KOLAR Document ID: 1510285

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 # 5822
Name: Val Energy, Inc.
Address 1: 125 N MARKET ST STE 1110
Address 2:
City: WICHITA State: KS Zip: 67202 + 1728
Contact Person: Dustin Wyer
Phone: (316) 263-6688
CONTRACTOR: License # 32701
Name: C & G Drilling, Inc.
Wellsite Geologist: David Barker
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: Range Oil
Well Name: Crow 1
Original Comp. Date: 11/2/2008 Original Total Depth: 2885
☐ 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 #:

12/18/2019	12/22/2019	2/19/2020
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-035-24318-00-01
Spot Description:
NE - NE - SW - SE Sec. 1 Twp. 34 S. R. 6 ☑ East ☐ West
1100 Feet from ☐ North / ☑ South Line of Section
1360 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Cowley
Lease Name: CROW Well #: V OWWO SWD
Field Name:
Producing Formation: NA
Elevation: Ground: 1280 Kelly Bushing: 1289
Total Vertical Depth: 3600 Plug Back Total Depth: 3600
Amount of Surface Pipe Set and Cemented at: 314 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: 03/17/2020
☐ **Confidential Release Date:** 03/17/2022
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☑ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 03/17/2020

Operator Name: Val Energy, Inc. Lease Name: CROW Well #: V OWWO SWD

Sec. 1 Twp. 34 S. R. 6 ☑ East ☐ West County: Cowley

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

Induction
Micro
Neutron

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Kinderhook	3140	-1851
Arbuckle	3146	-1857

CASING RECORD ☐ New ☑ 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
Surface	12.25	8.625	23	314	Common	180	na
Production	7.875	5.5	15.5	3235	Thickset	150	na

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: 3/5/2020	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* SWD					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
		Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☑ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	3245	3600

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Val Energy, Inc.
Well Name	CROW V OWWO SWD
Doc ID	1510285

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	314	Common	180	na
Production	7.875	5.5	15.5	3235	Thickset	150	na

David A. Barker

CONSULTING GEOLOGIST

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

Well Name:	**Crow V OWWO**		
Well Id:	**15-035-24318**		
Location:	**1-T34S-R6E**		
License Number:	**32701**	**Region:**	**Cowey County, Kansas**
Spud Date:	**12-18-2019**	**Drilling Completed:**	**12-22-2019**
Surface Coordinates:	**NE-NE-SW-SE/4**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**1280'**	**K.B. Elevation (ft):**	**1289'**
Logged Interval (ft):	**2892'** **To: 3600**	**Total Depth (ft):**	**3600'**
Formation:	**Arbuckle**		
Type of Drilling Fluid:	**chemical**		

GEOLOGIST

Name: David A. Barker
Company:
Address: 212 N. Market, Suite# 320
Wichita, Kansas 67202
(316) 259-4294, 2 Barker@sbcglobal.net

OPERATOR

Company: Val Energy, INC
Address: 125 N. Market
Ste 1110
Wichita, Kansas 67202

Daily Status

12/18/2019: Started drilling rat hole @ 4 PM
12/19/2019: 2815: Washing down old hole.
12/20/2019: 3282' Trip out of hole of E logs
12/21/2019: 3518'' Drilling
12/22/2019: 3600' Lay down drill pipe, Ran 85 jts of used 5 1/2 casing, talley @ 3235', set @ 3243', cement 125 sx thick set, plug down @ 4:30 PM

Contractor

C & G Drilling, 707 E. River St., Eureka, KS 67045-2100

ROCK TYPES

INTERVALS
- Core
- Dst
- Dst

EVENTS
- Rft
- Sidewall
- Cfs
- Conn

POROSITY TYPE
- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

LITHOLOGY
- Anhy
- Cht
- Congl
- Shale
- Shgy
- Ss
- Carb shale
- Gray shale
- Sandy lmst
- Shale

- Slt stn
- Shaly slst
- Slty shale
- Blank
- Gray lmst
- Cream lmst
- Red shale
- Blue-green sltstn
- D. green shale
- Green shale
- Brown lmst
- Brown shale
- Brown dol
- Brown cream
- D. green lmst
- Light cream lmst
- Gray cream lmst
- Green dol
- Black dolomite
- Gray dol

FOSSIL
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

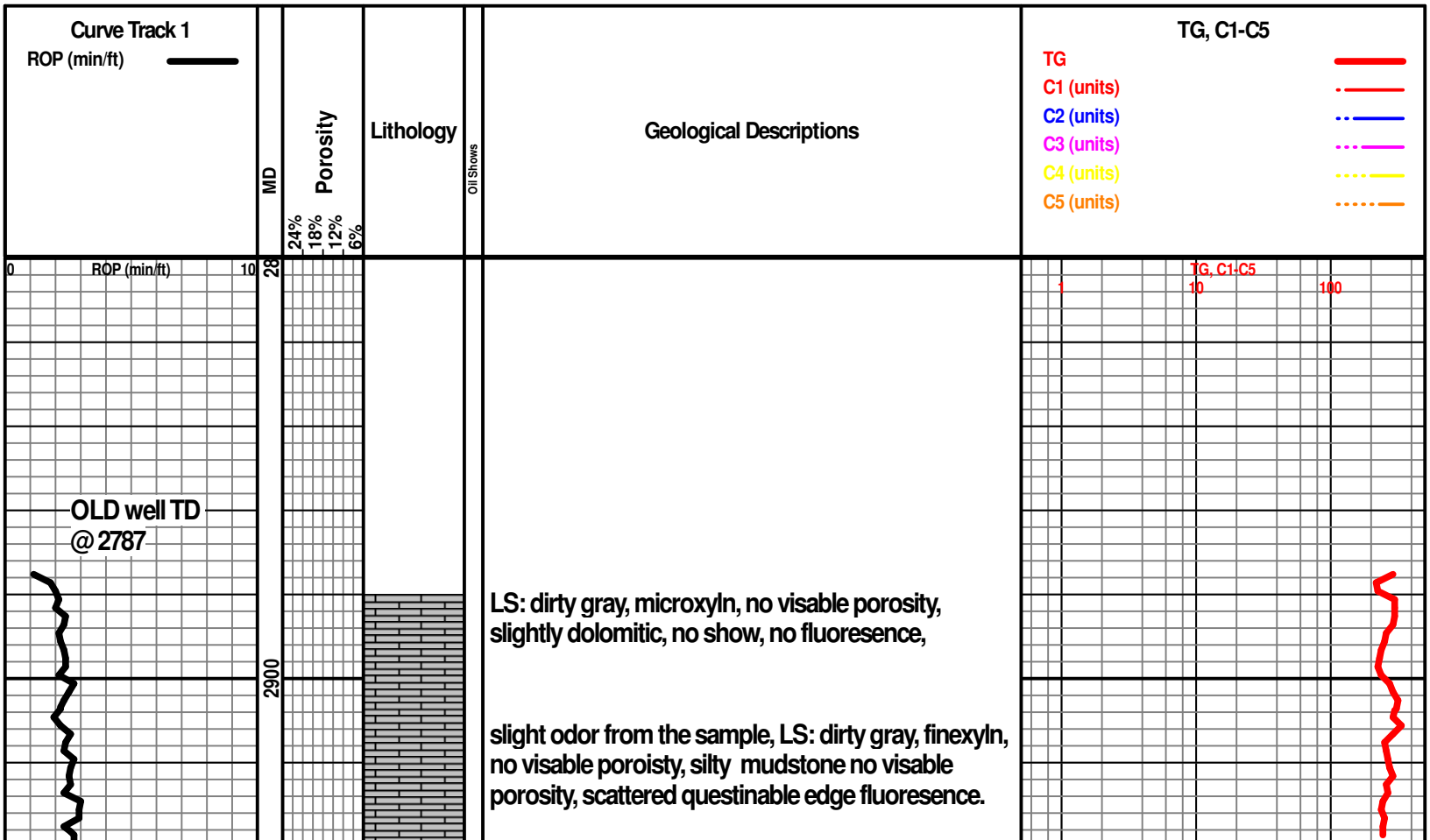
MINERAL
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Slty

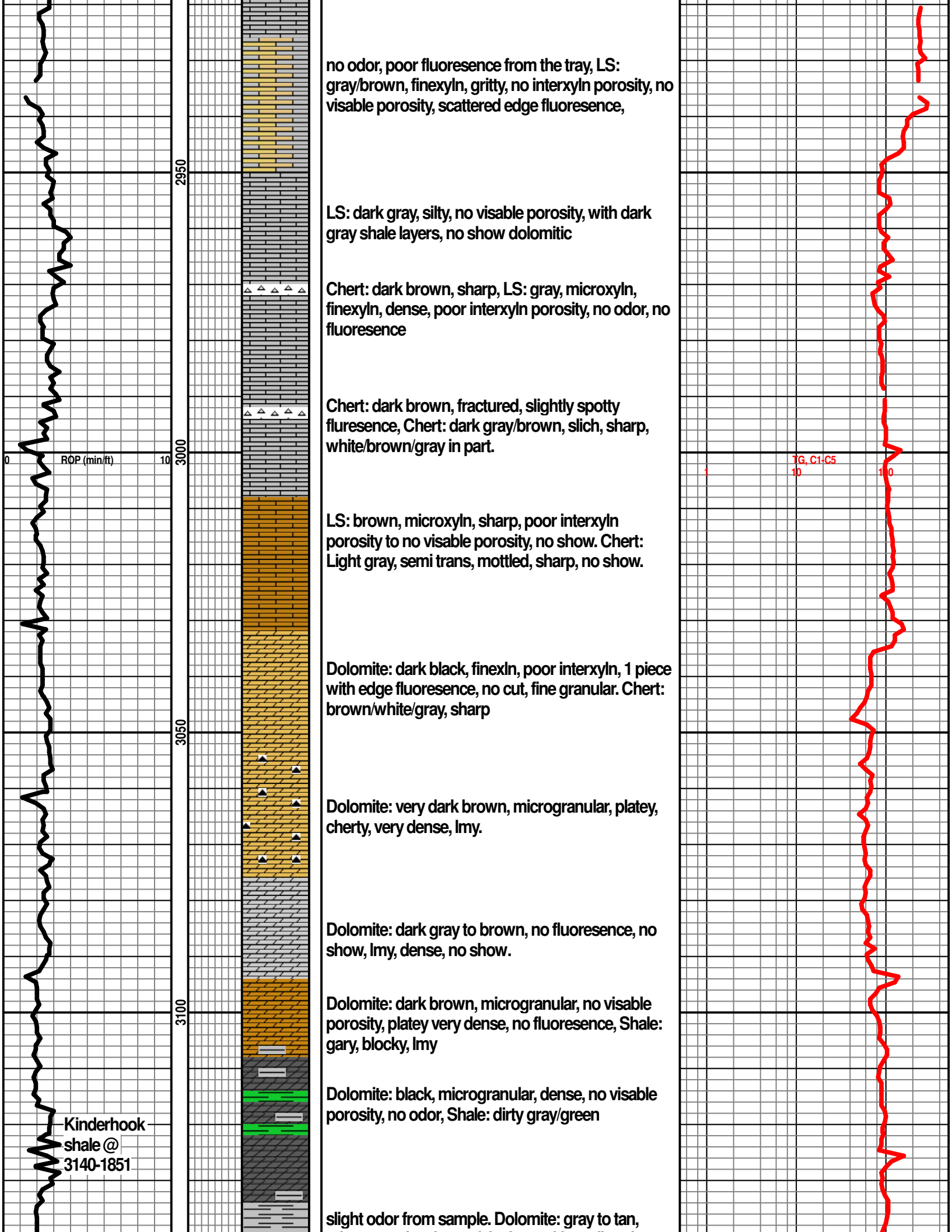
STRINGER
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

SORTING
- Well
- Moderate
- Poor

OIL SHOWS
- Even
- Spotted
- Ques
- Dead
- Gas show





no odor, poor fluoresence from the tray, LS: gray/brown, finexyln, gritty, no interxyln porosity, no visable porosity, scattered edge fluoresence,

LS: dark gray, silty, no visable porosity, with dark gray shale layers, no show dolomitic

Chert: dark brown, sharp, LS: gray, microxyln, finexyln, dense, poor interxyln porosity, no odor, no fluoresence

Chert: dark brown, fractured, slightly spotty fluresence, Chert: dark gray/brown, slich, sharp, white/brown/gray in part.

LS: brown, microxyln, sharp, poor interxyln porosity to no visable porosity, no show. Chert: Light gray, semi trans, mottled, sharp, no show.

Dolomite: dark black, finexln, poor interxyln, 1 piece with edge fluoresence, no cut, fine granular. Chert: brown/white/gray, sharp

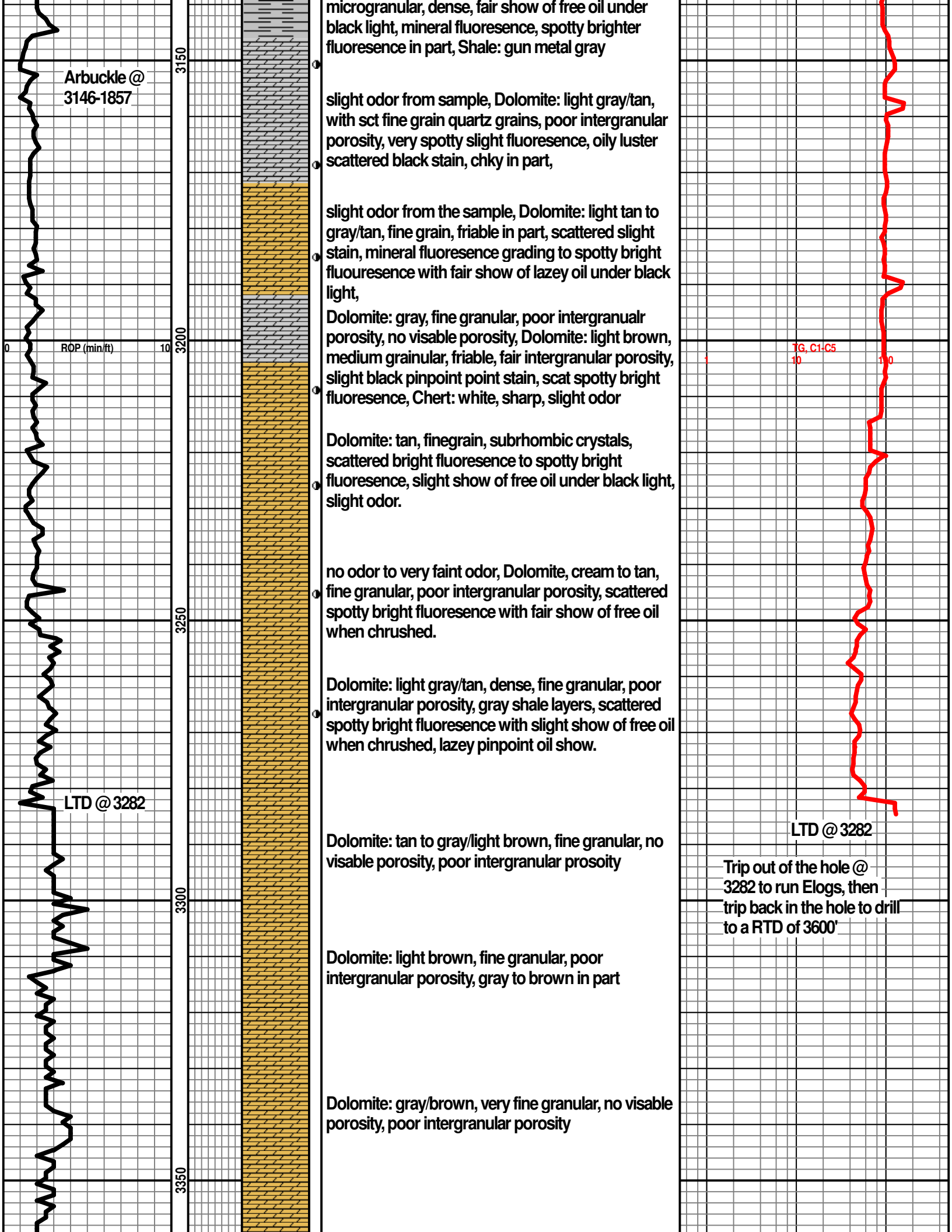
Dolomite: very dark brown, microgranular, platey, cherty, very dense, lmy.

Dolomite: dark gray to brown, no fluoresence, no show, lmy, dense, no show.

Dolomite: dark brown, microgranular, no visable porosity, platey very dense, no fluoresence, Shale: gary, blocky, lmy

Dolomite: black, microgranular, dense, no visable porosity, no odor, Shale: dirty gray/green

slight odor from sample. Dolomite: gray to tan,



micrograular, dense, fair show of free oil under black light, mineral fluoresence, spotty brighter fluoresence in part, Shale: gun metal gray

slight odor from sample, Dolomite: light gray/tan, with sct fine grain quartz grains, poor intergranular porosity, very spotty slight fluoresence, oily luster scattered black stain, chky in part,

slight odor from the sample, Dolomite: light tan to gray/tan, fine grain, friable in part, scattered slight stain, mineral fluoresence grading to spotty bright fluouresence with fair show of lazey oil under black light,

Dolomite: gray, fine granular, poor intergranualr porosity, no visable porosity, Dolomite: light brown, medium grainular, friable, fair intergranular porosity, slight black pinpoint point stain, scat spotty bright fluoresence, Chert: white, sharp, slight odor

Dolomite: tan, finegrain, subrhombic crystals, scattered bright fluoresence to spotty bright fluoresence, slight show of free oil under black light, slight odor.

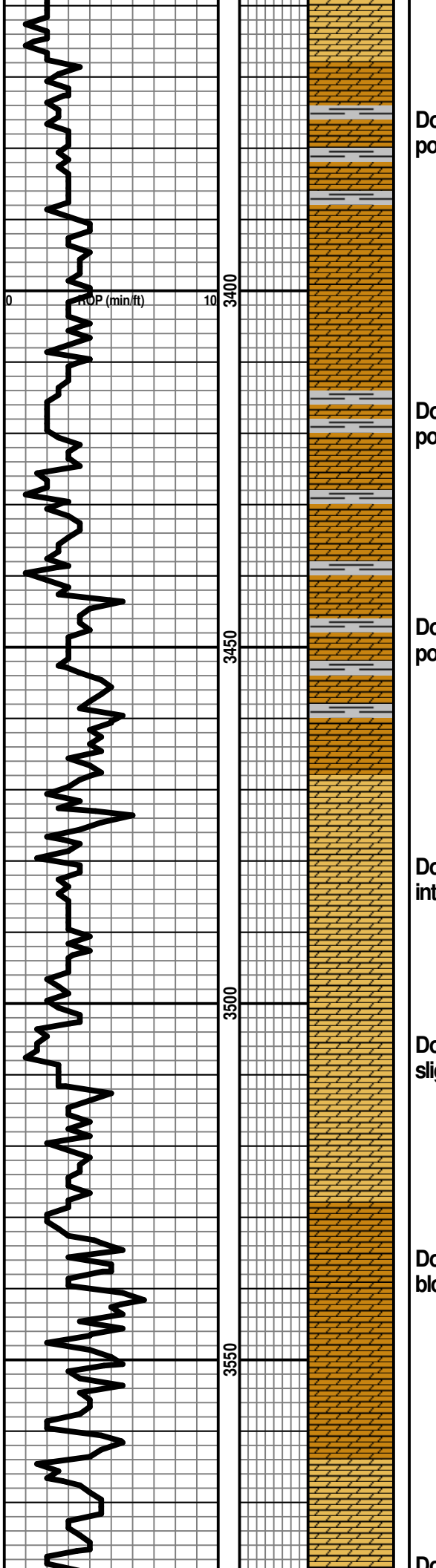
no odor to very faint odor, Dolomite, cream to tan, fine granular, poor intergranular porosity, scattered spotty bright fluoresence with fair show of free oil when chrushed.

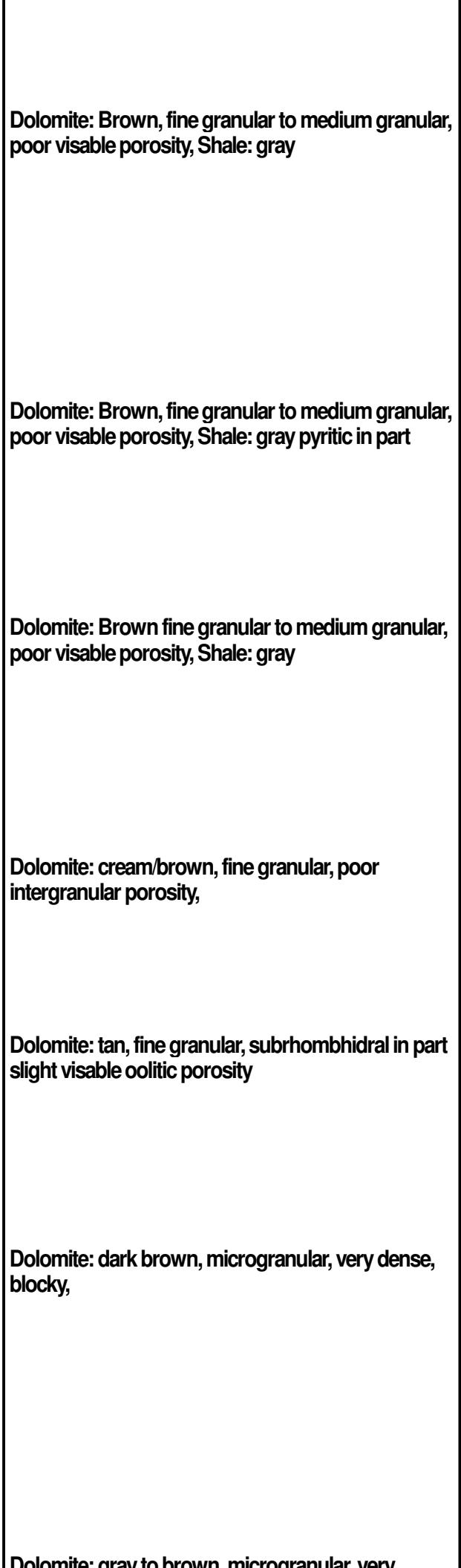
Dolomite: light gray/tan, dense, fine granular, poor intergranular porosity, gray shale layers, scattered spotty bright fluoresence with slight show of free oil when chrushed, lazey pinpoint oil show.

Dolomite: tan to gray/light brown, fine granular, no visable porosity, poor intergranular prosoity

Dolomite: light brown, fine granular, poor intergranular porosity, gray to brown in part

Dolomite: gray/brown, very fine granular, no visable porosity, poor intergranular porosity





Dolomite: Brown, fine granular to medium granular, poor visable porosity, Shale: gray

Dolomite: Brown, fine granular to medium granular, poor visable porosity, Shale: gray pyritic in part

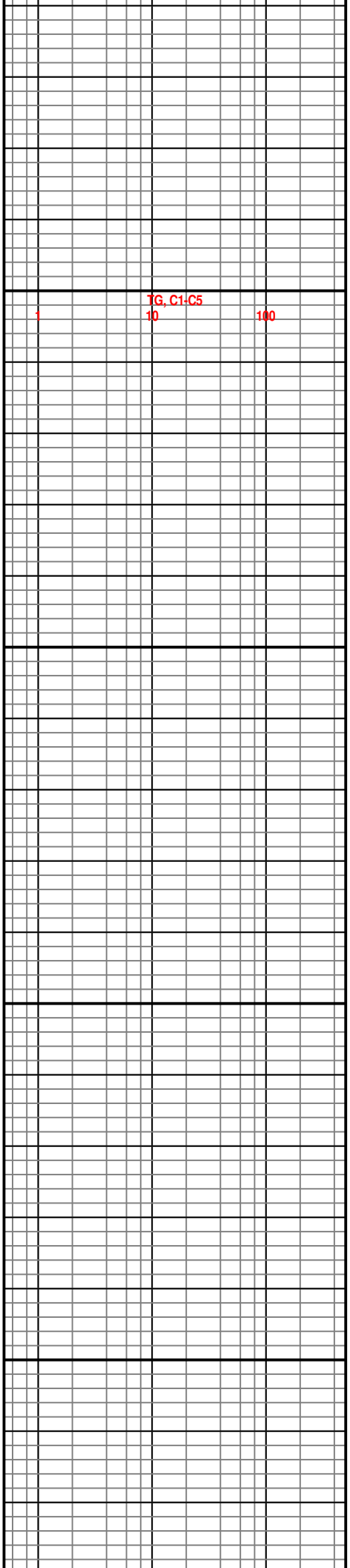
Dolomite: Brown fine granular to medium granular, poor visable porosity, Shale: gray

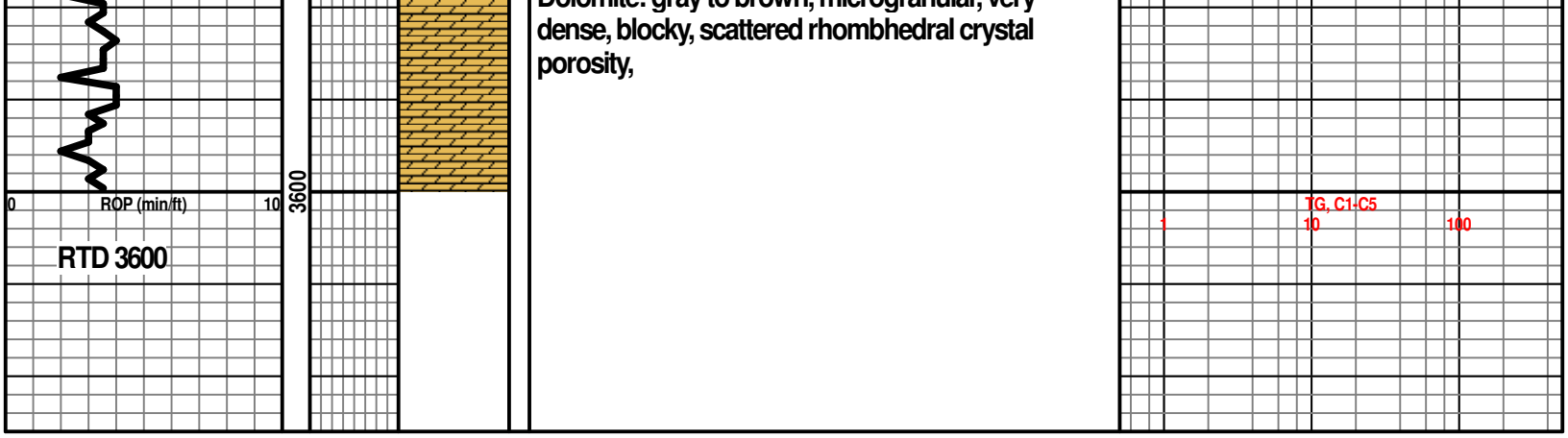
Dolomite: cream/brown, fine granular, poor intergranular porosity,

Dolomite: tan, fine granular, subrhombhidral in part slight visable oolitic porosity

Dolomite: dark brown, microgranular, very dense, blocky,

Dolomite: gray to brown, microgranular, very




0
ROP (min/ft)
10
3600
RTD 3600
Dolomite: gray to brown, microgranular, very dense, blocky, scattered rhombhedral crystal porosity,
TG, C1-C5
1
10
100

Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Date	Invoice #
12/23/2019	4931

Bill To
Val Energy Inc. 125 N. Market St., Suite 1110 Wichita, KS 67202

Customer ID#	1217

Job Date	12/22/2019
Lease Information	
Crow VOWWD SWD	
County	Cowley
Foreman	RM

			Terms	Net 15
Item	Description	Qty	Rate	Amount
C102	Cement Pump-Longstring	1	1,100.00	1,100.00
C107	Pump Truck Mileage (one way)	60	4.20	252.00
C201	Thick Set Cement	150	20.50	3,075.00T
C207	KolSeal	750	0.47	352.50T
C208	Pheno Seal	300	1.30	390.00T
C108A	Ton Mileage (min. charge)	1	420.00	420.00
C661	5 1/2" AFU Float Shoe	1	309.00	309.00T
C681	5 1/2" Float Collar Body Only	1	215.00	215.00T
C604	5 1/2" Cement Basket	2	236.00	472.00T
C504	5 1/2" Centralizer	5	50.00	250.00T
C421	5 1/2" Latch Down Plug	1	242.00	242.00T
C781	5 1/2 " Stop Collar	1	32.00	32.00T
C752	5 1/2" Type A Packer Shoe (7 3/4 x 8)	1	1,000.00	1,000.00T
D103	Discount on Services		-88.60	-88.60
D102	Discount on Materials		-266.88	-266.88T

We appreciate your business!

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:
Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Subtotal	$7,754.02
Sales Tax (6.5%)	$394.59
Total	$8,148.61
Payments/Credits	$0.00
Balance Due	$8,148.61

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

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. 4931
Foreman Russell McCoy
Camp Eureka

API 15-035-24318-00-01

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
12-22-19	1217	Crow Vowwd SWD	1	34	6	Cowley	KS

Customer: VAL Energy INC. St STE 1110
Mailing Address: 125 N. Market
City: Wichita | State: KS | Zip Code: 67202
Safety Meeting: RM JASON JOSH

Unit #	Driver	Unit #	Driver
105	JASON		
110	JOSH		

Job Type Longstring | Hole Depth 3600' KB | Slurry Vol. 41 Bbl | Tubing
Casing Depth 3235 G.L. | Hole Size 7 7/8 | Slurry Wt. 13.8 | Drill Pipe
Casing Size & Wt. 5 1/2 used | Cement Left in Casing 37' | Water Gal/SK 9 | Other
Displacement 77 Bbl | Displacement PSI 750# | Bump Plug to 1300# | BPM 5

Remarks: 12-21-19 Safety meeting, Rig to Run 5 1/2 w/ PACKER SHOE 60' IN CASING STACK OUT Rig up to Circulate Try TO WASH DOWN NO luck LAY OUT 5 1/2 CASING + SHOE WASH TO Bottom w/ Drill PIPE. 12-22-19 ReRun 5 1/2 CASING w/ FLOAT SHOE Two cement BASKETS + 5 centrilizers Set 5 1/2 @ 3235 G.L. mix + Pump 125 SKS T.S. cement 5# Kolseal 2# PhenoSeal @ 13.8 w/ Yield 1.85 = 41 Bbl. WASH OUT Pump + Lines, Release 5 1/2 LATCH Down Plug Displace to SEAT w/ 77 Bbl water FINAL Pump PSI 750# Bump Plug to 1300# CHECK FLOAT FLOAT HELD. GOOD circulation During cementing Procedure. Job Complete. Plug Rat Hole + Mouse Hole TEAR Down.
NOTE centralizers # 3 5 7 9 11 BASKETS on 1 + 2 THANK YOU Russell McCoy

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C-102	1	Pump Charge	1100.00	1100.00
C-107	60	Mileage	4.20	252.00
C-201	150	SKS THICK SET CEMENT	20.50	3,075.00
C-207	750#	KOLSEAL 5# Per/SK	.47	352.50
C-208	300#	PHENOSEAL = 2# PerSK	1.30	390.00
C-108A	8.25 TONS	TON MILEAGE BULK TK	M/C	420.00
C 661	1	5 1/2 FLOAT SHOE	309.00	309.00
681	1	5 1/2 FLOAT COLLAR	215.00	215.00
C-604	2	5 1/2 CEMENT BASKETS	236.00	472.00
C-504	5	CENTRALIZERS 5 1/2 X 7 7/8	50.00	250.00
C-421	1	5 1/2 LATCH DOWN PLUG	242.00	242.00
C-181	1	5 1/2 STOP RING	32.00	32.00
C-752	1	5 1/2 TYPE A PACKER SHOE	1000.00	1,000.00
				8109.50
			-5%	(312.83)
			Sales Tax	411.94
			Total	$8148.61

Authorization Witnessed by Rick Title Co/Rep VAL Energy

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.