



WELLSITE GEOLOGICAL REPORT

PAUL GERLACH
GEOLOGIST

Drilling Time
Sample Log
Hydrocarbon Shows
Openhole Testing
Corring

OPERATOR MULL DRILLING Co.

LEASE & Well STRECKER #1-24

FIELD Wildcat

LOCATION 681 fsl & 661 fel

SEC 24 TWP 26S RGE 30W

COUNTY Gray STATE KS

Contractor Duke Drilling Rig #1

Drlg Comm 01/18/2012 Drlg Comp 01/27/2012

RTD 5162 ft. LTD 5164 ft.

Mud Up At 3600 ft. Mud Type Chem-Gel

Geological Supervision: 4000 ft. to RTD

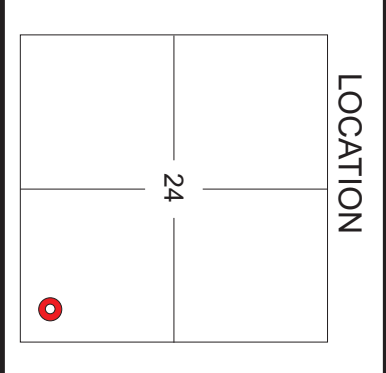
Gas Detector: Not in Service

Samples Collected: 3700 ft. to RTD

Sample Tops

Formation	Depth	Datum
Stn Corral	1802	+968
Heebner Sh	4142	(-1372)
Lansing	4220	(-1450)
Stark Sh	4530	(-1760)
Marmaton	4770	(-1930)
Chrk. Sh.	4814	(-2044)
B Penn Lm	4970	(-2200)
Miss. St. Gen	4990	(-2220)
St Louis A Zn	5050	(-2280)

ELEVATION	KB <u>2770</u>
DF	<u>GL 2758</u>
Depth Measurements from Kelly Bushing	
CASING RECORD	
	8 5/8" @ 1817 ft.
ELECTRICAL SURVEYS	
DIL-SP-GR	
FDC-CNL-GR-CAL	
SONIC	
	by Superior



Daily Drilling Activity

Date	Depth	Activity Last 24 Hrs	Bit #	Size	Make/Type
01-18-12	0	Rig up, Spud @ 1:00AM, Drlg Surf Hole,	1	12 1/4"	Varel
01-19-12	1330	Drilling			
01-20-12	1818	Survey 1@1817, 8 5/8 @ 1817, WOC, Cement settled, 1" surface			
01-21-12	1818	Drilling, Survey 1@ 2301	2	7 7/8"	Varel
01-22-12	2600	Drilling, Survey 1@2807			
01-23-12	3267	Drilling			
01-24-12	3990	Drilling, CFS @ 4230, Drilling			
01-25-12	4505	Drilling			
01-26-12	4850	Drilling			
01-27-12	5150	Drilling, RTD 5162			
		3344 ft in 116.5 hrs, 28.7 ft per hr			

Reference Well:

Ritchie Explor, Bates #1, 26-T26S-R30W

Depth out/Hrs	0 hrs
0 hrs	21.5 hrs
0 hrs	0 hrs
0 hrs	15.5 hrs
0 hrs	33.5 hrs
0 hrs	53.5 hrs
0 hrs	73.75 hrs
0 hrs	95 hrs
0 hrs	115.5 hrs

Hydrocarbon Shows

Depth	Formation	Lithology	Porosity	Description of Show
4236-4240	Lansing	Limestone	F Intraprt	2 pices with dead oil stn
4970-4980	Atn Sd	Sand	P Intraprt	Solid Sat, G Fluor & Cut

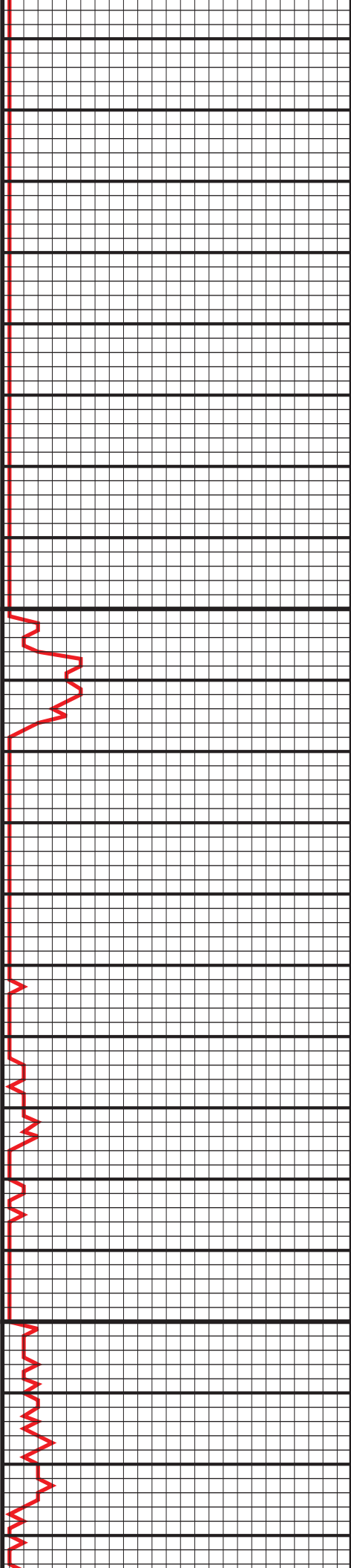
Drillstem Tests

Interval Formation	IFP Time	FFP Time	ISIP Time	FSIP Time	Recovery

LEGEND

- 
Anhydrite
- 
Siltstone
- 
Sandstone
- 
Shale
- 
Carb Shale
- 
Limestone
- 
Ool Lime
- 
Chert
- 
Dolomite

DRILLING TIME Minutes per Foot	DEPTH	LITHOLOGY	SAMPLE DESCRIPTION	SHOWS	REMARKS

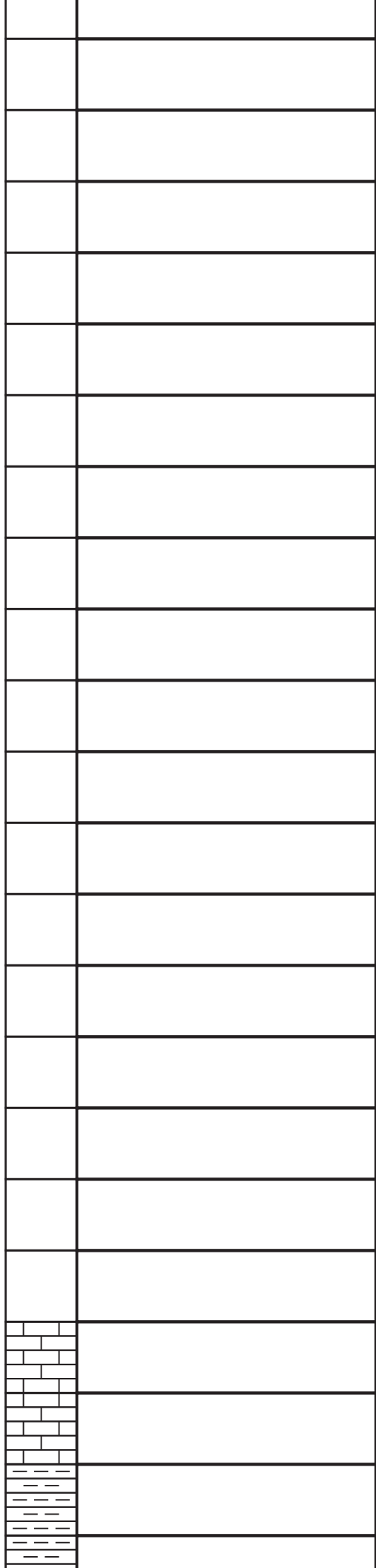


1750

1800

1850

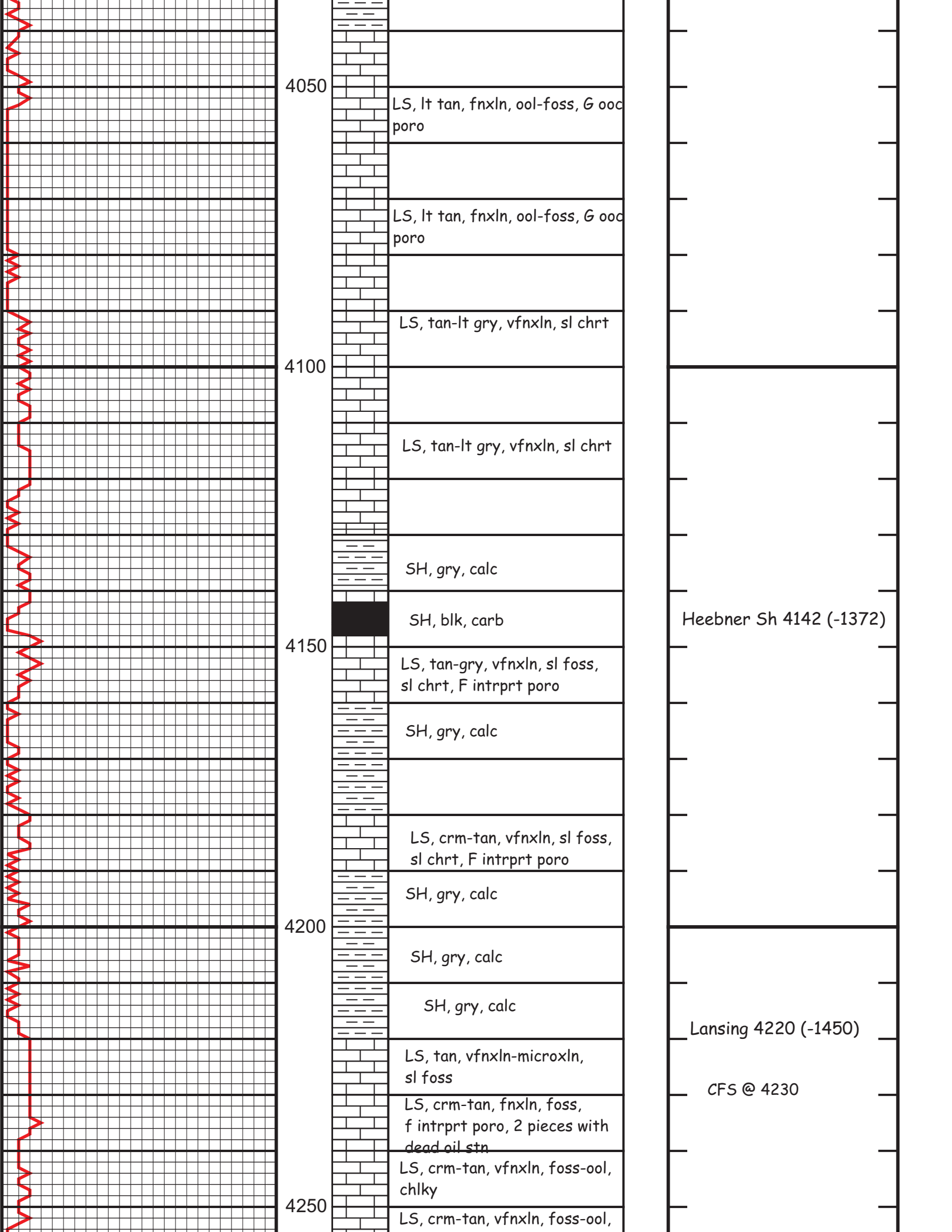
4000

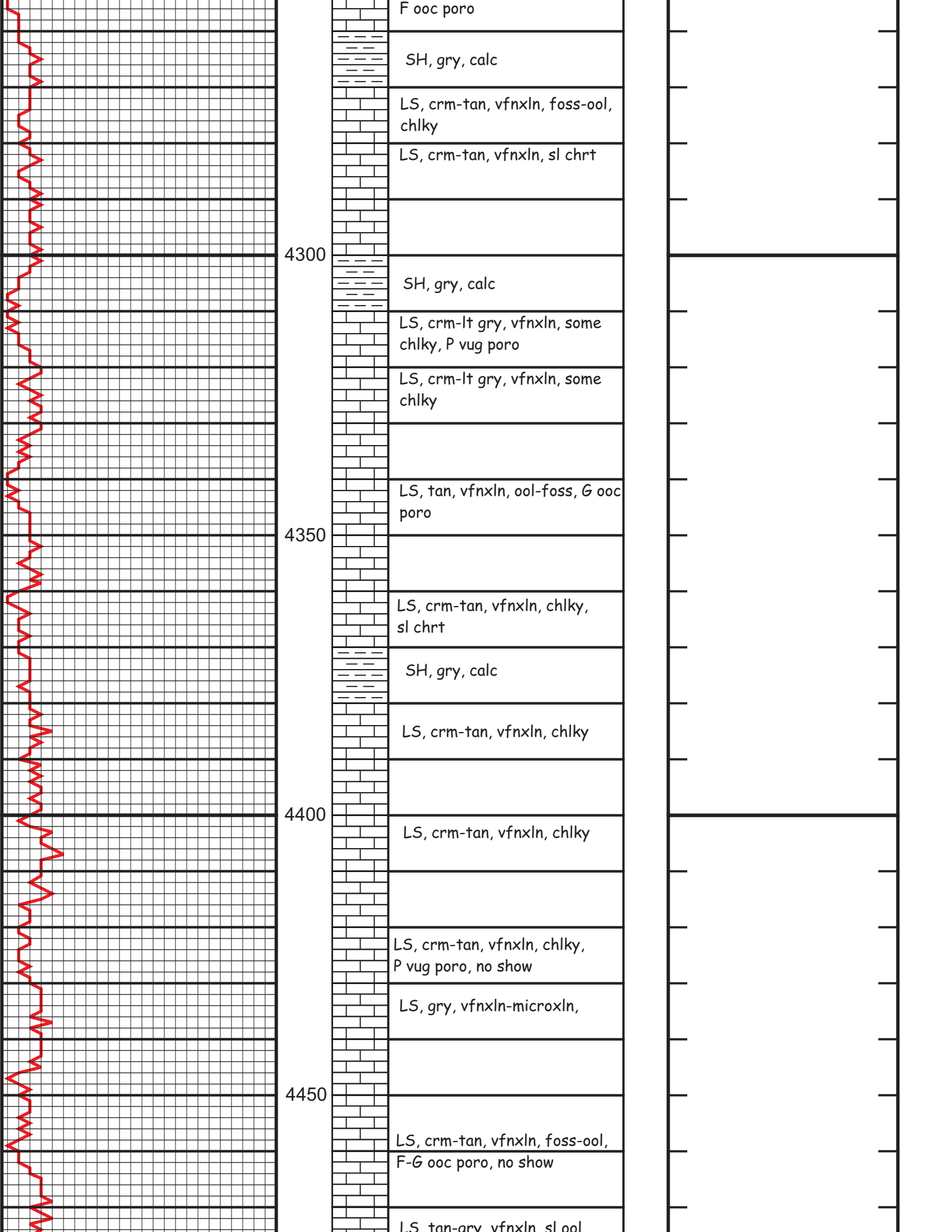


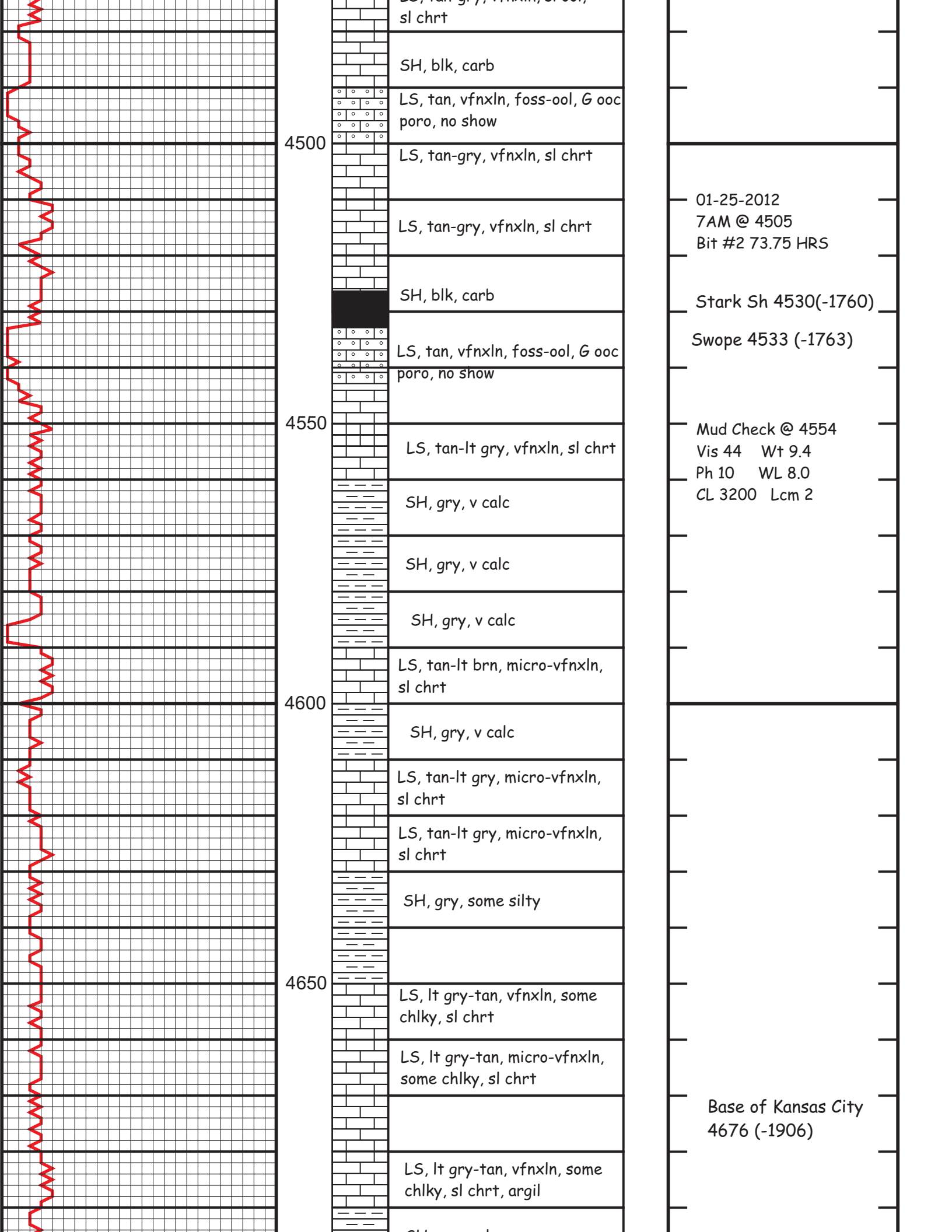
Stn Corral 1802 (+968)

Base of
Stn Corral 1877 (+893)

01-24-2012
7AM @ 3990
Bit #2 53.5 HRS







4500

LS, tan gry, vfnxln, sl chrt

SH, blk, carb

LS, tan, vfnxln, foss-ool, G ooc poro, no show

LS, tan-gry, vfnxln, sl chrt

LS, tan-gry, vfnxln, sl chrt

SH, blk, carb

LS, tan, vfnxln, foss-ool, G ooc poro, no show

4550

LS, tan-lt gry, vfnxln, sl chrt

SH, gry, v calc

SH, gry, v calc

SH, gry, v calc

4600

LS, tan-lt brn, micro-vfnxln, sl chrt

SH, gry, v calc

LS, tan-lt gry, micro-vfnxln, sl chrt

LS, tan-lt gry, micro-vfnxln, sl chrt

SH, gry, some silty

4650

LS, lt gry-tan, vfnxln, some chlky, sl chrt

LS, lt gry-tan, micro-vfnxln, some chlky, sl chrt

LS, lt gry-tan, vfnxln, some chlky, sl chrt, argil

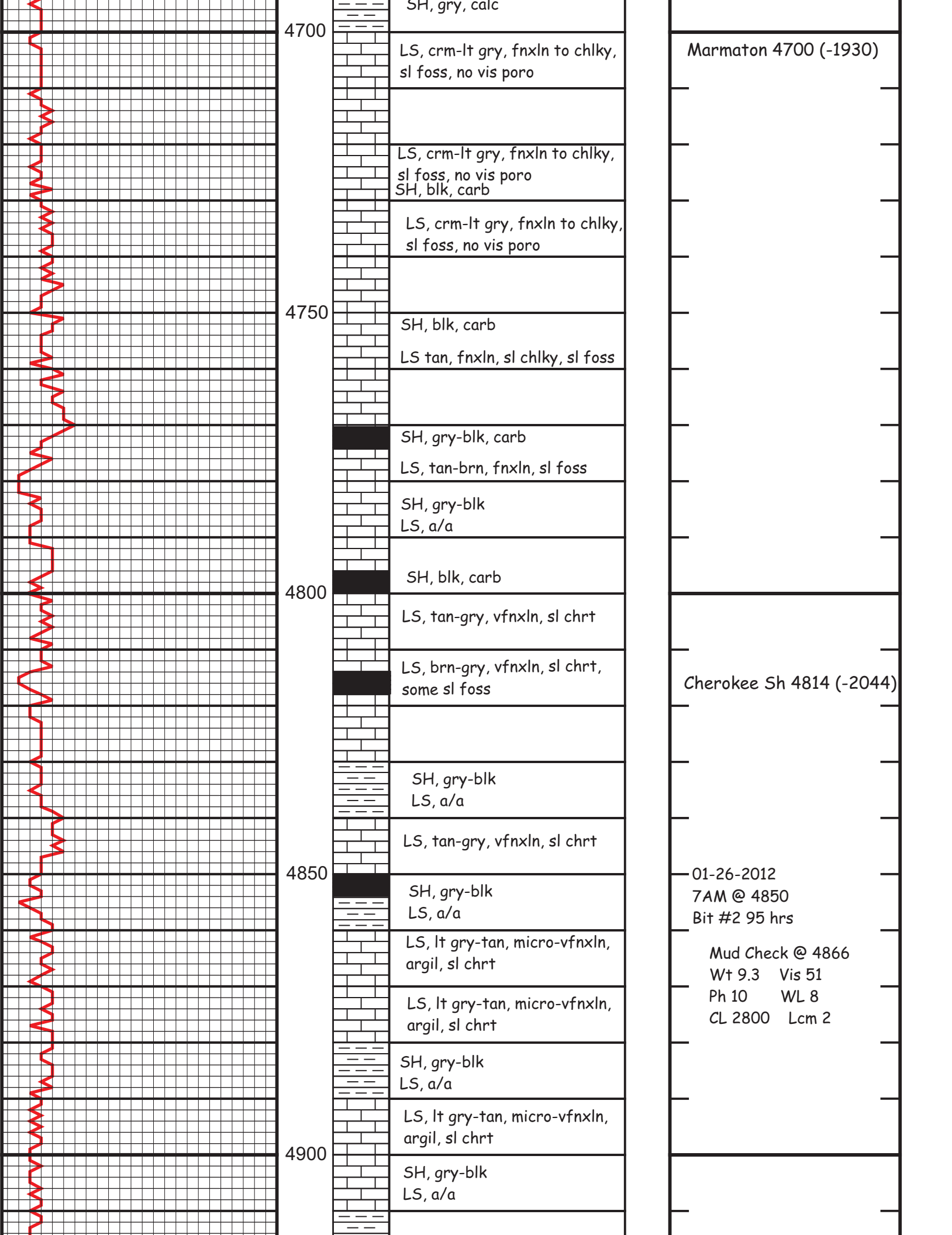
01-25-2012
7AM @ 4505
Bit #2 73.75 HRS

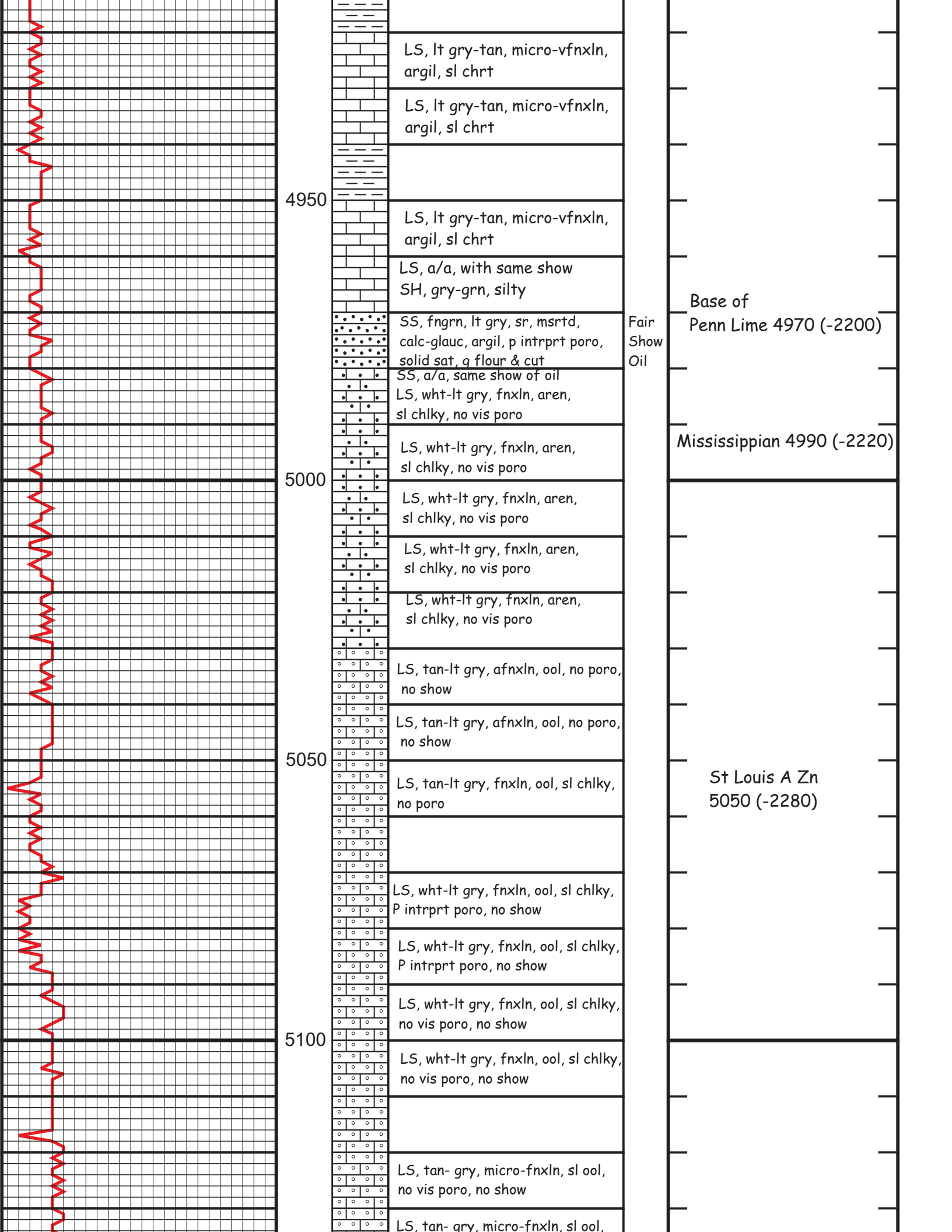
Stark Sh 4530(-1760)

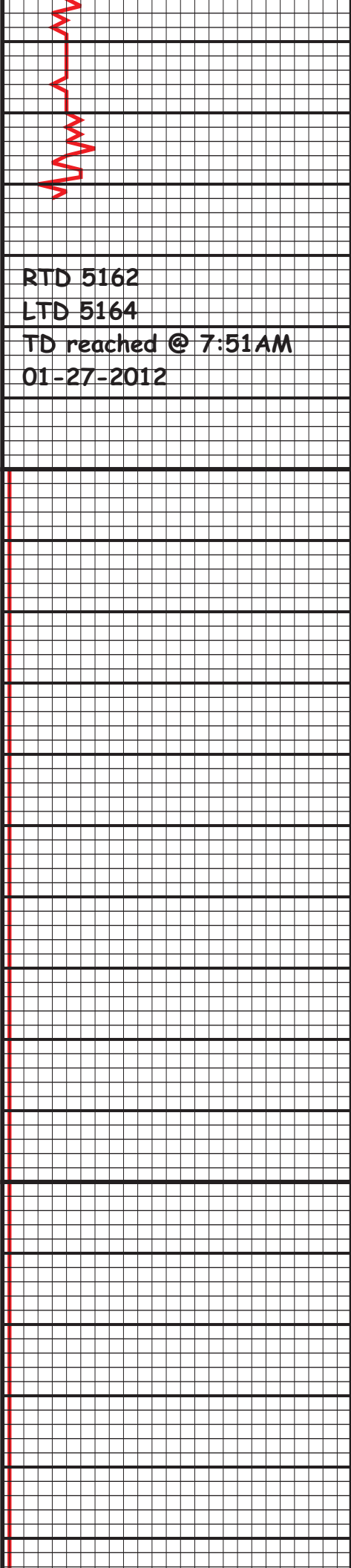
Swope 4533 (-1763)

Mud Check @ 4554
Vis 44 Wt 9.4
Ph 10 WL 8.0
CL 3200 Lcm 2

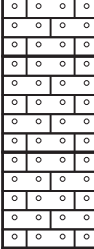
Base of Kansas City
4676 (-1906)







5150



no vis poro, no show

LS, tan- gry, micro-fnxln, sl ool,
no vis poro, no show

RTD 5162
LTD 5164
TD reached @ 7:51AM
01-27-2012

5200

5250

5300

St Louis C Zone
5156 (-2386)
01-27-2012
7AM @ 5150
Bit #2 115.5 hrs

