

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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GEOLOGICAL REPORT

WellSight Systems

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

Well Name: HOUSE 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

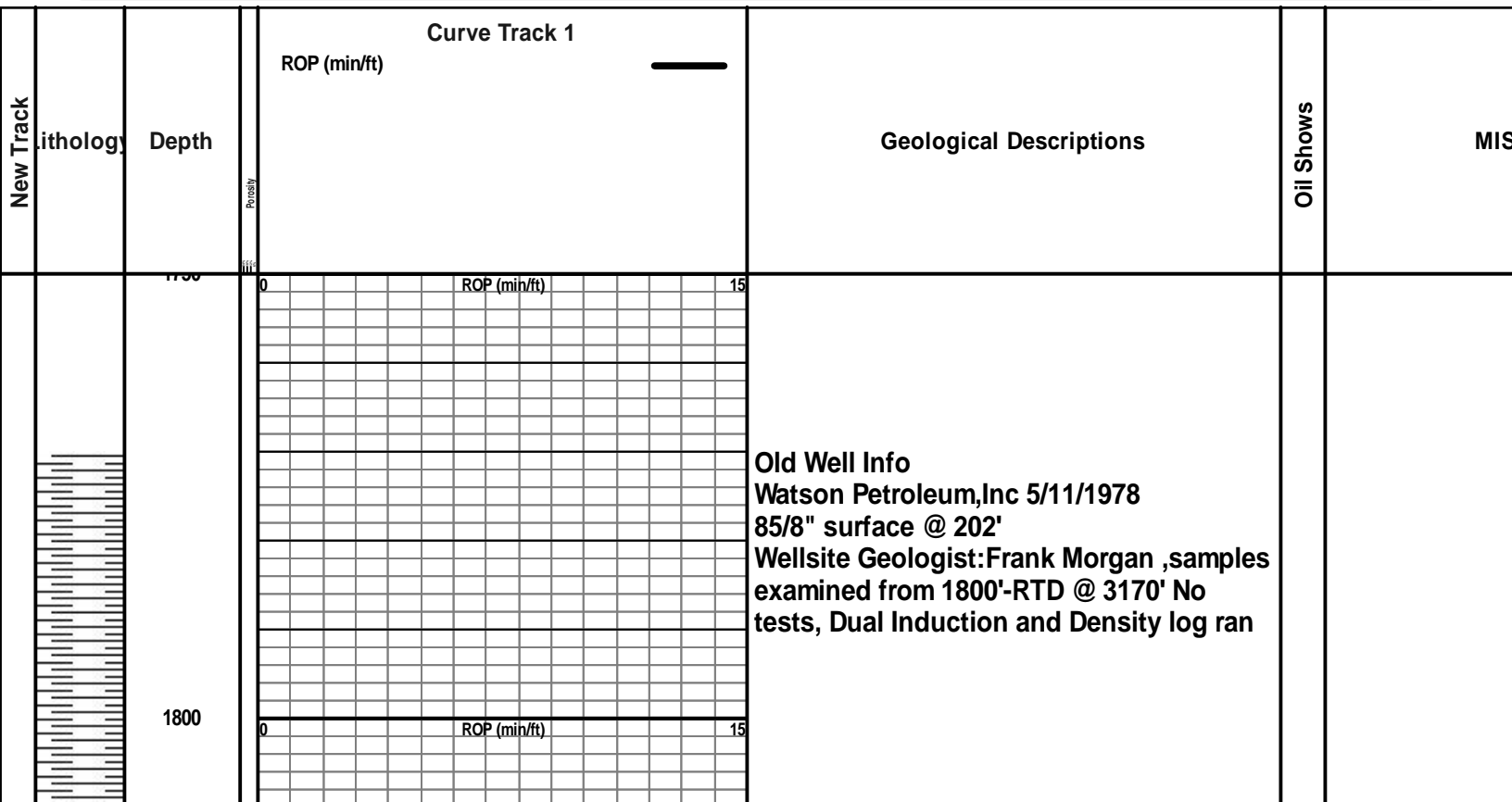
	Anhy		Clyst		Gyp		Mrlst		Shgy
	Bent		Coal		Igne		Salt		Sltst
	Brec		Congl		Lmst		Shale		Ss
	Cht		Dol		Meta		Shcol		Till

ACCESSORIES

MINERAL		Gyp	FOSSIL		Ostra		Sltstrg
	Anhy		Hvymin		Pelec		Ssstrg
	Arggrn		Kaol		Pellet	TEXTURE	
	Arg		Marl		Pisolite		Boundst
	Bent		Minxl		Plant		Chalky
	Bit		Nodule		Strom		Cryxln
	Brecfrag		Phos	STRINGER			Earthy
	Calc		Pyr		Anhy		Finexln
	Carb		Salt		Arg		Grainst
	Chtdk		Sandy		Bent		Lithogr
	Chtlt		Sil		Coal		Microxln
	Dol		Sulphur		Dol		Mudst
	Feldspar		Tuff		Gyp		Packst
	Ferrpel				Ls		Wackst
	Ferr				Mrst		
	Glau						

OTHER SYMBOLS

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



IATAN
18169-524)

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

No shows

STALNAKER SAND
1846(-554)

1850

1900

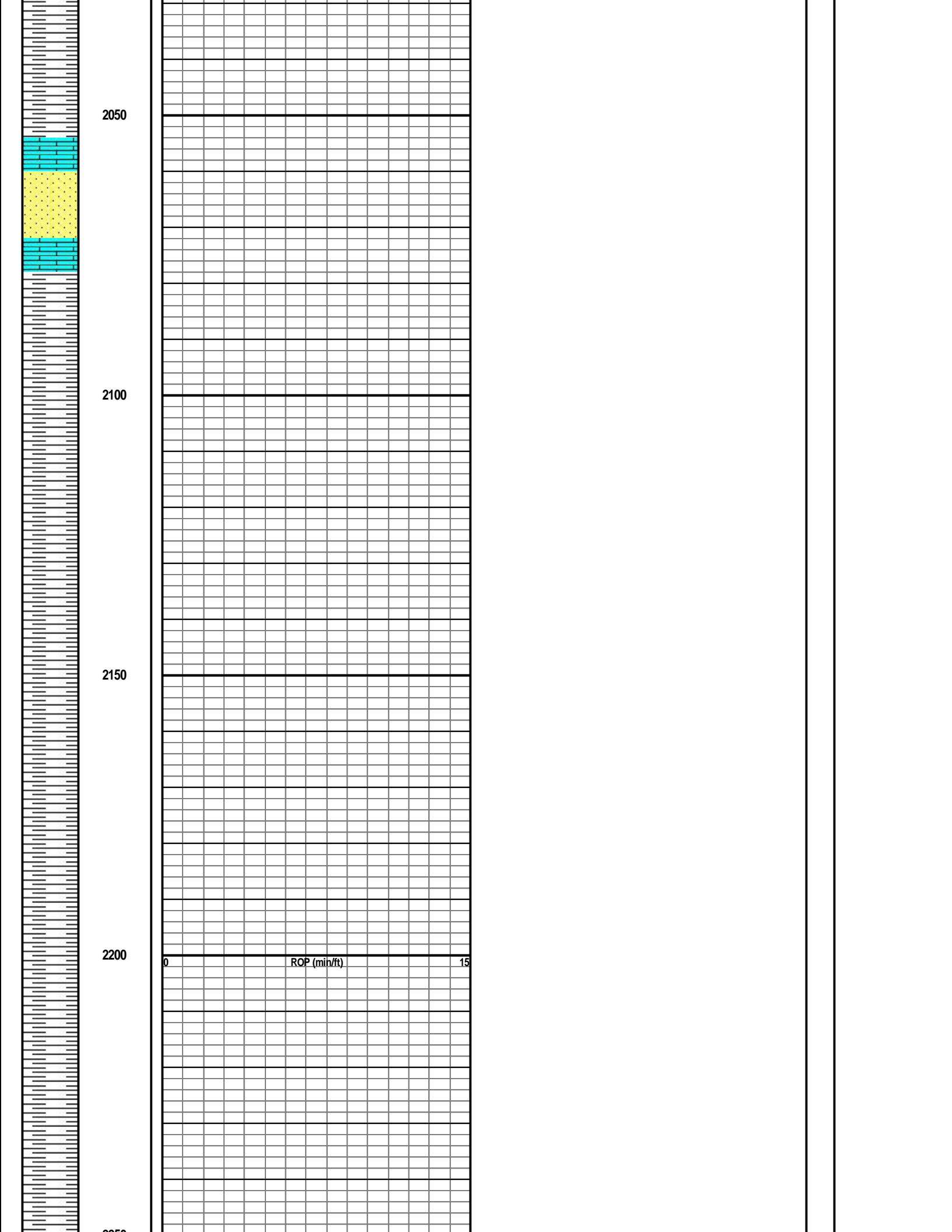
1950

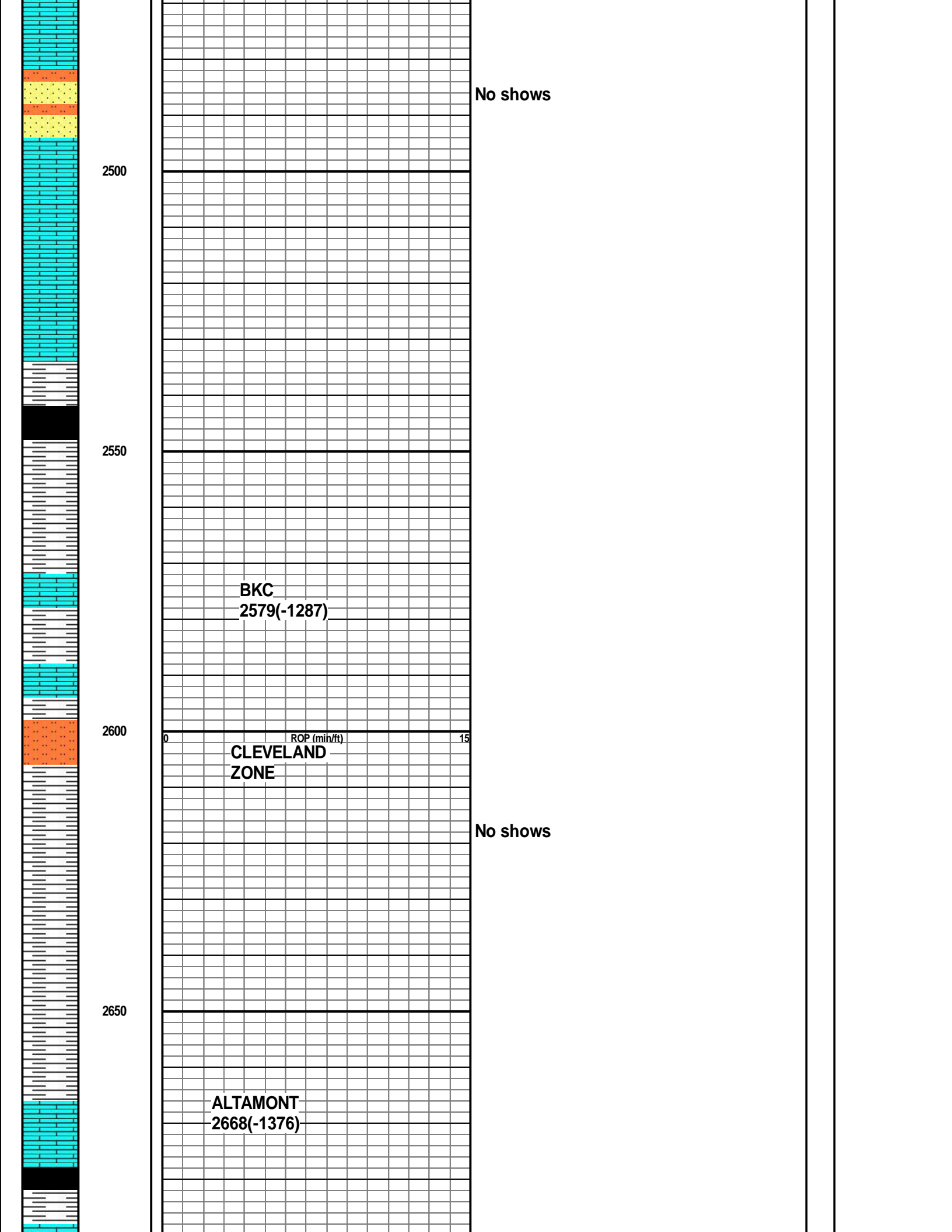
2000

0

ROP (min/ft)

15





No shows

2500

2550

BKC
2579(-1287)

2600

0 ROP (min/ft) 15

CLEVELAND
ZONE

No shows

2650

ALTAMONT
2668(-1376)

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

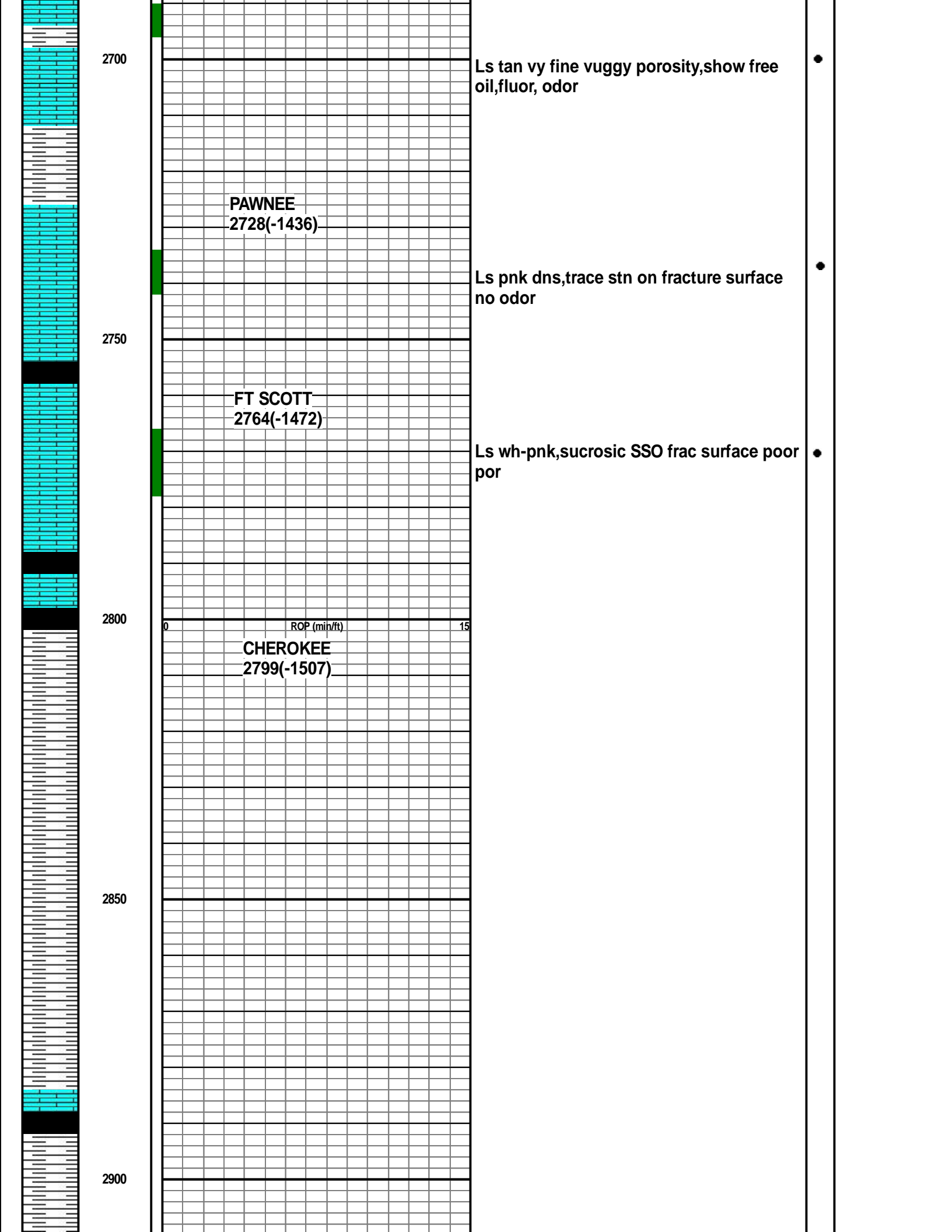
2800

0 ROP (min/ft) 15

CHEROKEE
2799(-1507)

2850

2900



2950

3000

3050

3100

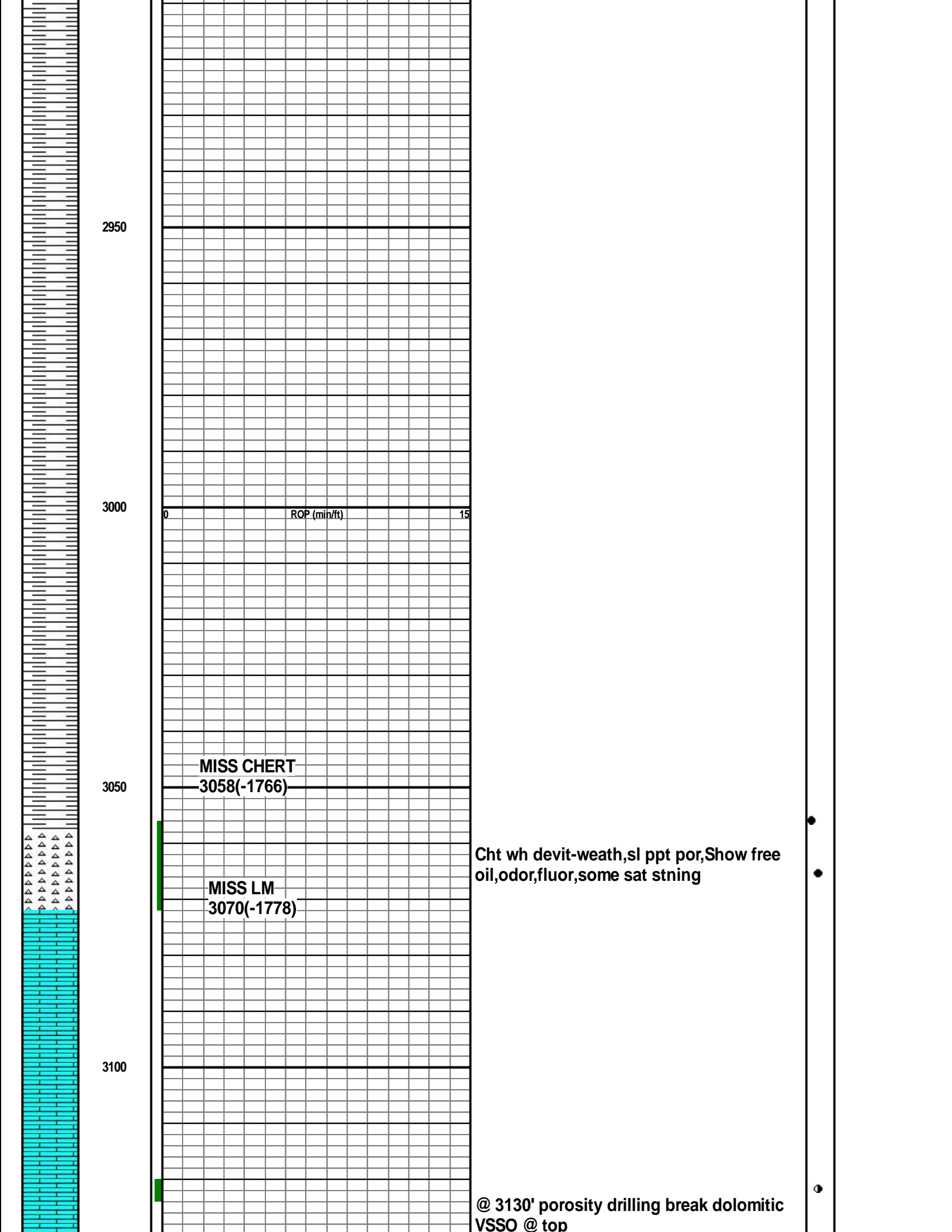
ROP (min/ft) 0 15

MISS CHERT
3058(-1766)

MISS LM
3070(-1778)

Cht wh devit-weath,sl ppt por,Show free oil,odor,fluor,some sat stning

@ 3130' porosity drilling break dolomitic VSSO @ top



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 VFNLN DNS MICROXLN BRITTLE

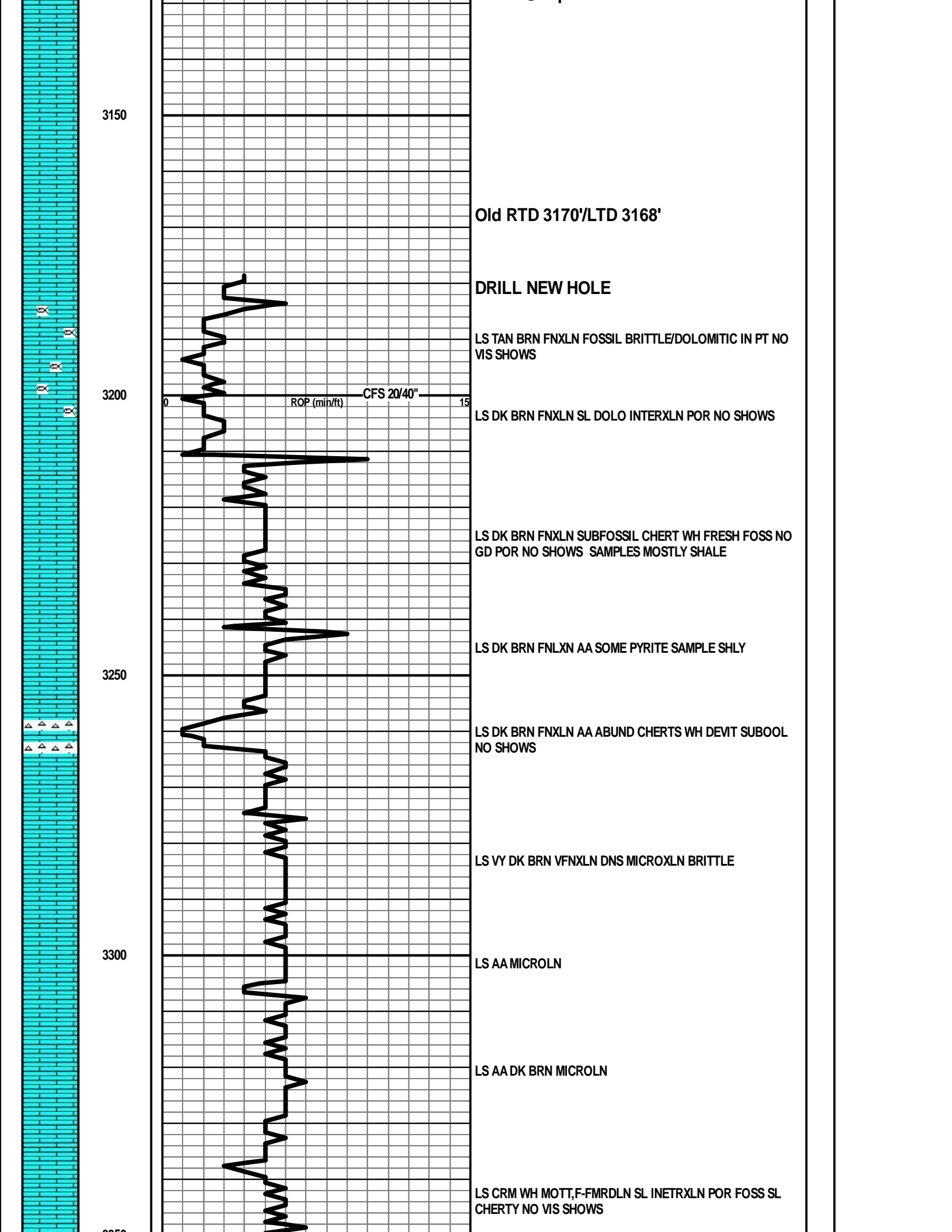
3300

LS AA MICROLN

LS AA DK BRN MICROLN

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

3350



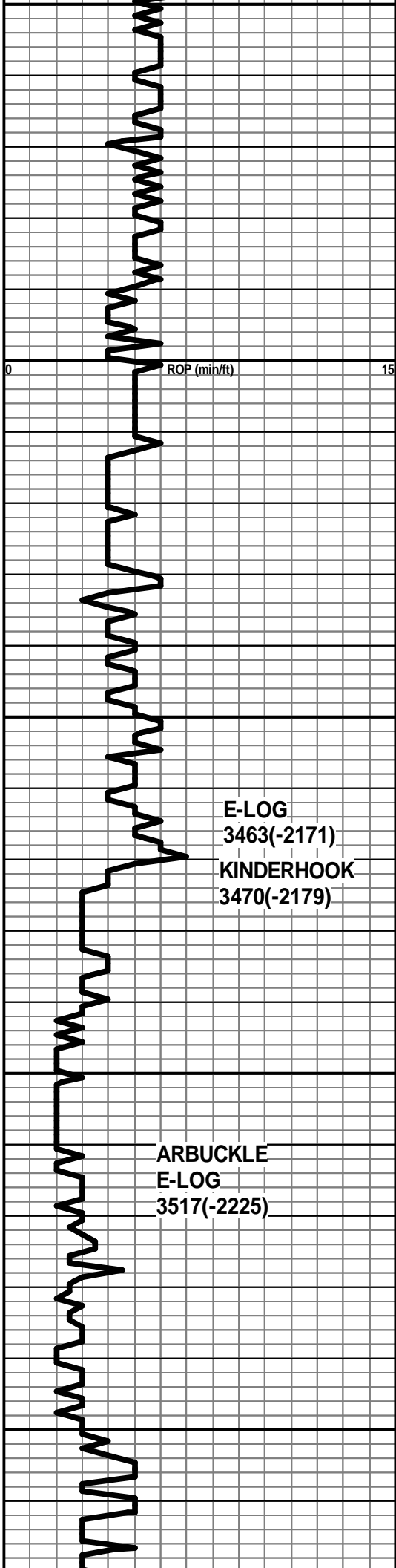
3350

3400

3450

3500

3550



0

ROP (min/ft)

15

LS DK BRN VFXLN-MICRO NS

LS CRM-TAN MOTT FNXLN SL POR IN FEW PSC NS

LS TAN FNXLN SL CHTY NO VIS SHOWS

SHALES GRY

LS WH FNXLN DNS NO POR NS

SHALE DK GRY

SHALE CARB,STRONG ODOR ,GAS BUBBS

DOLO WH/TAN FNXLN DNS SOME INTERXLN SUC POR NO SHOWS

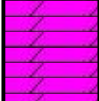
DOLO TAN WH FR INTERXLN POR NO SHOWS

DOLO TAN DK BRN SL CHERTY DNS FNXLN

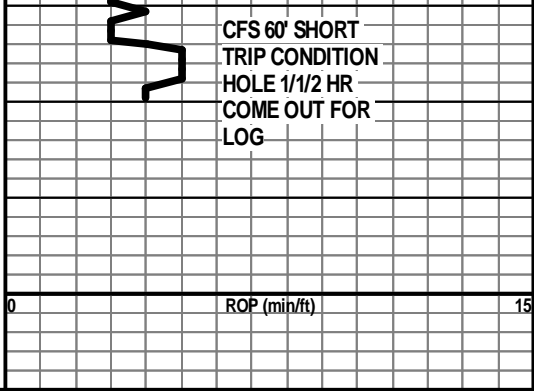
E-LOG
 3463(-2171)
 KINDERHOOK
 3470(-2179)

ARBUCKLE
 E-LOG
 3517(-2225)





3600



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'

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report

Ticket No. **4121**
 Foreman Kevin McCoy
 Camp EUREKA

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
9-7-18	1217	House Ranch V-2-19				Cowley	Ks
Customer <u>VAL Energy, Inc.</u>			Safety Meeting KM DG JH CG	Unit #	Driver	Unit #	Driver
Mailing Address <u>125 N. MARKET ST. STE 110</u>				105	DAVE G		
City <u>Wichita</u>				112	JASON H		
State <u>Ks</u>				110	CALEB G		
Zip Code <u>67202</u>							

Job Type <u>Longstring</u>	Hole Depth <u>3579'</u>	Slurry Vol. <u>44 BBL Stage #1 73 BBL Stage #2</u>	Tubing _____
Casing Depth <u>3542' G.L.</u>	Hole Size <u>7 7/8"</u>	Slurry Wt. <u>13.8 * Stage #1 12.8 * Stage #2</u>	Drill Pipe _____
Casing Size & Wt. <u>5 1/2 used</u>	Cement Left in Casing <u>32.40' SJ</u>	Water Gal/SK _____	Other _____
Displacement <u>87 BBL Stage #1 20 BBL Stage #2</u>	Displacement PSI _____	Bump Plug to _____	BPM _____

Remarks: Safety Meeting: 5 1/2 Casing Set @ 3542' G.L. DV Tool Set @ 784 below G.L. Rig up to 5 1/2 casing. Break Circulation w/ 15 BBL Fresh water. Mixed 140 SKS THICK Set Cement w/ 2# PhenoSeal /SK @ 13.8 * /GAL, yield 1.75 = 44 BBL Slurry. Wash out Pump & Lines. Shut Down. Release Latch down Flex Plug. Displace Plug to Seat w/ 87 BBL Fresh water. (First 40 BBL w/ KCL). FINAL Pumping Pressure 700 PSI. Bump Plug to 1200 PSI. Release Pressure. Float & Plug Held. DRIP TRIP Bomb. wait 5 mins. open DV Tool @ 1400 PSI. Circulate w/ mud Pump for 45 mins. Stage #1 Complete. Stage #2 Break Circulation w/ 10 BBL Fresh water. Mixed 235 SKS 60/40 Pozmix Cement w/ 6% Gel, 2# PhenoSeal /SK @ 12.8 * /GAL, yield 1.73 = 73 BBL Slurry, wash out Pump & Lines. Shut down. Release Casing Plug. Displace Plug to Seat w/ 20 BBL Fresh water. Close Tool @ 1400 PSI. Bump Plug to 1600 PSI. Release Pressure. Tool Closed. 25 BBL Slurry to Pit. Job Complete. Rig down.
Centralizers on #2, 5, 8, 11, 14, 85 BASKETS on Top of #3, 85 DV TOOL on Top of #87

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge Stage #1	1100.00	1100.00
C 107	60	Mileage	4.20	252.00
C 102	1	Pump Charge Stage #2	785.00	785.00
C 201	140 SKS	THICK Set Cement Stage #1	20.50	2870.00
C 208	280 *	PhenoSeal 2#/SK	1.30	364.00
C 203	270 SKS	60/40 Pozmix Cement } 235 SKS Top Stage	13.40	3618.00
C 206	1395 *	Gel 6% } Stage #2	.21	292.95
C 208	540 *	PhenoSeal 2#/SK } 20 SKS R.H. 15 SKS M.H.	1.30	702.00
C 108 B	19.31 TONS	Ton Mileage 60 miles	1.40	1622.04
C 222	5 gals	KCL (in first 40 BBL of Displacement water)	30.00	150.00
C 691	1	5 1/2 Guide Shoe	175.00	175.00
C 703	1	5 1/2 AFU INSERT Flapper Valve w/ Latch down	152.00	152.00
C 604	2	5 1/2 Cement BASKETS	236.00	472.00
C 504	6	5 1/2 x 7 7/8 CENTRALIZERS	50.00	300.00
C 776	1	5 1/2 DV TOOL w/ Plugs	3490.00	3490.00
			Sub TOTAL	16,344.99
			Less 5%	858.15
			Sales Tax	818.09
			6.5%	
Authorization <u>Rick Smith</u>	Title _____	Total		16,304.93

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.