

GEOLOGICAL REPORT

WellSight Systems

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

Well Name: H0USE RANCH V 2-19
Location: SECTION 19-T33S-6E
License Number: 15-035-21924-0001
Spud Date: 9/4/2018
Surface Coordinates: 1650' FEL 2585' FSL

Region: COWLEY CO, KS
Drilling Completed: 9/7/2018

Bottom Hole
Coordinates:
Ground Elevation (ft): 1283 K.B. Elevation (ft): 1292
Logged Interval (ft): 3180 To: RTD Total Depth (ft): 3580
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	582(+710)
IATAN	1816(-524)
STALNAKER	1846(-554)
KANSAS CITY	2465(-1173)
MARMATON /ALTAMONT	2668(-1376)
CHEROKEE SH	2799(-1507)
MISS CHERT	3058(-1766)
MISS LIME	3070(-1778)
KINDERHOOK	3462(-2170)
ARBUCKLE	3517(-2225)
RTD	3580(-2288)
LTD	3574(-2282)
RTD	3580(-2288)
LTD	3574(-2282)

Comments

51/2" casing was set to complete the Miss Lm, Miss Chert,Ft Scott,Pawnee and Admire Gas Sand.

ROCK TYPES

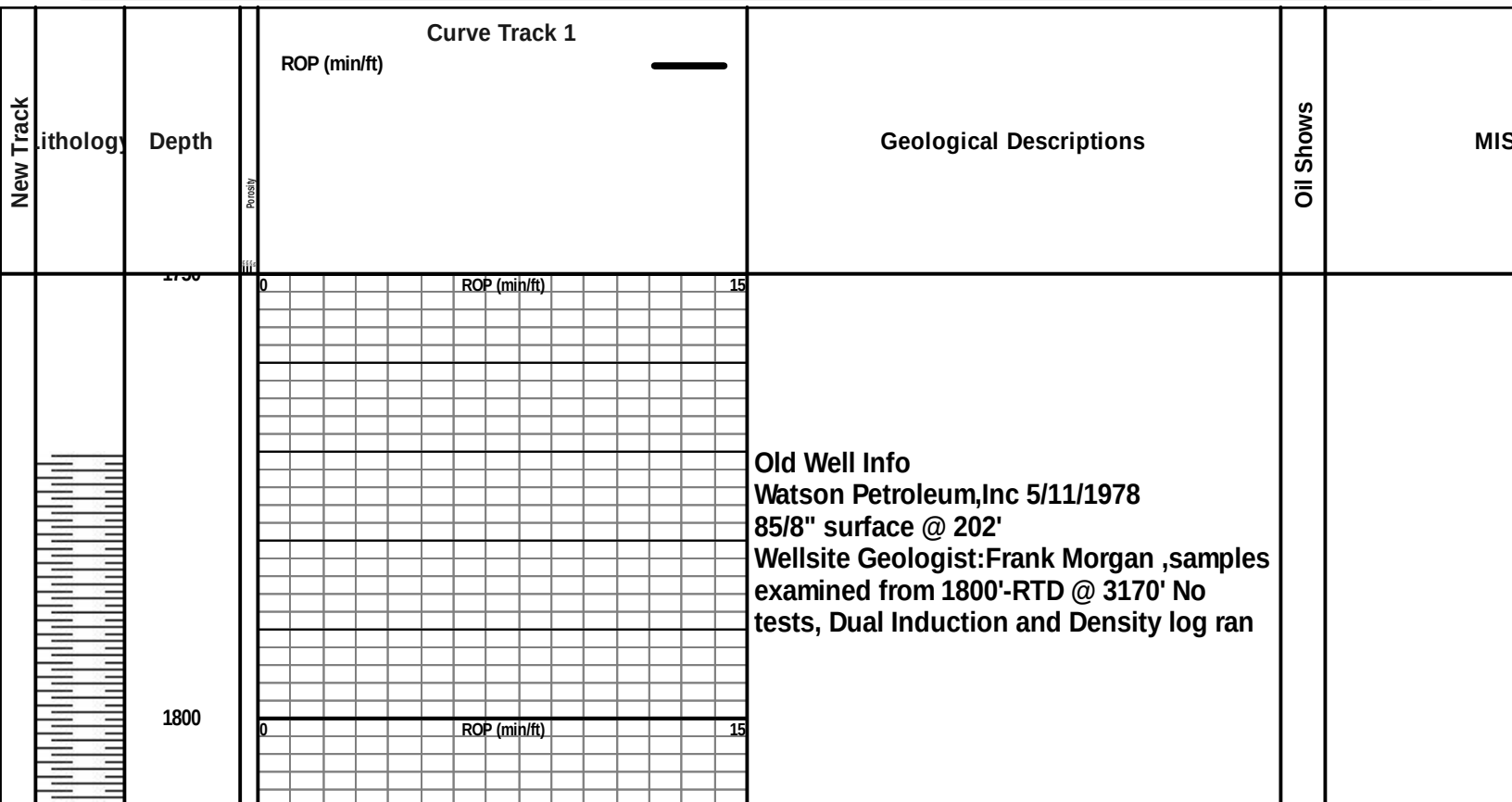
	Anhy		Clyst		Gyp		Mrlst		Shgy
	Bent		Coal		Igne		Salt		Sltst
	Brec		Congl		Lmst		Shale		Ss
	Cht		Dol		Meta		Shcol		Till

ACCESSORIES

MINERAL			FOSSIL				TEXTURE	
	Anhy		Gyp		Algae			Sltstrg
	Arggrn		Hvymin		Amph			Ssstrg
	Arg		Kaol		Belm			
	Bent		Marl		Bioclst			
	Bit		Minxl		Brach			
	Brecfrag		Nodule		Bryozoa			
	Calc		Phos		Cephal			
	Carb		Pyr		Coral			
	Chtdk		Salt		Crin			
	Chtlt		Sandy		Echin			
	Dol		Silt		Fish			
	Feldspar		Sil		Foram			
	Ferrpel		Sulphur		Fossil			
	Ferr		Tuff		Gastro			
	Glau				Oolite			
								</

OTHER SYMBOLS

POROSITY		Vuggy	ROUNDING		Spotted	EVENT	
Earthy			Rounded		Ques	Rft	
Fenest		SORTING	Subrnd		Dead	Sidewall	
Fracture		Well	Subang				
Inter		Moderate	Angular		INTERVAL		
Moldic		Poor			Core		
Organic			OIL SHOW		Dst		
Pinpoint			Even				





1850

1900

1950

2000

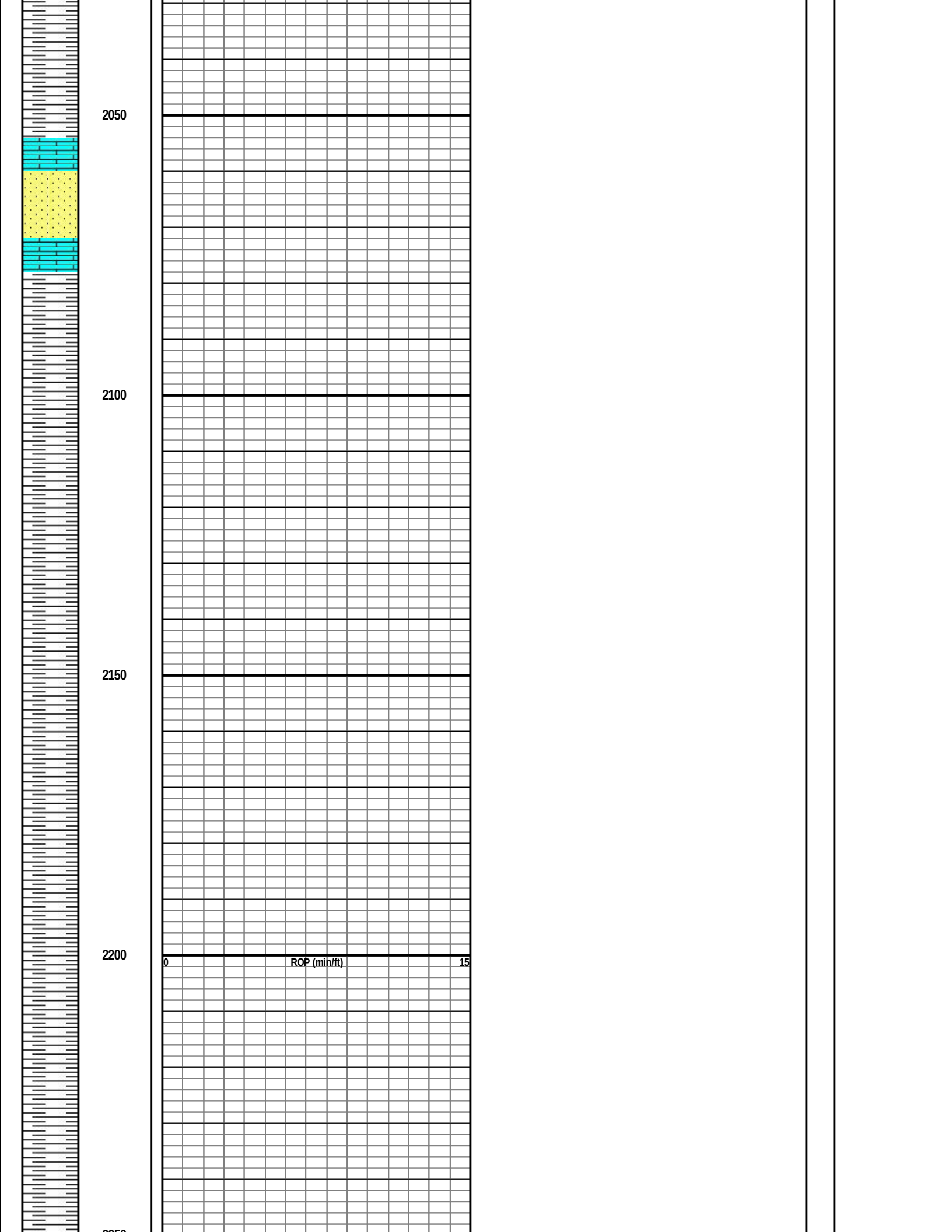
IATAN
18169-524)

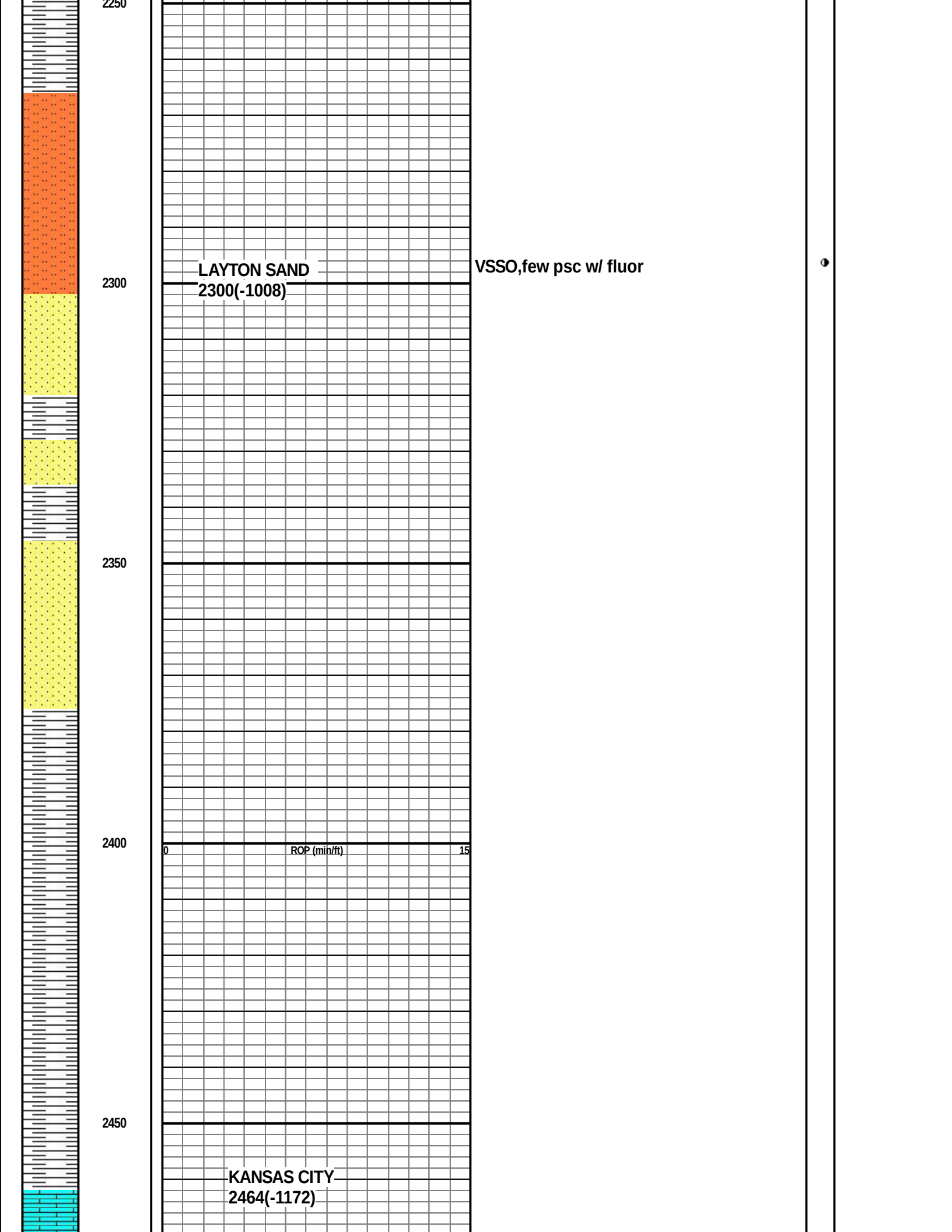
STALNAKER SAND
1846(-554)

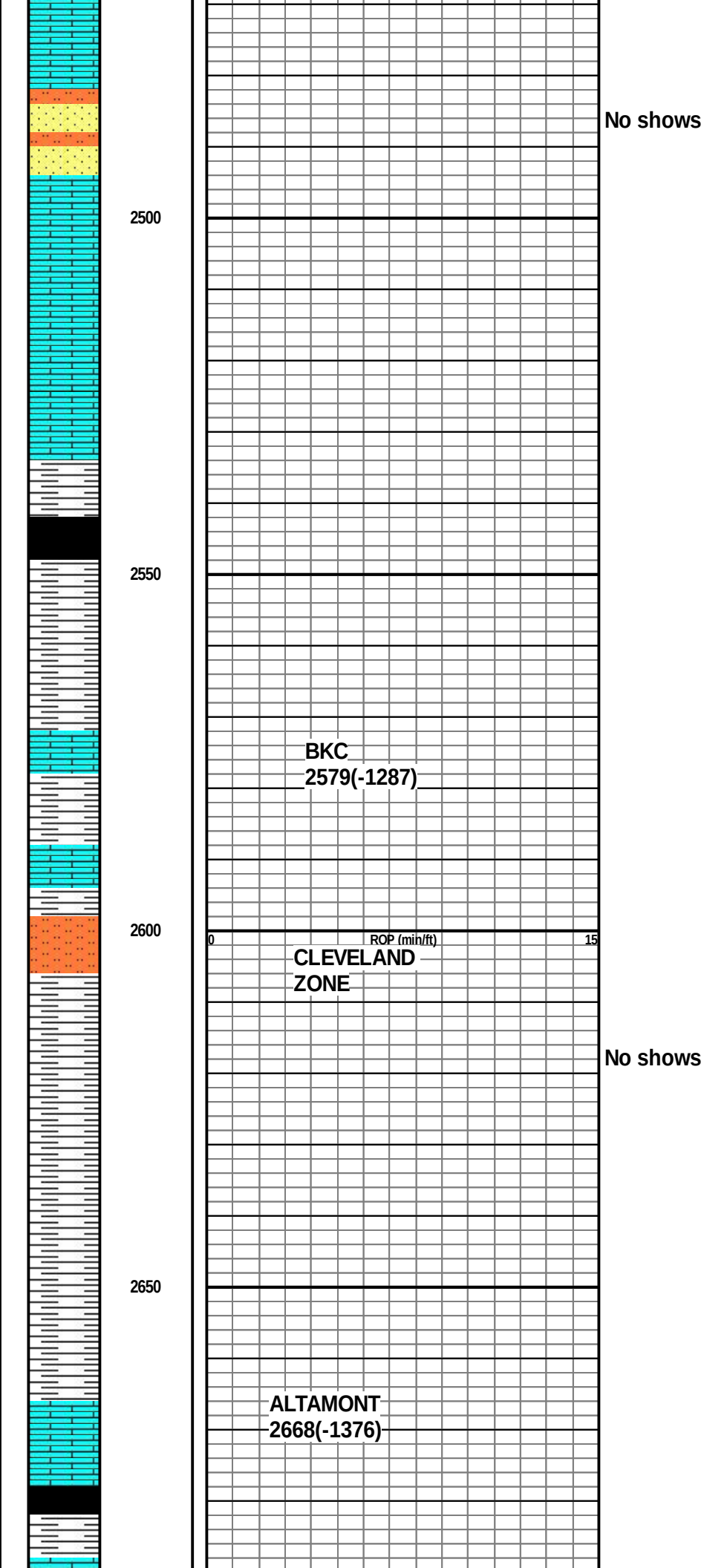
SAMPLES SHOWS FROM 1800-3170 ARE
FROM FRANK MORGANS GEOLOGICAL
STRIP LOG

No shows

0 ROP (min/ft) 15







2700

Ls tan vy fine vuggy porosity,show free oil,fluor, odor

PAWNEE
2728(-1436)

2750

Ls pnk dns,trace stn on fracture surface no odor

FT SCOTT
2764(-1472)

Ls wh-pnk,sucrosic SSO frac surface poor por

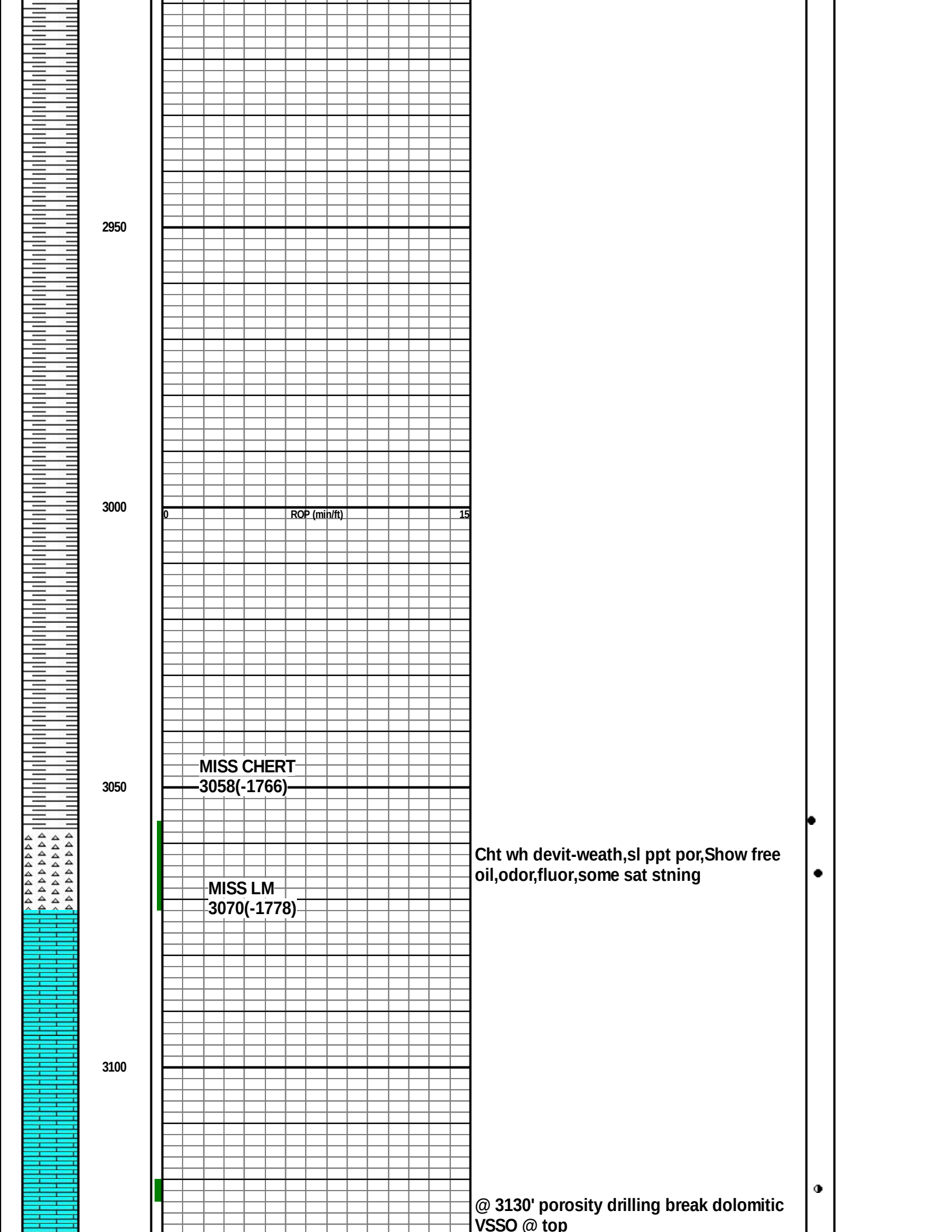
2800

ROP (min/ft) 0 15

CHEROKEE
2799(-1507)

2850

2900



3150

Old RTD 3170'/LTD 3168'

DRILL NEW HOLE

LS TAN BRN FNXLN FOSSIL BRITTLE/DOLOMITIC IN PT NO VIS SHOWS

3200

ROP (min/ft) CFS 20/40" 15

LS DK BRN FNXLN SL DOLO INTERXLN POR NO SHOWS

LS DK BRN FNXLN SUBFOSSIL CHERT WH FRESH FOSS NO GD POR NO SHOWS SAMPLES MOSTLY SHALE

LS DK BRN FNXLN AA SOME PYRITE SAMPLE SHLY

3250

LS DK BRN FNXLN AA ABUND CHERTS WH DEVIT SUBOOL NO SHOWS

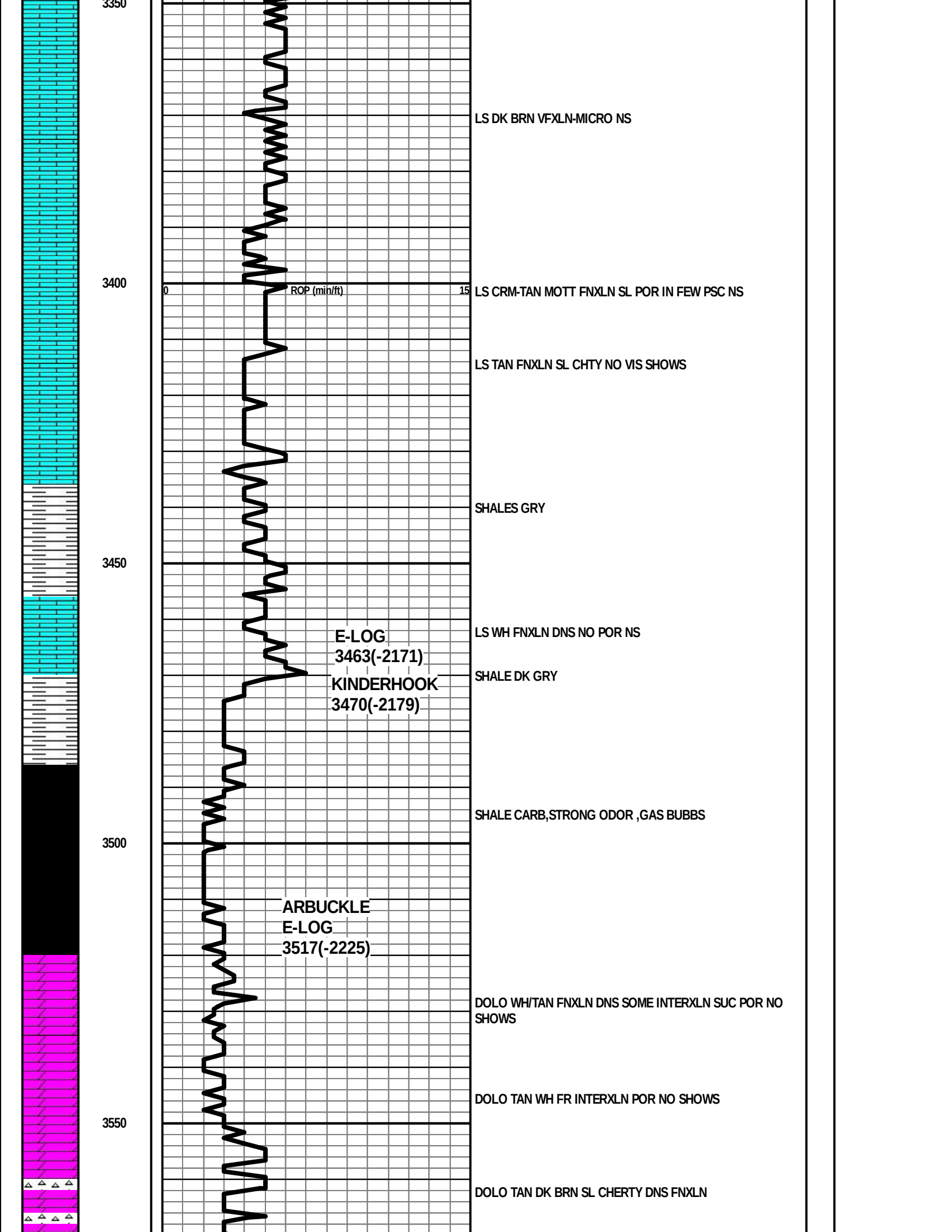
LS VY DK BRN VFNXLN DNS MICROXLN BRITTLE

3300

LS AA MICROLN

LS AA DK BRN MICROLN

LS CRM WH MOTT,F-FMRDLN SL INETRXLN POR FOSS SL CHERTY NO VIS SHOWS



3600



CFS 60' SHORT
TRIP CONDITION
HOLE 1 1/2 HR
COME OUT FOR
LOG

RTD 3580 (-2288)
LTD 3574(-2282)

Rotary found old RTD @ 3178 8' deep to reported RTD@ 3170. Log was 6' shallow to RTD so seems the rig had a long measurement of 6-8'

0

ROP (min/ft)

15