

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 Recompletion Date \_\_\_\_\_ 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](mailto: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)</i> <i>(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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810 E 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



**Cement or Acid Field Report**  
 Ticket No. **4118**  
 Foreman Kevin McCoy  
 Camp EUREKA

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
8-31-18	1217	House RANCH V-1-30 owwo	30	335	6E	Cowley	Ks
Customer <u>VAL ENERGY, INC.</u>			Unit #		Driver		State
Mailing Address <u>125 N. MARKET ST. STE 110</u>			105		DAVE G.		Ks
			110		Zevi A.		
			112		JASON H.		
City <u>WICHITA</u>		State <u>Ks</u>	Zip Code <u>67202</u>				

Job Type <u>Longstring</u>	Hole Depth <u>3565'</u>	Slurry Vol. <u>44 BBL STAGE #1</u> <u>68 BBL STAGE #2</u>	Tubing _____
Casing Depth <u>3562'</u>	Hole Size <u>7 7/8</u>	Slurry Wt. <u>13.8 # STAGE #1</u> <u>12.8 # STAGE #2</u>	Drill Pipe _____
Casing Size & Wt. <u>5 1/2</u>	Cement Left in Casing <u>31'</u>	Water Gal/SK _____	Other _____
Displacement <u>87.5 STAGE #1</u> <u>STAGE #2</u>	Displacement PSI _____	Bump Plug to _____	BPM _____

Remarks: Safety Meeting: 5 1/2 15.50\* Casing Set @ 3562' G.L. . DV TOOL Set @ 788' 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 @ 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/ 87.5 BBL Fresh water. (First 40 BBL w/ KCL) FINAL Pumping Pressure 750 PSI. Bump Plug to 1500 PSI. Release Pressure. FLOAT & Plug Held. DROP Trip Bomb. WAIT 5 mins. Open DV TOOL @ 1000 PSI. Circulate w/ mud Pump for 1 HR. Stage #1 Complete. Stage #2 BREAK Circulation w/ 10 BBL Fresh water. MIXED 180 SKS 60/40 Pozmix Cement w/ 6% Gel, 2\* PhenoSeal /SK @ 12.8 #/gal, yield 1.73 = 56 BBL SLURRY, WASH out Pump & Lines. Release Closing Plug. Displace Plug to Seat w/ 19.5 BBL Fresh water. Close Tool @ 1000 PSI. Bump Plug to 1500 PSI. No Cement to SURFACE Centralizers w/ #2, 5, 8, 11, 14, 86 BASKETS ON Top of #2, 86 DV TOOL ON Top of #88

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	220 SKS	60/40 Pozmix Cement } 180 SKS Top stage	13.40	2948.00
C 206	1135 #	Gel 6% } Stage #2	.21	238.35
C 208	440 #	PhenoSeal 2#/SK } 20 SKS R.H 15 SKS M.H.	1.30	572.00
C 108	17.16 TONS	Ton Mileage 60 miles	1.40	1441.44
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	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	15,309.79
			Less 5%	803.62
			Sales Tax	762.54
			<b>Total</b>	<b>15,268.71</b>

THANK YOU  
 M

Authorization Rick Smith Title \_\_\_\_\_ Total \_\_\_\_\_

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.

# 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

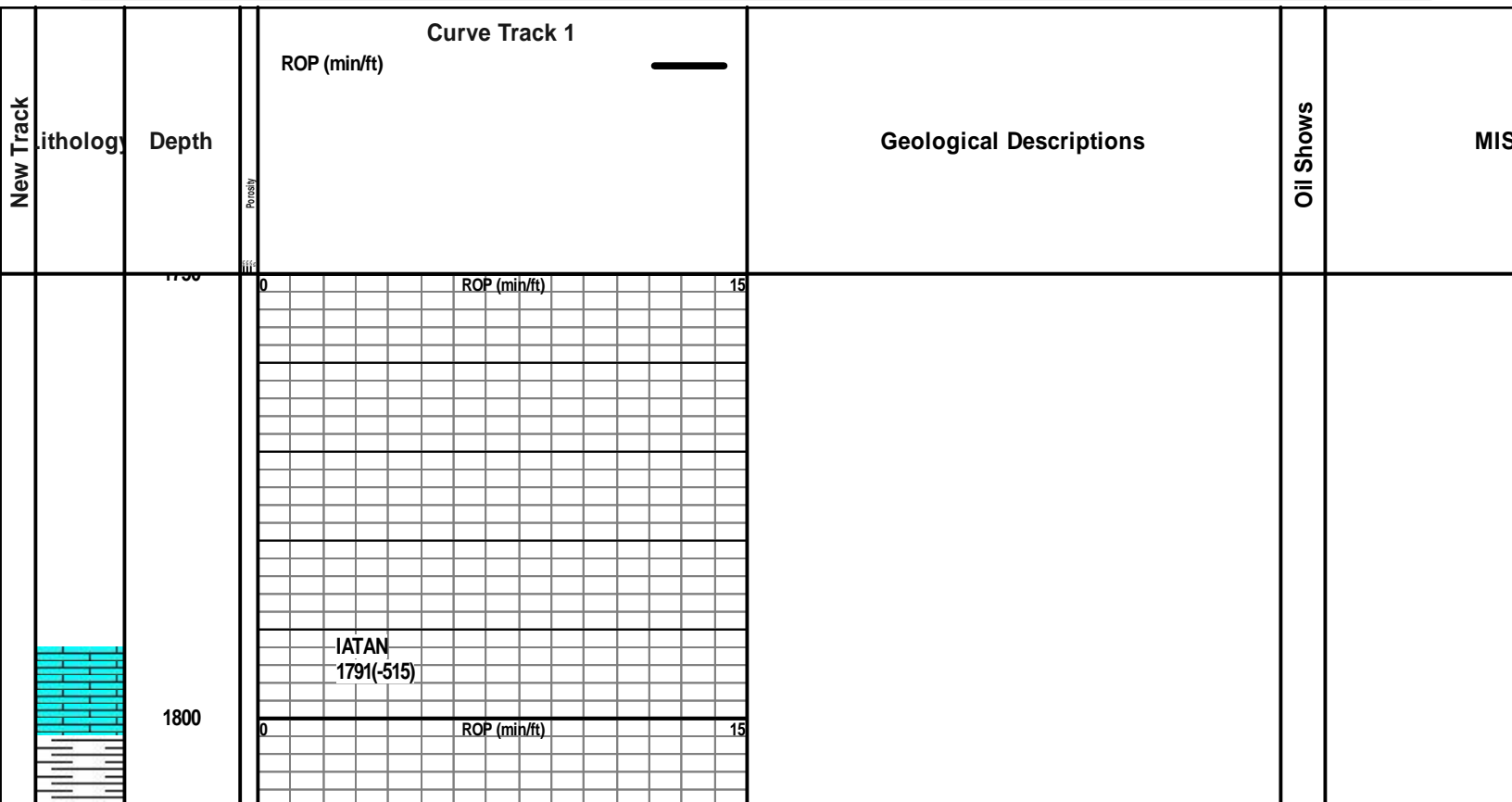
Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Coal	Igne	Salt	Slstst
Brec	Congl	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till

### ACCESSORIES

<b>MINERAL</b>	Gyp	<b>FOSSIL</b>	Ostra	Slststrg
Anhy	Hvymin	Algae	Pelec	Ssstrg
Arggrn	Kaol	Amph	Pellet	<b>TEXTURE</b>
Arg	Marl	Belm	Pisolite	Boundst
Bent	Minxl	Bioclst	Plant	Chalky
Bit	Nodule	Brach	Strom	Cryxln
Brecfrag	Phos	Bryozoa	<b>STRINGER</b>	Earthy
Calc	Pyr	Cephal	Anhy	Finexln
Carb	Salt	Coral	Arg	Grainst
Chtdk	Sandy	Crin	Bent	Lithogr
Chtlt	Sil	Echin	Coal	Microxln
Dol	Sulphur	Fish	Dol	Mudst
Feldspar	Tuff	Foram	Gyp	Packst
Ferrpel		Fossil	Ls	Wackest
Ferr		Gastro	Mrst	
Glau		Oolite		

### OTHER SYMBOLS

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



STALNAKER SAND  
1821(-545)

1850

1900

1950

2000

0

ROP (min/ft)

15

2050

2100

2150

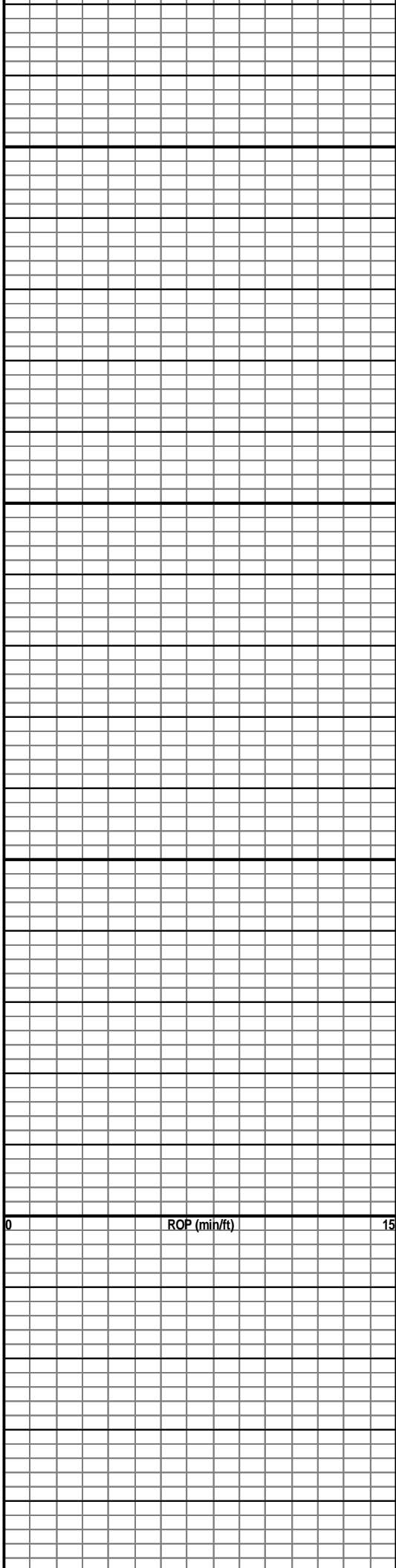
2200

2250

0

ROP (min/ft)

15





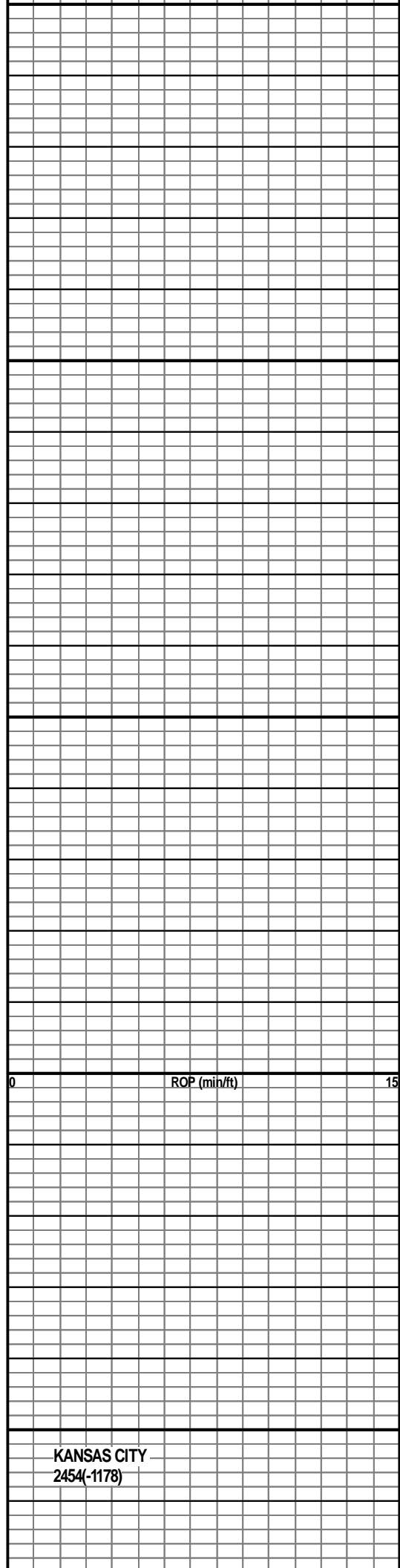
2250

2300

2350

2400

2450



**OLD WELL INFO:**  
**Veeder Supply 1954'**  
**#2 Fulton RTD 2340'**

**New Hole @ 2340'-3565'**

**Wet and dry samples starting @ 2360'**

**shales gry red /uphole**

**sst f-med grn wh-fr por fria no shows**

**sst aa shly no shows**

0 ROP (min/ft) 15

**shale gry slty in pt**

**KANSAS CITY**  
**2454(-1178)**

**ls tan f-medxln in pt no gd por ns**

2500

DODDS CREEK SD  
2468(-1192)

sst wh /gry f-medgrn fr por fria no shows

ls tan crm fnxln smth, n por,ns

ls tan/dk gry fnxln dns ns

2550

HUSHPUCKNEY  
2538(-1262)

shale blk carb

ls tan brn vy fnxln micronl no por ns

BKC  
2569(-1293)

shale blk carb

ls tan fnxln sl fossil no show

slst fngrn no por

2600

0 ROP (min/ft) 15

shale blk carb

CLEVELAND ZONE

slst gry fngrn mic no gd por ns

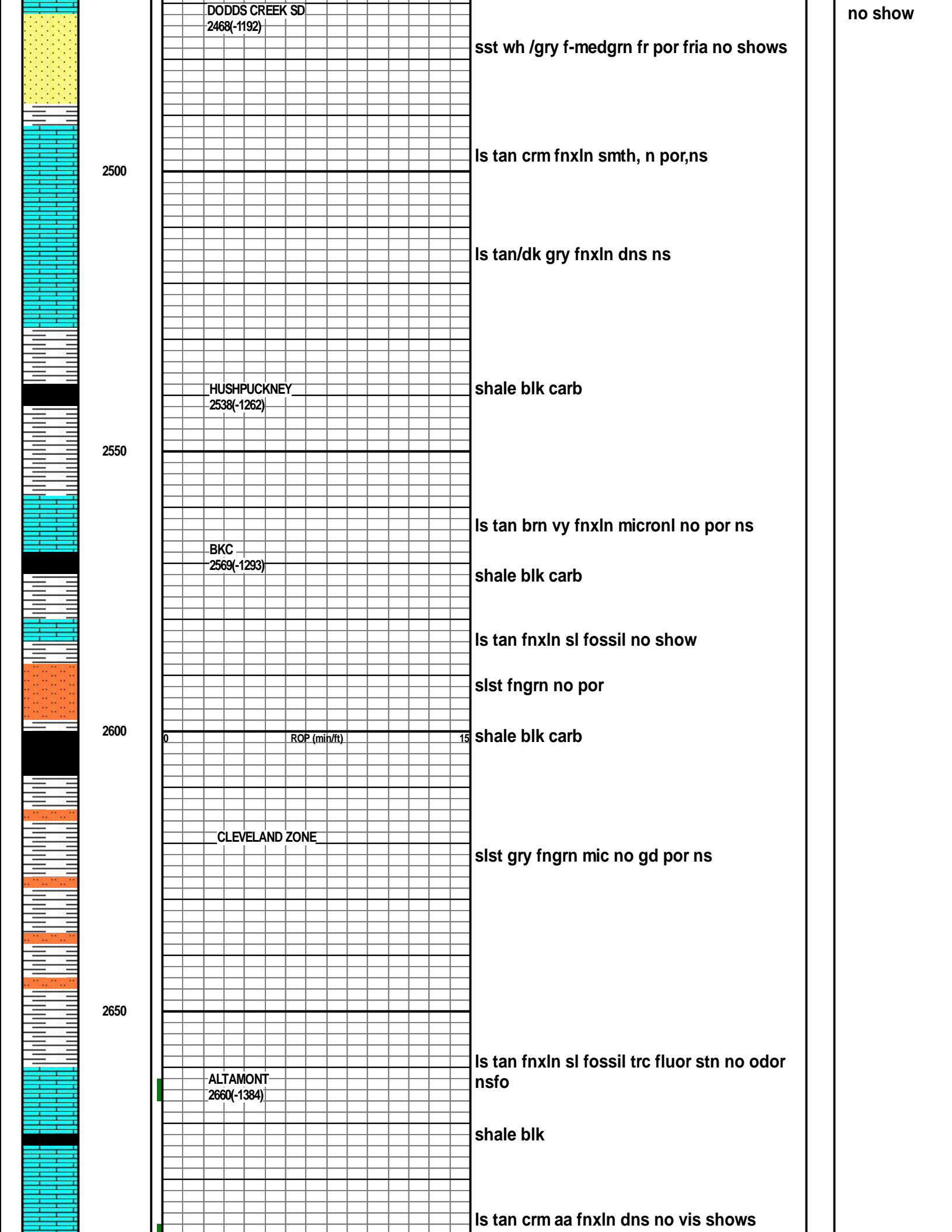
2650

ALTAMONT  
2660(-1384)

ls tan fnxln sl fossil trc fluor stn no odor nsfo

shale blk

ls tan crm aa fnxln dns no vis shows



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 brn fnxln-dns ft odor  
chty wh dns fresh

0 ROP (min/ft) 15

sst brn fngrn well sorted no shows

CFS 20/40"

shales slst gry no por

shales/slst aa

2850

shale blk carb

slst fngrn gry mic no shows

2900

slst gry

2950

shale /blk shales

3000

0 ROP (min/ft) 15

shale slst gry fgrn mic ns

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

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%,

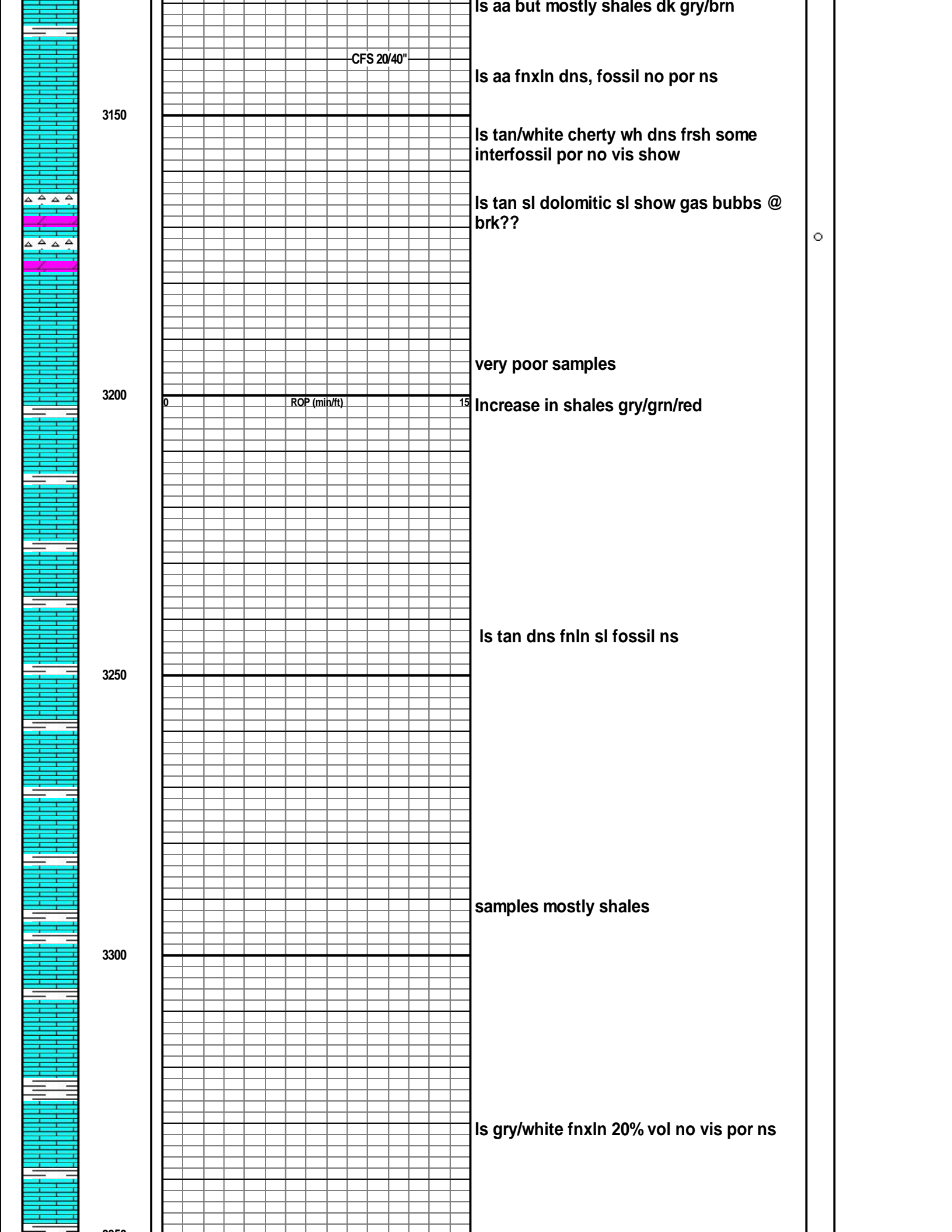
CFS 20/40"

3100

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

CFS 20/40"





CFS 20/40"

Is aa but mostly shales dk gry/brn

Is aa fnxln dns, fossil no por ns

Is tan/white cherty wh dns frsh some interfossil por no vis show

Is tan sl dolomitic sl show gas bubbs @ brk??

very poor samples

3150

3200

ROP (min/ft)

Increase in shales gry/grn/red

3250

Is tan dns fnln sl fossil ns

samples mostly shales

3300

Is gry/white fnxln 20% vol no vis por ns

3350

3350

mostly shales aa some scat ls tan brn

shale blk

3400

ROP (min/ft) 0 15

samples cleaned up  
ls white/gry fnxln sl glauconitic no por ns

NORTHVIEW SH  
3416(-2140)

shales gry fissil

COMPTON LM  
3444(-2168)

ls white smth fnxln no por ns

3450

KINDERHOOK  
3453(-2177)

shales dk gry

shale blk petro good odor

3500

ARBUCKLE  
3508(-2232)

dolo wh lt tan fnxln fr interxln por no  
shows

dolo aa lt tan wh fnxln scat vugs with few  
rhombs no shows

3550

CFS 60' SHORT  
TRIP CONDITION  
HOLE 11/2 UP

RTD 3565(-2289)  
LTD 3570(-2294)

HOLE 17/12 HR  
COME OUT FOR  
LOG

3600

0

ROP (min/ft)

15

3650

3700