

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)</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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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	ROHLER TRUST 28-1
Doc ID	1460503

All Electric Logs Run

Spectral Density Dual Neutron
Array Compensated Resistivity
Microlog
Annular Volume

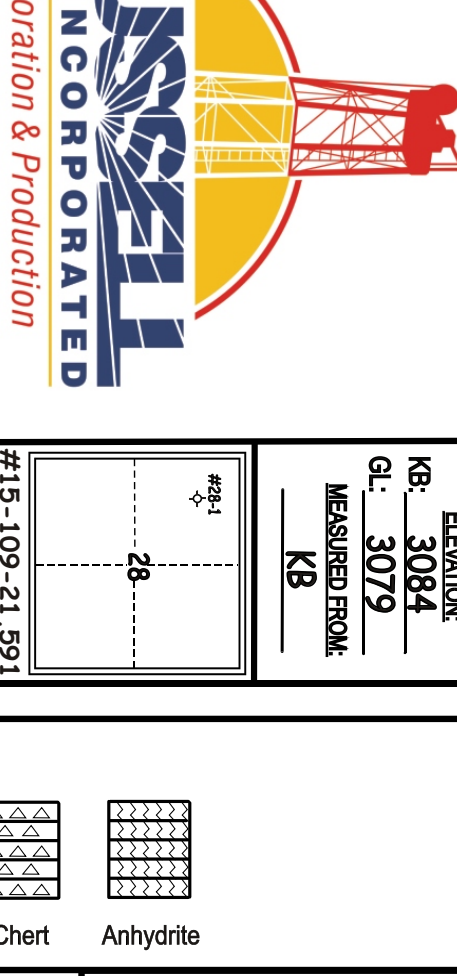
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Well Name	ROHLER TRUST 28-1
Doc ID	1460503

Tops

Name	Top	Datum
Anhydrite	2599	+485
B/Anhydrite	2626	+458
Heebner	4041	-957
Toronto	4072	-988
Lansing	4088	-1002
Stark	4312	-1228
B/KC	4368	-1284
Marmaton	4411	-1327
Pawnee	4506	-1422
Cherokee	4594	-1510
Mississippian	4690	-1606
RTD	4770	-1686
LTD	4770	-1686

KITT NOAH

PETROLEUM GEOLOGIST
Kansas License #229



GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

#15-109-21-591

#15-109-21-591

ELEVATION: KB 3084

Oil: 3079

MEASURED BENCH: KB

EL 2599 (+485)

EL 2626 (+458)

EL 3821 (-737)

EL 4041 (-957)

EL 4072 (-988)

EL 4088 (-1002)

EL 4223 (-1139)

EL 4312 (-1228)

EL 4368 (-1284)

EL 4411 (-1327)

EL 4506 (-1422)

EL 4541 (-1457)

EL 4568 (-1484)

EL 4594 (-1510)

EL 4639 (-1555)

EL 4660 (-1576)

EL 4690 (-1606)

EL 4700 (-1686)

OPERATOR: Russell Oil, Inc.
LEASE: Rohleder Trust WELL NO: #28-1
LOCATION: 1105 FN & 1090 FW
SEC: 28 TWP: 11S RNG: 32W
COUNTY: Logan STATE: Kansas

CONTRACTOR: VW Drilling Rig #8
COM: 4-26-2019 COM1: 5-6-2019
RTD: 4770 LTD: 4770
SAMPLER SAVED FROM: 3700 TO TD
DRILLING TIME SAVED FROM: 3700 TO TD
SAMPLER EXAMINED FROM: 3700 TO TD
GEOLOGICAL SUPERVISION FROM: 3800 TO TD
MUD UP: 3453 MUD TYPE: chemical
Mudco - Gary Schmidberger
MUD LOG: 4368 (-1284)
MUD LOG: 4312 (-1228)
MUD LOG: 4088 (-1002)
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R/D	4770 (-1686)		
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CONTRACTOR	COM	COM1	RTD	LTD
VW Drilling Rig #8	4-26-2019	5-6-2019	4770	4770

DRILLING TIME SAVED FROM	SAMPLER EXAMINED FROM	GEOLOGICAL SUPERVISION FROM	MUD UP	MUD TYPE
3700 TO TD	3700 TO TD	3800 TO TD	3453	chemical

DRILL STEMS TAKEN	SURVERS
2	Halliburton

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2	Halliburton

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2	Halliburton

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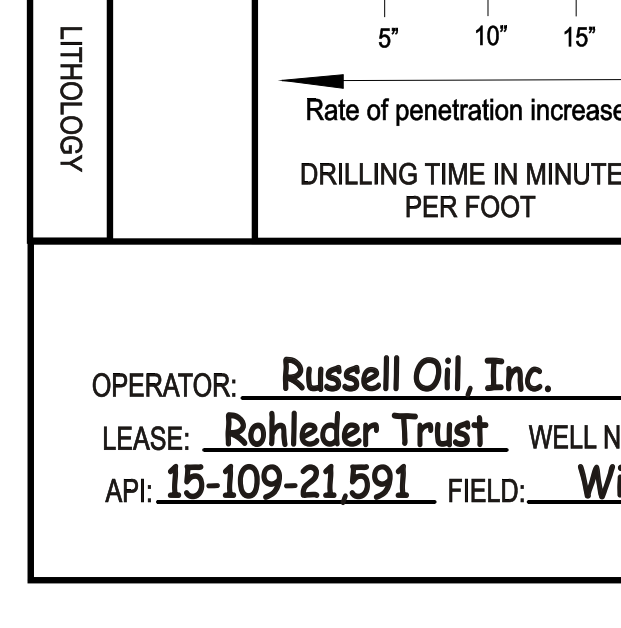
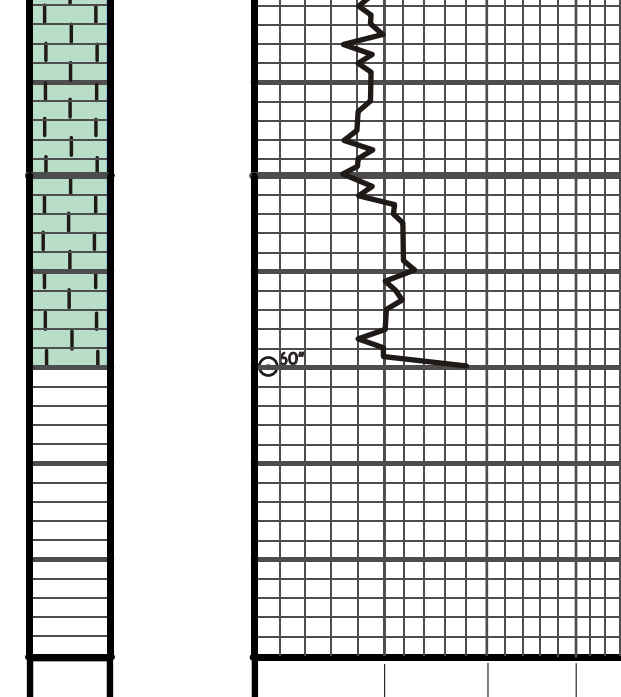
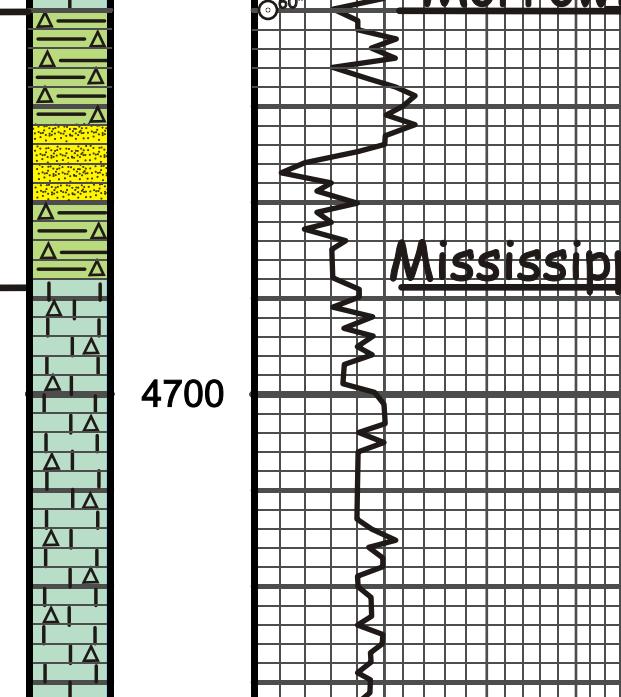
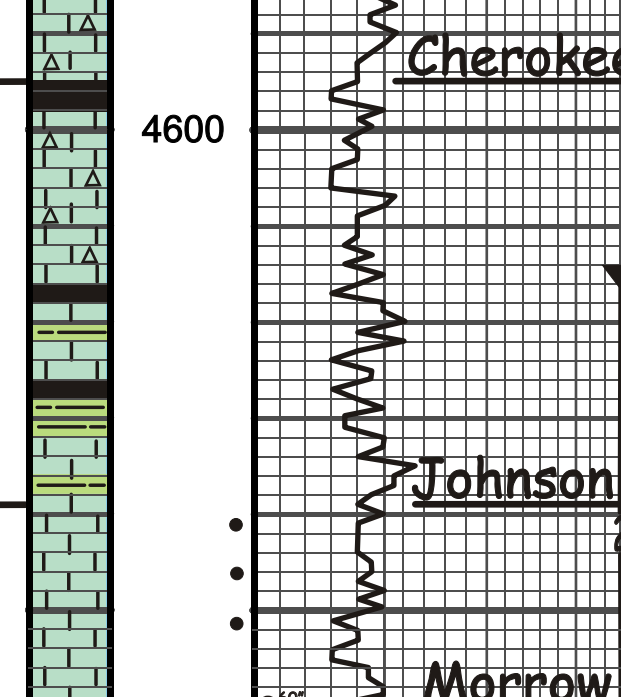
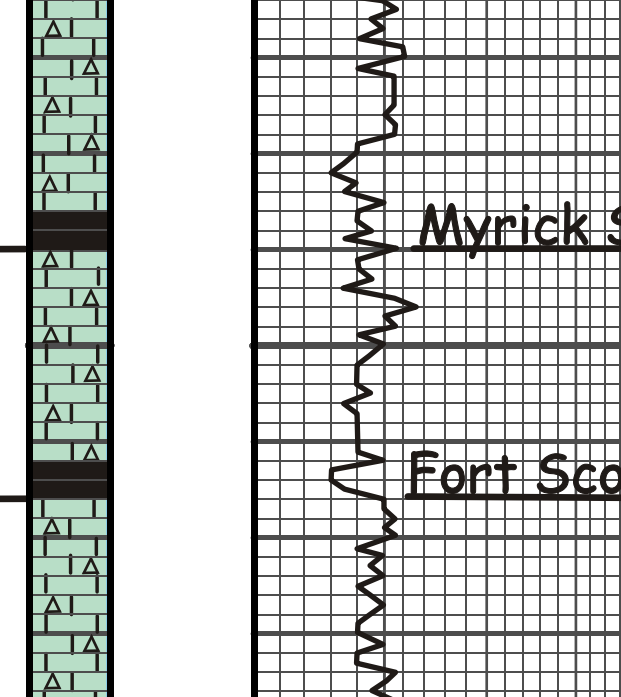
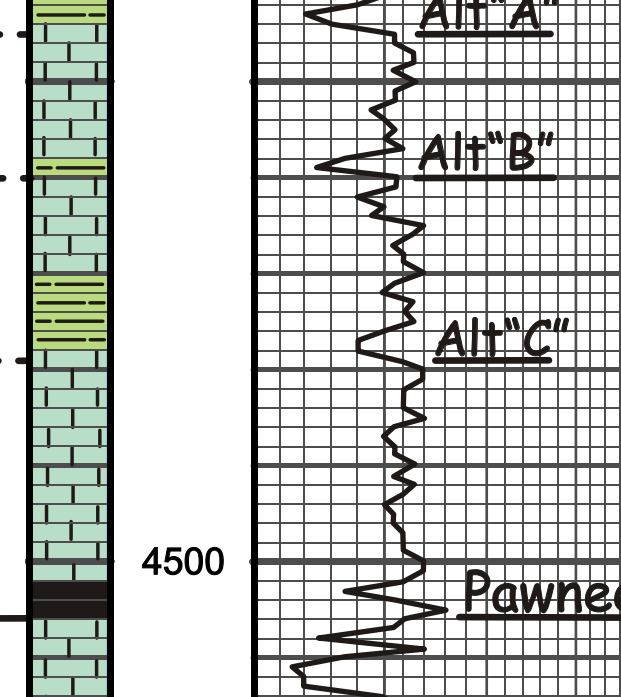
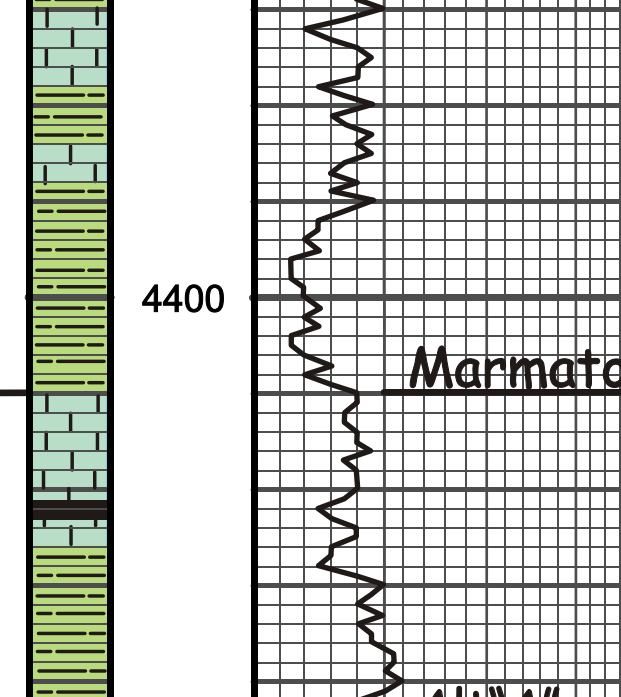
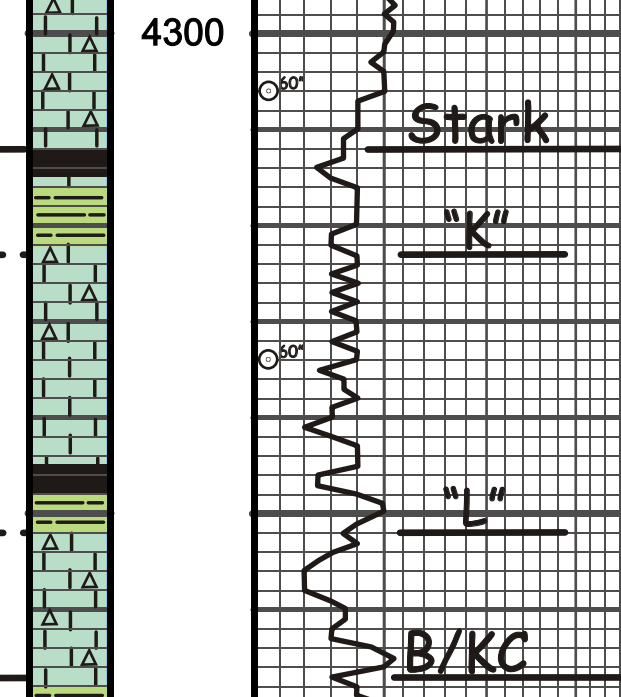
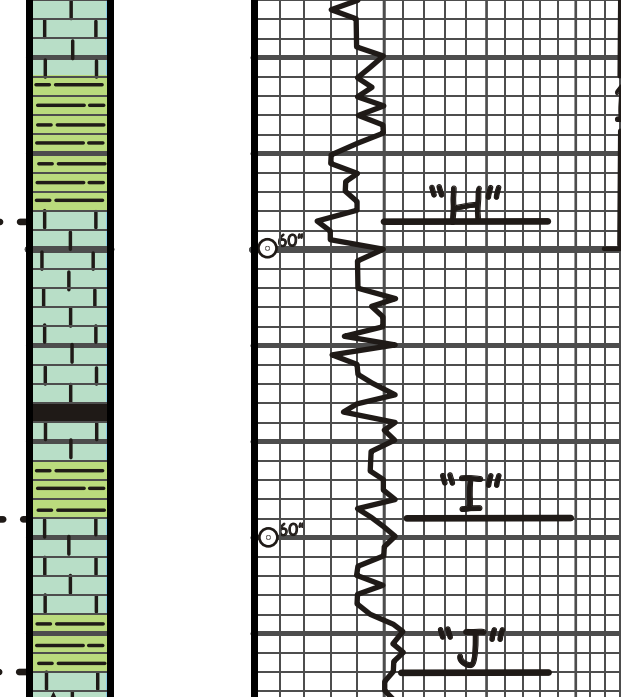
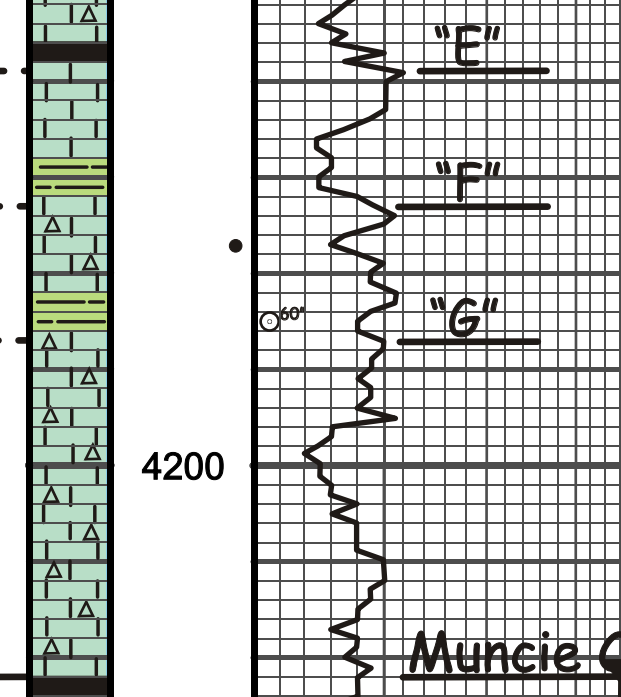
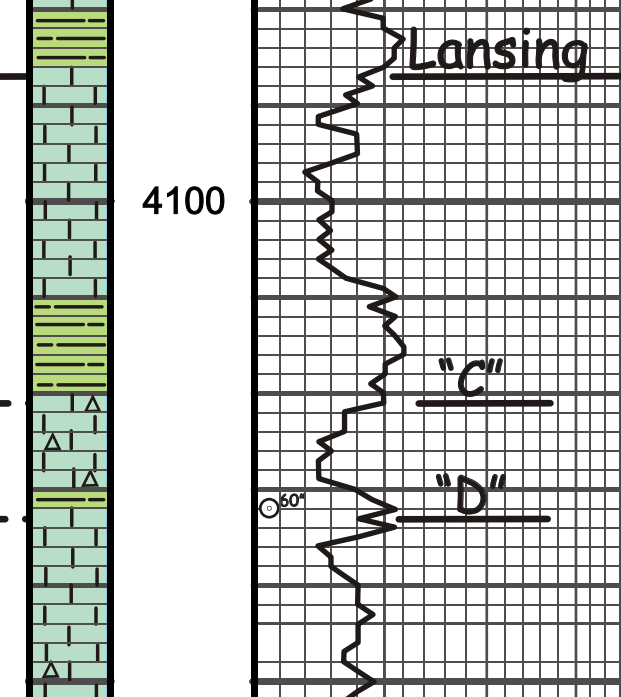
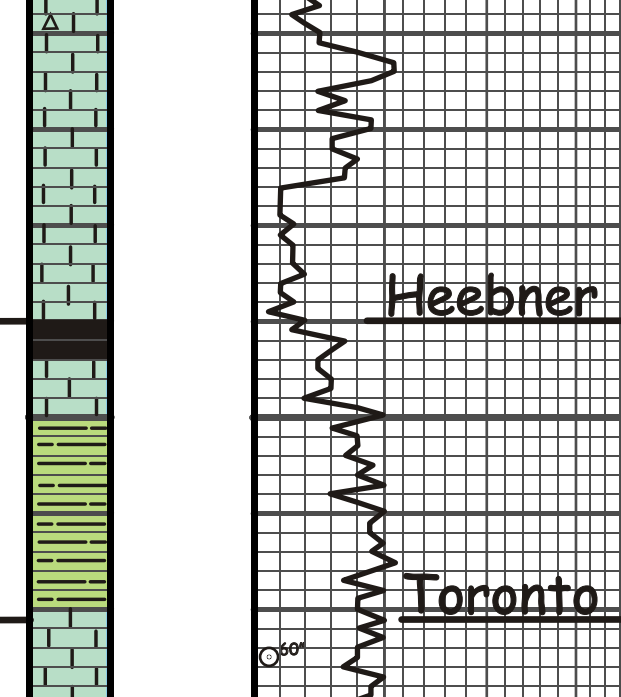
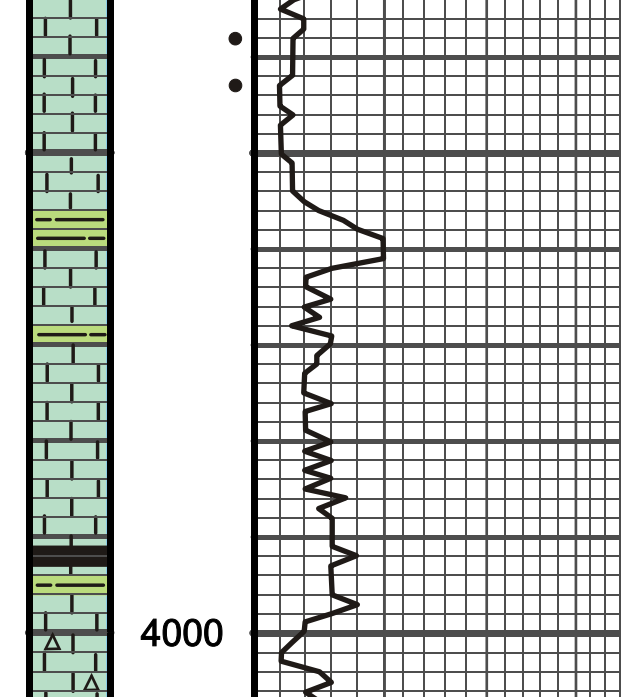
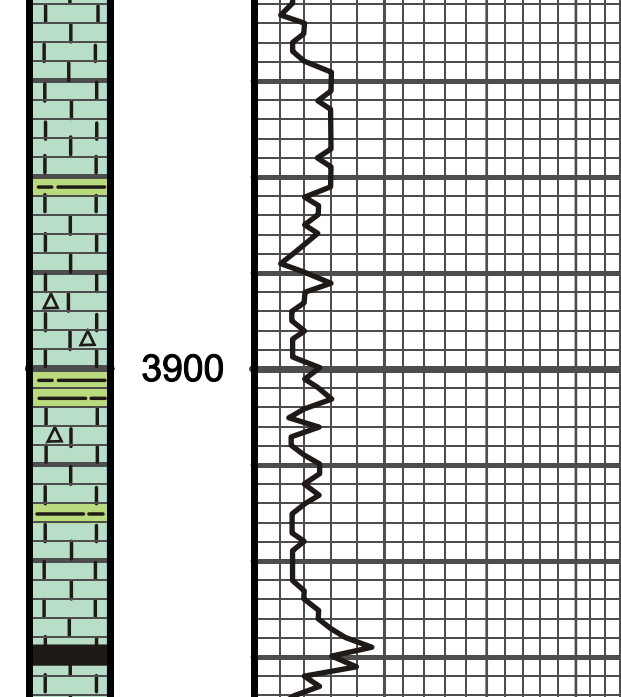
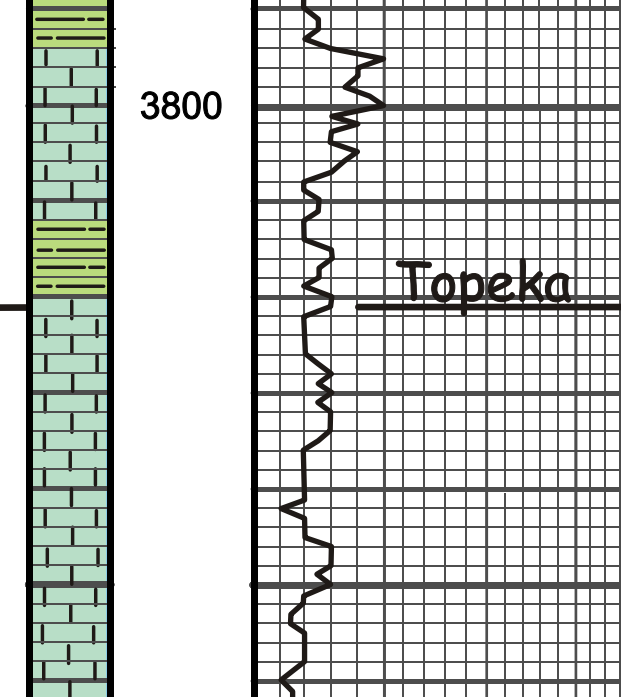
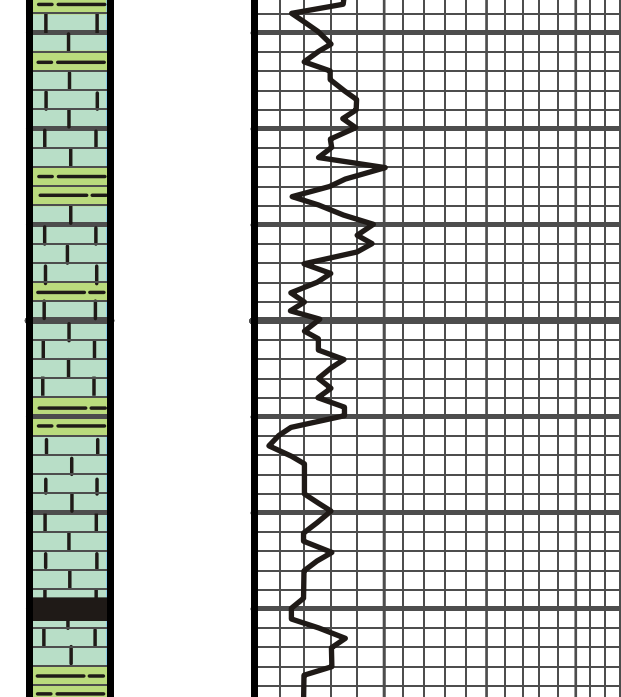
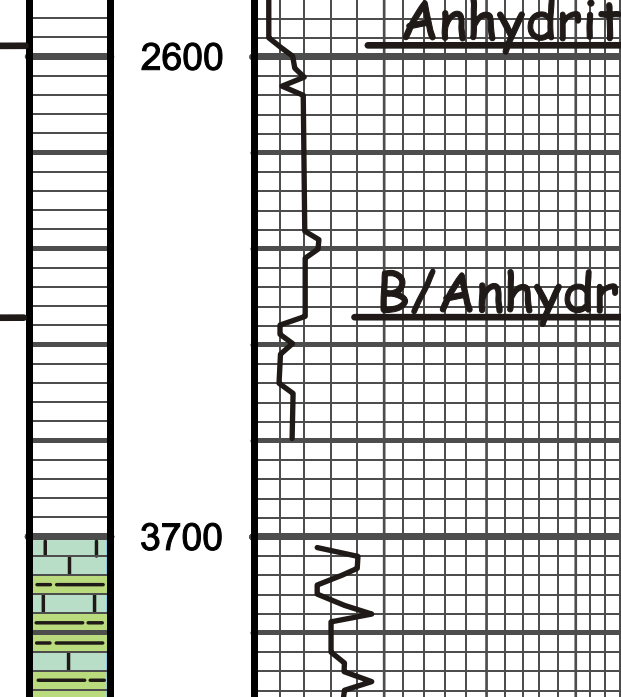
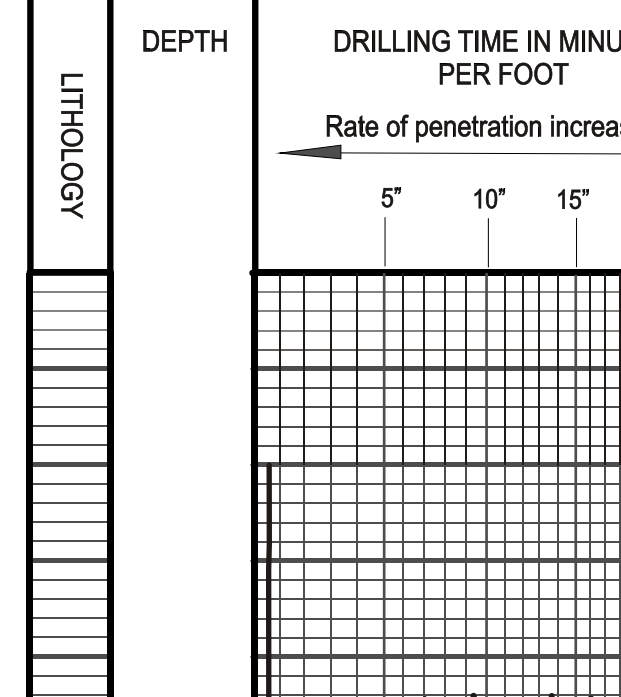
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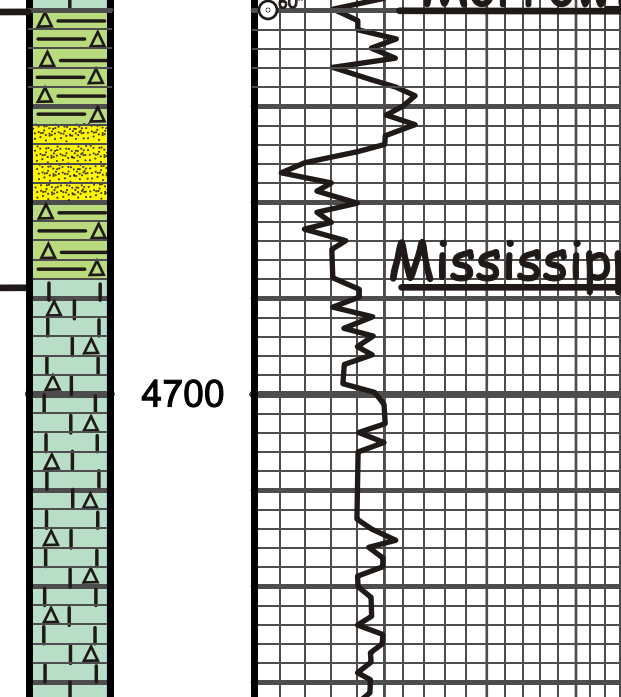
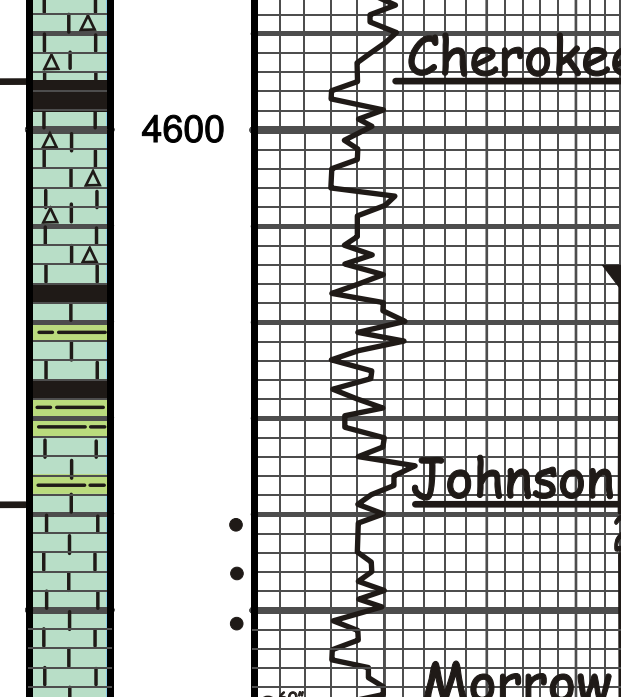
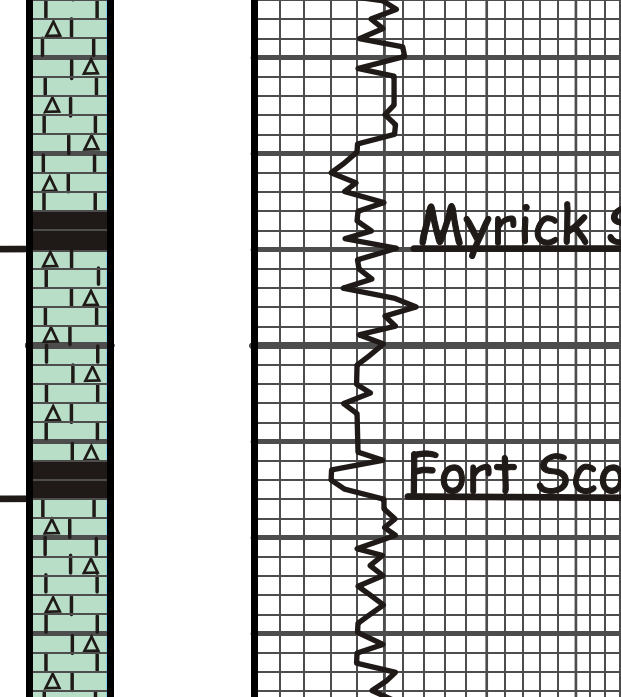
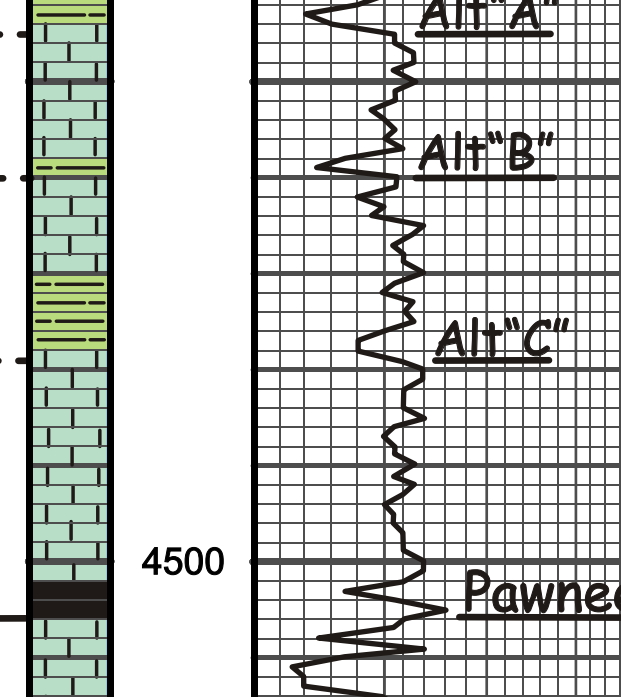
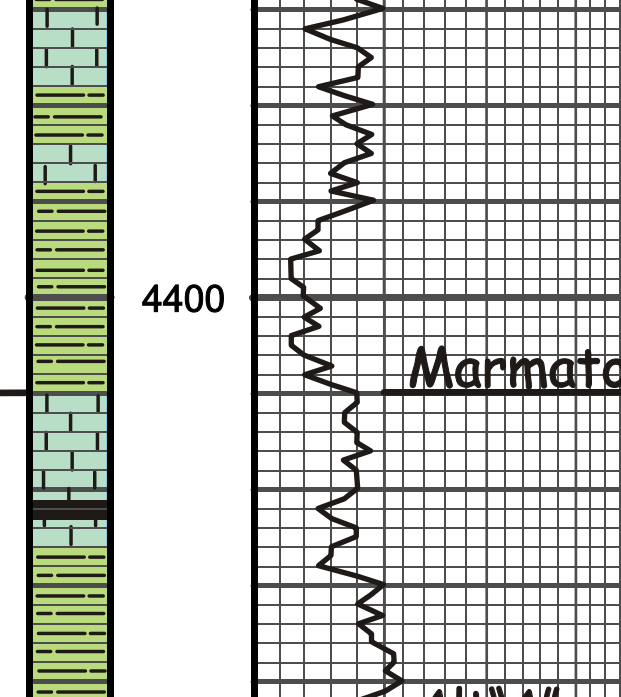
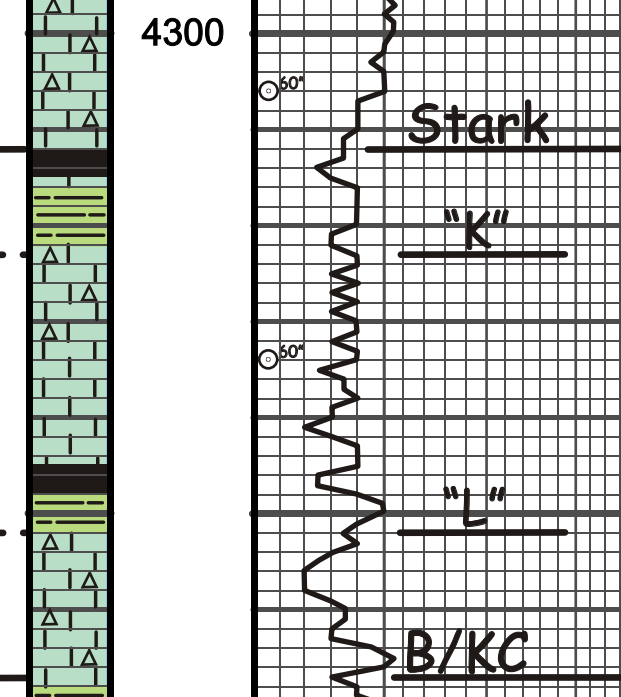
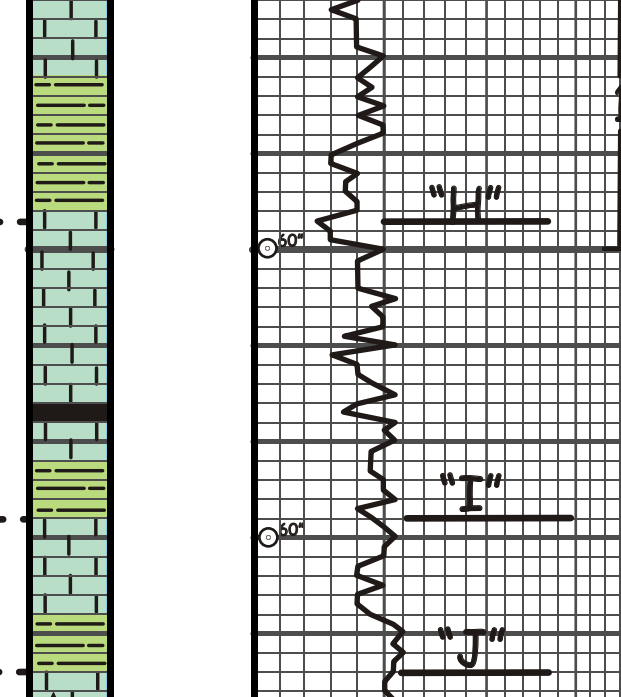
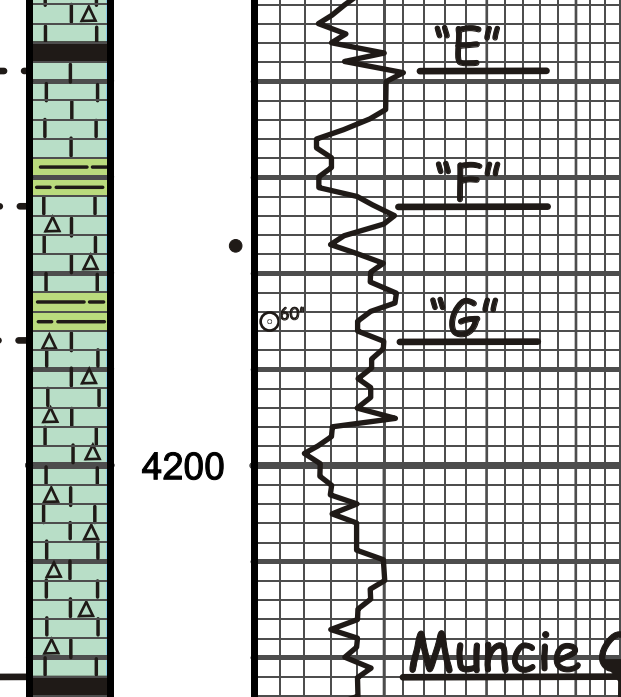
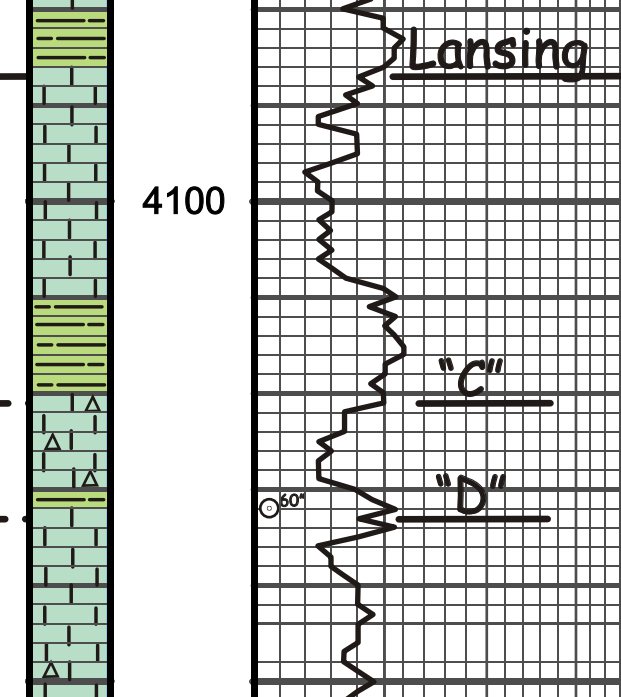
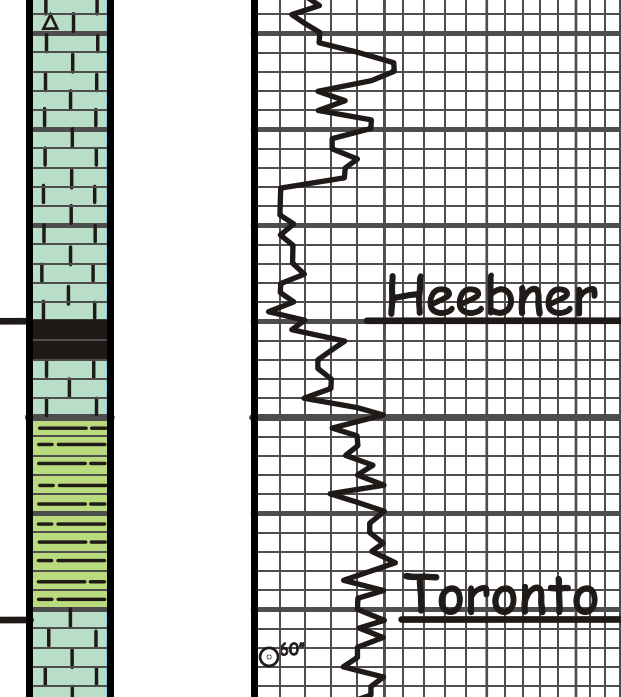
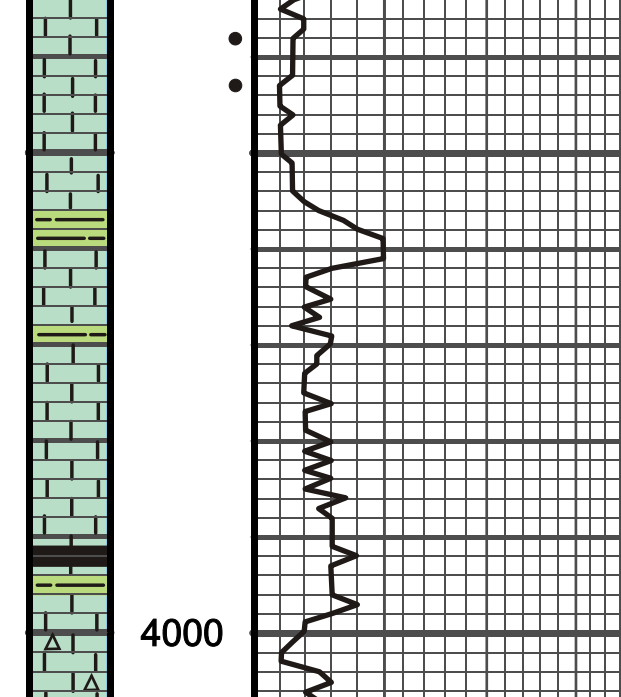
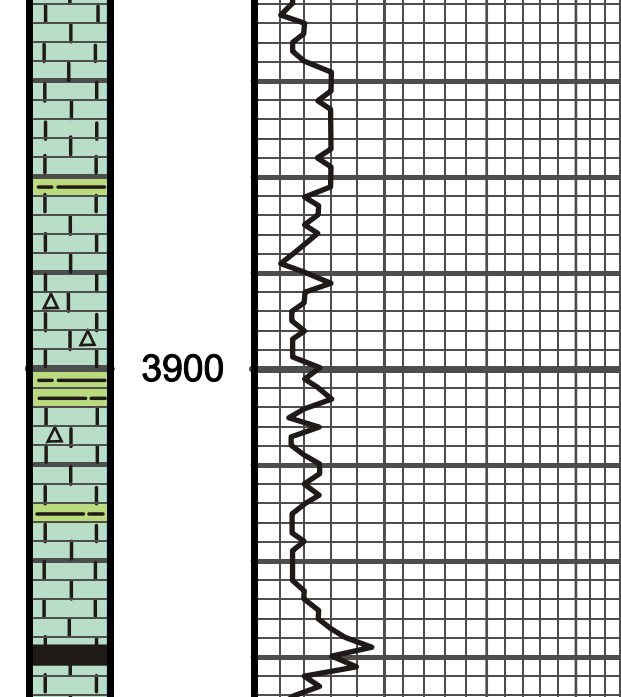
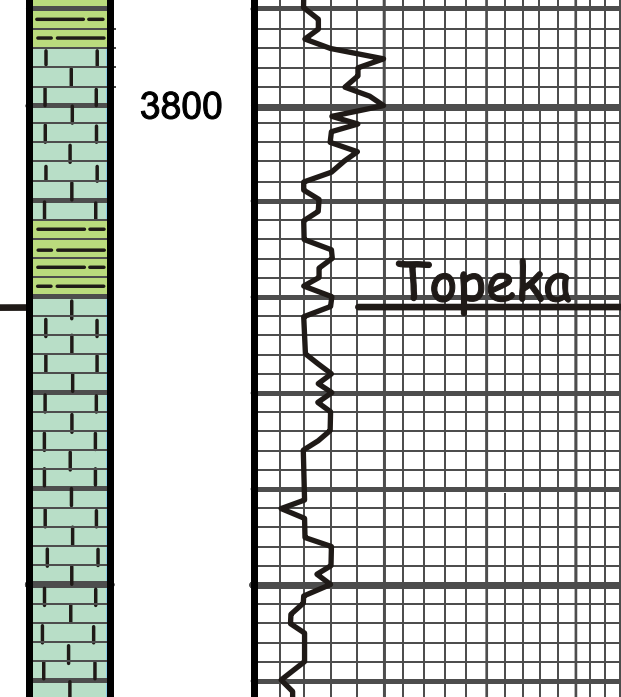
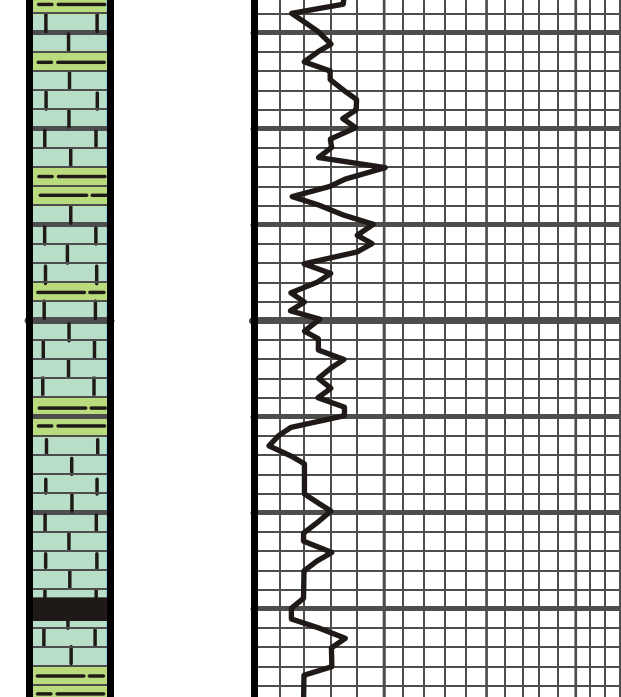
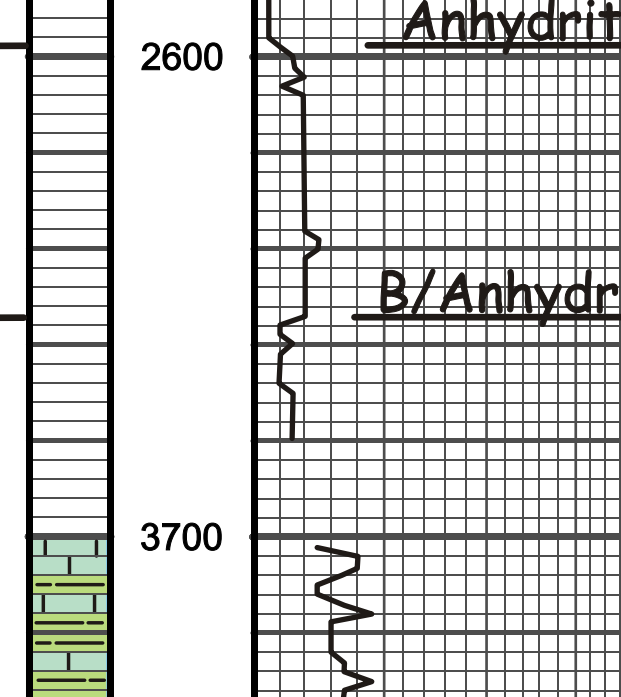
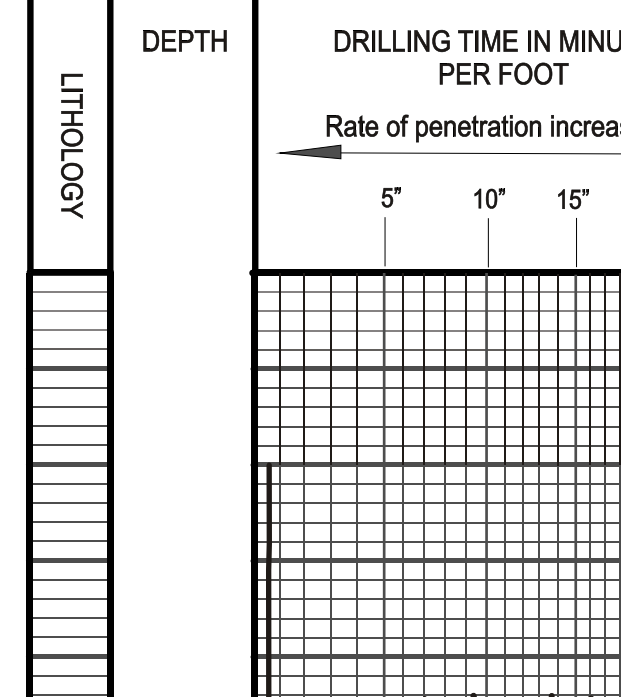
DRILL STEMS TAKEN	SURVERS
2	Halliburton

DRILL STEMS TAKEN	SURVERS
2	Halliburton

DRILL STEMS TAKEN	SURVERS
2	Halliburton



DEPTH	DRILLING TIME IN MINUTES PER FOOT	SAMPLE DESCRIPTIONS	REMARKS
2600		Anhydrite	EL 2599 (+485)
3700		B/Anhydrite	EL 2626 (+458)
3800		Sh, gry & green LS, crm-gry fn xln v. fossil pr interpart poro NSNO Sh, lt gry LS, crm fn xln sli fossil pr interpart poro NSNO Sh, gry, green, maroon LS, crm-tan fn xln v. fossil pr-fr interpart poro NSNO LS, crm fn xln sli fossil pr interpart poro NSNO Sh, gry, green, maroon LS, crm-fn-xln fossil-pr-fr interpart poro barren NSNO abun pieces mushy wht chalk Sh, dk gry-blk LS, AA: sm mushy wht chalk Sh, gry, green, maroon LS, tan fn xln sli fossil pr interpart poro NSNO LS, crm-tan fn xln sli fossil pr interpart poro NSNO Sh, gry, green, maroon Topeka LS, crm-tan fn xln fossil & ool pr-fr interpart poro NSNO LS, crm-gry fn xln sli fossil pr interpart poro, dense NSNO chalky LS, crm-gry fn xln fossil pr interpart poro NSNO; abun wht chalk LS, crm fn xln fossil & ool chalky pr interpart poro NSNO LS, AA: incr pieces wht chalk LS, crm-gry fn xln fossil pr poro NSNO; subchalky Sh, gry & green LS, crm-tan fn xln fossil & ool pr-fr interpart poro NSNO LS, crm-gry fn xln sli fossil ool pr interpart poro NSNO sc pieces wht angular chert LS, crm AA LS, crm fn xln fossil pr interpart poro NSNO LS, crm-gry fn xln fossil pr interpart poro NSNO Sh, blk carbonaceous LS, crm fn xln sli fossil pr interpart poro v. chalky NSNO abun pieces mushy wht chalk; cpi pieces quest spotty sm LS, crm fn xln fossil pr interpart poro; NSNO v. chalky mealy, abun pieces mushy wht chalk Sh, gry, green, maroon LS, crm-gry fn xln sli fossil pr visible poro; dense NSNO Sh, gry, green, maroon LS, crm-gry fn xln sli fossil pr visible poro NSNO LS, crm AA Sh, blk carbonaceous LS, crm fn xln fossil pr-fr interpart barren NSNO sc wht chert LS, crm AA LS, crm-tan fn xln fossil; pr visible poro NSNO LS, crm fn xln fossil; pr visible poro NSNO LS, tan fn xln v. ool, pr-fr interpart poro barren NSNO LS, tan AA Heebner Sh, blk carbonaceous Sh, gry, green, maroon Toronto Sh, gry, green, maroon Lansing Sh, gry, green, maroon LS, crm-tan fn xln fossil pr interpart poro; barren NSNO LS, crm-wht fn xln sli fossil v. oolitic; pr visible poro; NSNO LS, wht fn xln oolitic pr interpart poro; NSNO Sh, maroon & dk gry LS, crm fn xln sli fossil; v. ool pr-fr interpart poro; NSNO; sc wht & tan chert Sh, gry & green LS, crm-wht fn xln pr visible poro dense NSNO sc pieces wht chalk LS, crm-wht fn xln pr visible poro; dense blocky NSNO sc wht chert Sh, blk carbonaceous LS, crm-gry fn xln sli fossil; pr visible poro; dense barren NSNO LS, crm-gry fn xln fossil iso vug poro; pr-fr interpart poro; sev pieces fr med-coarse gr; fine subpart str; S-SFO, sil odd; chalk w/tan & orange chert in 40" LS, crm-wht fn xln ool & sli blk poro; pr interpart poro barren NSNO sc wht & clear chert LS, crm-wht fn xln pr visible poro; dense blocky NSNO; v. chalky; abun clear & tan chert LS, crm-gry fn xln pr visible poro; dense NSNO abun tan & wht chert LS, AA Muncie Crk Sh, blk carbonaceous LS, crm-tan-brwn fn xln fossil pr visible poro NSNO Sh, dk gry & maroon; samples washing red; v. gummy Sh, AA, jetted hole in #1; ran in fresh mud to clean up samples LS, crm fn xln sli fossil; pr visible poro; overall dense & barren slight quest odor in stop sample LS, AA Sh, blk carbonaceous Sh, dk gry & maroon; gummy LS, crm fn xln fossil; sli ool; 1-2 pieces w/rare vugular poro; v. fr brwn edge, stain around vugs/NSFO; no odor Sh, abun dk gry & maroon LS, crm fn xln slightly fossil; pr-fr interpart poro; many pieces dense NSNO sc pieces wht chert LS, AA Stark Sh, blk carbonaceous Sh, gry & maroon LS, crm-gry fn xln sli fossil; pr-fr interpart poro; NSNO sc pieces wht & gry chert LS, crm-tan fn xln sli fossil; pr visible poro; NSNO Sh, blk carbonaceous Sh, dk gry, green, maroon LS, crm-gry fn xln sli oolitic pr interpart poro; barren NSNO sc pieces gry chert LS, AA B/KC Sh, gry, green, maroon LS, crm-gry fn xln fossil pr interpart poro; NSNO Sh, gry & green; silty LS, crm fn xln sli fossil pr visible poro blocky NSNO Sh, gry, green, maroon; v. silty Sh, AA Marmaton LS, crm-yellow-pink fn xln pr visible poro NSNO mealy Sh, blk carbonaceous Sh, abun dk gry, green, maroon Sh, gry & green Alt "A" LS, tan-yellow-gry fn xln sli fossil pr vis poro; dense NSNO LS, AA Alt "B" Sh, maroon & green LS, crm fn xln ool, pr interpart poro; barren NSNO Alt "C" Sh, abun gry; v. gummy LS, crm-tan fn xln sli fossil pr interpart poro; NSNO LS, crm AA Pawnee Sh, blk carbonaceous LS, crm-tan fn xln sli fossil; pr interpart poro; NSNO fr amt mushy wht chalk LS, crm fn xln pr interpart poro; NSNO sc pieces blue gry chert LS, tan-gry fn xln fossil pr interpart poro NSNO sc pieces smoky tan chert Myrick Sta Sh, blk carbonaceous LS, crm-tan-brwn fn xln fossil; pr interpart poro; NSNO sc tan & smoky chert LS, AA; sc tan chert Fort Scott Sh, blk carbonaceous LS, crm-tan fn xln ool w/ dk inclusions; oolitic; pr interpart poro NSNO sc tan chert LS, crm-gry-brwn fn xln pr interpart poro; NSNO sc tan angular chert LS, AA; sc tan chert Cherokee Sh, blk carbonaceous LS, crm-tan fn xln sli fossil pr interpart poro NSNO sc tan opaque chert LS, crm fn xln pr vis poro; NSNO; sc tan chert Sh, blk carbonaceous Sh, lt gry, dk gry, green Sh, blk carbonaceous Sh, gry, green, maroon Johnson Zn LS, crm-brwn fn xln fossil sm dolomite; iso vugular poro; pr-fr interpart poro; gd amt med-dk brwn subst-sat str; S-SFO several gas bubbles on brk fr; gd gassy odor; sil yellow flour; milky bit Morrow Sh Sh, bright green, mustard yellow, maroon, olive, purple w/tan chert; few dense clusters S; v. fine; NSNO SS, cr, med-coarse gr; frily sorted; dense clusters; v. fine; pr intergran poro; NSNO Sh, bright green, mustard yellow maroon, abun tan & orange chert Mississippian LS, crm-wht fn xln fossil sdy matrix pr-fr interpart poro barren NSNO sc wht chert LS, crm-wht fn xln fossil; oolitic pr interpart poro; sandy matrix; NSNO few sd clusters, sc wht chert LS, crm-wht fn xln sli fossil & ool dense; pr visible poro NSNO sc wht & orange chert LS, crm-yellow fn xln sli fossil pr interpart poro; NSNO sc tan chert LS, crm fn xln v. ool; pr interpart poro NSNO LS, crm-tan fn xln sli fossil pr visible poro NSNO LS, crm-wht fn xln sli fossil & ool dense; pr visible poro NSNO LS, wht fn xln fossil & ool pr interpart poro; NSNO	





Company: Russell Oil, Inc
Lease: Rohleder Trust #28-1

SEC: 28 TWN: 11S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rig 8
 Elevation: 3079 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 334

Operation:
 Uploading recovery & pressures

DATE
 May
01
 2019

DST #1 **Formation: LKC "H"** **Test Interval: 4220 - 4250'** **Total Depth: 4250'**
 Time On: 22:48 05/01 Time Off: 04:41 05/02
 Time On Bottom: 00:54 05/02 Time Off Bottom: 02:54 05/02

Electronic Volume Estimate:
 23'

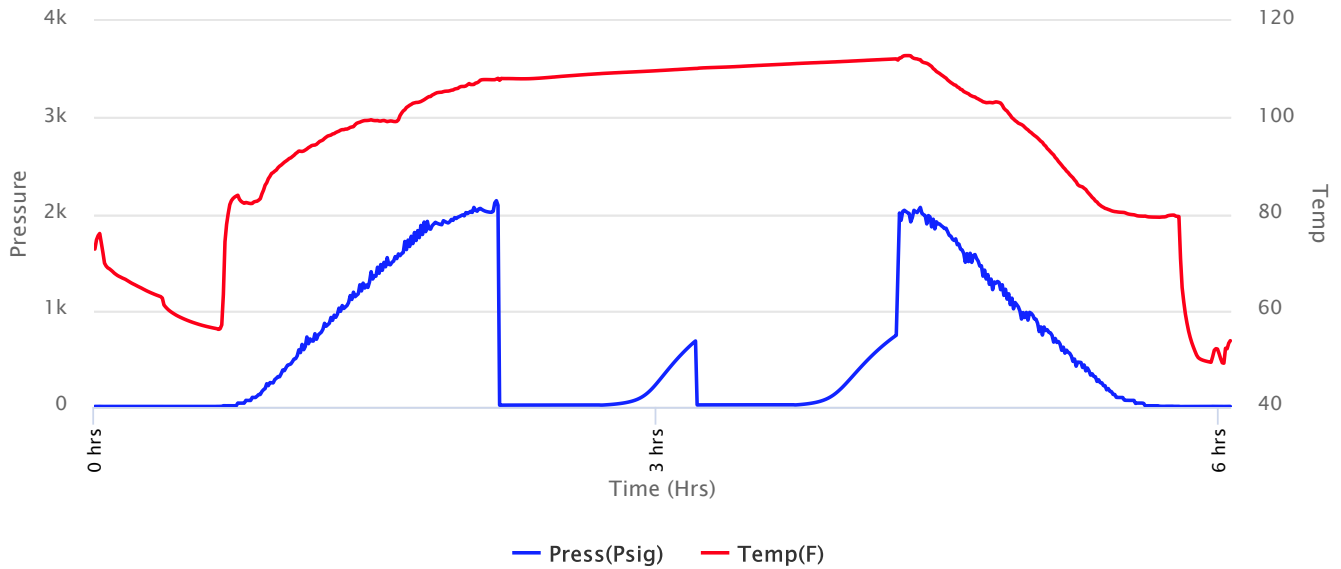
1st Open
 Minutes: 30
 Current Reading: .6" at 30 min
 Max Reading: .6"

1st Close
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 30
 Current Reading: .1" at 30 min
 Max Reading: .1"

2nd Close
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

Inside Recorder





Company: Russell Oil, Inc
Lease: Rohleder Trust #28-1

SEC: 28 TWN: 11S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rig 8
 Elevation: 3079 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 334

Operation:
 Uploading recovery & pressures

DATE
 May
01
 2019

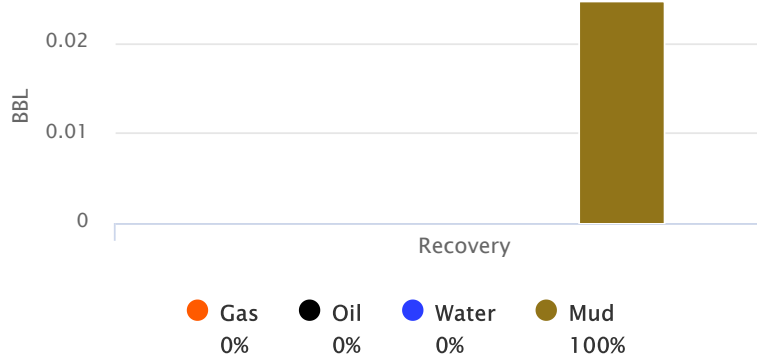
DST #1 **Formation: LKC "H"** **Test Interval: 4220 - 4250'** **Total Depth: 4250'**
 Time On: 22:48 05/01 Time Off: 04:41 05/02
 Time On Bottom: 00:54 05/02 Time Off Bottom: 02:54 05/02

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
5	0.0246	M	0	0	0	100

Total Recovered: 5 ft
 Total Barrels Recovered: 0.0246

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	2020	PSI
Initial Flow	18 to 20	PSI
Initial Closed in Pressure	683	PSI
Final Flow Pressure	21 to 22	PSI
Final Closed in Pressure	731	PSI
Final Hydrostatic Pressure	2005	PSI
Temperature	112	°F
Pressure Change Initial Close / Final Close	0.0	%

GIP cubic foot volume: 0



Company: Russell Oil, Inc
Lease: Rohleder Trust #28-1

SEC: 28 TWN: 11S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 8
Elevation: 3079 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 334

Operation:
Uploading recovery &
pressures

DATE
May
01
2019

DST #1 **Formation: LKC "H"** **Test Interval: 4220 -**
4250' **Total Depth: 4250'**
Time On: 22:48 05/01 Time Off: 04:41 05/02
Time On Bottom: 00:54 05/02 Time Off Bottom: 02:54 05/02

Mud Properties

Mud Type: Chem **Weight:** 9.2 **Viscosity:** 61 **Filtrate:** 6.8 **Chlorides:** 2900 ppm



Company: Russell Oil, Inc
Lease: Rohleder Trust #28-1

SEC: 28 TWN: 11S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rig 8
 Elevation: 3079 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 334

Operation:
 Uploading recovery & pressures

DATE
 May
03
 2019

DST #2 Formation: Johnson Test Interval: 4614 - 4660' Total Depth: 4660'

Time On: 23:52 05/03 Time Off: 06:23 05/04
 Time On Bottom: 02:16 05/04 Time Off Bottom: 04:16 05/04

Electronic Volume Estimate:
 32'

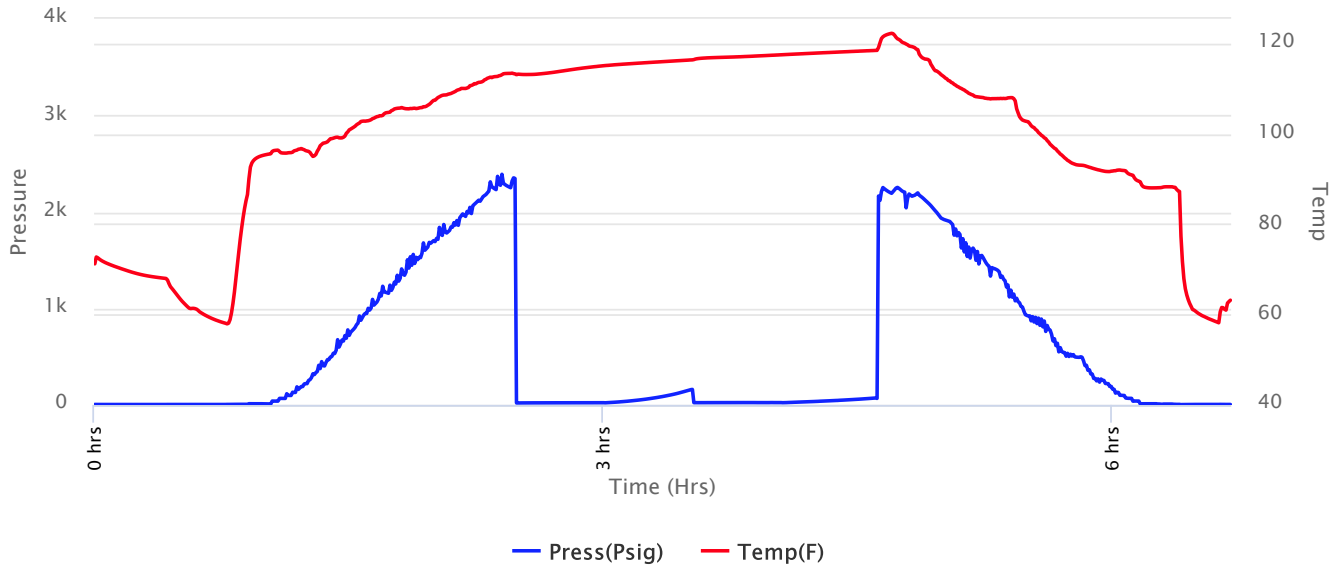
1st Open
 Minutes: 30
 Current Reading: .8" at 30 min
 Max Reading: .8"

1st Close
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 30
 Current Reading: .1" at 30 min
 Max Reading: .1"

2nd Close
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

Inside Recorder





Company: Russell Oil, Inc
Lease: Rohleder Trust #28-1

SEC: 28 TWN: 11S RNG: 32W
 County: LOGAN
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rig 8
 Elevation: 3079 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 334

Operation:
 Uploading recovery & pressures

DATE
 May
03
 2019

DST #2 **Formation: Johnson** **Test Interval: 4614 - 4660'** **Total Depth: 4660'**
 Time On: 23:52 05/03 Time Off: 06:23 05/04
 Time On Bottom: 02:16 05/04 Time Off Bottom: 04:16 05/04

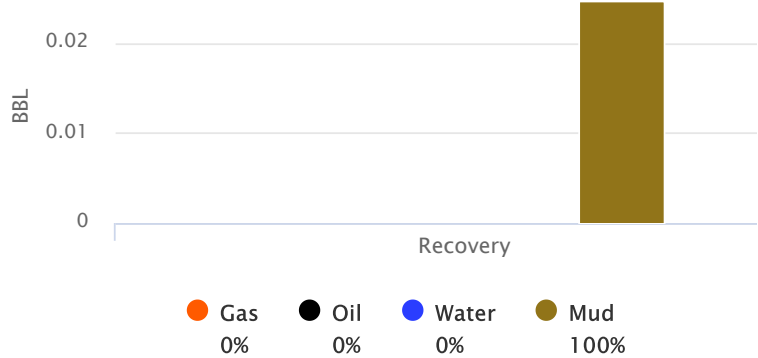
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
5	0.0246	M	0	0	0	100

Total Recovered: 5 ft
 Total Barrels Recovered: 0.0246

Reversed Out
NO

Initial Hydrostatic Pressure	2274	PSI
Initial Flow	20 to 23	PSI
Initial Closed in Pressure	161	PSI
Final Flow Pressure	23 to 24	PSI
Final Closed in Pressure	72	PSI
Final Hydrostatic Pressure	2244	PSI
Temperature	118	°F
Pressure Change Initial Close / Final Close	55.5	%

Recovery at a glance



GIP cubic foot volume: 0



Company: Russell Oil, Inc
Lease: Rohleder Trust #28-1

SEC: 28 TWN: 11S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 8
Elevation: 3079 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 334

Operation:
Uploading recovery &
pressures

DATE
May
03
2019

DST #2 Formation: Johnson Test Interval: 4614 - Total Depth: 4660'
4660'
Time On: 23:52 05/03 Time Off: 06:23 05/04
Time On Bottom: 02:16 05/04 Time Off Bottom: 04:16 05/04

BUCKET MEASUREMENT:

1st Open: 1/8" Blow built to 3/4" over 30 min.
1st Close: No Return
2nd Open: Weak surface blow started at 13 min. Did not build or die.
2nd Close: No Return

REMARKS:

Show of Oil in tool sample.

Tool Sample: 0% Gas 1% Oil 0% Water 0% Mud

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1282

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-5-19	28	11	32	Logan	Ks		12:00 PM
Lease				Location			
Rohleder Trust				Oakley - 45 to Apache Acee, 2W,			
Contractor			Well No.	Owner			
WW #8			28-1	3/4 N, E into			
Type Job			To Quality Oilwell Cementing, Inc.				
plug			You are hereby requested to rent cementing equipment and furnish				
Hole Size			T.D.	Charge To			
7 7/8"			4770'	Russell oil			
Csg.			Depth	Street			
Tbg. Size			Depth	City			
4 1/2" D.P.			2615'	State			
Tool			Depth	The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.			Shoe Joint	Cement Amount Ordered			
				240 60/40 40% Gel 1/4# Flowseal			
Meas Line			Displace	Common			
			H2O / mud	144			
EQUIPMENT							
Pumptrk	No.	Cement	Helper				
20		David					
Bulktrk	No.	Driver	Note				
15		Jack					
Bulktrk	No.	Driver					
p.u.		Rick					
JOB SERVICES & REMARKS							
Remarks:			Hulls				
2615' - 50 SX			Salt				
Rat Hole			Flowseal				
1680' - 100 SX			60#				
Mouse Hole			Kol-Seal				
365' - 50 SX							
Centralizers			Mud CLR 48				
40' - 10 SX w/ plug							
Baskets			CFL-117 or CD110 CAF 38				
Rathole w/ 30 SX							
D/V or Port Collar			Sand				
Cement did Circulate			Handling				
			249				
			Mileage				
FLOAT EQUIPMENT							
Guide Shoe			Dry hole plug				
Centralizer							
Baskets							
AFU Inserts							
Float Shoe							
Latch Down							
Pumptrk Charge			plug				
Mileage			15				
Signature			Tax				
[Signature]			Discount				
			Total Charge				

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1426

Date	4-27-19	Sec.	28	Twp.	11	Range	32	County	Logan	State	KS	On Location		Finish	2:30 PM
Lease	Rohleder Trust			Well No.	28-1			Location	Oakley 4s Apache Ace 2w 1/2" ESTE						
Contractor	WJ #8						Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.							
Type Job	Surface						Charge To	Russell Oil							
Hole Size	12 1/4			T.D.	314			Street							
Csg.	8 5/8			Depth	312			City	State						
Tbg. Size				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Tool				Depth				Cement Amount Ordered	200 @ 200 3 1/2" 27-6EL						
Cement Left in Csg.	15			Shoe Joint											
Meas Line				Displace	19.5L										
EQUIPMENT								Common							
Pumptrk	20	No.		Cementer	[Signature]			160							
				Helper	[Signature]			Poz. Mix							
Bulktrk		No.		Driver	[Signature]			40							
				Driver	[Signature]			Gel.							
Bulktrk	9	No.		Driver	[Signature]			4							
				Driver	[Signature]			Calcium							
								8							
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
8 5/8 on bottom Est. Circulation								Handling							
Mix 200 SK @ Displace								2 1/2							
Cement Circulated								Mileage							
								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Surface							
								Mileage							
								15 (min)							
								Tax							
								Discount							
								Total Charge							
X Signature								[Signature]							

Thanks

