



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: _____



1068144

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Midwestern Exploration Company
Well Name	James 2-7
Doc ID	1068144

Tops

Name	Top	Datum
Base/Heebner Shale	4336'	(-1315')
Toronto Lime	4345'	(-1324')
Marmaton	5219'	(-2198')
Cherokee Shale	5592'	(-2571')
Morrow Shale	5940'	(-2919')
Mississippian Chester	6353'	(-3332')
Ste. Genevieve	6640'	(-3619')
St. Louis	6720'	(-3699')

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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	6348-6354'	1200 gal 15% FENE acid	
4	6295-6300'	2000 gal 7 1/2 NEFE Acid	
6	6348-6354'	4000 gal 15% NEFE Acid	
	6348-6354'	Acid Frac with 17500 gal 40 Q N2 Foam	
		Acid & 20,000 gal 40 Q N2 Foam gel, 477	
		total bbls fluid with 378,000 scf N2	

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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	40	Grout	50	
Surface	12.25	8.625	24	1711	Class A Con	400	2% CC
Surface	12.25	8.625	24	1711	Premium	250	
Production	7.875	4.5	10.5	6600	Class AA	150	

MIDWESTERN EXPLORATION COMPANY

James #2-7

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

Well Name: James #2-7
Location: Section 7-T35S-R35W
License Number: API 15-189-22772
Spud Date: 8/2/2011
Surface Coordinates: 830' FNL & 330' FWL
Region: Stevens Co, KS
Drilling Completed: 8/11/2011
Bottom Hole Coordinates: 830' FNL & 330' FWL
Ground Elevation (ft): 3,009' K.B. Elevation (ft): 3,021'
Logged Interval (ft): 4,175' To: 6,800' Total Depth (ft): 6,800'
Formation: Mississippian St. Louis
Type of Drilling Fluid: Chemical

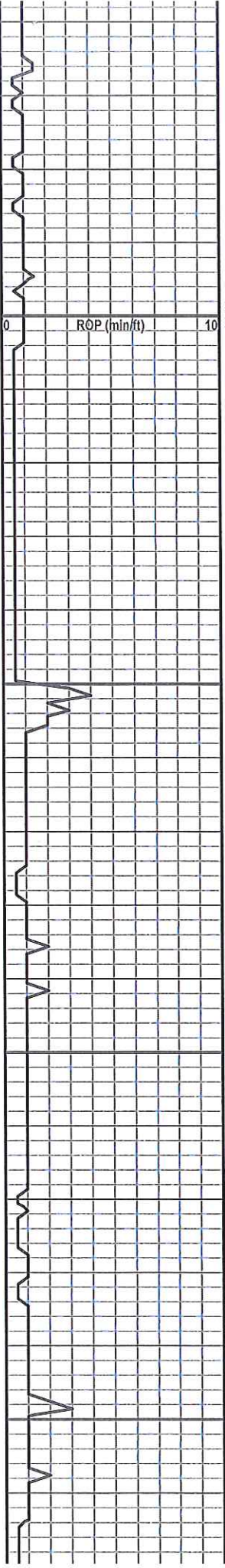
Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

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



4400
4450
4500
4550



to well dev. int. xln. porosity, tan dev. vug. porosity, no shows, dull chalky fluor, no odor, no staining.

Ls, buff, lt. gry, tan, v. dns, f. xln, poorly dev. int. xln. porosity, no shows, no fluor, no odor, no stn.

Ls, buff, lt. gry, tan, v. dns, f. xln, oolitic in part, poorly dev. int. xln. porosity, no shows, dull yellow fluor, no odor, no staining.

Sh, med. gry, calcareous, fissle.

Sh, med. gry, calcareous, non-fiss.

Sh, med. gry, calcareous, fissle.

Sh, med. gry, calcareous, fissle.

Lansing 4450 (-1429)
Ls, buff, tan, f. xln, v. dns, no vis. porosity, no show, no fluor, no stn.

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

Ls, buff, tan, f-m xln, foss., fair to well dev. int. xln, porosity, no shows, no fluor, no odor, no stn.

Ls, crm. wh, buff, tan, f-m xln, dns. to chalky, foss., oolitic, fair dev. int. xln, por., no show, no fluor, no stn.

Ls, crm. wh, buff, tan, f-m xln, dns. to chalky, foss., p-f dev. int. xln, porosity, no show, no fluor, no odor, no stn.

Ls, lt. to med. gry, dns, f. xln, arg., w/ abdt. gry shale, no vis. porosity, no shows, no fluor, no stain.

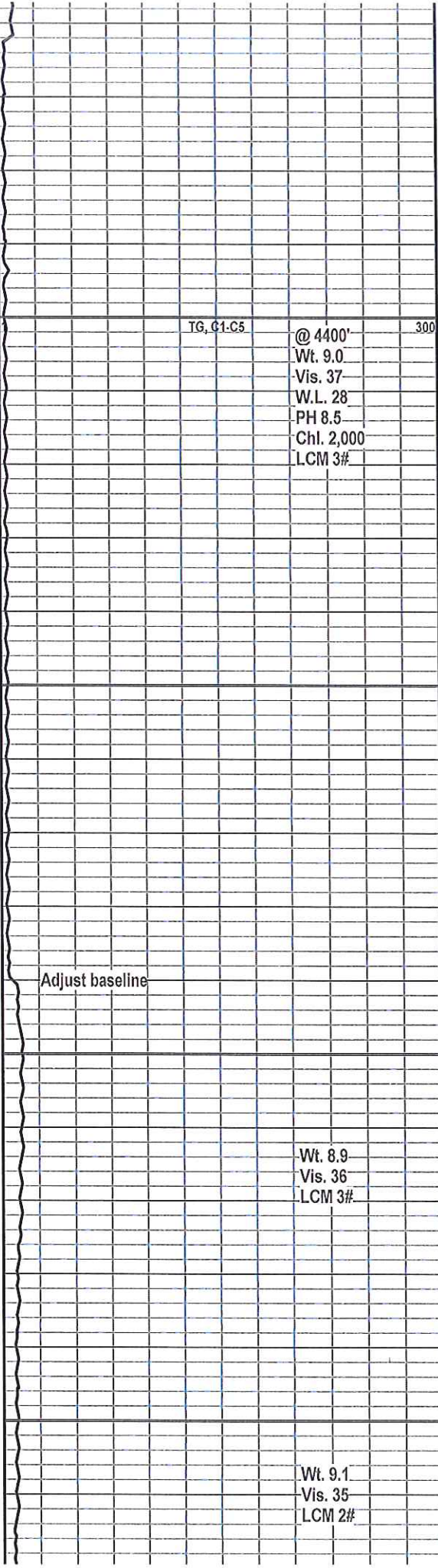
Ls, lt. to med. gry, dns, f. xln, arg., w/ abdt. gry shale, no vis. porosity, no shows, no fluor, no stain.

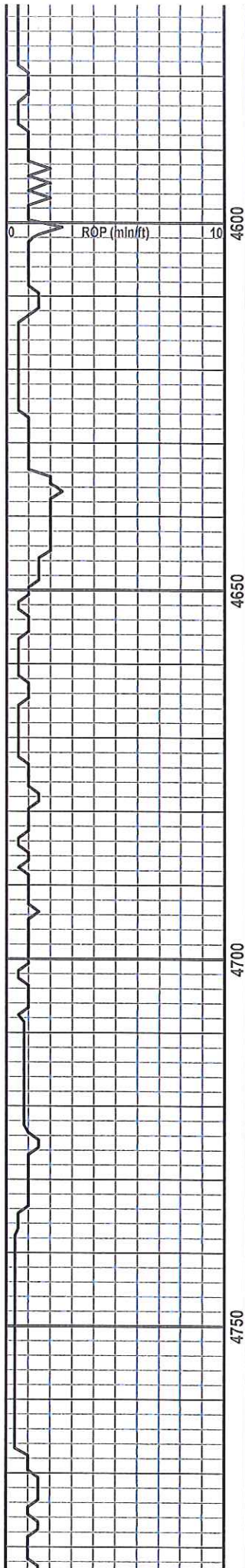
Sh, lt. to med. gry, dns, fissle.

Ls, buff, crm. wh, lt. gry-wh, dns, p. dev. int. xln. porosity, no show, no fluor, no odor, no staining.

Ls, buff, crm. wh, lt. gry-wh, dns, p. dev. int. xln. porosity, no show, no fluor, no odor, no staining.

Ls, buff, tan, brittle, m. xln. w/ c. xln. sparite well dev via & int xln





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

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

Ls, buff, crm. wh, lt. gry-wh, dns, p. dev. int. xln. porosity, no show, no fluor, no odor, no staining.

Ls, tan, buff, v. brittle, f-m xln, foss, oolitic, w/ well dev. int. foss. porosity, no shows, chalky fluor, no odor, no staining.

Ls, tan, buff, v. brittle, chalky, f-m xln, foss, oolitic, w/ fair dev. int. foss. porosity, no shows, chalky fluor, no odor, no staining.

Ls, buff, tan, f-m xln, v. dns, poorly dev. to no vis. porosity, no shows, no fluoro, no odor, no staining.

Ls, tan, buff, v. brittle, chalky, f-m xln, foss, oolitic, w/ well dev. int. foss. porosity, no shows, chalky fluor, no odor, no staining.

Ls, tan, buff, v. brittle, chalky, f-m xln, foss, oolitic, w/ well dev. int. foss. porosity, no shows, chalky fluor, no odor, no staining.

Ls, tan, buff, v. brittle, f-m xln, foss, oolitic, w/ well dev. int. foss. porosity, no shows, chalky fluor, no odor, no staining.

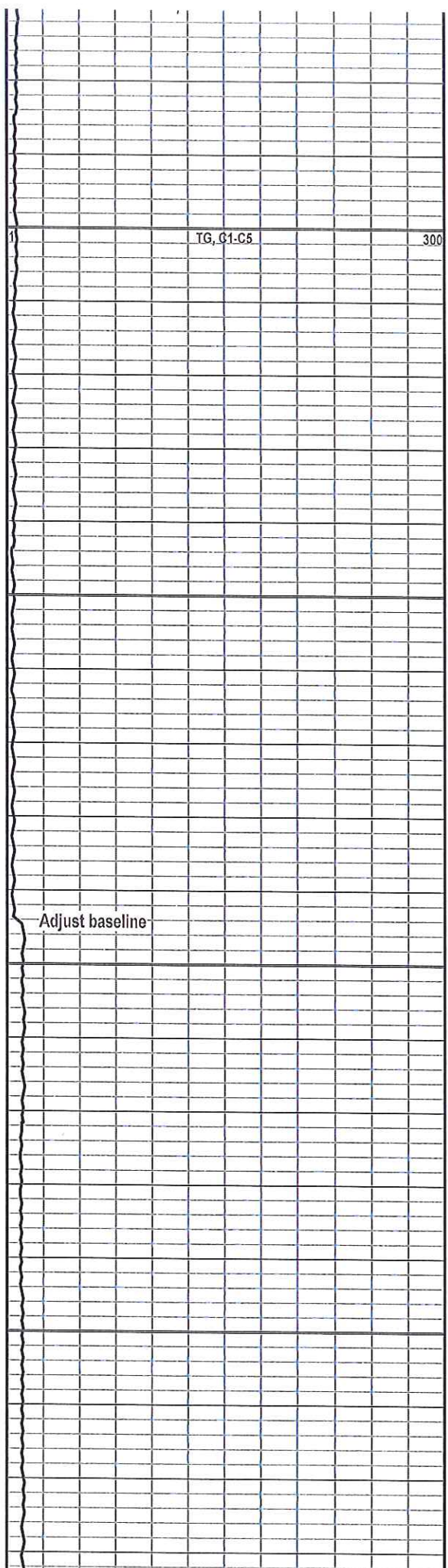
Ls, buff, lt. gry-wh, m-c xln, dns. to chalky, fair to well dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining.

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

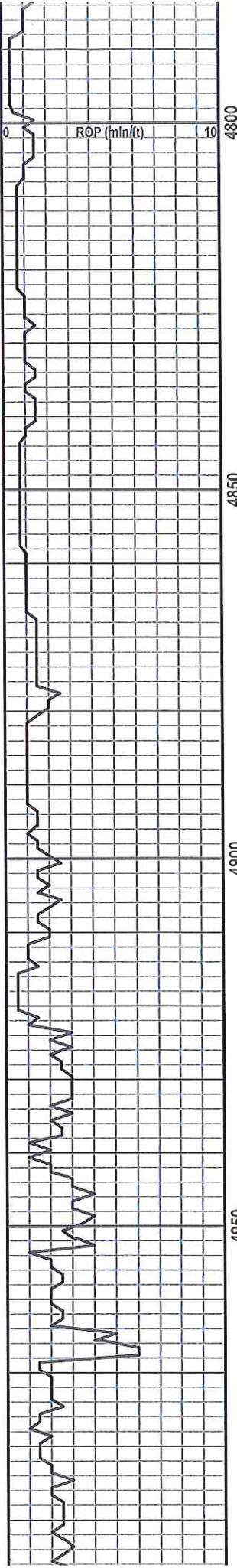
Ls, buff, lt. gry-wh, m-c xln, dns. to chalky, fair to well dev. int. xln. & vug. porosity, no shows, no fluor, no odor, no staining.

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

Ls, buff, lt. gry-wh, m-c xln, dns. to chalky, fair to well dev. int. xln. & vug. porosity, no shows, chalky fluor, no odor, no staining.



Kansas City 4784 (-1763)



4800

4850

4900

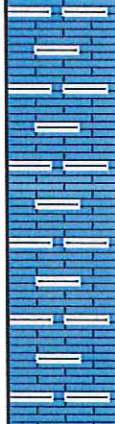
4950

Ls, buff, lt. gry-wh, m-c xln, dns. to chalky, fair to well dev. int. xln. & vug. porosity, no shows, chalky fluor, no odor, no staining.

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

Ls, buff, tan, f-m xln, granular, dns. to chalky, fair dev. int. xin. porosity, no shows, no fluor, no odor, no staining.

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



Ls, buff, tan, f-m xln, granular, dns. to chalky, fair dev. int. xin. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, tan, f-m xln, granular, dns. to chalky, fair dev. int. xin. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. to med. gry, dns, f. xln, arg., w/ abdt. gry shale, no vis. porosity, no shows, no fluor, no stain.

Ls, tan, lt. gry, f. xln, dns, poorly dev. to no vis. porosity, arg. in part, no shows, no fluor, no odor, no staining.

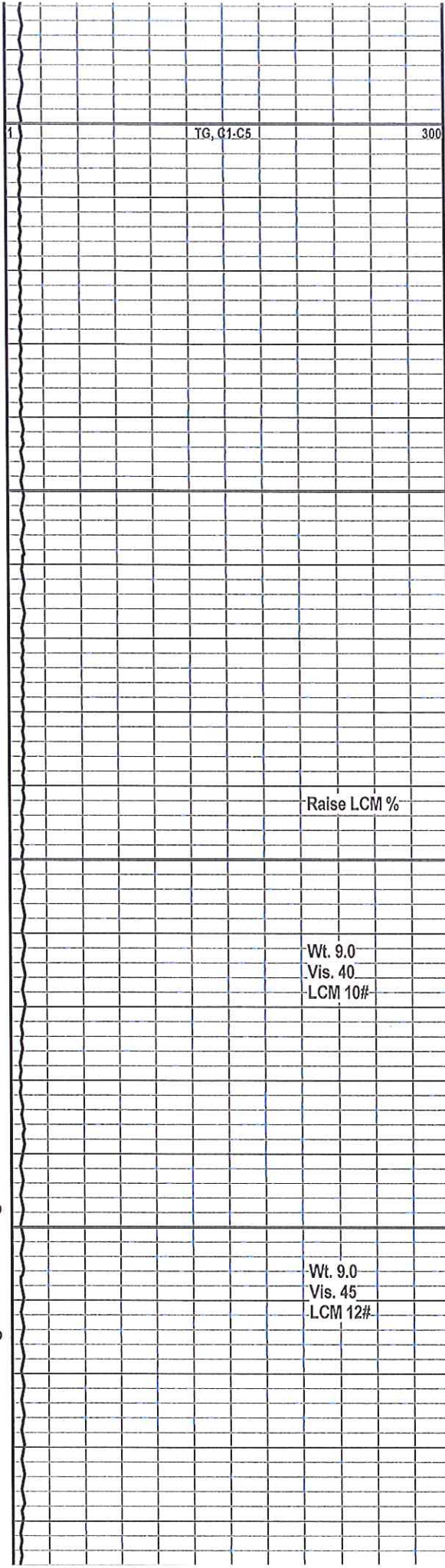
Ls, buff, tan, f-m xln, granular, dns. to chalky, fair dev. int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, lt. to med. gry, dns, arg., w/ lt. to med. gry. sh. poorly dev. int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, tan, lt. gry, f. xln, dns, poorly dev. to no vis. porosity, arg. in part, no shows, no fluor, no odor, no staining.

Ls, tan, lt. gry, f. xln, dns, poorly dev. to no vis. porosity, arg. in part, no shows, no fluor, no odor, no staining.

Ls, lt. gry-wh, tan, buff, mottled, f-m xln, granular, v. dns, poorly dev. to no vis. porosity, no shows, no fluor, no odor, no staining.



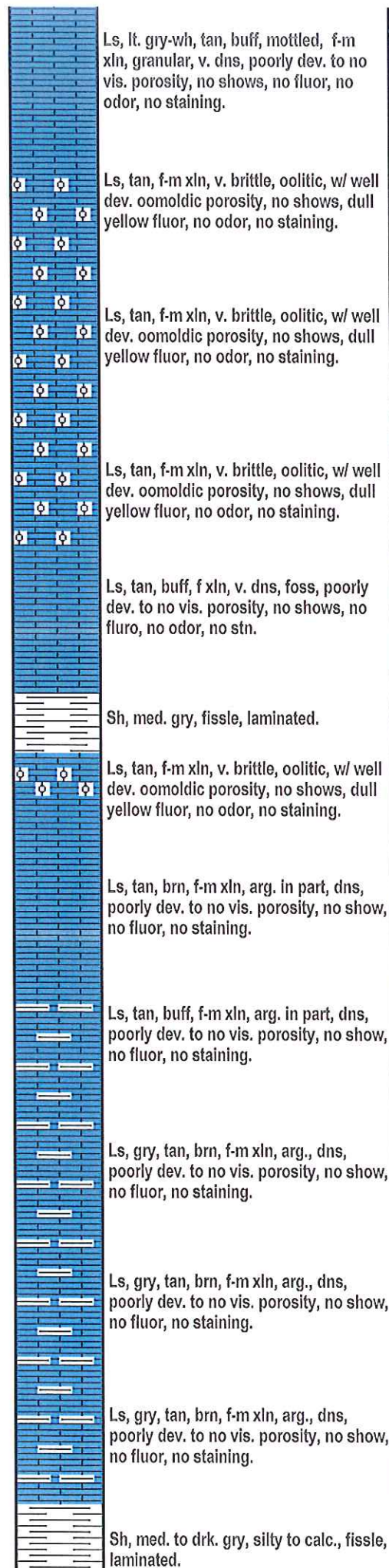
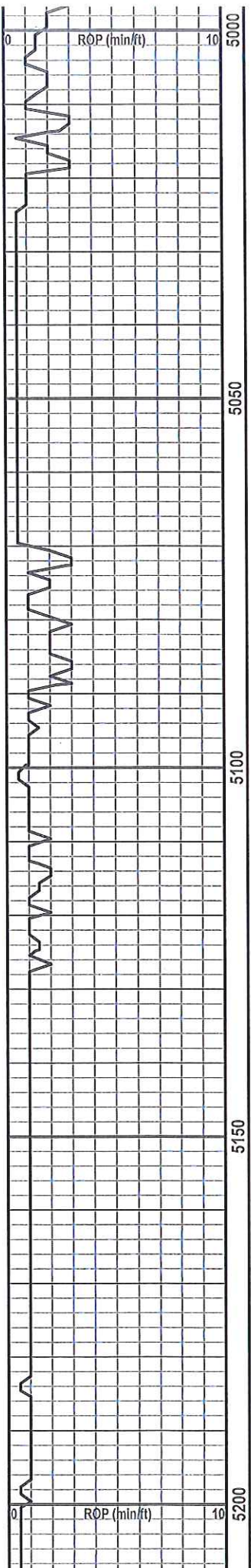
TG, G1-C5

300

Raise LCM %

Wt. 9.0
Vis. 40
LCM 10#

Wt. 9.0
Vis. 45
LCM 12#



TG, G1-C5	300
Wt. 9.0 Vis. 39 LCM 10#	
5016' CFS 30" Trip to 2500'	
TG inc. 8 units	
TG inc. 8 units	
TG inc. 12 units	
@ 5173' survey 3/4 degree	
TG, G1-C5	300

Marmaton 5219 (-2198)

Ls, tan, gry, f-m xln, dns, p. dev. int. xln. porosity, no shows, no fluoro, no odor, no staining.

Ls, buff, tan, f-m xln, dns, p-f dev. int. xln. porosity, no shows, no fluoro, no odor, no staining.

Ls, buff, crm. wh, v. brittle, oolitic, w/ well dev. oomoldic porosity, no shows, dull chalky fluor, no odor. no staining.

Ls, buff, tan, f-m xln, dns, p-f dev. int. xln. porosity, no shows, no fluoro, no odor, no staining.

Sh, med. to drk. gry, silty to calc., fissue, laminated.

Ls, med. to drk. gry, arg. & shaley, f. xln, granular, no vis. porosity, no shows, no fluor, no odor, no stn.

Ls, med. to drk. gry, arg. & shaley, f. xln, granular, no vis. porosity, no shows, no fluor, no odor, no stn.

Ls, crm. wh, buff, v. chalky, f. xln, fair dev. int. xln. porosity, no shows, dull chalky fluor, no odor.

Ls, crm. wh, buff, v. chalky, f. xln, fair dev. int. xln. porosity, no shows, dull chalky fluor, no odor.

Ls, crm. wh, buff, v. chalky, f. xln, fair dev. int. xln. porosity, no shows, dull chalky fluor, no odor.

Ls, buff, tan, brn, f xln, v. dns, poorly dev. to no vis. porosity, no show, no fluor, no staining.

Ls, buff, tan, brn, f xln, v. dns, poorly dev. to no vis. porosity, no show, no fluor, no staining.

Ls, buff, tan, brn, f xln, v. dns, poorly dev. to no vis. porosity, no show, no fluor, no staining.

Ls, buff, tan, mottled gry, oolitic, f-m xln, fair dev. int. foss. & int. xln. porosity, no shows, no fluoro, no odor., no staining.

@ 5267'
Wt. 9.1
Vis. 44
W.L. 11
P.H. 11.0
Chl. 1,400
LCM 6#

TG, C1-C5

300

5250

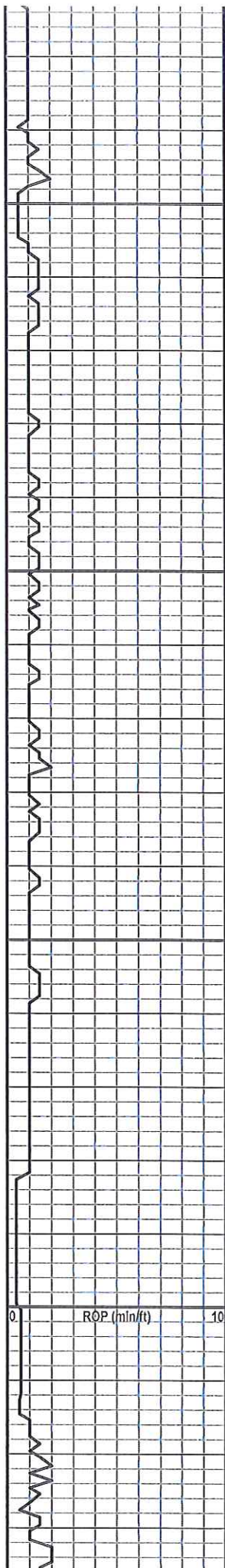
5300

5350

5400

ROP (min/ft)

10



5450
5500
5550
5600



Ls, buff, tan, f-m xln, granular, dns. to chalky, fair dev. int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, crm. wh, buff, v. chalky, f. xln, fair dev. int. xln. porosity, no shows, dull chalky fluor, no odor.

Ls, crm. wh, buff, v. chalky, f. xln, fair dev. int. xln. porosity, no shows, dull chalky fluor, no odor.

Sh, black, carb., bleeding gas.

Ls, buff, tan, f-m xln, granular, dns. to chalky, fair dev. int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, tan, f-m xln, granular, dns. to chalky, fair dev. int. xln. 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, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no stn.

Ls, med. gry, f. xln, v. dns, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no stn.

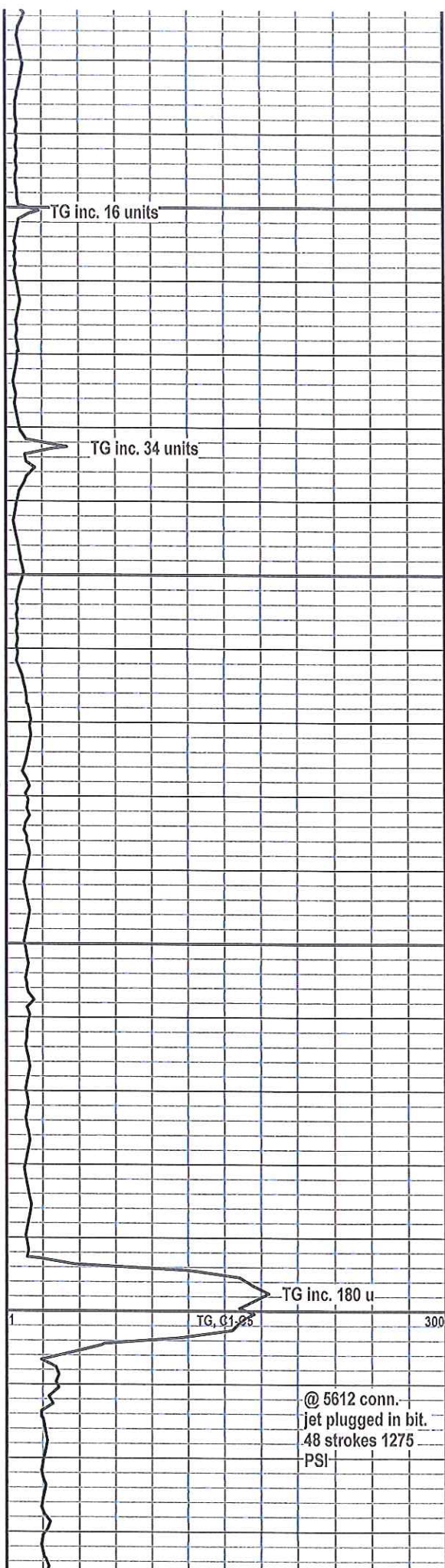
Ls, med. gry, f. xln, v. dns, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no stn.

Cherokee Sh 5592 (-2571)

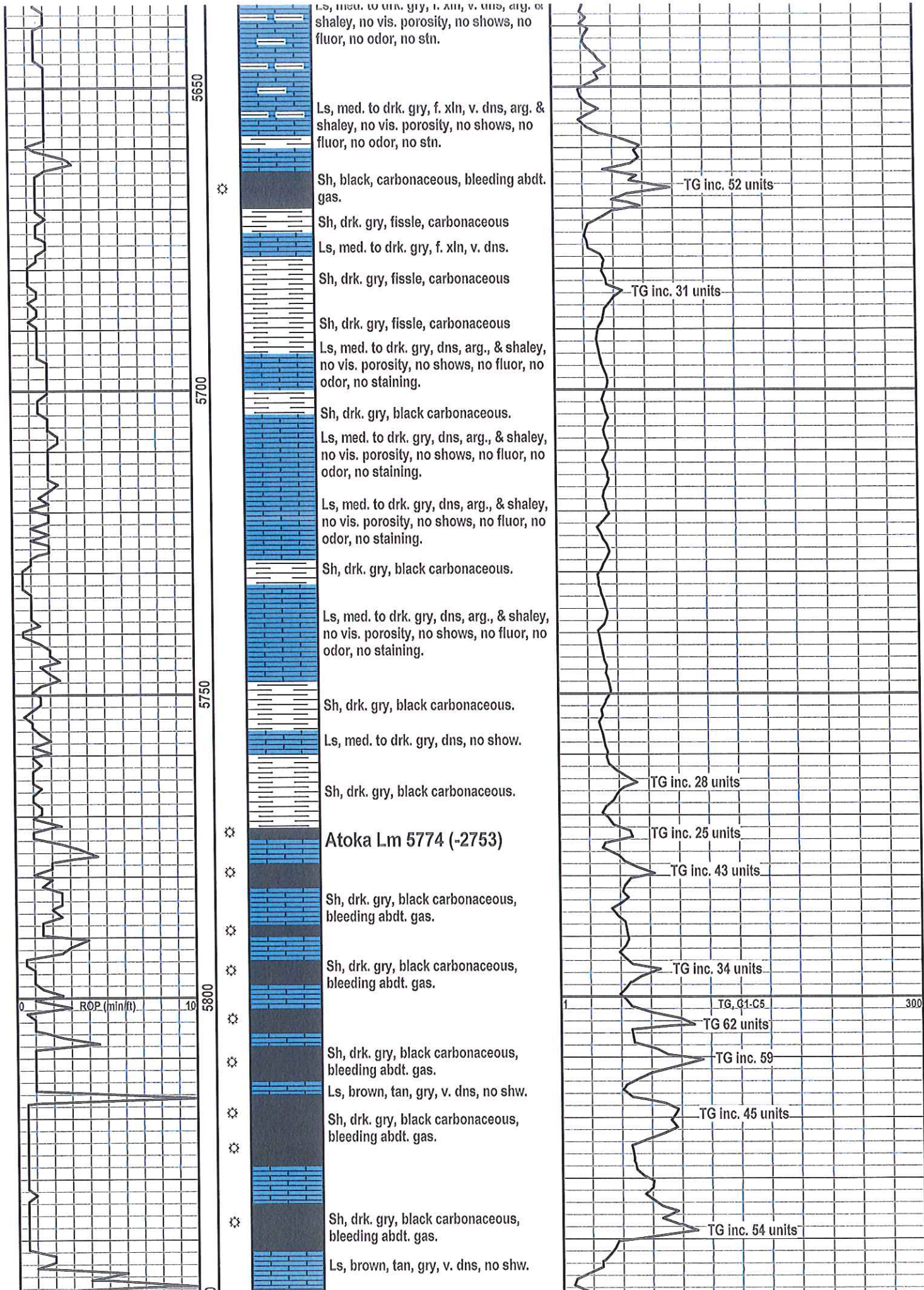
Sh, black, carbonaceous, bleeding abdt. gas.

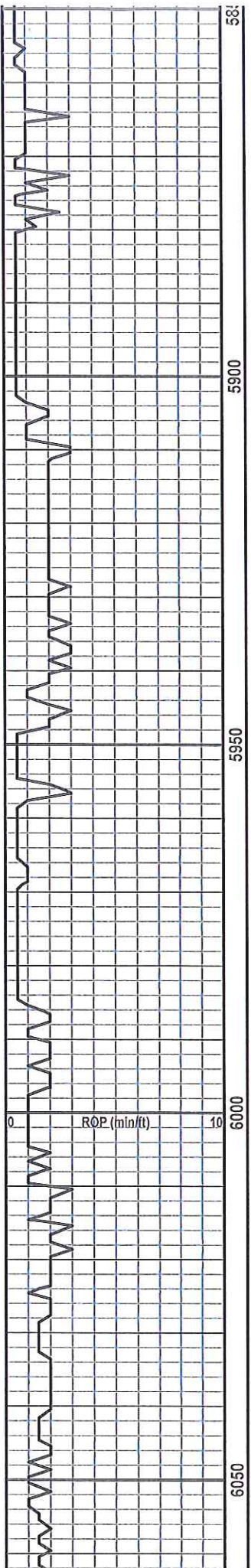
Ls, med. to drk. gry, f. xln, v. dns, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no stn.

Ls, med. to drk. gry, f. xln, v. dns, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no stn.



@ 5612 conn.
jet plugged in bit.
48 strokes 1275
PSI





5880 Sh, drk. gry, black carbonaceous, bleeding abdt. gas.

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

Ls, brown, tan, gry, v. dns, no shw.

Ls, brown, tan, gry, v. dns, no shw.

Sh, drk. gry, black carbonaceous, bleeding abdt. gas.

Sh, drk. gry, black carbonaceous, bleeding abdt. gas.

5900

L. Atoka Lm 5903 (-2882)

Ls, lt. gry-wh, tan, f. xln, micritic, dns. to chalky, tr. chert, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. gry-wh, tan, f. xln, micritic, dns. to chalky, tr. chert, no vis. porosity, no shows, no fluor, no odor, no staining.

Morrow Sh 5940 (-2919)

Sh, drk. gry, black carbonaceous.

Ls, lt. to med. gry, v. dns, no shw.

Sh, drk. gry, black carbonaceous.

Ls, lt. to med. gry, v. dns, no shw.

Sh, drk. gry, black carbonaceous.

Sh & siltstone, tan, gry, poorly dev. to no vis. porosity, no shows, no fluor, no odor, no staining.

Sh & siltstone, tan, gry, poorly dev. to no vis. porosity, no shows, no fluor, no odor, no staining.

Sh, lt. to med. gry, silty, micaceous, fissle, abdt. pyrite.

Sh, lt. gry, silty, laminated, fissle.

Sh, lt. to med. gry, silty, micaceous, fissle, abdt. pyrite.

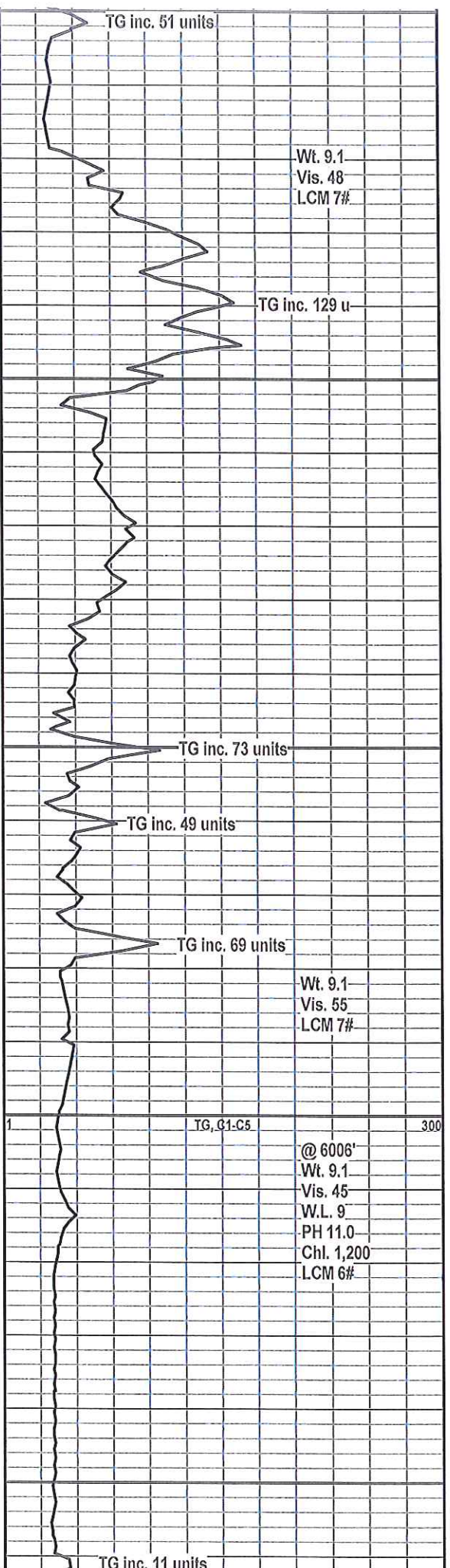
Sh, lt. gry, silty, laminated, fissle.

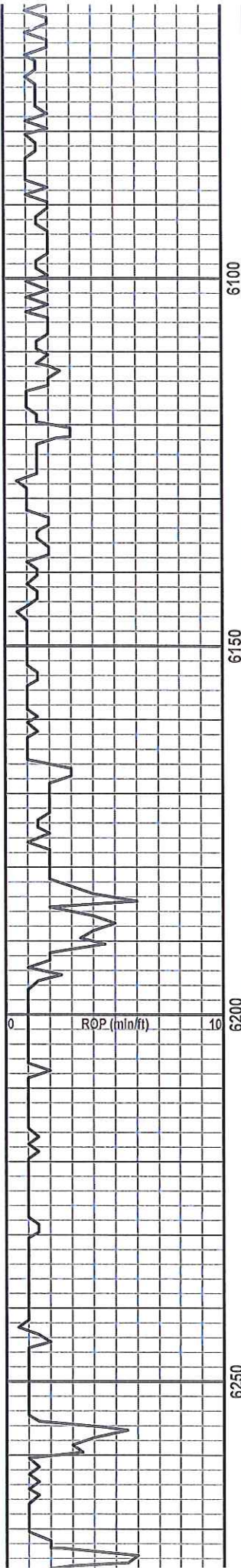
Sh, lt. to med. gry, silty, micaceous, fissle, abdt. pyrite.

6000

Sh, lt. to med. gry, silty, micaceous, fissle, some pyrite

6050



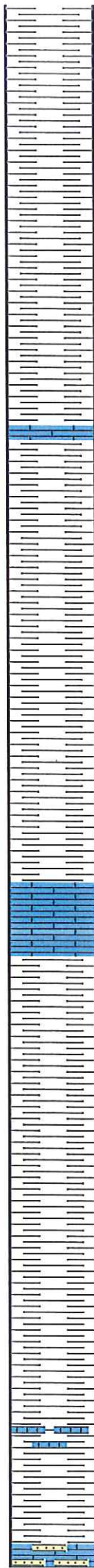


6100

6150

6200

6250



Sh med. gry, fissle, laminated.

Sh, lt. to med. gry, silty, micaceous, fissle, some pyrite.

Sh med. gry, fissle, laminated.

Sh, med. to drk. gry, fissle, with trace of pyrite.

Ls, tan, f. xln, micritic, v. dns, no vis. porosity, no show, no fluor.

Sh med. gry, fissle, laminated.

Sh, med. to drk. gry, fissle, with trace of pyrite.

Sh med. gry, fissle, laminated.

Sh, med. to drk. gry, fissle, with trace of pyrite.

Ls, lt. to med. gry, f. xln, micritic, v. dns, no vis. porosity, no shows.

Sh lt.-med. gry, fissle, laminated.

Sh, med. to drk. gry, fissle, with trace of pyrite.

Sh lt.-med. gry, fissle, laminated.

Sh, med. to drk. gry, fissle, with trace of pyrite.

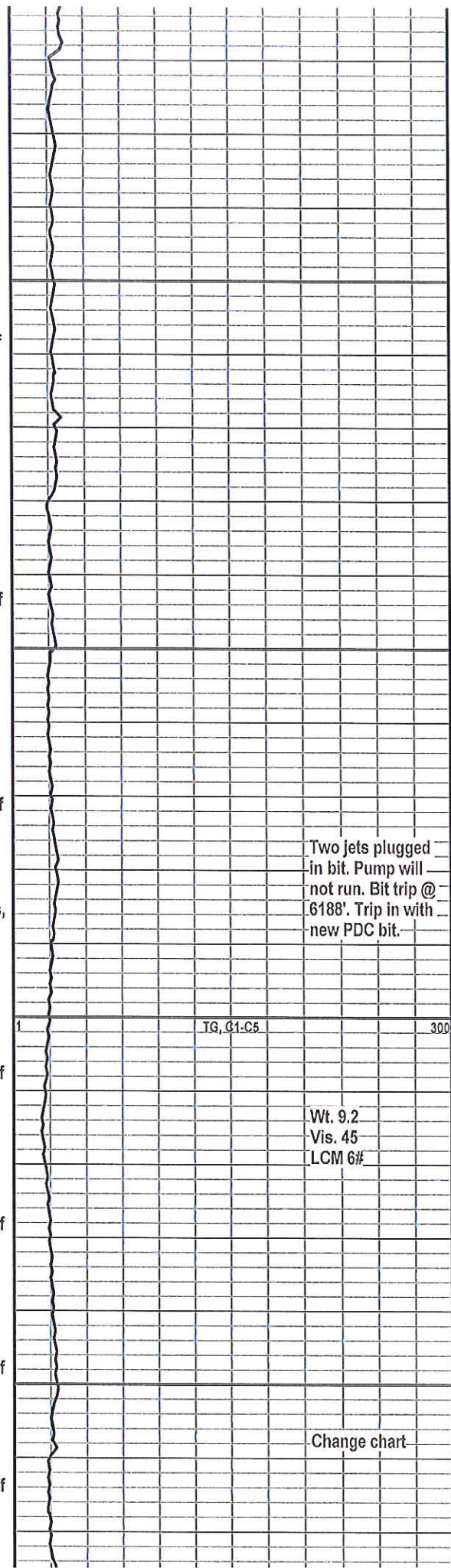
Sh lt.-med. gry, fissle, laminated.

Sh, med. to drk. gry, fissle, with trace of pyrite.

Sh lt.-med. gry, fissle, laminated.

Sh, med. to drk. gry, fissle, with trace of pyrite.

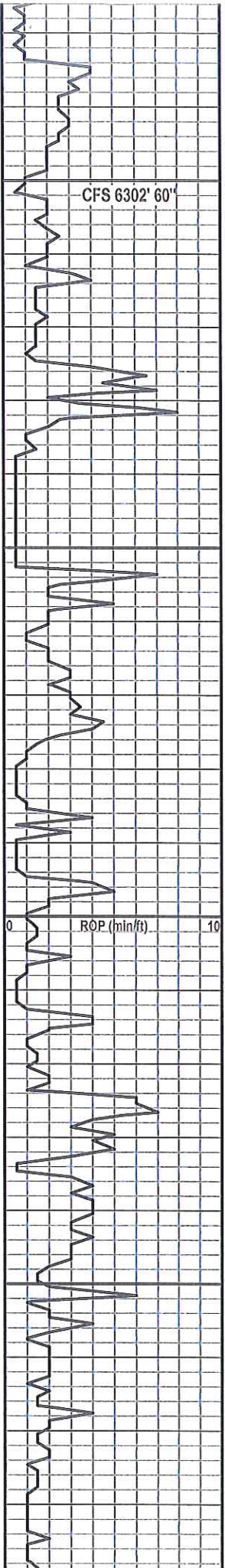
Ls, buff, c. xln, v. dns, glauc., with v.c sand grains. no vis. porositv. no show.



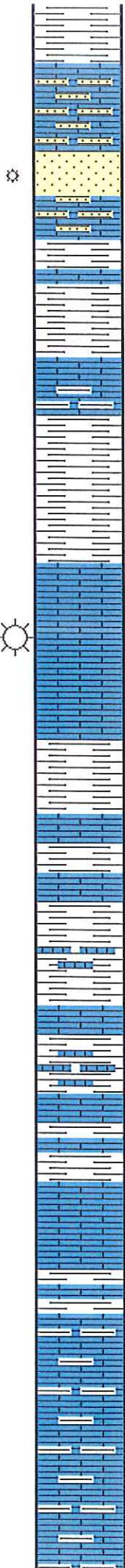
Two jets plugged in bit. Pump will not run. Bit trip @ 6188'. Trip in with new PDC bit.

Wt. 9.2
Vis. 45
LCM 6#

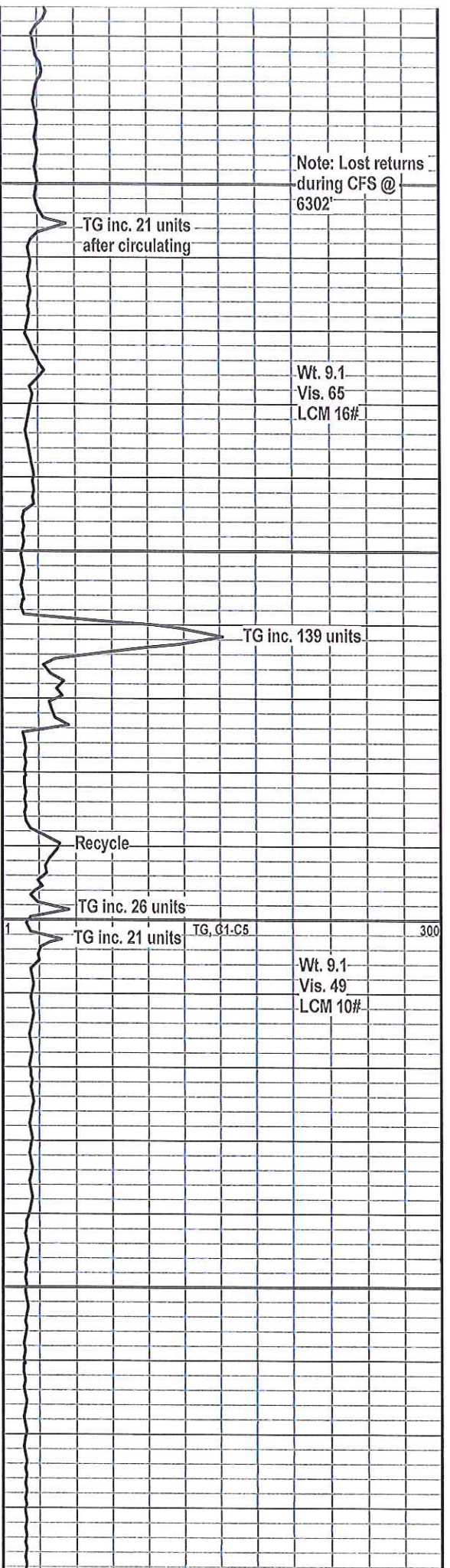
Change chart

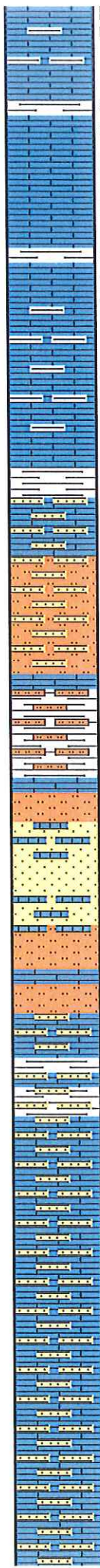
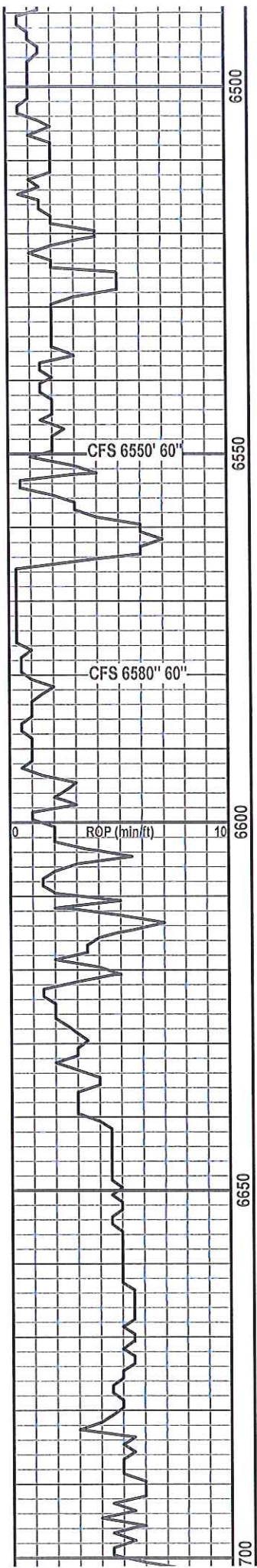


6300
6350
6400
6450



no fluor, no odor, no stn.
 Sh lt.-med. gry, fissle, laminated.
L. Mrw. Lm 6284 (-3263)
 Ls, buff, c. xln, v. dns, glauc., with v.c sand grains, no vis. porosity, no show, no fluor, no odor, no stn.
 SS, wh, lt. gry, med. gr., sub-rd, well dev. int. gr. porosity, v. sli. shw gas, no fluor, no odor, no stn.
 Sh lt.-med. gry, fissle, laminated.
 Ls, buff, tan, f. xln, no vis. porosity
 Sh lt.-med. gry, fissle, laminated.
 Ls, buff, tan, v. dns, f. xln, foss, no vis. porosity, no show, no fluor.
 Sh lt. gry, soft, fissle, laminated.
 Sh lt. gry, soft, fissle, laminated.
Chester 'C' 6353 (-3332)
 Ls, buff, crm-wh, m. xln, v. foss, pell, well dev. int. foss. porosity, good shows of gas, med. gold fluor, sli. odor, no staining.
 Ls, buff, tan, f. xln, v. dns, no vis. porosity, no shows, no fluor, no odor, no staining.
 Sh lt. gry, soft, fissle, laminated.
 Ls, buff, tan, f. xln, v. dns, no vis. por., no shw, no fluor, no staining.
 Sh lt. gry, soft, fissle, laminated.
 Ls, buff, tan, f. xln, v. dns, no vis. por., no shw, no fluor, no staining.
 Sh lt. gry, soft, fissle, laminated.
Chester 'B' 6413 (-3392)
 Ls, buff, tan, f. xln, v. dns, no vis. por., no shw, no fluor, no staining.
 Sh lt. gry, soft, fissle, laminated.
 Ls, buff, tan, f. xln, v. dns, no vis. por., no shw, no fluor, no staining.
 Sh, lt. gry, fissle to non-fissle.
 Ls, buff, tan, f. xln, v. dns, no vis. por., no shw, no fluor, no odor, no stn.
 Sh, lt. gry, fissle to non-fissle.
 Sh, lt. gry, fissle to non-fissle.
 Ls, lt. gry, f. xln, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no staining, /w gry. shale.
 Ls, lt. gry, f. xln, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no staining, /w gry. shale.
 Ls, lt. gry, f. xln, arg. & shaley, no vis.





porosity, no snows, no fluor, no odor, no staining, /w gry. shale.

Sh, drk. gry to black, brittle, fissle.
Chester 'A' 6507 (-3486)
Ls, buff, green, f. xln. to micritic, v. dns, no vis. porosity, no shows, no fluor., no odor, no staining.

Sh, drk. gry to black, brittle, fissle.
Ls, buff, f. xln. to micritic, v. dns, no vis. porosity, no show, no fluor.

Ls, lt. gry, f. xln, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no staining, /w gry. shale.

Sh, lt. gry, fissle to non-fissle.
Ls, buff, f. xln, w/ f. gr. sd, no vis. por., no show, no fluor, no stain.

Siltstone, tan, gry, sandy to shaley, w/ f-m gr. sand, sli. shw. gas, no shw. oil, no fluor, no odor, no stn.

Sh. & Siltstone, tan, red, brown, gry, no shows, no fluor, no odor, no staining.

Siltstone, brick- red, brown, no show, no fluor, no odor, no stn.

SS, green, f-m gr, fair sort, sub-rd, poorly dev. int. gr. por., no shows, no fluor, no odor, no staining.

Siltstone, brick- red, brown, no show, no fluor, no odor, no stn.

Siltstone, brick- red, brown, no show, no fluor, no odor, no stn.

Ls, red-brown, sandy w/ f. gr. sand, no vis. porosity, no shows, no fluor, no odor, no staining.

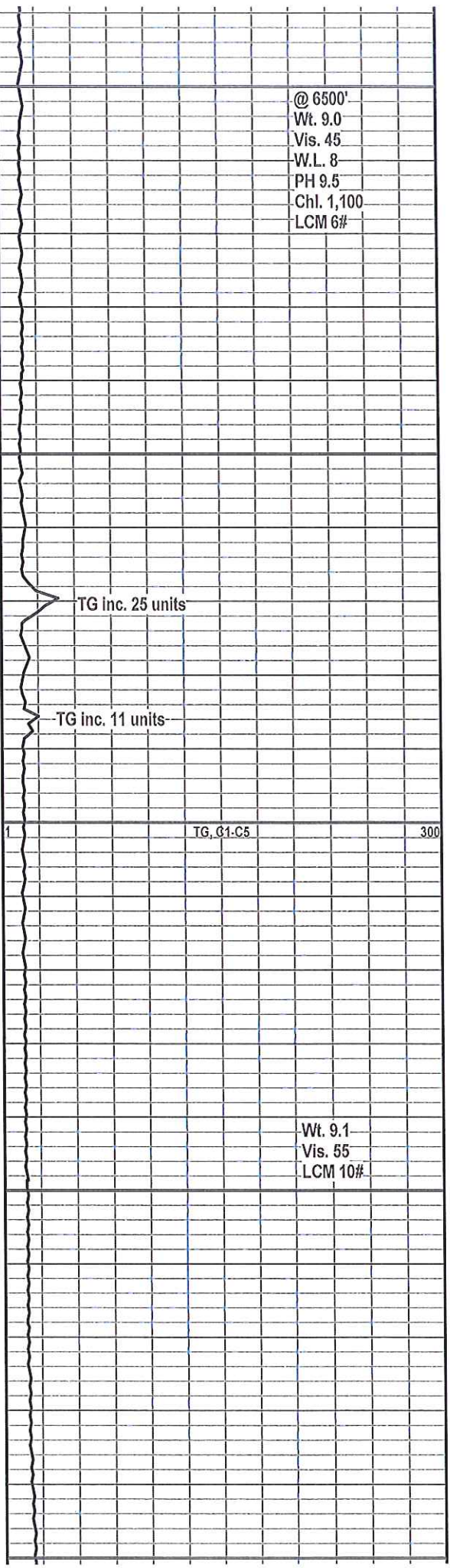
Sh, gry, dns, fissle, silty to sandy.
Ste. Gen 6640 (-3619)
Ls, red-brown, sandy w/ f. gr. sand, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, buff-wh, red-brown, sandy w/ f. gr. sand, no vis. porosity, no shows, no fluor, no odor, no stn.

Ls, buff, tan, f. xln, v. sandy w/ f. gr. sand, no vis. porosity, no shows, no fluoro, no odor, no staining.

Ls, buff, tan, f. xln, v. sandy w/ f. gr. sand, no vis. porosity, no shows, no fluoro, no odor, no staining.

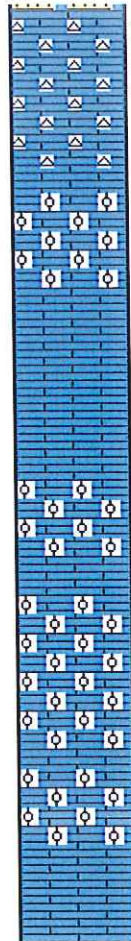
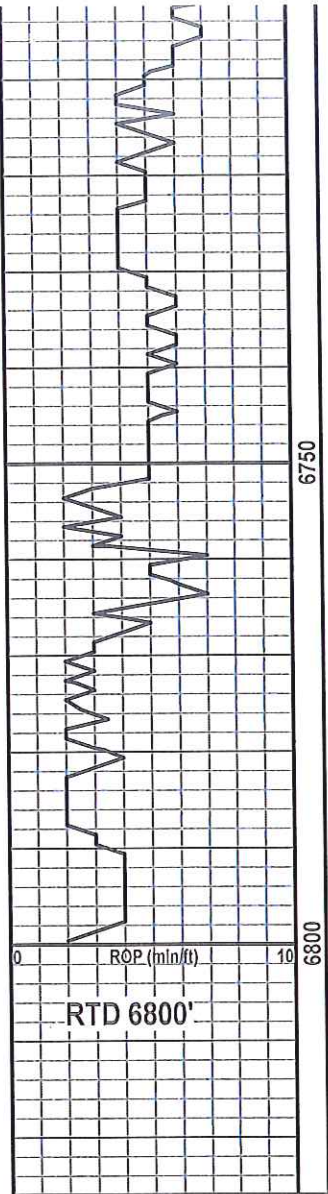
Ls, buff, tan, f. xln, v. sandy w/ f. gr. sand, no vis. porosity, no shows, no fluoro, no odor, no staining.



@ 6500'
Wt. 9.0
Vis. 45
W.L. 8
PH 9.5
Chl. 1,100
LCM 6#

TG, C1-C5 300

Wt. 9.1
Vis. 55
LCM 10#



Ls, buff, tan, f. xln, micritic, w/ fresh chert, poorly dev. to no vis. porosity, no shows, no fluoro, no odor, no staining.

St. Louis 6720 (-3699)

Ls, wh, buff, f. xln. to micritic, oolitic & pell., p. dev. to no vis. por., no shw, no fluoro, no odor, no stn.

Ls, lt. gry, buff, f. xln. to micritic, v. dns, no vis. porosity, no shows, no fluoro, no odor, no staining.

Ls, lt. gry, buff, f. xln. to micritic, v. dns, no vis. porosity, no shows, no fluoro, no odor, no staining.

Ls, wh, buff, f. xln. foss., oolitic & pell., fair dev. int. xln. & vug. por., no shw, no fluoro, no odor, no stn.

Ls, crm. wh, buff, f-m xln, foss., oolitic & pell., dns. to chalky, tr. fresh chert, fair dev. int. xln. & vug. porosity, no shows, no fluoro, no odor, no staining.

Ls, crm. wh, buff, f-m xln, foss., oolitic & pell., dns. to chalky, tr. fresh chert, fair dev. int. xln. & vug. porosity, no shows, no fluoro, no odor, no staining.

Ls, buff, f. xln, v. dns, no vis. por., no shows, no fluoro, no staining.

Wt. 9.1
Vis. 50
LCM 8#

Wt. 9.0
Vis. 52
LCM 4#

TG, C1-C5

300

RTD 6800'

ALLIED CEMENTING CO., LLC. 036528

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
LIBERAL, KS

DATE <u>8-12-11</u>	SEC <u>7</u>	DVP <u>35</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30 Am</u>	JOB FINISH <u>8:30 Pm</u>
LEASE <u>JAMES</u>		WELL# <u>2-7</u>	LOCATION <u>LIBERAL, KS Wm 2nd ST</u>			COUNTY	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>			to CA 22 S + E side				

CONTRACTOR <u>DUKE & Co</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>4 1/2 Long String</u>	
HOLE SIZE <u>7 1/2</u> T.D. <u>6603</u>	CEMENT
CASING SIZE <u>4 1/2 10.5#</u> DEPTH <u>6603</u>	AMOUNT ORDERED <u>100 A</u>
TUBING SIZE DEPTH <u>150 SK ASC, 5" OOK SEAL</u>	<u>5% FC/60</u>
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON <u>A 100SK @ 16.25 1625.00</u>
MEAS. LINE SHOE JOINT <u>42.18'</u>	POZMIX @
CEMENT LEFT IN CSG. <u>42.18'</u>	GEL @
PERFS.	CHLORIDE @
DISPLACEMENT <u>104.3 BBL</u>	ASC <u>150 SK @ 21.25 3187.50</u>
EQUIPMENT	<u>GL SOLAR 750LB @ .89 667.50</u>

PUMP TRUCK CEMENTER <u>BOB</u>	<u>GL SOLAR 750LB @ .89 667.50</u>
# <u>372</u> HELPER <u>CEASAR</u>	<u>MUD FLUSH 500gal @ 1.27 633.00</u>
BULK TRUCK	<u>FL-160 71LBS @ 17.20 1221.20</u>
# <u>457-251</u> DRIVER <u>RUBIN</u>	
BULK TRUCK	
# DRIVER	HANDLING <u>267 @ 2.45 654.15</u>
	MILEAGE <u>SK/mi x 11 min 394.00</u>
	TOTAL <u>8286.95</u>

REMARKS:

Thank You

SERVICE

DEPTH OF JOB <u>6603'</u>	
PUMP TRUCK CHARGE <u>3175.00</u>	
EXTRA FOOTAGE @	
MILEAGE <u>20 @ 7.00 140.00</u>	
MANIFOLD + Head @ <u>200 200.00</u>	
LT UEL mi @ <u>400 80.00</u>	
	TOTAL <u>3595.00</u>

CHARGE TO: MIDWESTERN Exp
STREET 3500 S Blvd Ste 2 B
CITY Edmond STATE OKLA ZIP 73013

PLUG & FLOAT EQUIPMENT

<u>4 1/2</u>	
<u>10- CENTRALizers @ 41 400.00</u>	
<u>AFU SHOE @ 327.00</u>	
<u>LATCH DOWN @ 233.00</u>	
<u>BASKET @ 270.00</u>	
	TOTAL <u>1310.00</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 Billy Daugherty
SIGNATURE Billy Daugherty

SALES TAX (If Any) _____
TOTAL CHARGES 13185.95
DISCOUNT 1912.39 IF PAID IN 30 DAYS
11,273.56

