

GEOLOGICAL REPORT

WellSight Systems

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

Well Name: HOUSE RANCH V 1-30
Location: SECTION 30-T33S-6E
License Number: 15-035-00955-0001
Spud Date: 8/27/2018
Surface Coordinates: 990'FNL 1650'FEL

Region: COWLEY CO, KS
Drilling Completed: 9/1/2018

Bottom Hole
Coordinates:
Ground Elevation (ft): 1267 K.B. Elevation (ft): 1276
Logged Interval (ft): 2340 To: RTD Total Depth (ft): 3565
Formation: ARBUCKLE
Type of Drilling Fluid: CHEM

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

OPERATOR

Company: VAL ENERGY, INC
Address: 125 N. Market Ste. 1110
Wichita, Kansas 67202

GEOLOGIST

Name: JOE M.BAKER
Company: Mako Operating Co., LLC
Address: P.O Box 931
Andover Kansas 67002
316-253-9696

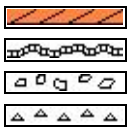
E-Log Tops

ADMIRE SAND	562(+714)
IATAN	1791(-515)
STALNAKER	1821(-545)
KANSAS CITY	2454(-1178)
DODDS CREEK SAND	2468(-1192)
MARMATON /ALTAMONT	2660(-1384)
CHEROKEE SH	2791(-1515)
MISS CHERT	3040(-1764)
MISS LIME	3058(-1782)
KINDERHOOK	3453(-2177)
ARBUCKLE	3508(-2232)
RTD	3565(-2289)
LTD	3570(-2294)

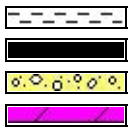
Comments

5 1/2' casing was set to further test the Miss Lm, Miss Chert, Ft Scott, Pawnee and Admire Gas Sand.

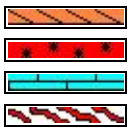
ROCK TYPES



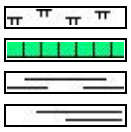
Anhy
Bent
Brec
Cht



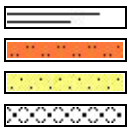
Clyst
Coal
Congl
Dol



Gyp
Igne
Lmst
Meta



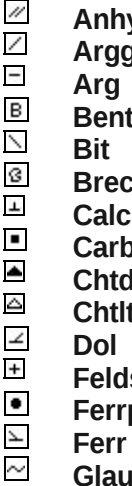
Mrlst
Salt
Shale
Shcol



Shgy
Sltst
Ss
Till

ACCESSORIES

MINERAL

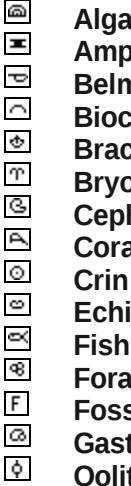


Anhy
Arggrn
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chtdk
Chtlt
Dol
Feldspar
Ferrpel
Ferr
Glau

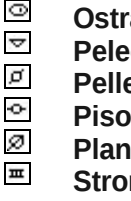


Gyp
Hvymin
Kaol
Marl
Minxl
Nodule
Phos
Pyr
Salt
Sandy
Silt
Sil
Sulphur
Tuff

FOSSIL



Algae
Amph
Belm
Bioclst
Brach
Bryozoa
Cephal
Coral
Crin
Echin
Fish
Foram
Fossil
Gastro
Oolite



Ostra
Pelec
Pellet
Pisolite
Plant
Strom

STRINGER



Anhy
Arg
Bent
Coal
Dol
Gyp
Ls
Mrst



Sltstrg
Ssstrg

TEXTURE



Boundst
Chalky
Cryxln
Earthy
Finexln
Grainst
Lithogr
Microxln
Mudst
Packst
Wackest

OTHER SYMBOLS

POROSITY

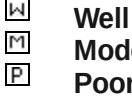


Earthy
Fenest
Fracture
Inter
Moldic
Organic
Pinpoint



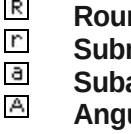
Vuggy

SORTING



Well
Moderate
Poor

ROUNDING



Rounded
Subrnd
Subang
Angular

OIL SHOW



Even



Spotted



Ques



Dead

INTERVAL

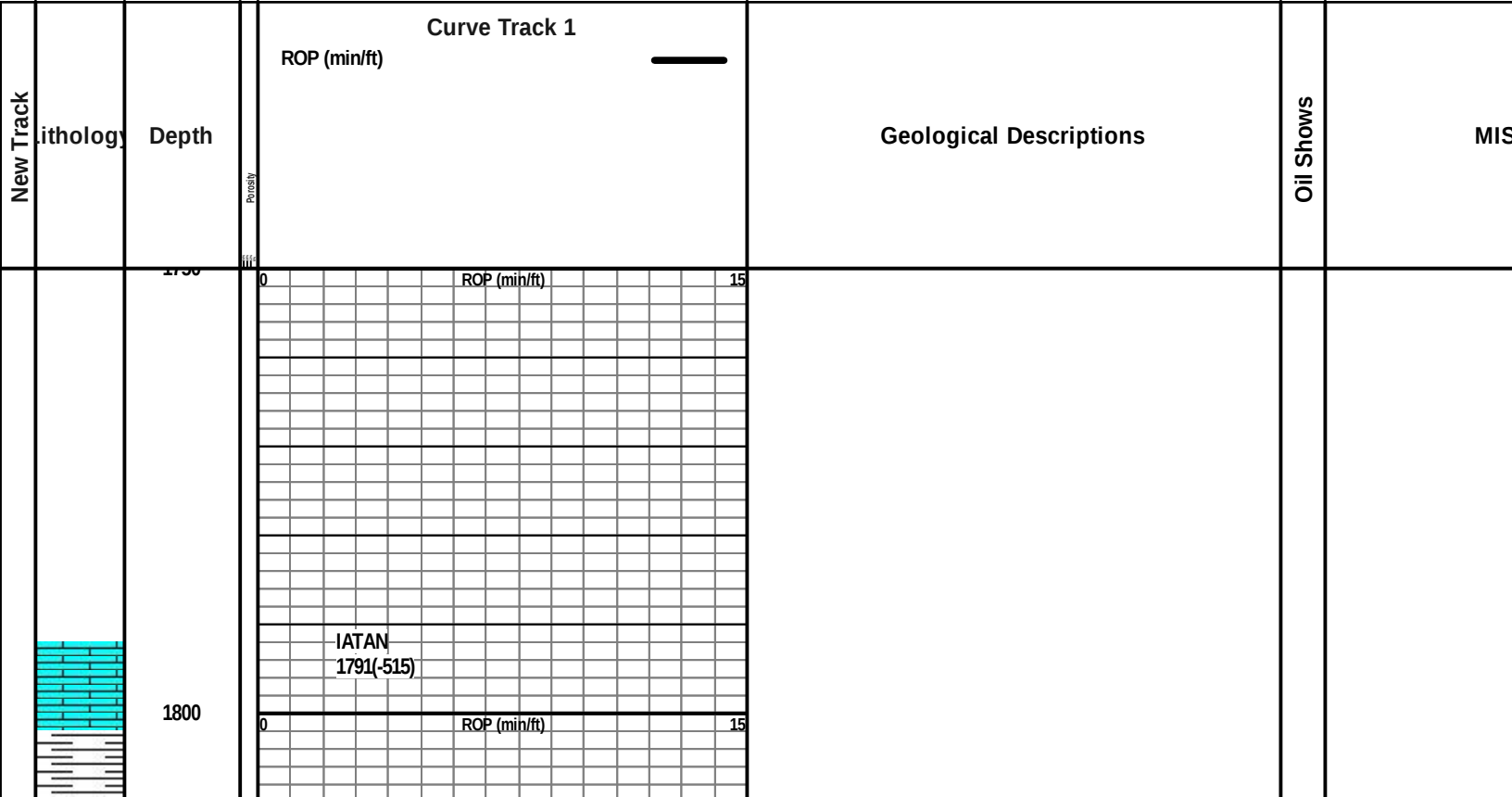


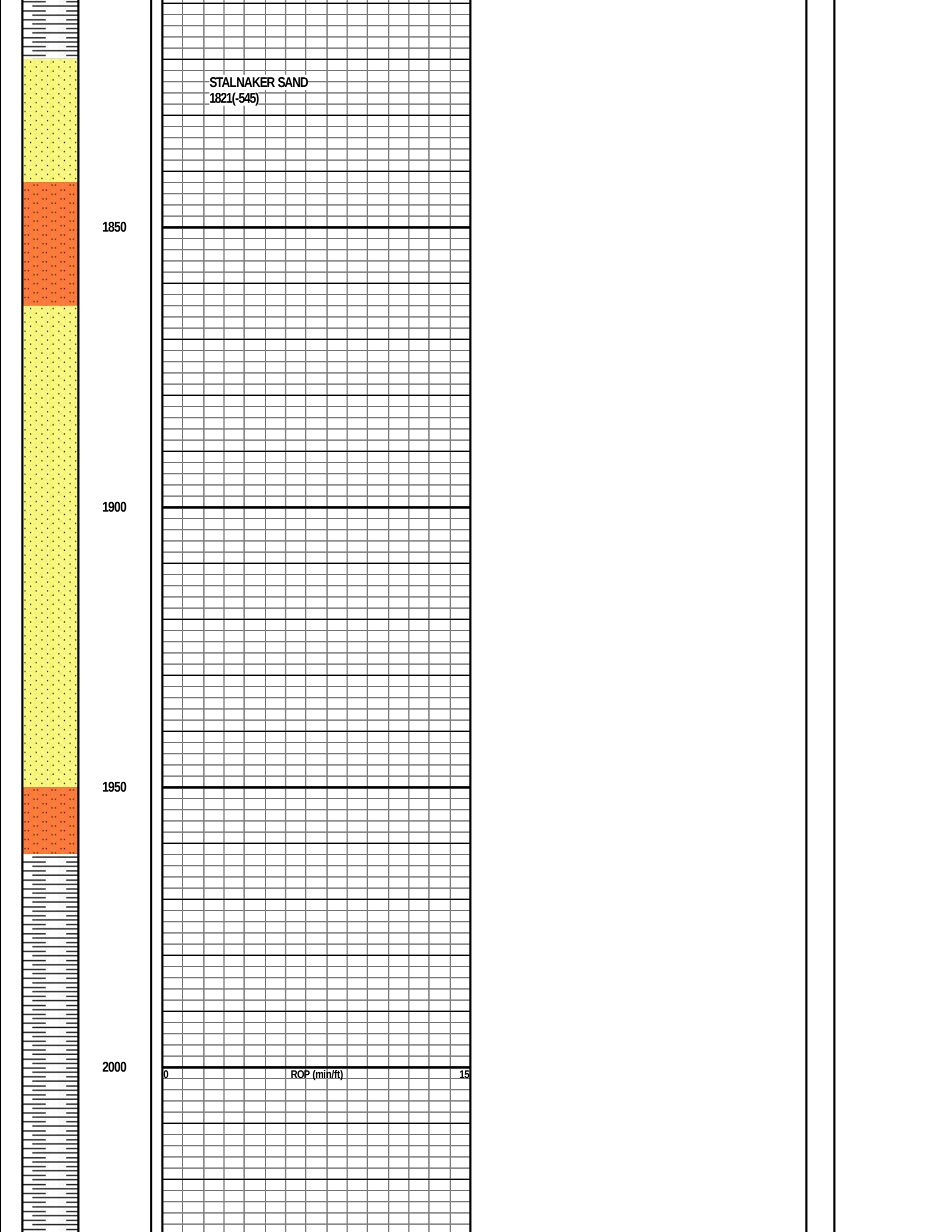
Core
Dst

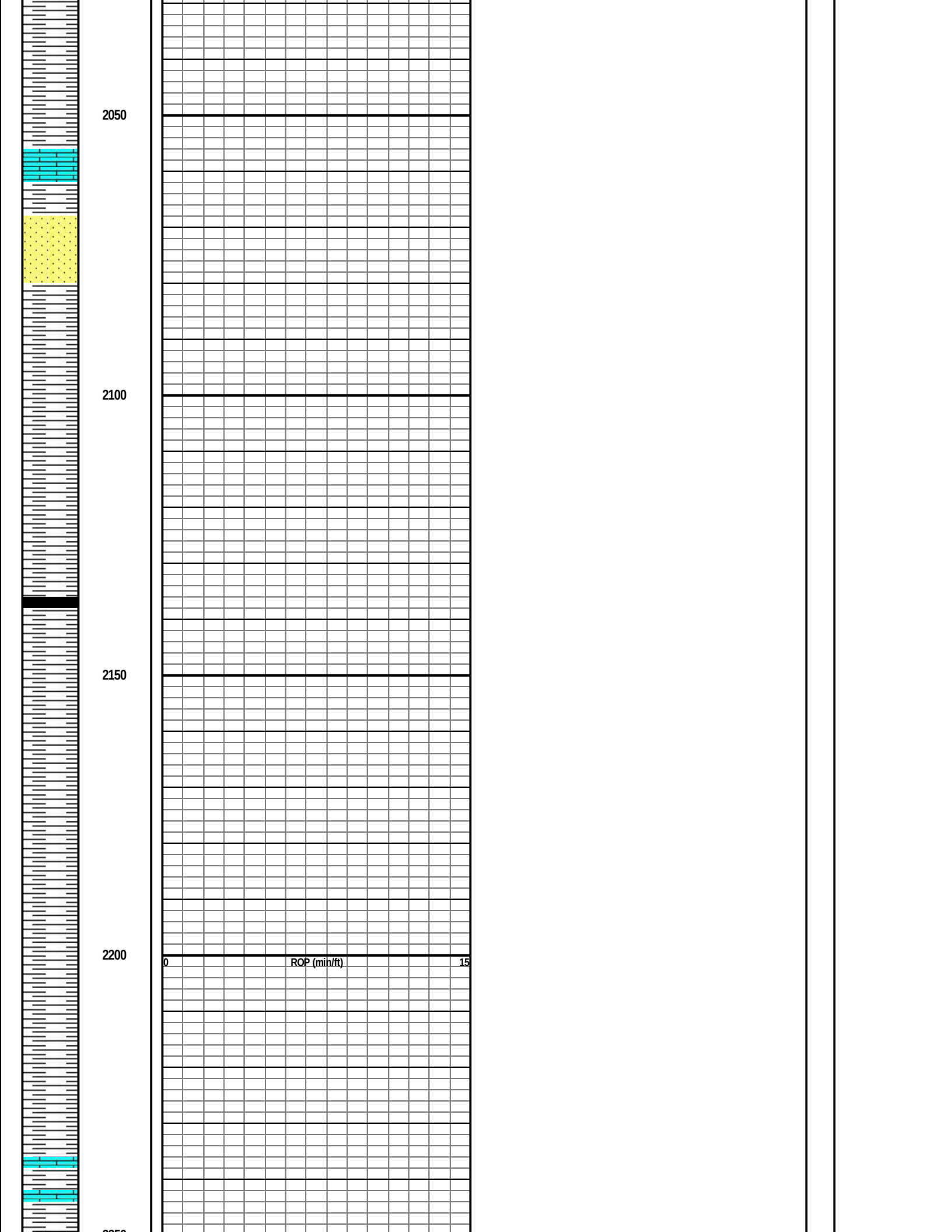
EVENT

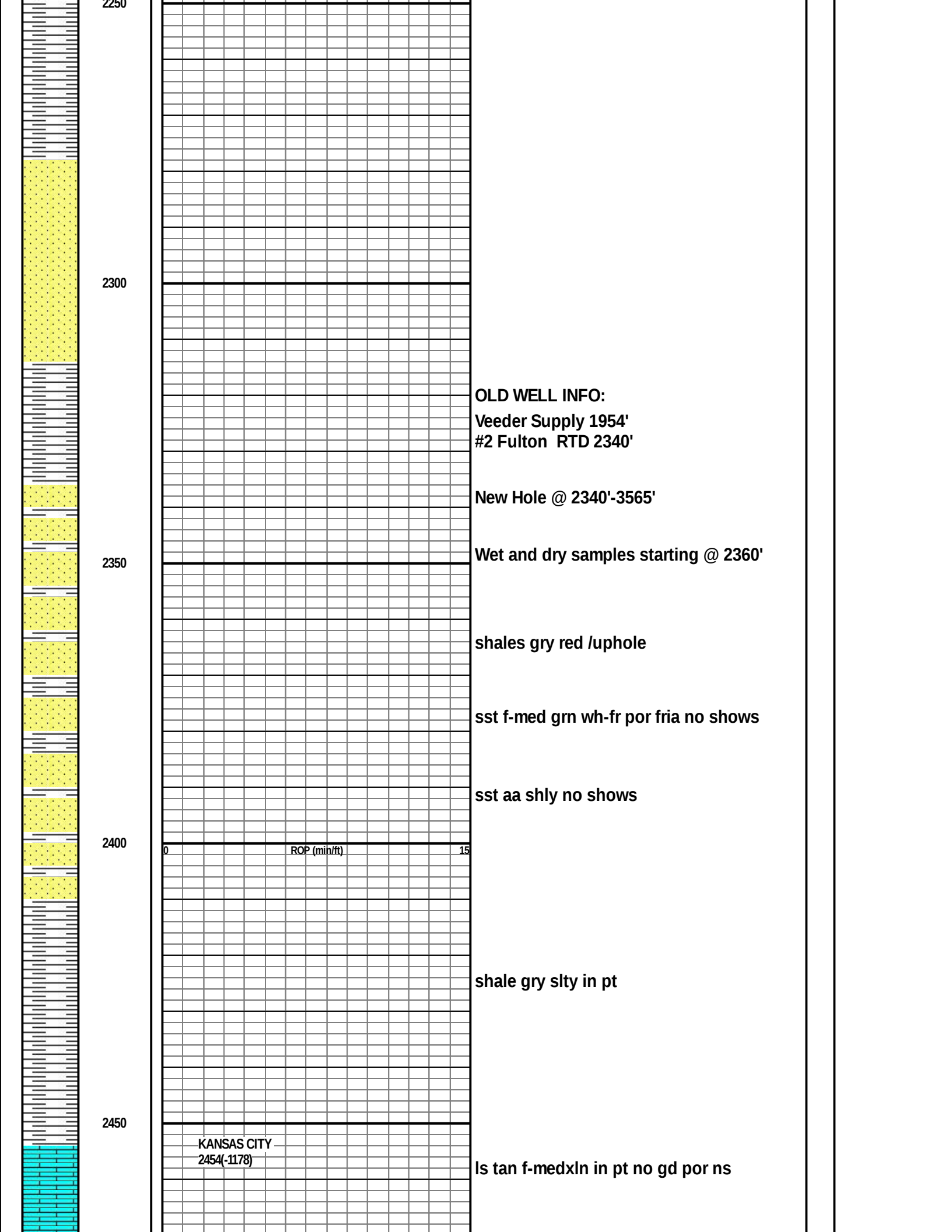


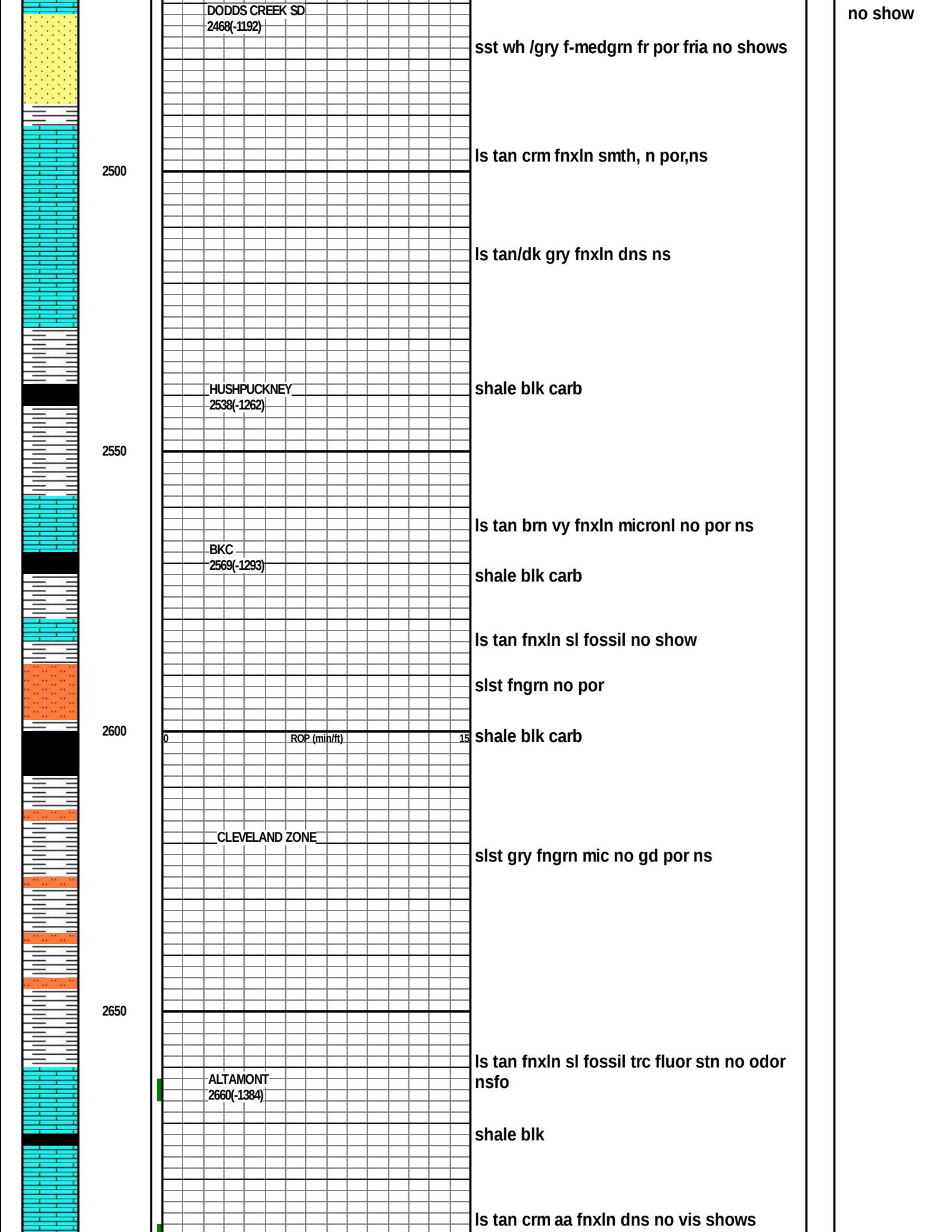
Rft
Sidewall











2700

shale gry fiss

PAWNEE
2722(-1446)

Is crm fnxln/foss, fair odor show free oil
gas bubbs dull fluor ~ 30%

CFS 20/40"

2750

shale blk

FT SCOTT
2758(-1482)

Is crm tan fluor~20%, faint odor,show free
oil,gas bubbs @ brk

CFS 20/40"

2800

CHEROKEE
2791(-1515)

shale blk

Is tan bm fnxln-dns ft odor
chty wh dns fresh

0 ROP (min/ft) 15

sst bm fngm well sorted no shows

CFS 20/40"

shales slst gry no por

2850

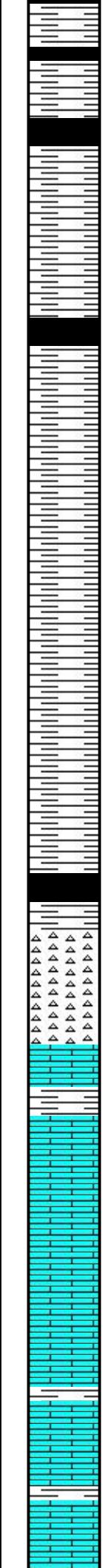
shales/slst aa

shale blk carb

slst fngm gry mic no shows

2900

slst gry



2950

shale /blk shales

shale slst gry fgrn mic ns

sst fgrn fr srted fria few psc w/dull fluor
trace sfo @ brk??

3000

0 ROP (min/ft) 15

shale blk

3050

EROS.Miss
Cht
3040(-1764)

cht wh-varicolored red,orange yellow
fresh ang, trc scat dull fluor @ edges vsso
ft odor

MISS LM
3058(-1782)

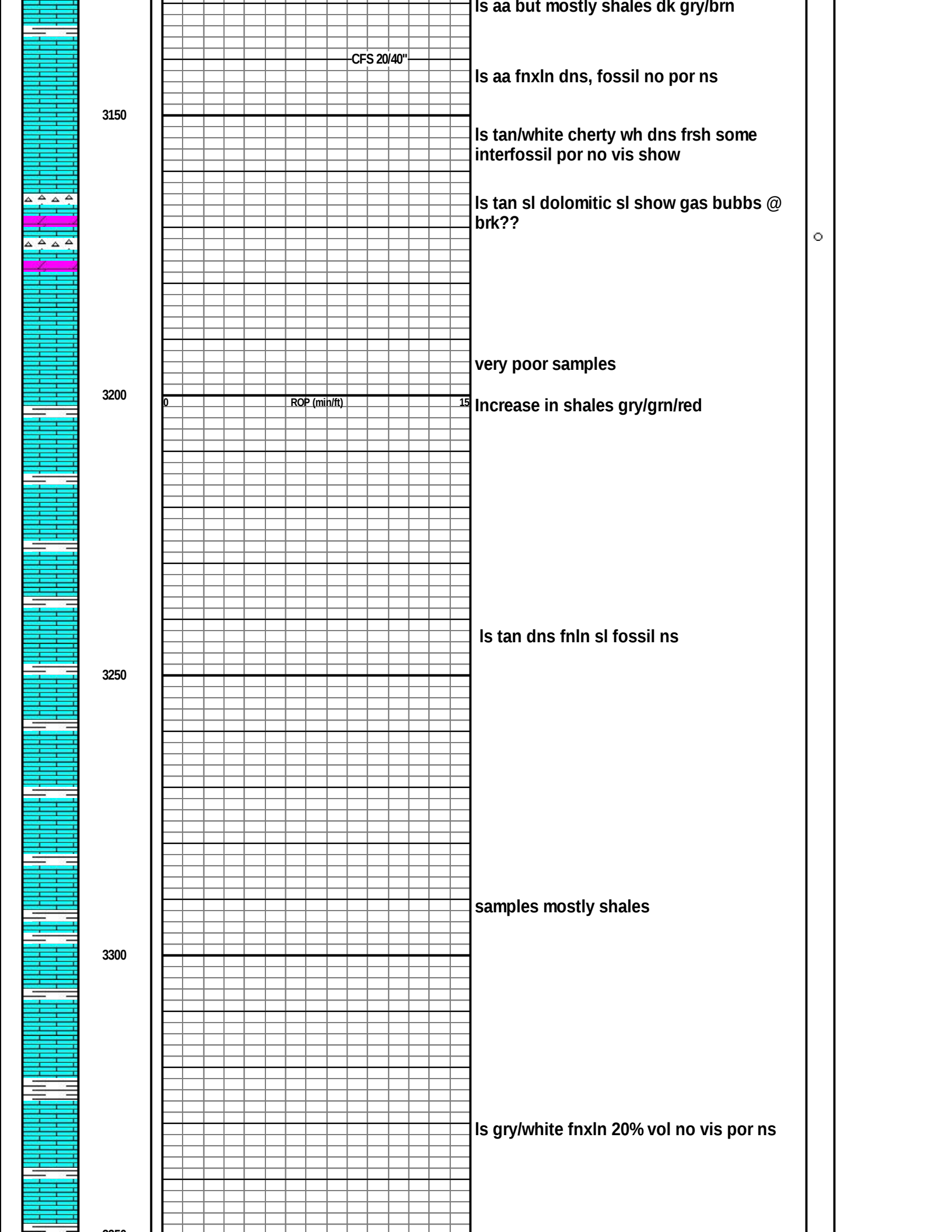
Is tan cherty, mott, f-fmedxln,fossil SSFO
@ brk,sat stain in few psc,lt odor,dull
fluor~ 10%,

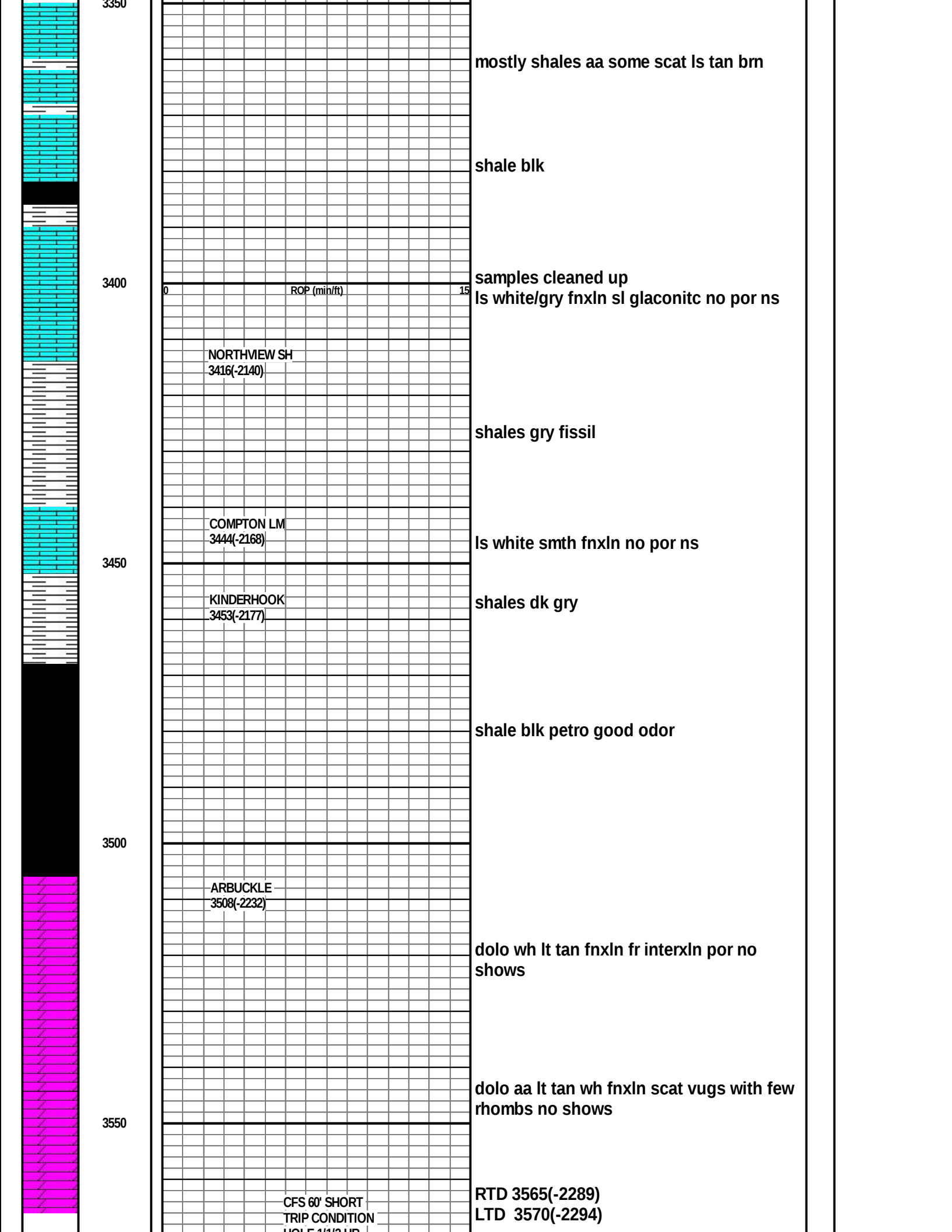
CFS 20/40"

3100

Is aa dk brn/gry,f-fmrdxln,trc fluor,VSSO@
brk,

CFS 20/40"





[illegible]