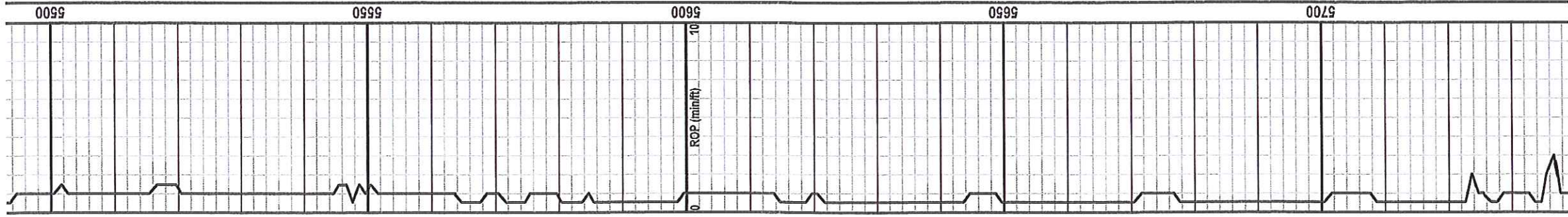
Marmaton 5229 (-2240)

Ls, buff, tan, lt. gry, f. xin, poorly dev. to no vis. porosity, no shows, no fluor, no

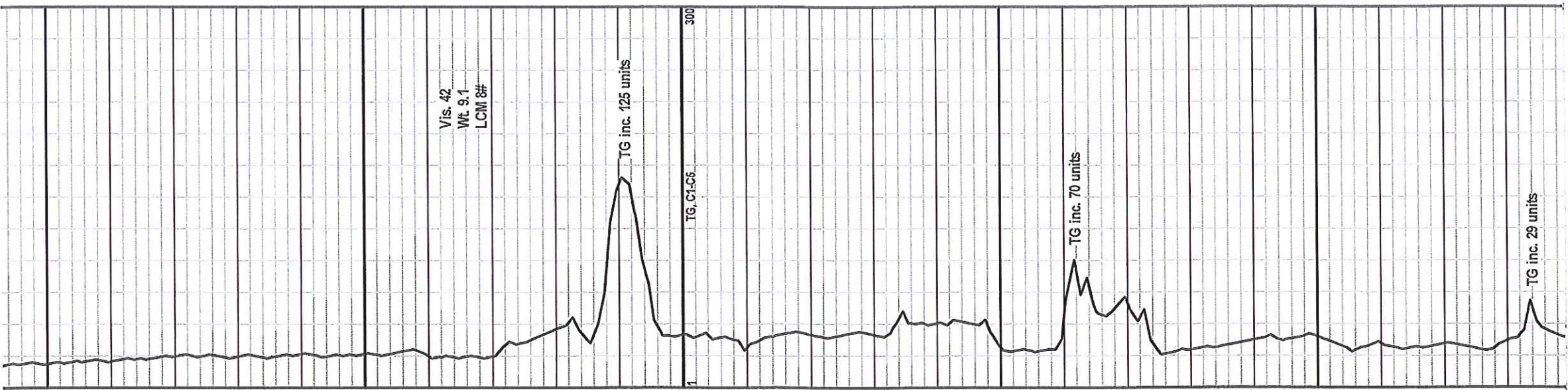


5250	Ls, buff, tan, lt gry, f. xln, poorly dev. to no vis. porosity, no shows, no fluor, no odor, no staining. Sh, lt to med. gry, silty, fissile.
5300	Ls, buff, tan, f. xln, dns, poorly dev. to no vis. porosity, no shows, no fluor, no odor, no staining. Ls, buff, tan, f. xln, dns, poorly dev. to no vis. porosity, no shows, no fluor, no odor, no staining. Ls, med. to drk. gry, f. xln, dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn. Ls, med. to drk. gry, f. xln, dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn. Sh, med. gry, silty, calcareous. Ls, med. to drk. gry, f. xln, dns, arg. & shaley w/ med. gry shale.
5350	Sh, med. gry, silty, calcareous. Ls, lt to med. gry, tan, f. xln, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining. Ls, lt to med. gry, tan, f. xln, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.
5400	Ls, buff, tan, lt gry, f-m xln, dns, poorly dev. int. xln. porosity, no shows, no fluor, no odor, no stn. Ls, buff, tan, lt gry, f-m xln, dns, poorly dev. int. xln. porosity, no shows, no fluor, no odor, no stn.
5450	Ls, buff, tan, lt gry, f-m xln, dns, p-f dev. int. xln. porosity, no shows, no fluor, no odor, no stn. Ls, crm. wh, buff, f-m xln, dns, p-f dev. int. xln. porosity, no shows, no fluor, no odor, no stn., chalky. Ls, crm. wh, buff, f-m xln, dns, p-f dev. int. xln. porosity, no shows, no fluor, no odor, no stn., chalky. Sh, black carb., bleeding gas. Ls, med. to drk. gry, f. xln, dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.





5500	Ls, med. to drk. gry, dns, f. xln, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no stn.
5550	Ls, lt. to med. gry, tan, f. xln, dns, no vis. porosity, no shows, no fluor, no odor, no staining.
5600	Ls, med. to drk. gry, f. xln. dns, arg. & shaley w/ med. gry shale, no shows, no fluor, no odor, no stn.
5650	Ls, med. to drk. gry, dns, f. xln, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no stn.
5700	Ls, med. to drk. gry, dns, f. xln, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no stn.



5500	Ls, lt. to med. gry, tan, f. xln, dns, no vis. porosity, no shows, no fluor, no odor, no staining.
5550	Ls, lt. to med. gry, tan, f. xln, dns, no vis. porosity, no shows, no fluor, no odor, no staining.
5600	Cherokee Sh 5586 (-2597) Sh, black carbonaceous, bleeding abdt gas.
5650	Sh, med. to drk. gry, black, carb.
5700	Sh, med. to drk. gry, black, carb.

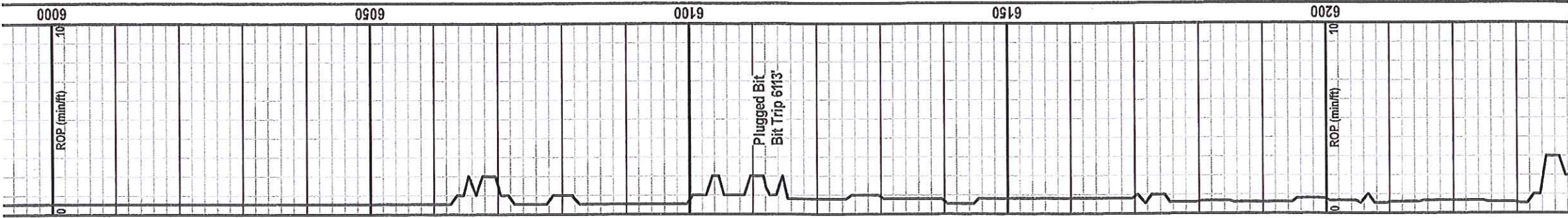
Vis. 42
Wt. 9.1
LCM 8#

TG inc. 125 units

TG. C1-C6

TG inc. 70 units

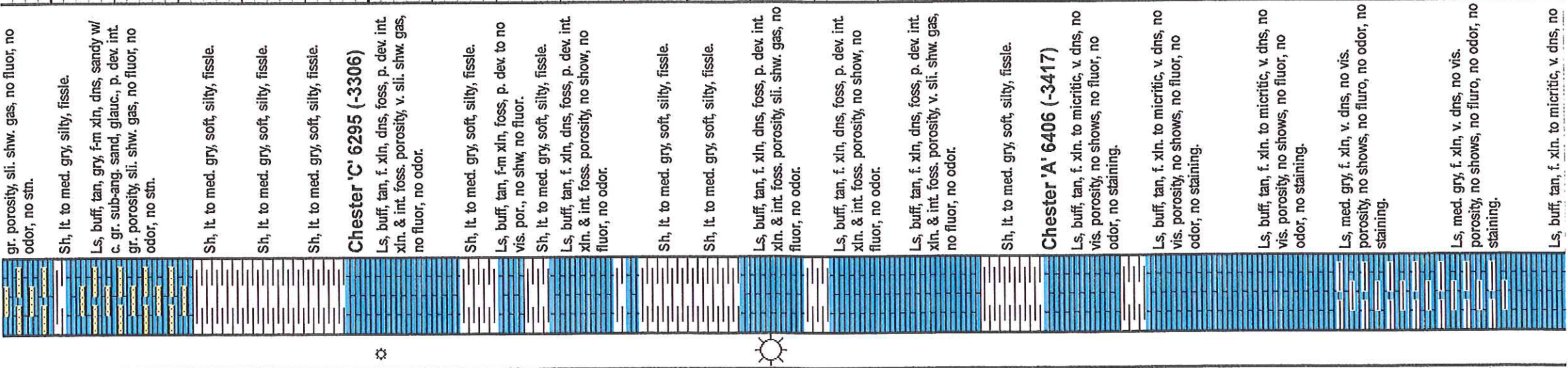
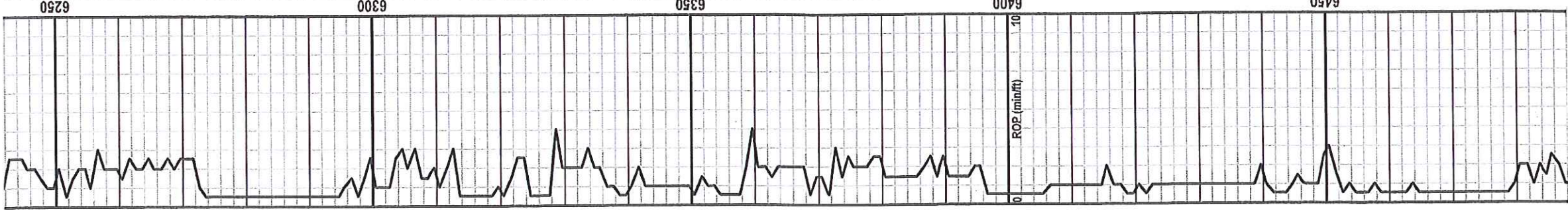
TG inc. 29 units



Sh, med. gry, silty, fissle, tr. pyrite.
 Sh, med. to drk. gry, silty, carb. laminations, fissle blades to blocky, some pyrite.
 Sh, lt. to drk. gry, silty, micaceous, laminated, fissle.
 Sh, med. gry, silty, fissle, tr. pyrite.
 Sh, med. to drk. gry, silty, carb. laminations, fissle blades to blocky, some pyrite.
 Sh, lt. to drk. gry, silty, micaceous, laminated, fissle.
 Ls, tan, brn, gry, f. xln, v. dns, no vis. porosity, no shows, no fluor.
 Sh, med. gry, silty, fissle, tr. pyrite.
 Sh, med. to drk. gry, silty, carb. laminations, fissle blades to blocky, some pyrite.
 Sh, lt. to drk. gry, silty, micaceous, laminated, fissle.
 Sh, med. gry, silty, fissle, tr. pyrite.
 Ls, tan, brn, gry, f. xln, v. dns, no vis. porosity, no shows, no fluor.
 Sh, med. to drk. gry, silty, fissle blades to blocky, some pyrite.
 Sh, lt. to drk. gry, silty, micaceous, laminated, fissle.
 Sh, med. gry, silty, fissle, tr. pyrite.
 Sh, med. to drk. gry, silty, fissle blades to blocky, some pyrite.
 Ls, tan, brn, gry, f. xln, v. dns, no vis. porosity, no shows, no fluor.
 Sh, med. gry, silty, fissle, tr. pyrite.
 Sh, med. to drk. gry, silty, fissle blades to blocky, some pyrite.
 Ls, tan, brn, gry, f. xln, v. dns, no vis. porosity, no shows, no fluor.
 Sh, med. gry, silty, fissle, tr. pyrite.
 Sh, med. to drk. gry, silty, fissle blades to blocky, some pyrite.
 Ls, tan, brn, gry, f. xln, v. dns, no vis. porosity, no shows, no fluor.
 Sh, med. to drk. gry, silty, fissle blades to blocky, some pyrite.

Vis. 48
 Wt. 9.1
 LCM 6#

L. Mrw. Lm 6234 (-3245)
 Ls. buff. tan. arv. f-m xln. dns. sandy wl.



gr. porosity, sli. shw. gas, no fluor, no odor, no stn.

Sh, lt. to med. gry, silty, fissle.

Ls, buff, tan, gry, f-m xln, dns, sandy w/ c. gr. sub-ang. sand, glauc., p. dev. int. gr. porosity, sli. shw. gas, no fluor, no odor, no stn.

Sh, lt. to med. gry, soft, silty, fissle.

Sh, lt. to med. gry, soft, silty, fissle.

Sh, lt. to med. gry, soft, silty, fissle.

Chester 'C' 6295 (-3306)
Ls, buff, tan, f. xln, dns, foss, p. dev. int. xln. & int. foss. porosity, v. sli. shw. gas, no fluor, no odor.

Sh, lt. to med. gry, soft, silty, fissle.

Ls, buff, tan, f-m xln, foss, p. dev. to no vis. por., no shw, no fluor.

Sh, lt. to med. gry, soft, silty, fissle.

Ls, buff, tan, f. xln, dns, foss, p. dev. int. xln. & int. foss. porosity, no show, no fluor, no odor.

Sh, lt. to med. gry, soft, silty, fissle.

Sh, lt. to med. gry, soft, silty, fissle.

Ls, buff, tan, f. xln, dns, foss, p. dev. int. xln. & int. foss. porosity, sli. shw. gas, no fluor, no odor.

Ls, buff, tan, f. xln, dns, foss, p. dev. int. xln. & int. foss. porosity, no show, no fluor, no odor.

Ls, buff, tan, f. xln, dns, foss, p. dev. int. xln. & int. foss. porosity, v. sli. shw. gas, no fluor, no odor.

Sh, lt. to med. gry, soft, silty, fissle.

Chester 'A' 6406 (-3417)
Ls, buff, tan, f. xln. to micritic, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.

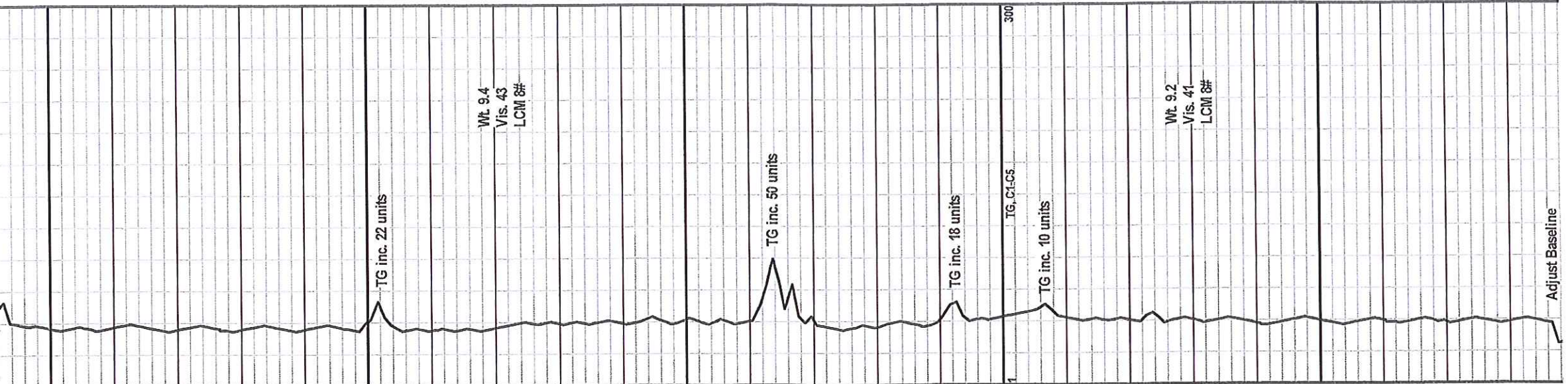
Ls, buff, tan, f. xln. to micritic, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, tan, f. xln. to micritic, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, med. gry, f. xln, v. dns, no vis. porosity, no shows, no fluoro, no odor, no staining.

Ls, med. gry, f. xln, v. dns, no vis. porosity, no shows, no fluoro, no odor, no staining.

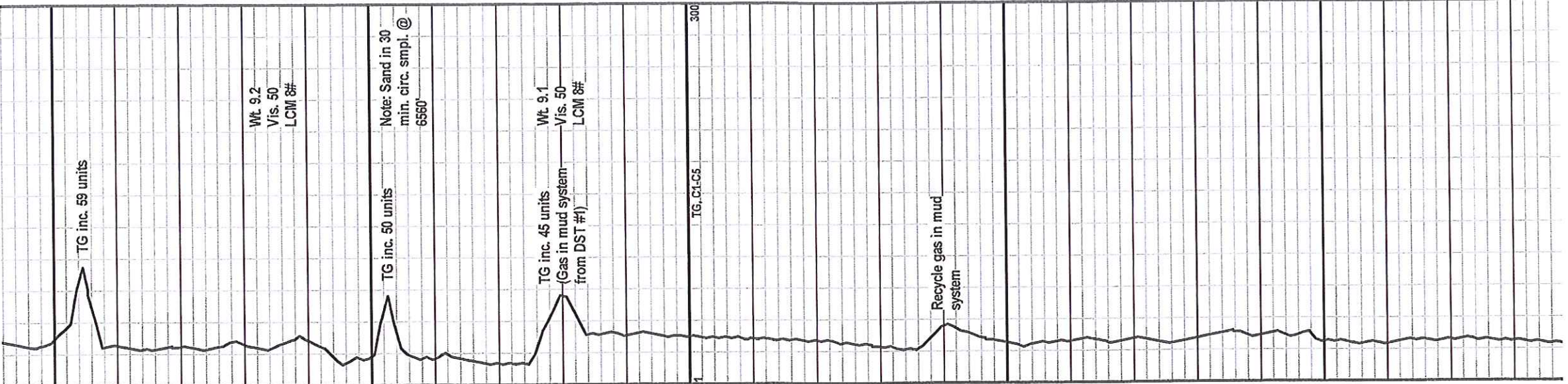
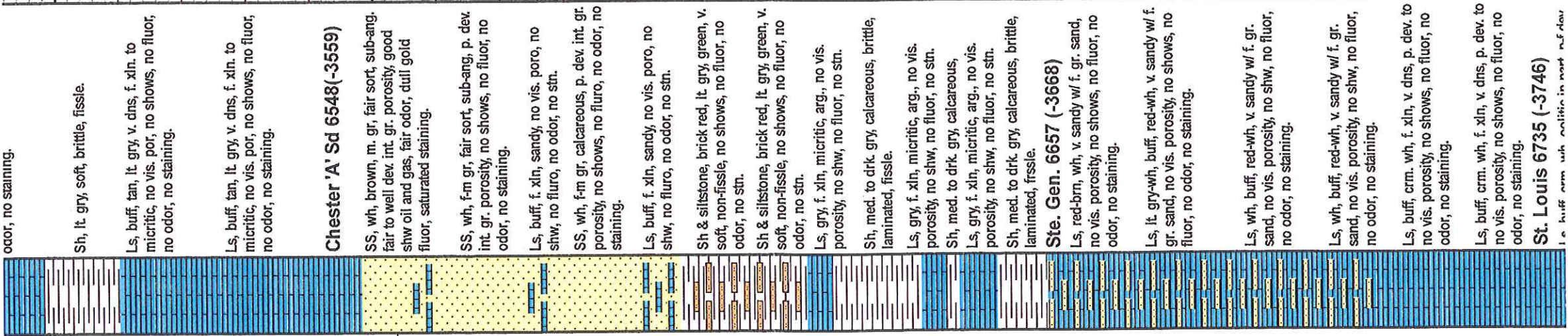
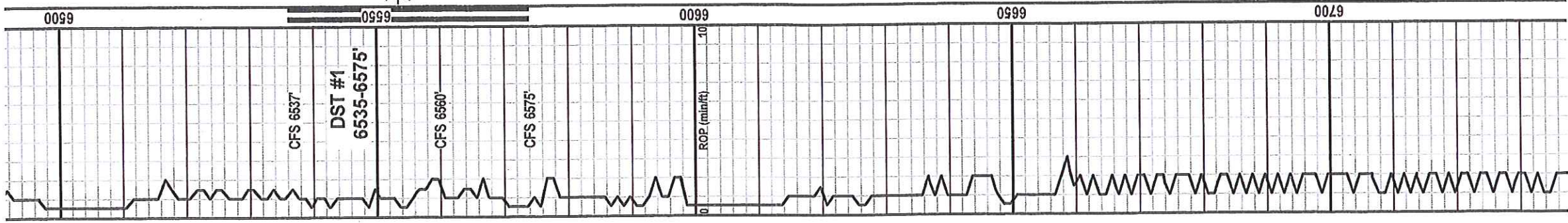
Ls, buff, tan, f. xln. to micritic, v. dns, no



Wt. 9.4
Vis. 43
LCM 8#

Wt. 9.2
Vis. 41
LCM 8#

Adjust Baseline



odor, no staining.

Sh, lt. gry, soft, brittle, fissile.

Ls, buff, tan, lt. gry, v. dns, f. xln. to micritic, no vis. por, no shows, no fluor, no odor, no staining.

Ls, buff, tan, lt. gry, v. dns, f. xln. to micritic, no vis. por, no shows, no fluor, no odor, no staining.

Chester 'A' Sd 6548(-3559)

SS, wh, brown, m. gr, fair sort, sub-ang. fair to well dev. int. gr. porosity, good shw oil and gas, fair odor, dull gold fluor, saturated staining.

SS, wh, f-m gr, fair sort, sub-ang, p. dev. int. gr. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, f. xln, sandy, no vis. poro, no shw, no fluo, no odor, no stn.

SS, wh, f-m gr, calcareous, p. dev. int. gr. porosity, no shows, no fluoro, no odor, no staining.

Ls, buff, f. xln, sandy, no vis. poro, no shw, no fluoro, no odor, no stn.

Sh & siltstone, brick red, lt. gry, green, v. soft, non-fissile, no shows, no fluor, no odor, no stn.

Sh & siltstone, brick red, lt. gry, green, v. soft, non-fissile, no shows, no fluor, no odor, no stn.

Ls, gry, f. xln, micritic, arg., no vis. porosity, no shw, no fluor, no stn.

Sh, med. to drk. gry, calcareous, brittle, laminated, fissile.

Ls, gry, f. xln, micritic, arg., no vis. porosity, no shw, no fluor, no stn.

Sh, med. to drk. gry, calcareous, Ls, red-brn, wh, v. sandy w/ f. gr. sand, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. gry-wh, buff, red-wh, v. sandy w/ f. gr. sand, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, wh, buff, red-wh, v. sandy w/ f. gr. sand, no vis. porosity, no shw, no fluor, no odor, no staining.

Ls, wh, buff, red-wh, v. sandy w/ f. gr. sand, no vis. porosity, no shw, no fluor, no odor, no staining.

Ls, buff, crm. wh, f. xln, v. dns, p. dev. to no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, crm. wh, f. xln, v. dns, p. dev. to no vis. porosity, no shows, no fluor, no odor, no staining.

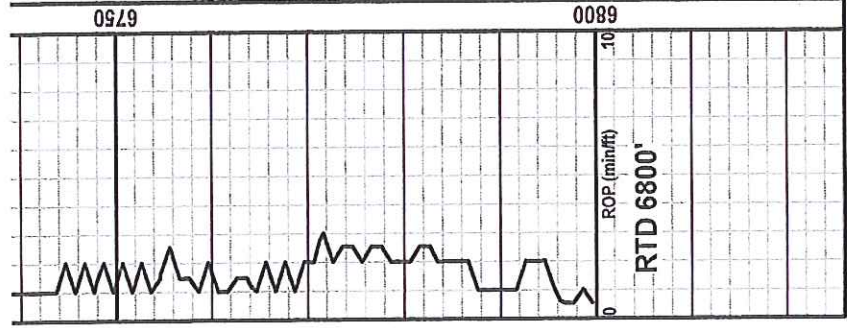
St. Louis 6735 (-3746)

Ls, buff, crm. wh, calcitic in part & fluor

Wt. 9.2
Vis. 50
LCM 8#

Note: Sand in 30 min. circ. simpl. @ 6560

Wt. 9.1
Vis. 50
LCM 8#



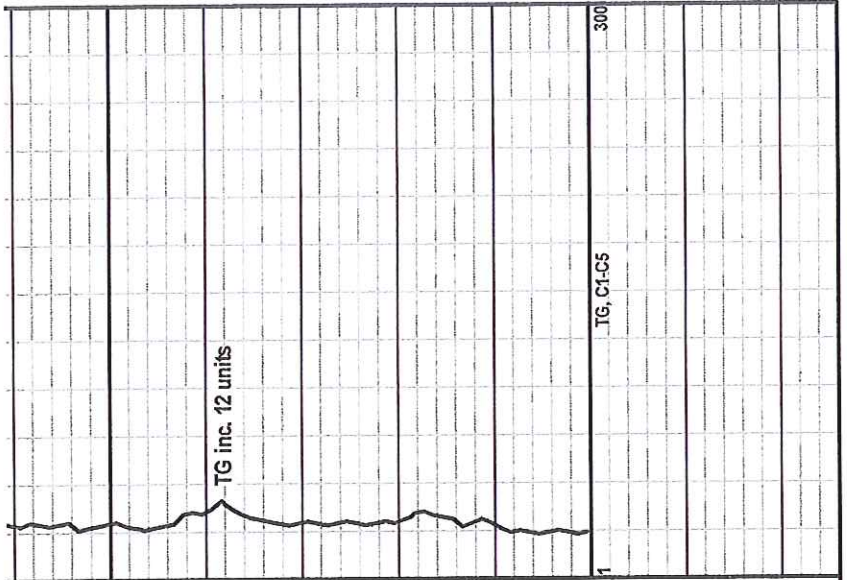
int. xln. porosity, no shows, no fluor, no odor, no staining.

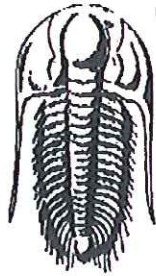
Ls, lt gry. f. xln, w/ abdt. small oolites, no vis. porosity, no shw, no fluor, no odor, no staining.

Ls, crm. wh, buff, f-m xln, oolitic, p-f dev. int. foss. & int. xln. porosity, no shows, no fluoro, no odor, no staining.

Ls, buff, f. gr. abdt. small oolites, no vis. porosity, no shows, no fluor, no odor, no staining, w/ fresh sharp chert

Ls, crm. wh, buff, f-m xln, chalky, v. oolitic, fair to well dev. int. foss & int. xln. porosity, no shows, no fluor, no odor, no staining.





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Midwestern Exploration Co.**

3500 S. BLVD STE25
Edmond, OK 73013

ATTN: Tom Williams

Mary #2-10

10-35s-35w Stevens,KS

Start Date: 2011.11.20 @ 17:25:51

End Date: 2011.11.21 @ 06:01:21

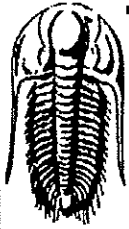
Job Ticket #: 42312 DST #: 1

Midwestern Exploration Co. 10-35s-35w Stevens,KS Mary #2-10 DST # 1 Chester A 2011.11.20

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

ORIGINAL

Printed: 2011.11.23 @ 15:53:57



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Midwestern Exploration Co.

10-35s-35w Stevens,KS

3500 S. BLVD STE25
Edmond, OK 73013

Mary #2-10

Job Ticket: 42312

DST#: 1

ATTN: Tom Williams

Test Start: 2011.11.20 @ 17:25:51

GENERAL INFORMATION:

Formation: **Chester A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:11:21

Time Test Ended: 06:01:21

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Slemp

Unit No: 53

Interval: 6535.00 ft (KB) To 6575.00 ft (KB) (TVD)

Reference Elevations: 2989.00 ft (KB)

Total Depth: 6575.00 ft (KB) (TVD)

2977.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8677

Inside

Press@RunDepth: 123.01 psig @ 6537.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.20

End Date: 2011.11.21

Last Calib.: 2011.11.21

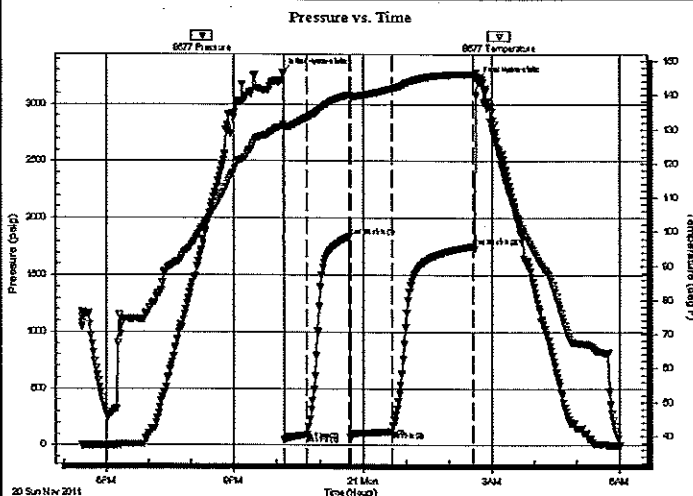
Start Time: 17:25:52

End Time: 06:01:21

Time On Btm: 2011.11.20 @ 22:07:51

Time Off Btm: 2011.11.21 @ 02:39:06

TEST COMMENT: IF- BOB in 3 min
IS- No blow back
FF- BOB ASAO GTS at Shut in
FS- No blow back



PRESSURE SUMMARY

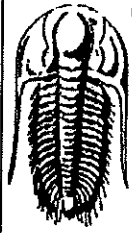
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3278.58	130.95	Initial Hydro-static
4	48.75	130.91	Open To Flow (1)
34	90.42	133.33	Shut-In(1)
93	1839.50	140.12	End Shut-In(1)
95	71.62	139.53	Open To Flow (2)
153	123.01	141.93	Shut-In(2)
266	1753.64	146.14	End Shut-In(2)
272	3209.12	145.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	GMCO 20%gas75%oil5%mud	1.40

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Midwestern Exploration Co.

10-35s-35w Stevens,KS

3500 S. BLVD STE25
Edmond, OK 73013

Mary #2-10

Job Ticket: 42312

DST#: 1

ATTN: Tom Williams

Test Start: 2011.11.20 @ 17:25:51

Tool Information

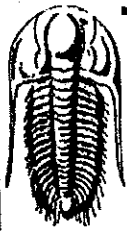
Drill Pipe:	Length: 6238.00 ft	Diameter: 3.80 inches	Volume: 87.50 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Full Loose: 110000.0 lb
			<u>Total Volume: 88.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 92000.00 lb
Depth to Top Packer:	6535.00 ft			Final 93000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			6514.00	
Hydraulic tool	5.00			6519.00	
Jars	5.00			6524.00	
Safety Joint	2.00			6526.00	
Packer	5.00			6531.00	26.00 Bottom Of Top Packer
Packer	4.00			6535.00	
Stubb	1.00			6536.00	
Perforations	1.00			6537.00	
Recorder	0.00	8678	Inside	6537.00	
Recorder	0.00	8677	Inside	6537.00	
Perforations	35.00			6572.00	
Bullnose	3.00			6575.00	40.00 Bottom Packers & Anchor

Total Tool Length: 66.00



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Midwestern Exploration Co.

10-35s-35w Stevens, KS

3500 S. BLVD STE25
Edmond, OK 73013

Mary #2-10

Job Ticket: 42312

DST#: 1

ATTN: Tom Williams

Test Start: 2011.11.20 @ 17:25:51

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 9.47 in³

Resistivity: ohmm

Salinity: 2200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
280.00	GMCO 20%gas75%oil5%mud	1.395

Total Length: 280.00 ft Total Volume: 1.395 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8677

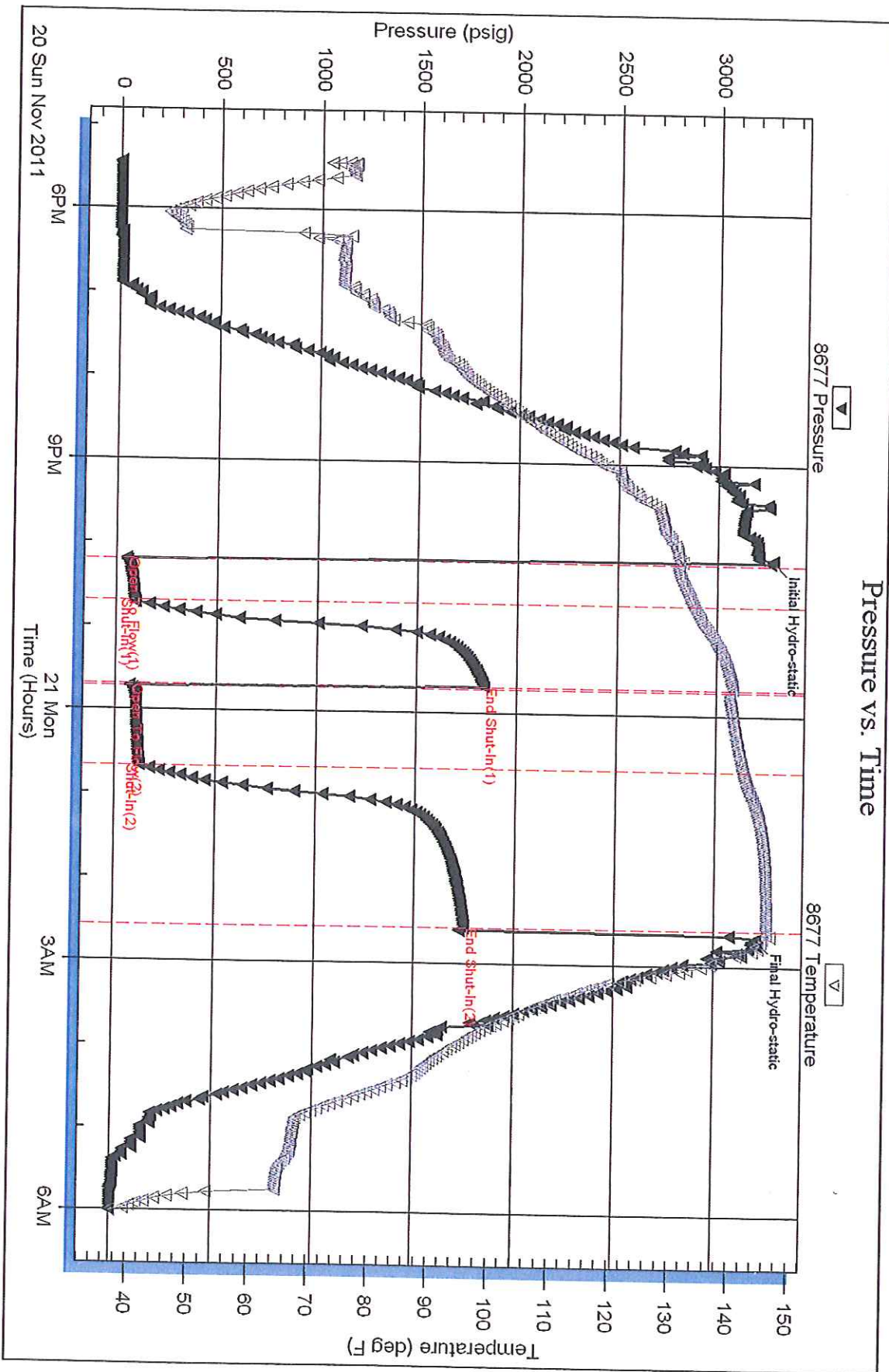
Inside

Mdw eastern Exploration Co.

May #2-10

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 42312

Printed: 2011.11.23 @ 15:53:58

SouthWest Acid Services, LLC

TREATMENT REPORT

Customer <i>MIDWESTERN EXPLORATION</i>		Lease Name <i>MARY B'</i>	
Date <i>12-17-11</i>		Well # <i>2-10</i>	Legal Description <i>70-355-35W</i>
Ticket # <i>2814</i>	Formation <i>CHESTER B' SAND</i>	Casing <i>4 1/2</i>	Tubing <i>2 3/8</i>
Job Type <i>ACID BALLOUT</i>		County & State	
<i>4 1/2</i> Casing Size	<i>2 3/8</i> Pipe Date	<i>6556</i> Perforating Date	<i>78</i> Shots/Ft
Depth	Depth	From	To
Volume	Volume	From	To
Max PSI	Max PSI	From	To
Well Connection	Annulus Volume	From	To
Plug Depth	Packer Depth <i>6505'</i>	From	To
Customer <i>Bully DAWSON</i>		Acid Type <i>7 1/2%</i>	
Treater <i>D'MOZZIS</i>		Fluids Type <i>NEPE</i>	
Driver <i>J DAY</i>		Volume <i>2500</i>	
Truck <i>2-3T</i>		Flush Type <i>Ku</i>	
		Volume <i>5000</i>	
Treatment Resume			
		Rate	Pressure
		Max <i>4.5</i>	<i>2080</i>
		Min <i>2.3</i>	
		Avg <i>4</i>	
		N2 Volume	
		ISIP <i>600</i>	
		5 Min <i>370</i>	
		10 Min <i>285</i>	
		15 Min <i>236</i>	
		Total Load <i>87.6 bbl</i>	

Time	Casing Pressure	Tubing Pressure	Bbl Pumped	Rate	Jog Log
					<i>ON LOCATION</i>
					<i>SAFETY MEETING</i>
<i>835</i>	<i>0</i>		<i>0 bbl</i>		<i>LOAD ANNULUS</i>
<i>900</i>	<i>520</i>		<i>59.2</i>		<i>LOADED</i>
<i>905</i>		<i>25</i>	<i>0 bbl</i>	<i>2</i>	<i>START ACID + TUBING</i>
<i>908</i>		<i>40</i>	<i>10</i>	<i>3.2</i>	<i>START BALU</i>
<i>914</i>		<i>780</i>	<i>25.6</i>	<i>2</i>	<i>HOLE LOADED</i>
<i>915</i>		<i>500</i>	<i>27</i>	<i>2.3</i>	<i>FORMATION BEGINS</i>
		<i>1084</i>	<i>29</i>	<i>3.5</i>	<i>RATE ESTABLISHED</i>
<i>924</i>		<i>1300</i>	<i>61.5</i>	<i>3.3</i>	<i>START FLUSH</i>
<i>925</i>		<i>1710</i>	<i>64</i>	<i>4</i>	<i>INCREASE RATE</i>
<i>931</i>		<i>2080</i>	<i>87.6</i>	<i>4.5</i>	<i>SHUT DOWN - JOB COMPLETE</i>
		<i>600</i>			<i>ISIP</i>
					<i>THANK YOU FOR CALLING</i>
					<i>SOUTHWEST ACID SERVICES</i>
					<i>DICK + JACOBS</i>

Liberal Office Machines

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



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

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

Sam Brownback, Governor

March 26, 2012

Dale J. Lollar, President
Midwestern Exploration Company
3500 S BOULEVARD STE 2B
EDMOND, OK 73013-5487

Re: ACO1
API 15-189-22776-00-00
Mary 'B' 2-10
NW/4 Sec.10-35S-35W
Stevens 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,
Dale J. Lollar, President

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



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March 26, 2012

Dale J. Lollar, President
Midwestern Exploration Company
3500 S BOULEVARD STE 2B
EDMOND, OK 73013-5487

Re: ACO-1
API 15-189-22776-00-00
Mary 'B' 2-10
NW/4 Sec.10-35S-35W
Stevens County, Kansas

Dear Dale J. Lollar, President:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 11/14/2011 and the ACO-1 was received on March 26, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department