David A. Barker

CONSULTING GEOLOGIST

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

Well Name:	**Wyman #1**		
Well Id:	**15-151-26073**		
Location:	**5-T16S-R18W**		
License Number:		**Region:**	**Ness County, Kansas**
Spud Date:	**7/08/19**	**Drilling Completed:**	**7/13/2019**
Surface Coordinates:	**1650 FSL' & 1320 FWL'**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**2376**	**K.B. Elevation (ft):**	**2388**
Logged Interval (ft):	**surface To: 4465**	**Total Depth (ft):**	**4465**
Formation:	**Mississippian**		
Type of Drilling Fluid:	**chemical**		

OPERATOR

Company: **Anderson Energy INC.**
Address: **300 West Douglas Ave**
Suite 410
Wichita, Kansas 67202

GEOLOGIST

Name: **David A. Barker**
Company:
Address: **212 N. Market, Suite# 320**
Wichita, Kansas 67202
(316) 259-4294, 2 Barker@sbcglobal.net

Contractor

Fossile Drilling INC, Rig #3, PO Box 464, Pratt, KS 67124-0464

Daily Status

7-8-19: Move in and spud well @ 8:30 P.M., Drilled to 271 ran 6 jts of 8 5/8" set @ 271', w/240 sx 60/40 poz, 3% cc. Plug down @ 7:15 am 7/9/19. Cement did circulated. 271' , 3/4 deg
7-10-19: Drilling at 1637', survey at: 1060' 1/4 deg & 1568 3/4 deg
7-11-19: Drilling at 2816', survey at 2044' 3/4 deg,
7-12-19: Drilling at 3765', survey at: 3152' 1/2 deg and 3657 3/4 deg
7-13-19: Drilling, survey at: 4165 1 1/4 deg. drill to a rotary Total Depth of 4465'. Circulate hole clean, short trip and trip out for Electric log. Survey at T.D. 4465' 1 deg.

Remarks

Because of the absence of any oil and gas shows in the Cherokee sand and Mississippian formations and the low structural position these formations the #1 Gerald Wyman was plugged and abandoned on July 14, 2019.

ACCESSORIES

FOSSIL
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

MINERAL
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Slty

STRINGER
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

INTERVALS
- Core
- Dst
- Dst

EVENTS
- Rft
- Sidewall
- Cfs
- Conn

POROSITY TYPE
- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

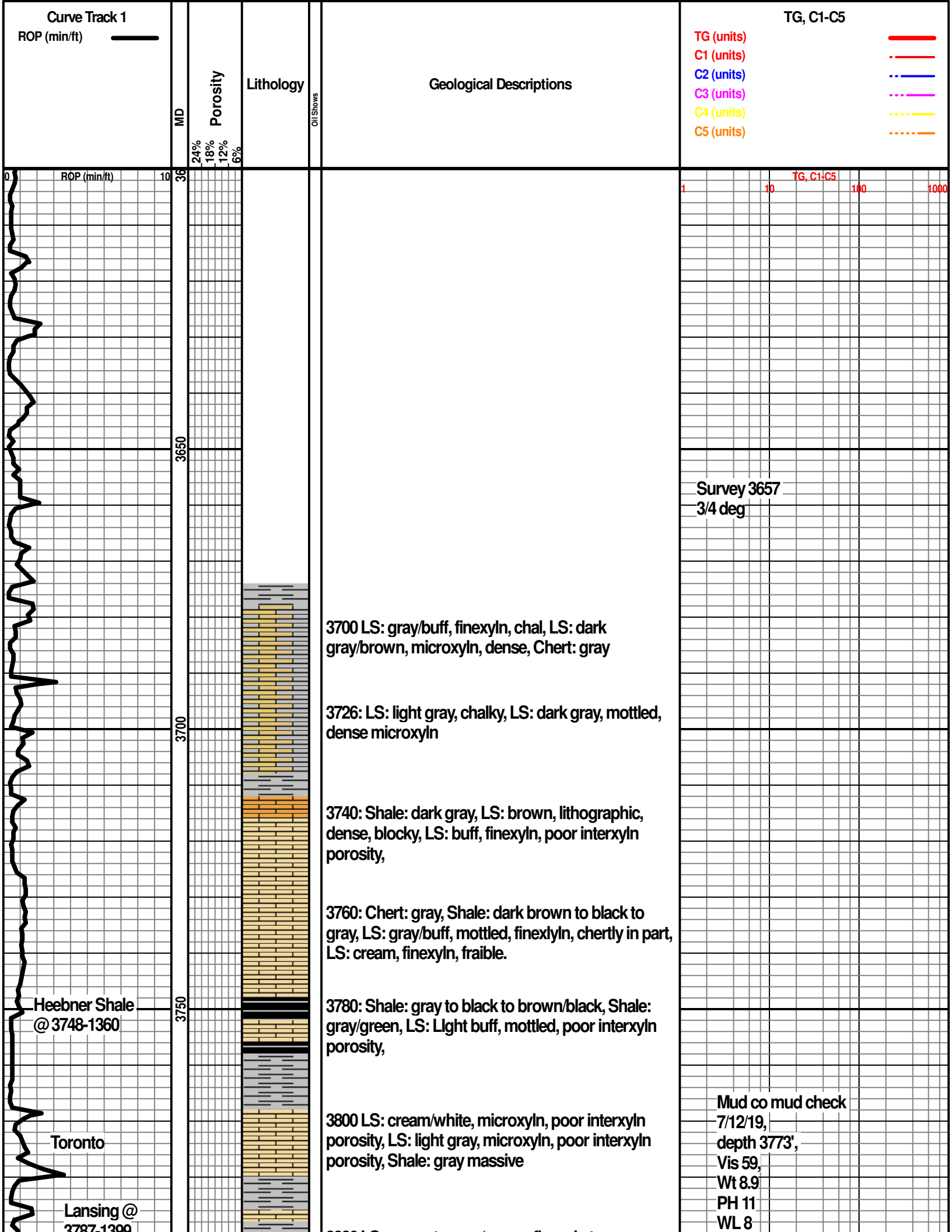
LITHOLOGY
- Anhy
- Chtred
- Cht
- Congl
- Shale
- Shgy
- gray scaless
- Ss
- Carb shale
- Gray shale
- Sandy lmst
- Shale
- Slt stn
- Shaly slst
- Slty shale
- Blank
- Gray lmst
- Cream lmst
- Red shale
- Blue-green siltstn
- Green shale
- D. green shale
- Green shale
- Brown lmst
- Brown shale
- Brown dol
- Brown cream
- Brown cream
- D. green lmst
- pink lime
- Light cream lmst
- Gray cream lmst
- Green dol
- Gray dol

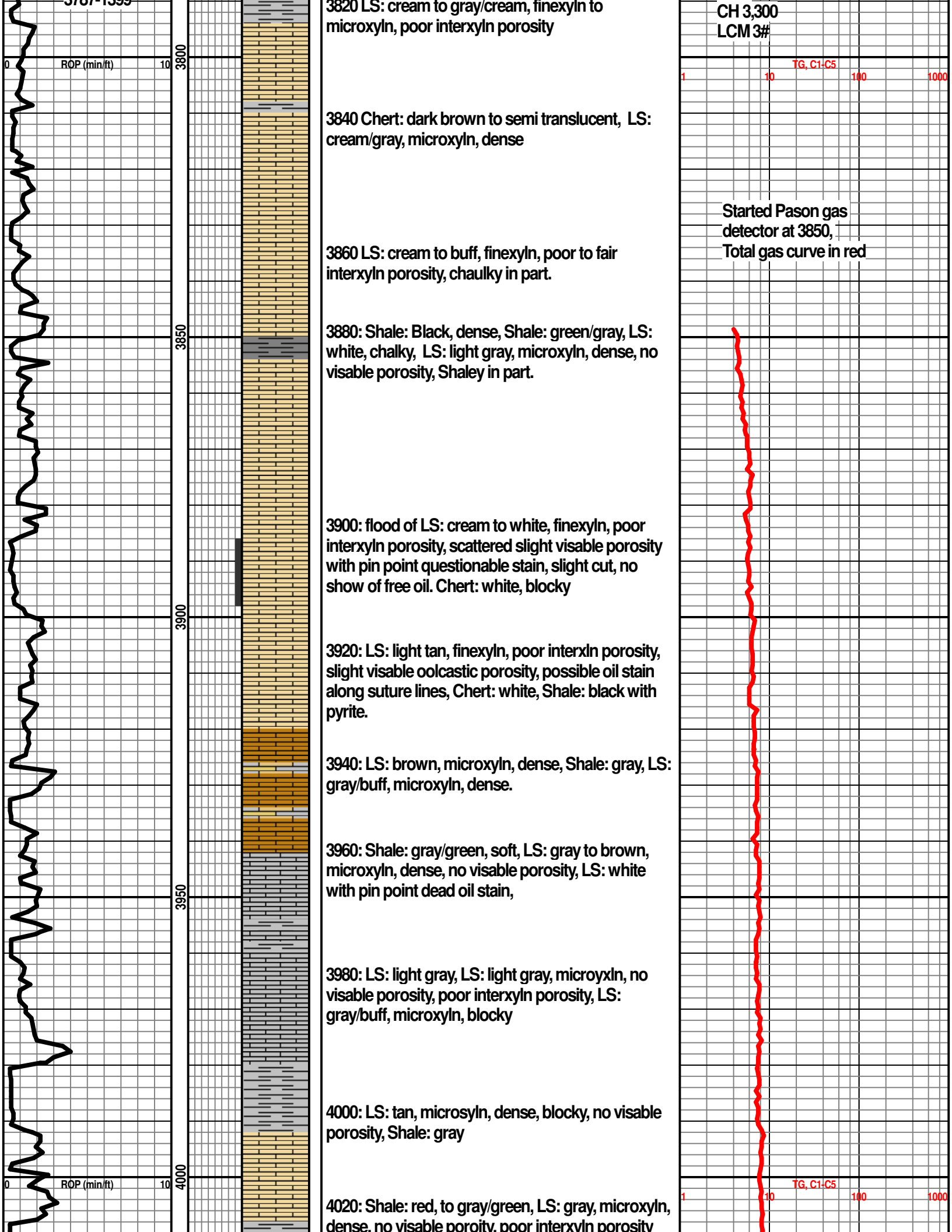
SORTING
- Well
- Moderate
- Poor

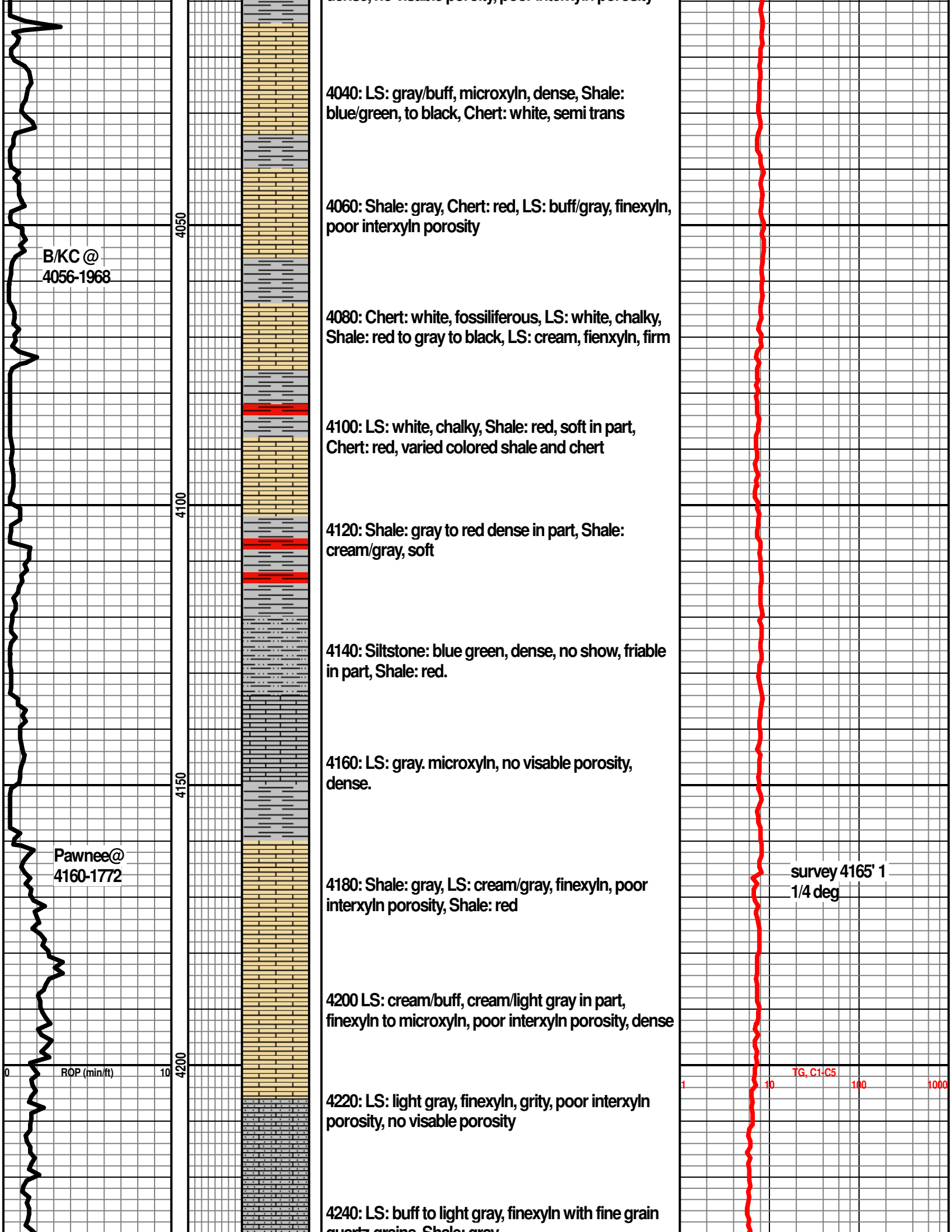
ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

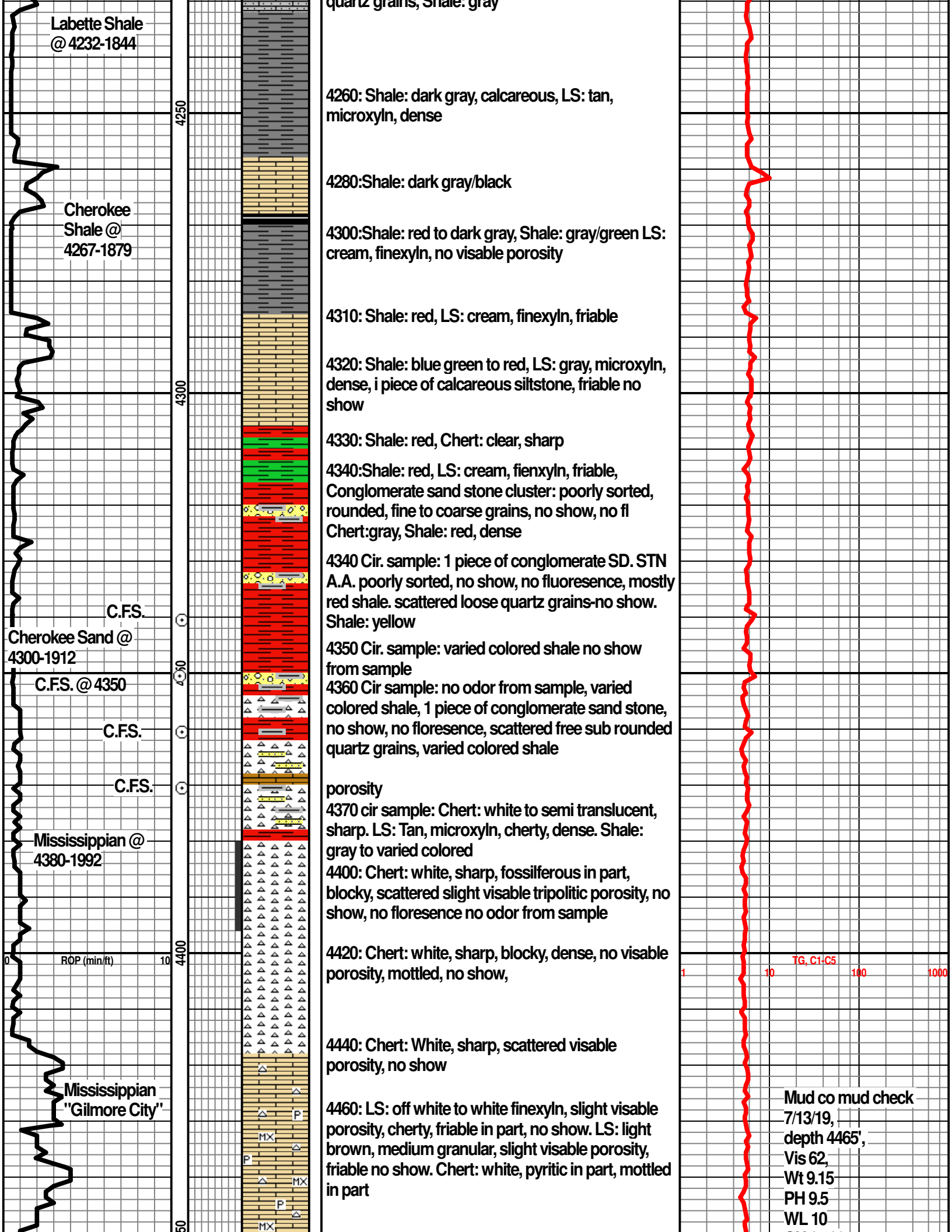
OIL SHOWS
- Even
- Spotted
- Ques
- Dead
- Gas show

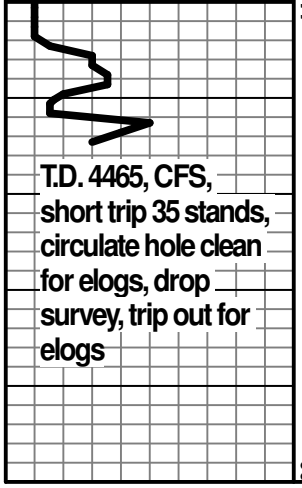
ROCK TYPES
- Anhy
- Chtred
- Cht
- Congl
- Shale
- Shgy
- gray scaless
- Ss
- Carb shale
- Gray shale
- Sandy lmst
- Shale
- Slt stn
- Shaly slst
- Slty shale
- Blank
- Gray lmst
- Cream lmst
- Red shale
- Blue-green siltstn
- Green shale
- D. green shale
- Green shale
- Brown lmst
- Brown shale
- Brown dol
- Brown cream
- Brown cream
- D. green lmst
- pink lime
- Light cream lm
- Gray cream lms
- Green dol
- Gray dol


Curve Track 1
ROP (min/ft)
MD
Porosity
24%
18%
12%
6%
Lithology
Oil Shows
Geological Descriptions
TG, C1-C5
TG (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
C5 (units)
0
ROP (min/ft)
10
3650
3700
3750
TG, C1-C5
1
10
100
1000
Survey 3657
3/4 deg
3700 LS: gray/buff, finexyln, chal, LS: dark gray/brown, microxyln, dense, Chert: gray
3726: LS: light gray, chalky, LS: dark gray, mottled, dense microxyln
3740: Shale: dark gray, LS: brown, lithographic, dense, blocky, LS: buff, finexyln, poor interxyln porosity,
3760: Chert: gray, Shale: dark brown to black to gray, LS: gray/buff, mottled, finexlyln, chertly in part, LS: cream, finexyln, fraible.
Heebner Shale @ 3748-1360
3780: Shale: gray to black to brown/black, Shale: gray/green, LS: LIght buff, mottled, poor interxyln porosity,
Toronto
3800 LS: cream/white, microxyln, poor interxyln porosity, LS: light gray, microxyln, poor interxyln porosity, Shale: gray massive
Lansing @ 3787-1399
Mud co mud check
7/12/19,
depth 3773',
Vis 59,
Wt 8.9
PH 11
WL 8


3787-1399
0
ROP (min/ft)
10
3800
3850
3900
3950
4000
0
ROP (min/ft)
10
3820 LS: cream to gray/cream, finexyln to microxyln, poor interxyln porosity
3840 Chert: dark brown to semi translucent, LS: cream/gray, microxyln, dense
3860 LS: cream to buff, finexyln, poor to fair interxyln porosity, chaulky in part.
3880: Shale: Black, dense, Shale: green/gray, LS: white, chalky, LS: light gray, microxyln, dense, no visable porosity, Shaley in part.
3900: flood of LS: cream to white, finexyln, poor interxyln porosity, scattered slight visable porosity with pin point questionable stain, slight cut, no show of free oil. Chert: white, blocky
3920: LS: light tan, finexyln, poor interxln porosity, slight visable oolcastic porosity, possible oil stain along suture lines, Chert: white, Shale: black with pyrite.
3940: LS: brown, microxyln, dense, Shale: gray, LS: gray/buff, microxyln, dense.
3960: Shale: gray/green, soft, LS: gray to brown, microxyln, dense, no visable porosity, LS: white with pin point dead oil stain,
3980: LS: light gray, LS: light gray, microyxln, no visable porosity, poor interxyln porosity, LS: gray/buff, microxyln, blocky
4000: LS: tan, microsyln, dense, blocky, no visable porosity, Shale: gray
4020: Shale: red, to gray/green, LS: gray, microxyln, dense, no visable poroity, poor interxyln porosity
CH 3,300
LCM 3#
TG, C1-C5
1
10
100
1000
Started Pason gas detector at 3850,
Total gas curve in red
TG, C1-C5
1
10
100
1000


4040: LS: gray/buff, microxyln, dense, Shale: blue/green, to black, Chert: white, semi trans
4060: Shale: gray, Chert: red, LS: buff/gray, finexyln, poor interxyln porosity
B/KC @ 4056-1968
4080: Chert: white, fossiliferous, LS: white, chalky, Shale: red to gray to black, LS: cream, fienxyln, firm
4100: LS: white, chalky, Shale: red, soft in part, Chert: red, varied colored shale and chert
4120: Shale: gray to red dense in part, Shale: cream/gray, soft
4140: Siltstone: blue green, dense, no show, friable in part, Shale: red.
4160: LS: gray. microxyln, no visable porosity, dense.
Pawnee@ 4160-1772
4180: Shale: gray, LS: cream/gray, finexyln, poor interxyln porosity, Shale: red
survey 4165' 1 1/4 deg
4200 LS: cream/buff, cream/light gray in part, finexyln to microxyln, poor interxyln porosity, dense
4220: LS: light gray, finexyln, grity, poor interxyln porosity, no visable porosity
4240: LS: buff to light gray, finexyln with fine grain
4050
4100
4150
4200
0
ROP (min/ft)
10
TG, C1-C5
1
10
100
1000

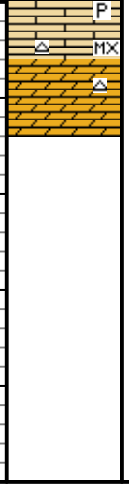

Labette Shale
@ 4232-1844
Cherokee
Shale @
4267-1879
C.F.S.
Cherokee Sand @
4300-1912
C.F.S. @ 4350
C.F.S.
C.F.S.
Mississippian @
4380-1992
0
ROP (min/ft)
10
Mississippian
"Gilmore City"
4250
4300
4350
4400
4450
P
MX
P
MX
P
MX
quartz grains, Shale: gray
4260: Shale: dark gray, calcareous, LS: tan, microxyln, dense
4280:Shale: dark gray/black
4300:Shale: red to dark gray, Shale: gray/green LS: cream, finexyln, no visable porosity
4310: Shale: red, LS: cream, finexyln, friable
4320: Shale: blue green to red, LS: gray, microxyln, dense, i piece of calcareous siltstone, friable no show
4330: Shale: red, Chert: clear, sharp
4340:Shale: red, LS: cream, fienxyln, friable, Conglomerate sand stone cluster: poorly sorted, rounded, fine to coarse grains, no show, no fl Chert:gray, Shale: red, dense
4340 Cir. sample: 1 piece of conglomerate SD. STN A.A. poorly sorted, no show, no fluoresence, mostly red shale. scattered loose quartz grains-no show. Shale: yellow
4350 Cir. sample: varied colored shale no show from sample
4360 Cir sample: no odor from sample, varied colored shale, 1 piece of conglomerate sand stone, no show, no floresence, scattered free sub rounded quartz grains, varied colored shale
porosity
4370 cir sample: Chert: white to semi translucent, sharp. LS: Tan, microxyln, cherty, dense. Shale: gray to varied colored
4400: Chert: white, sharp, fossilferous in part, blocky, scattered slight visable tripolitic porosity, no show, no floresence no odor from sample
4420: Chert: white, sharp, blocky, dense, no visable porosity, mottled, no show,
4440: Chert: White, sharp, scattered visable porosity, no show
4460: LS: off white to white finexyln, slight visable porosity, cherty, friable in part, no show. LS: light brown, medium granular, slight visable porosity, friable no show. Chert: white, pyritic in part, mottled in part
TG, C1-C5
1
10
100
1000
Mud co mud check
7/13/19,
depth 4465',
Vis 62,
Wt 9.15
PH 9.5
WL 10



T.D. 4465, CFS, short trip 35 stands, circulate hole clean for elogs, drop survey, trip out for elogs

44

00



4465 cir sample: Dolomite fine granular, streaks of medium grained, friable in part, fair to good show of barren oolcastic porosity, no show no fluoresence.

CH 3,500
LCM 2#

survey @ 4465, 1 deg