

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

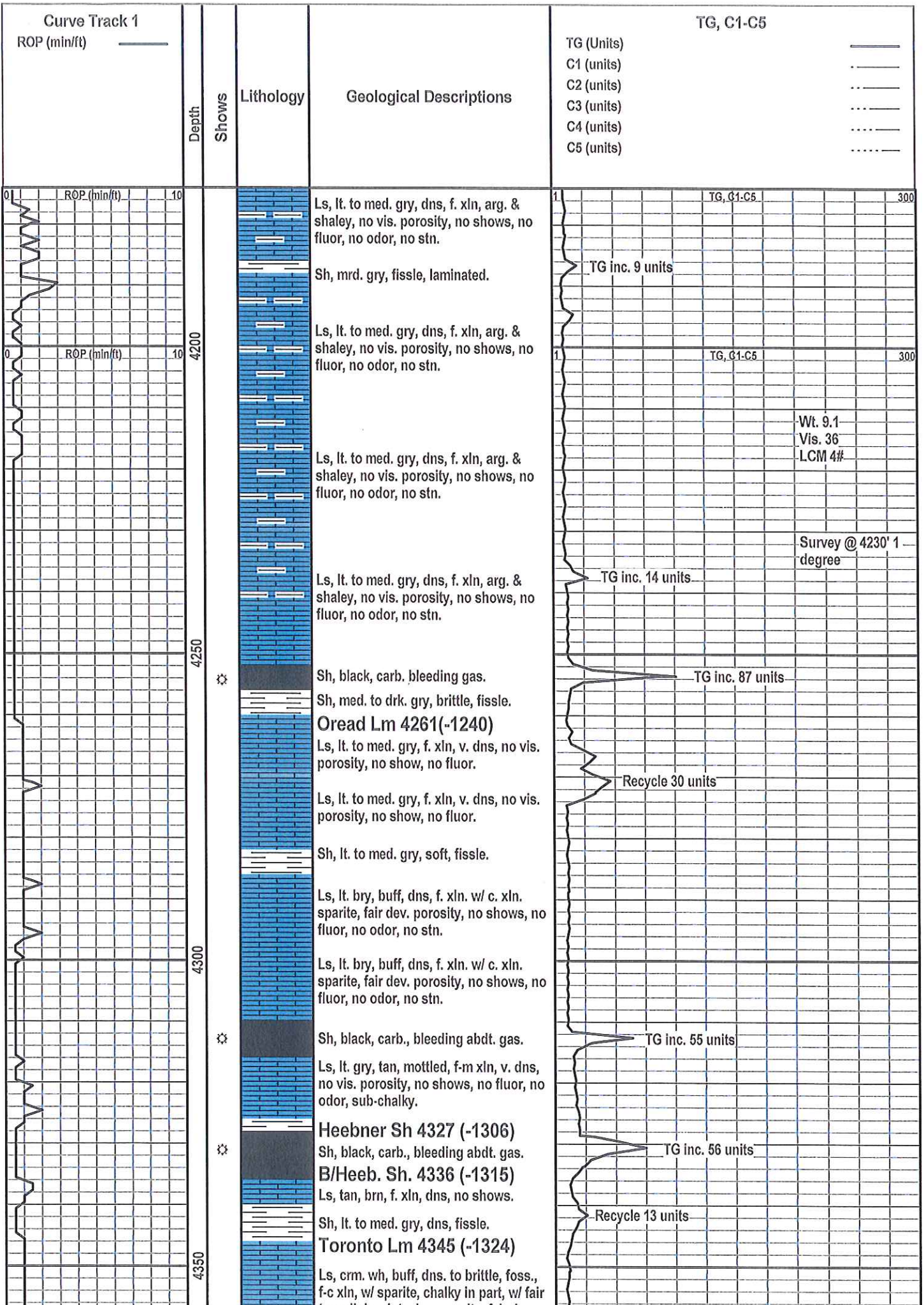
Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

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

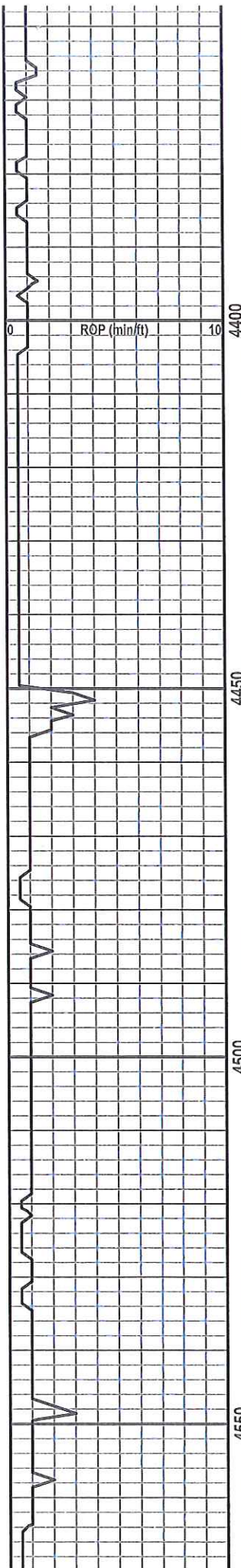
GEOLOGIST

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



Wt. 9.1
Vis. 36
LCM 4#

Survey @ 4230' 1 degree



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.

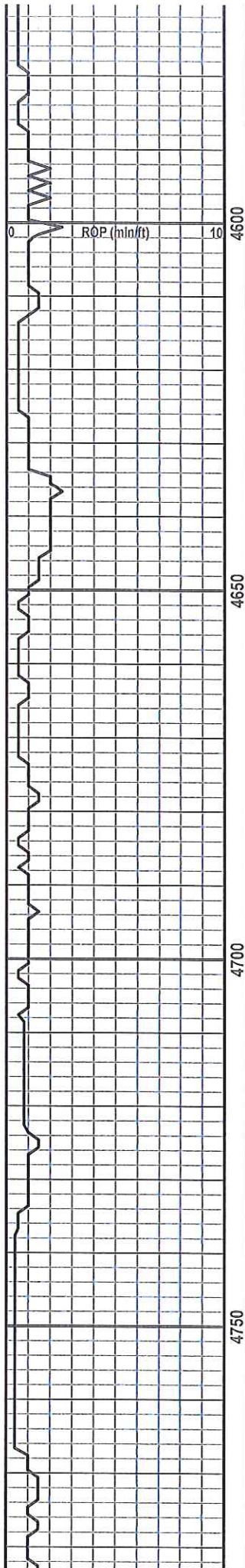
Sh, lt. to med. gry, dns, fissle.

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

TG, C1-C5	@ 4400'	300
	Wt. 9.0	
	Vis. 37	
	W.L. 28	
	PH 8.5	
	Chl. 2,000	
	LCM 3#	
Adjust baseline		
	Wt. 8.9	
	Vis. 36	
	LCM 3#	
	Wt. 9.1	
	Vis. 35	
	LCM 2#	



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.

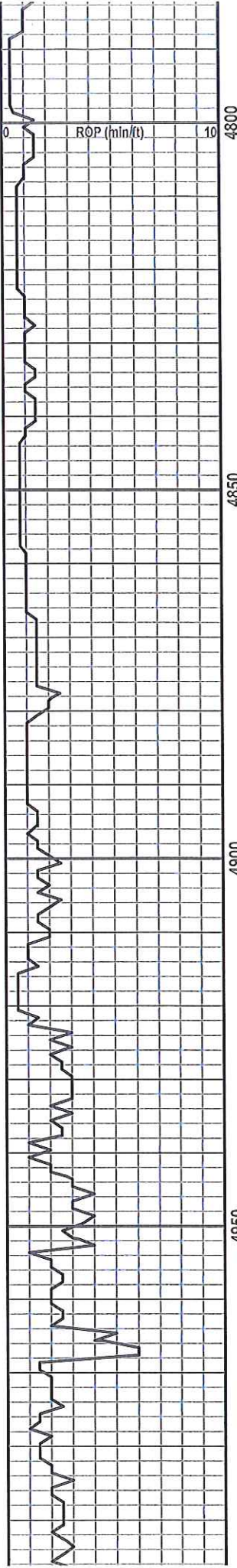
Ls, buff, lt. gry-wh, m-c xln, dns. to chalky, fair to well dev. int. xln. & vug. porosity, no shows, chalky fluor, no odor, no staining.

TG, C1-C5

300

Adjust baseline

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.

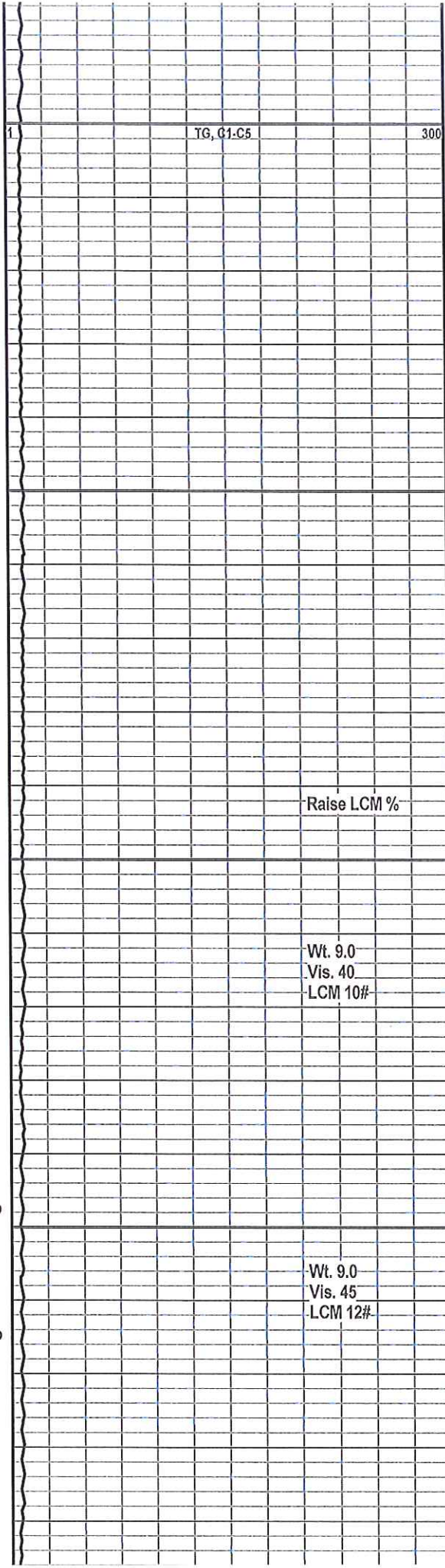
Ls, buff, tan, f-m xln, granular, dns. to chalky, fair dev. int. xln. porosity, no shows, no fluor, no odor, no staining.

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.



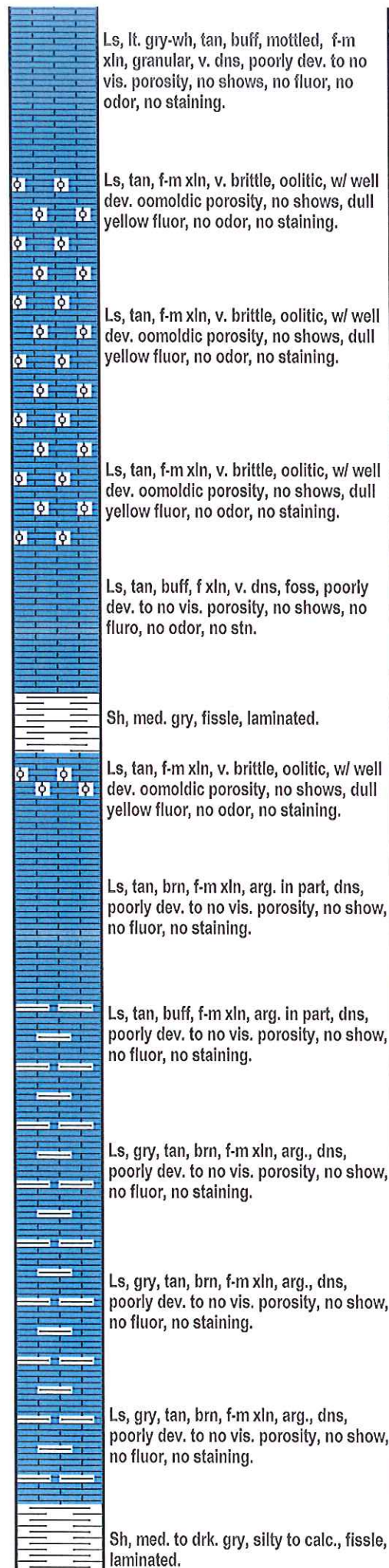
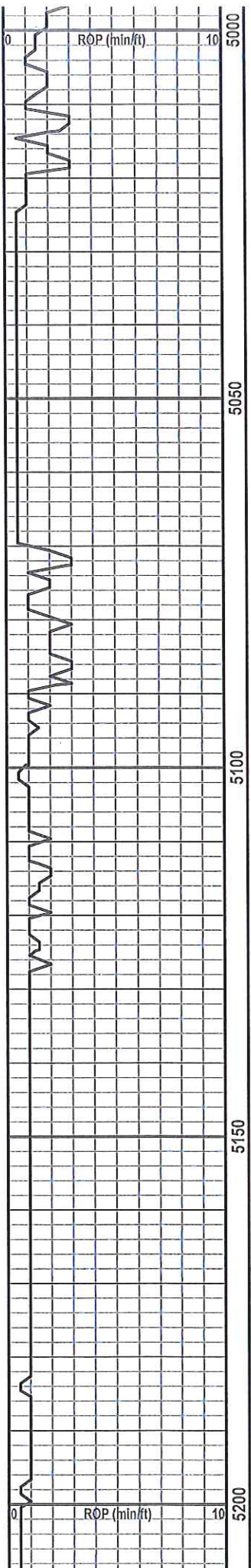
TG, G1-C5

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

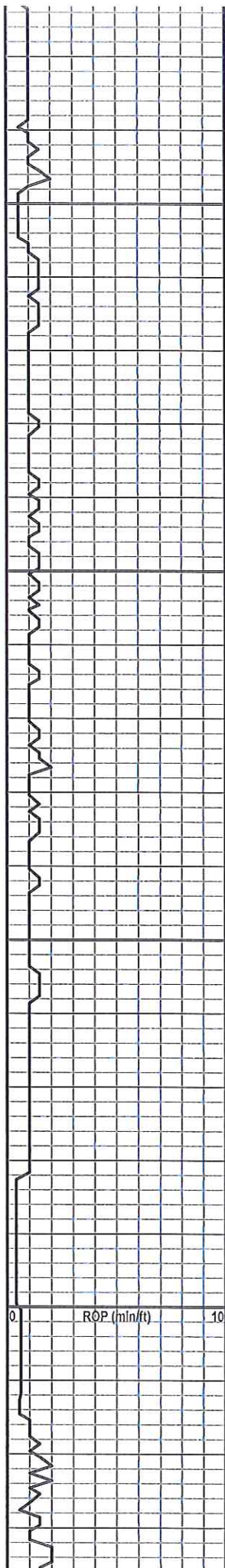
5300

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.

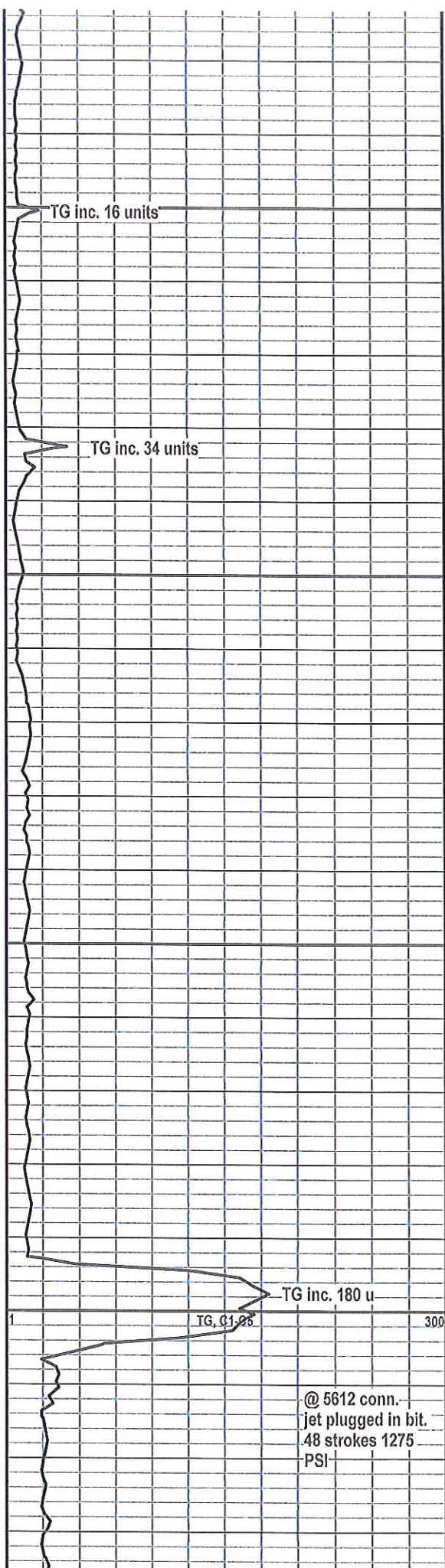
Ls, med. gry, f. xln, v. dns, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no stn.

Cherokee Sh 5592 (-2571)

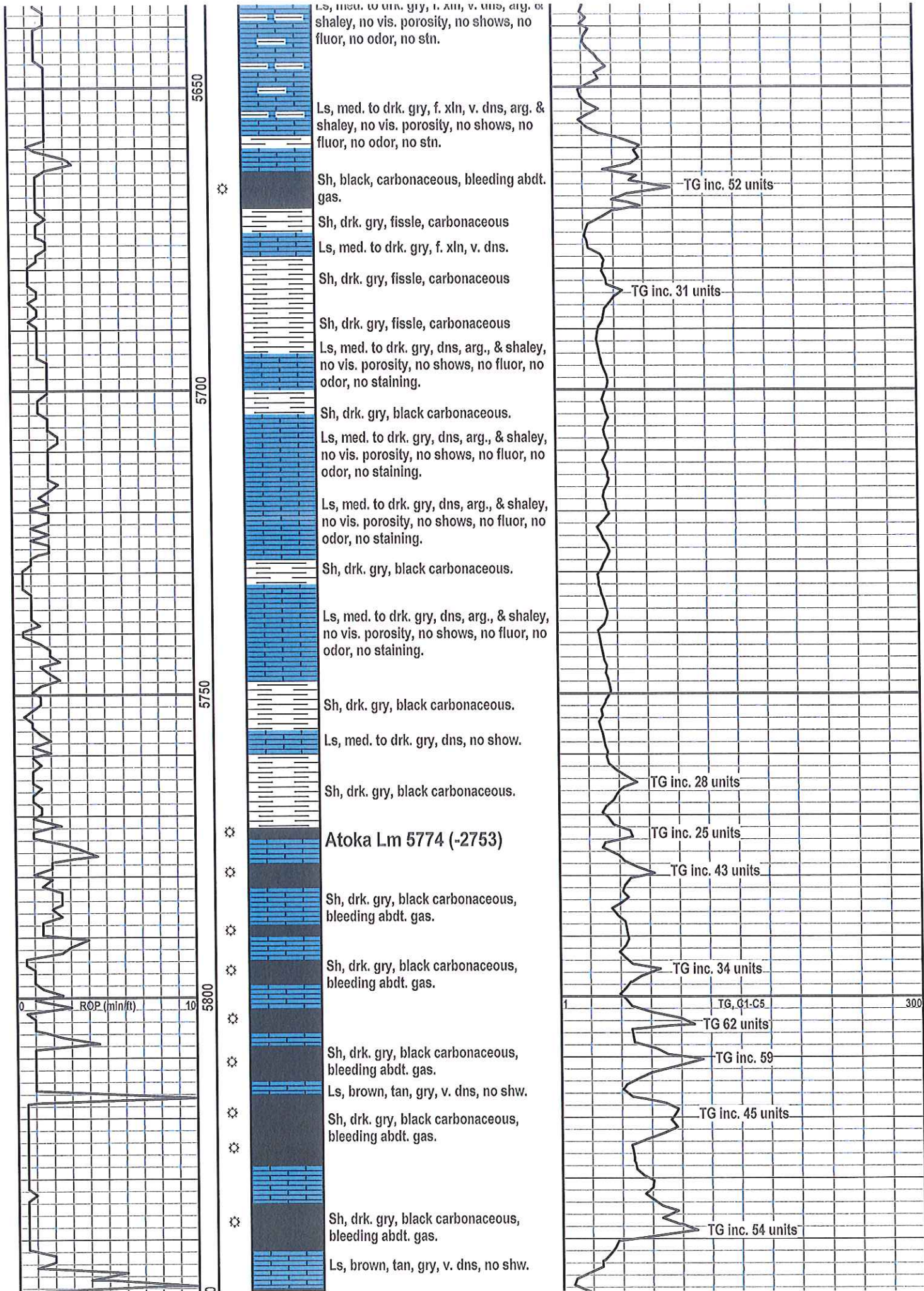
Sh, black, carbonaceous, bleeding abdt. gas.

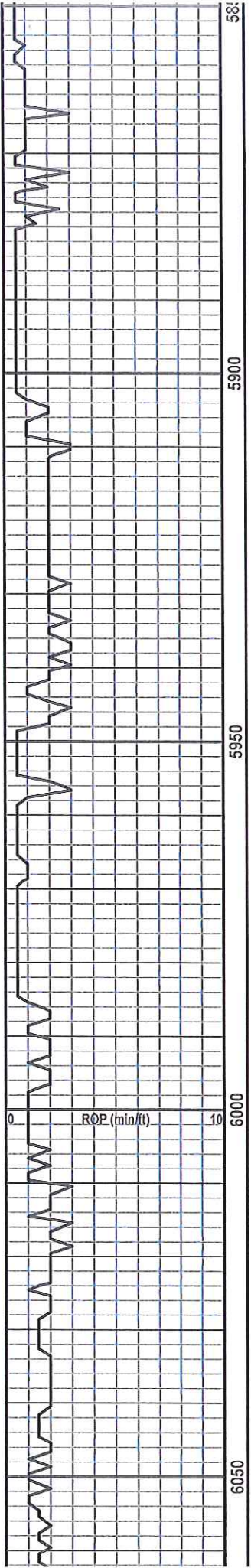
Ls, med. to drk. gry, f. xln, v. dns, arg. & shaley, no vis. porosity, no shows, no fluor, no odor, no stn.

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





5800 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.

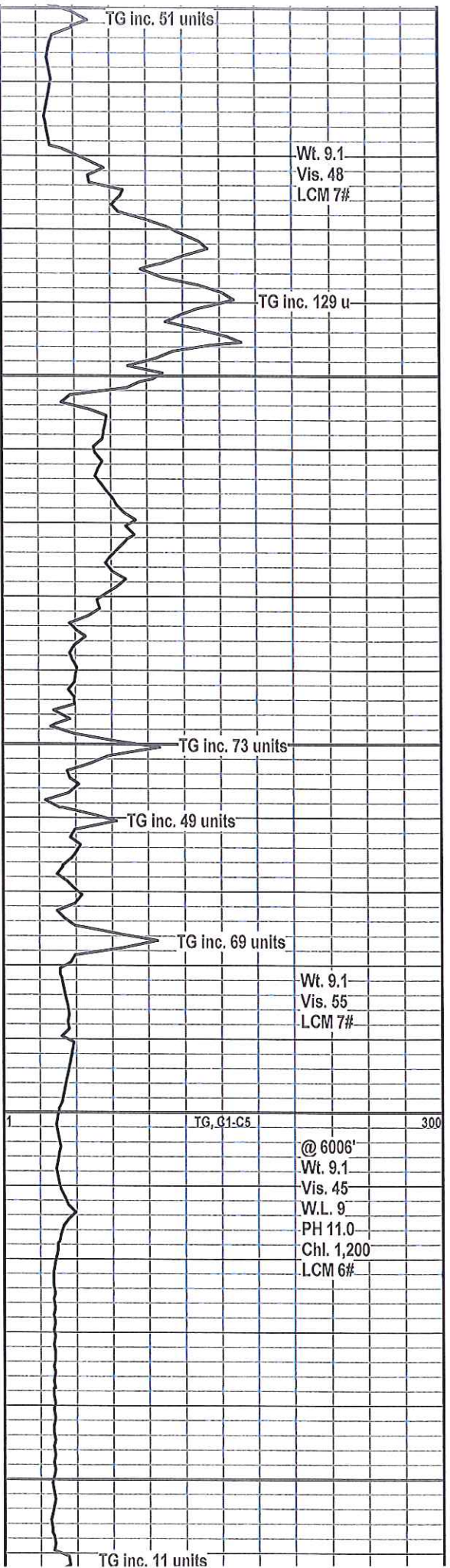
Sh, lt. gry, silty, laminated, fissle.

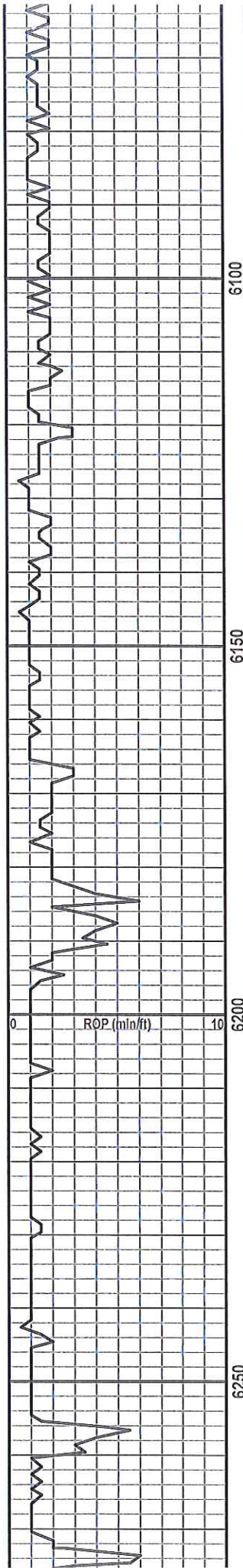
Sh, lt. to med. gry, silty, micaceous, fissle, abdt. pyrite.

6000

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

6050



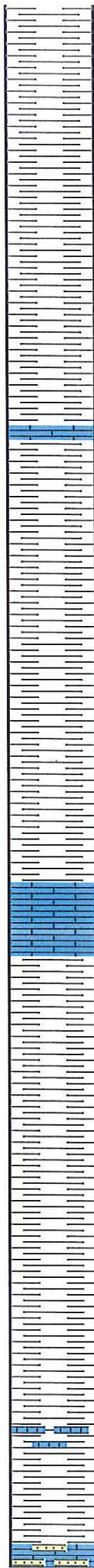


6100

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.

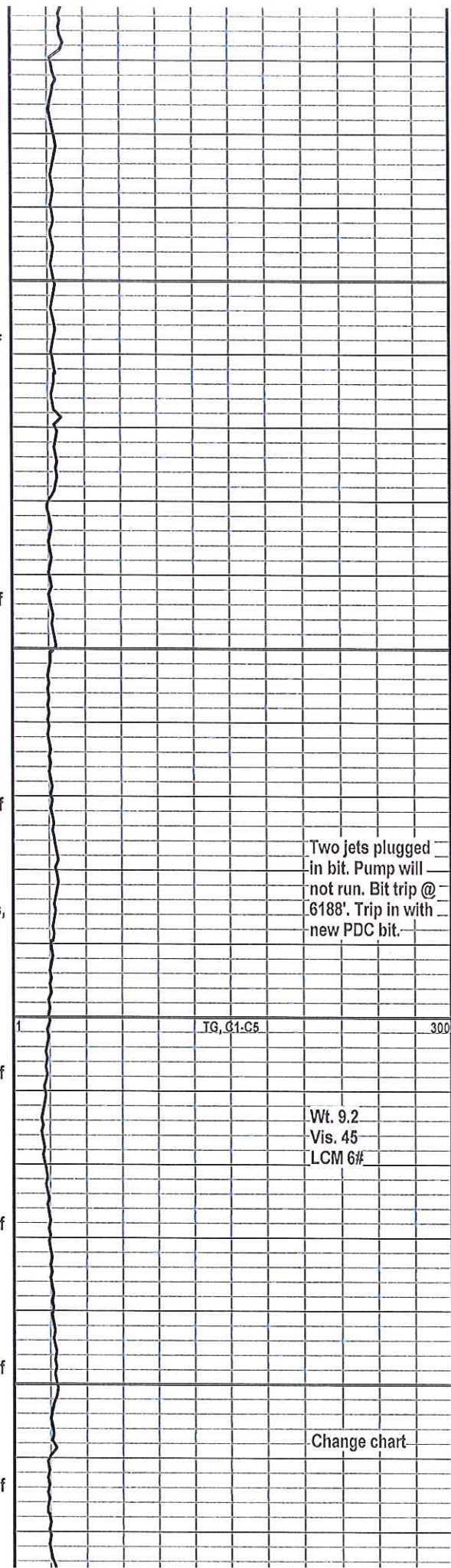
Sh lt.-med. gry, fissle, laminated.

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.

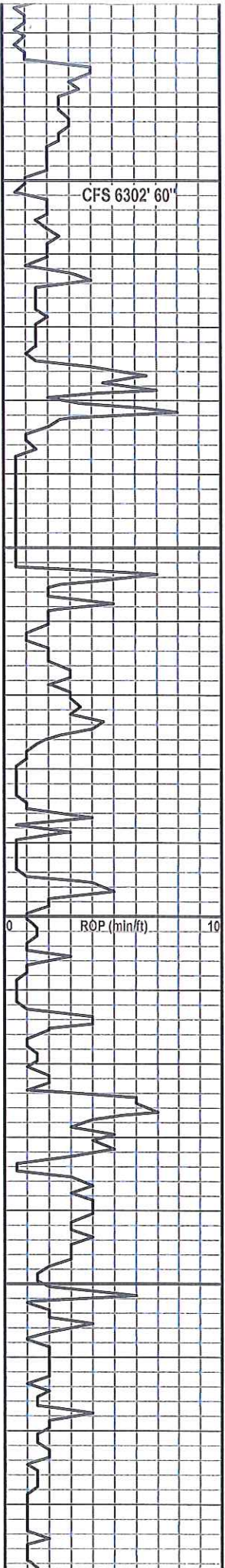


TG, G1-C5 300

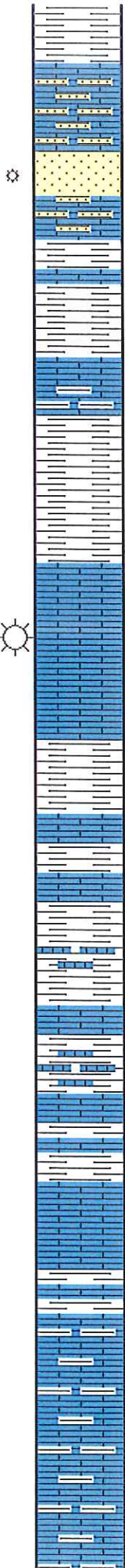
Two jets plugged in bit. Pump will not run. Bit trip @ 6188'. Trip in with new PDC bit.

Wt. 9.2
Vis. 45
LCM 6#

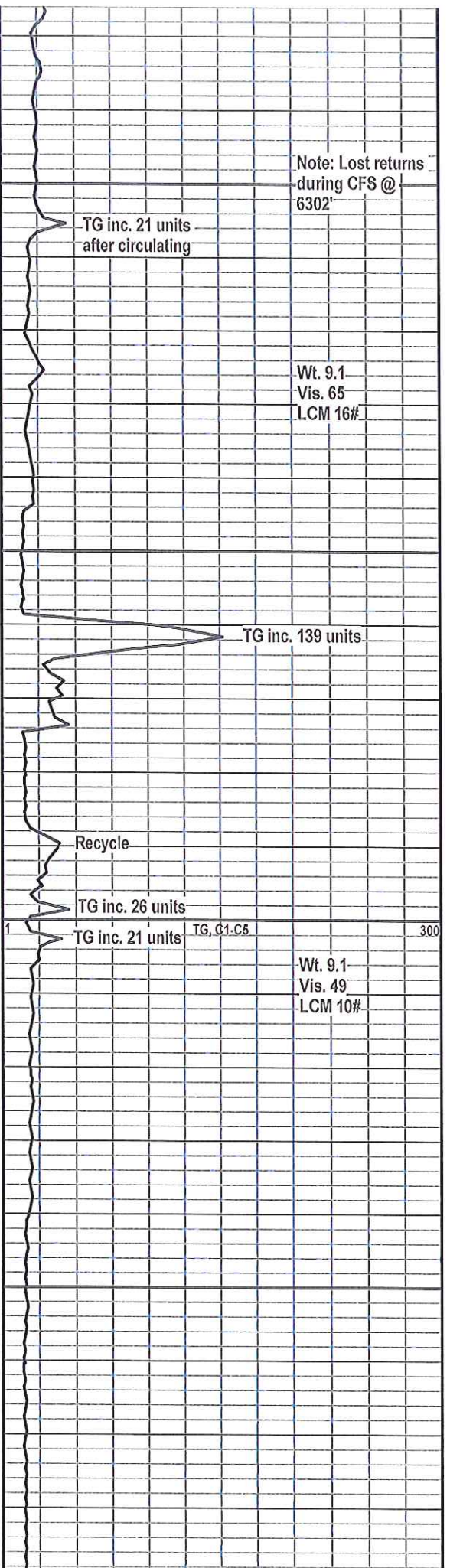
Change chart

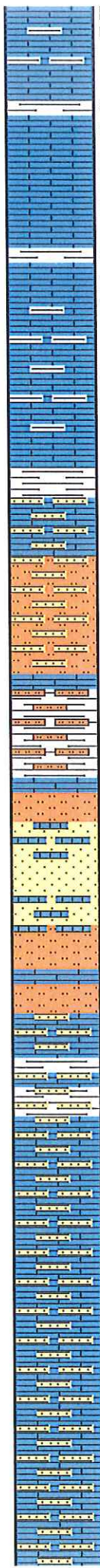
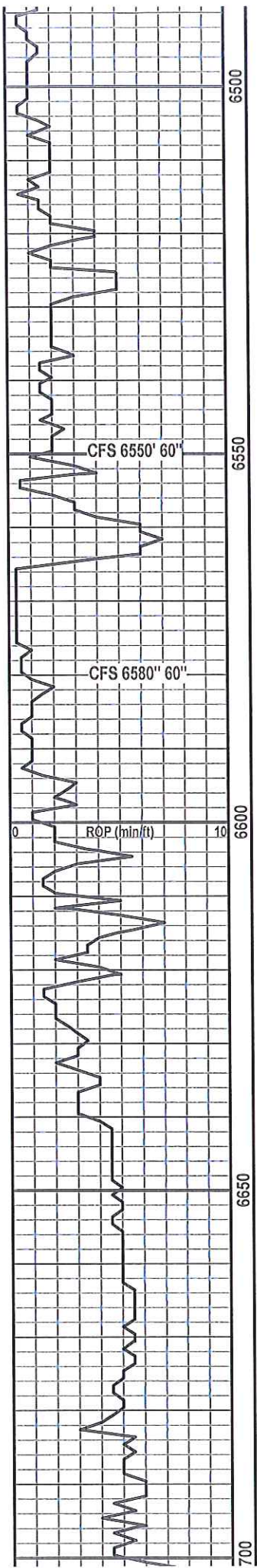


6300
6350
6400
6450



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.

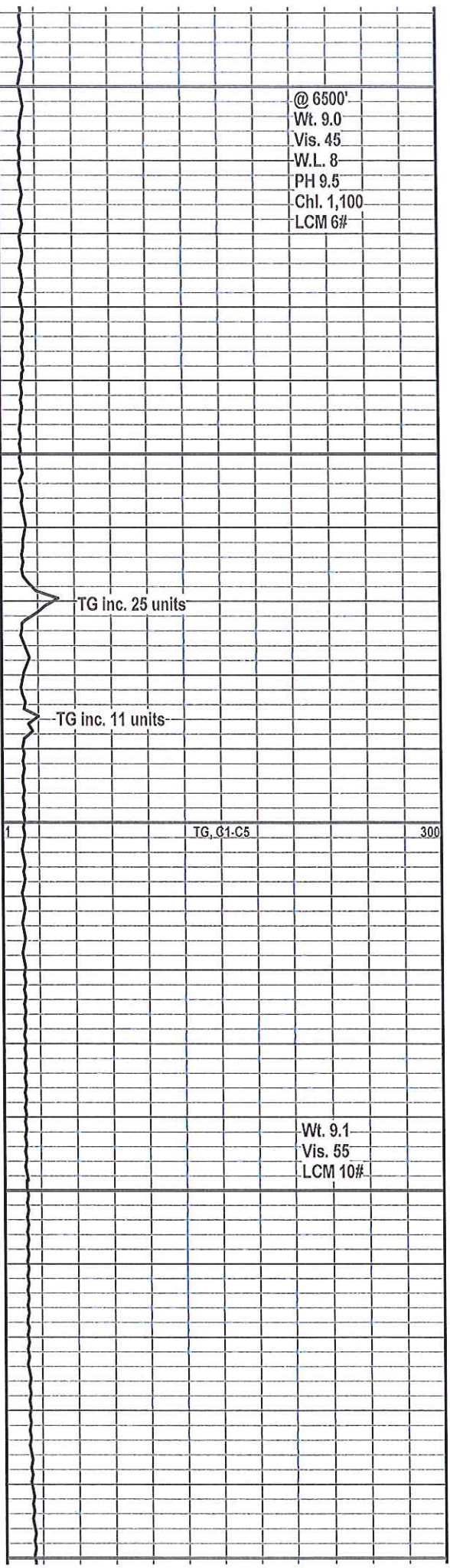
Sh, gry, dns, fissle, silty to sandy.
Ste. Gen 6640 (-3619)
 Ls, red-brown, sandy w/ f. gr. sand, no vis. porosity, no shows, no fluor, no odor, no staining.

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.



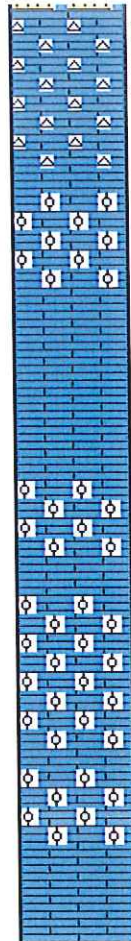
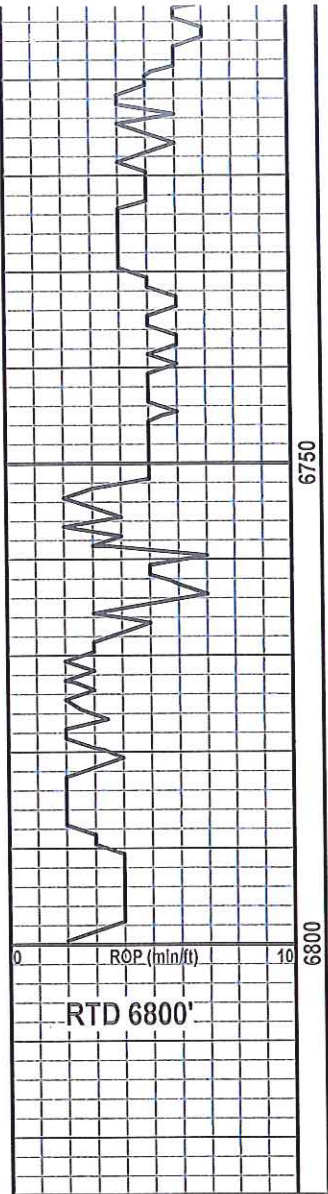
@ 6500'
 Wt. 9.0
 Vis. 45
 W.L. 8
 PH 9.5
 Chl. 1,100
 LCM 6#

TG inc. 25 units

TG inc. 11 units

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'