

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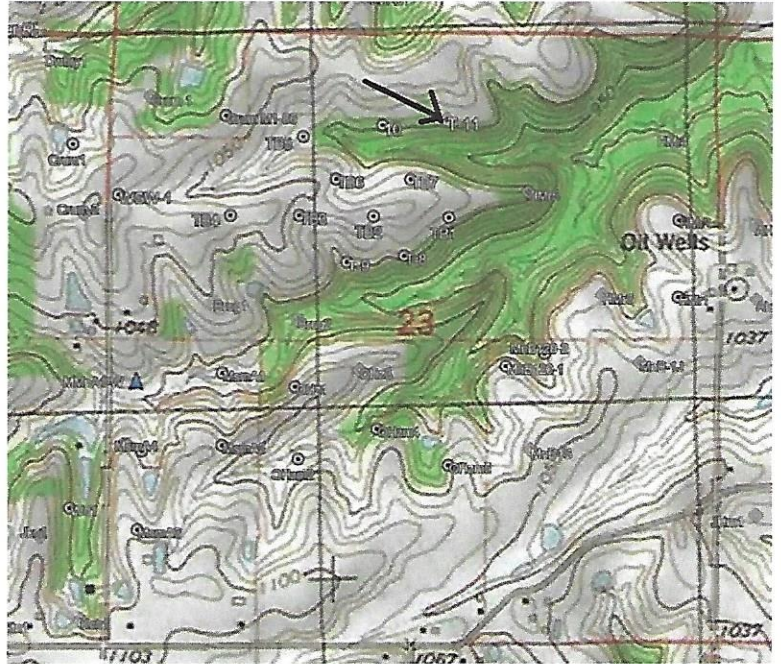
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Geological Wellsite Report

By David Griffin, RG
Griffin Geological Resources, Inc.
November 21, 2017

Well Info: Taylor-Bird T-11, Deepening
N2 SW NW NE/4
4488' fsl, 2972' fwl
Section 23, T8S-R21E
Leavenworth County, KS
API No. 15-103-21322-00-01
GPS Coordinates
W-95.038376, N39.344238
Datum: GL, Elev. 1017'
RTD: 1842', GL
Status: Dry Hole,
Plugged and Abandoned



Operator: Thomas Well Service, Inc.
P.O. Box 97
McLouth, KS 66054
Operator License No.: 30329
Owner: Bob Thomas

Contractor: HAT Drilling, LLC
12371 KS Hwy 7
Mound City, Kansas, 66056
Contractor License No.: 33734

Objective: Evaluate the Mississippian and Hunton

Drilling Notes:

November 7, 2017, Mix Polymer-Gel based mud, Drill out top cement plugs
November 8, 2017, Reach OTD of 1408', now 1410' due to 21' soil pad. Drill from 1410' to 1558', 6 $\frac{3}{4}$ " 5-Blade PDC Bit, Shut down overnight.
November 9, 2017, Drill from 1558' to 1838', Begin Bit Trip, Shut down overnight
November 10 thru November 12, 2017, Try to fish out lost kelly pin in hole, Trip in button bit, Drill 4' more. Junk not recovered, Logging not performed.
November 13, 2017, Abandon and plug hole.

Geological Supervision:

David Griffin, RG, provided wellsite supervision on November 8 and 9, 2017. Drilling was witnessed from 1410' to 1838'. Samples were microscopically examined from 1410' to 1838'. Samples contained much sluff and carryover.

Cement Co.: Consolidated Oil Well Service Co., Contractor License No.: 04996

Geological Datums:

Geologic Tops					
Thomas Well Service, Inc. Taylor-Bird T-11 N/2 SW NW NE/4 Sec. 23-T8S-R21E			Triple "E" Drilling Taylor-Bird 10 ~NE SE NE NW/4 Sec. 23-T8S-R21E		
Geologic Zones of Interest	Sample Tops		STRC COMP	GRN Log	
	GL Elev. 1017'			GL Elev. 1011'	
	Depth	Subsea		Depth	Subsea
Base Kansas City	625			na	
Cherokee	na			na	
Coal Marker	~1237	-221	-3	1229	-218
Upper McLouth SS	~1286	-270	-1	1280	-269
Base SS	~1310	-294	-3	1301	-290
Lower McLouth SS	absent?			1345	-334
Burgess SS	absent			1388	-377
Top of Mississippian	1418	-401	-6	1406	-395
B-K Chert, Zone 1	1630	-613			
B-K Chert, Zone 2	1692	-675			
Kinderhook Shale	1791	-774			
Rotary Total Depth	1842	-826		1420	-409

Structural Comparisons:

Comparison of the top of the Top of Mississippian indicates that Taylor-Bird T-11 is 6' structurally low to Taylor-Bird 10, a producer lying 534' to the west.

Gas Detection, Logs, Cores, DST's:

Total gas detection was performed from 1410' to 1838', no wireline logs or cores were ran on this well.

Descriptions of Oil Show Zones:

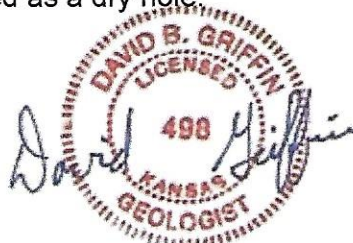
A very slight to trace show of tar was observed in the top 20' of the Mississippian LS, from ~1418' to 1440'. No other shows were observed.

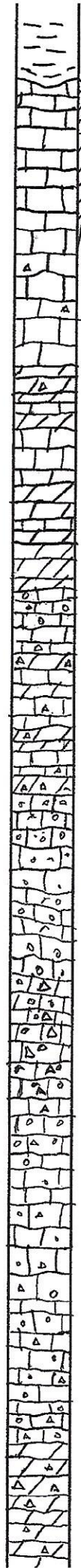
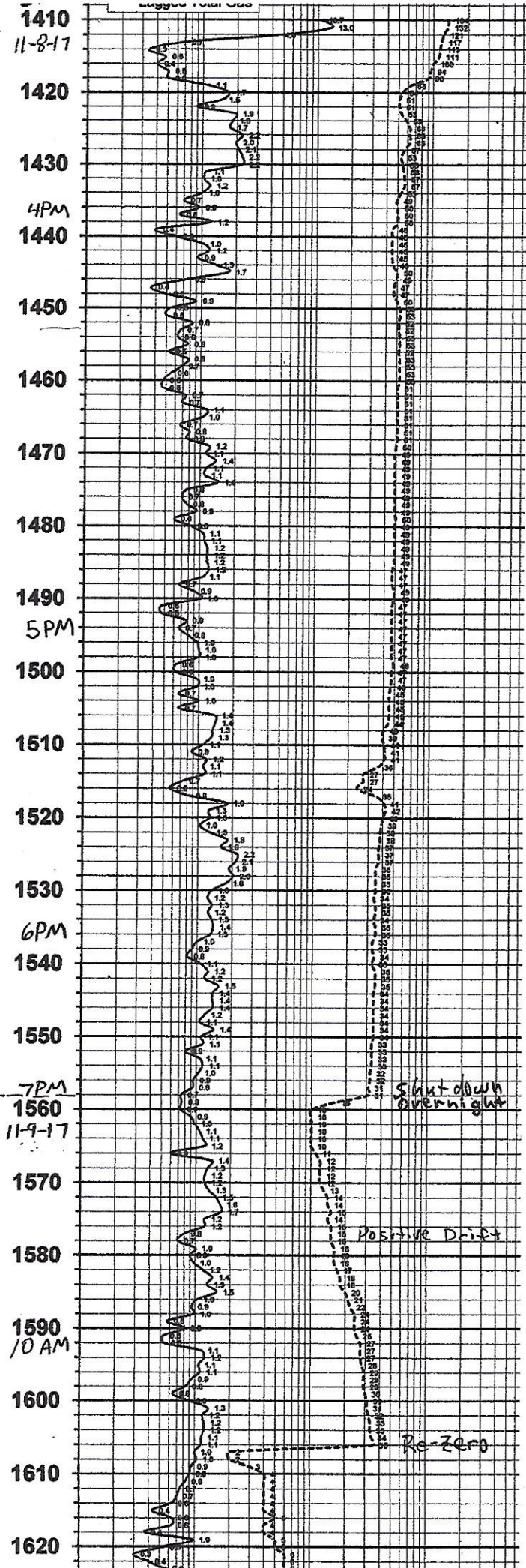
Summary:

Taylor-Bird T-11 contained only a very slight to trace show of tar in the top 20' of the Mississippian and the Hunton was not reached due to junk in the hole, therefore, the well was not logged and subsequently plugged and abandoned as a dry hole.

Respectfully Submitted,

David Griffin, RG
 Griffin Geological Resources, Inc.
 Attachment: Sample Log





API No: 15-103-21322-00-01
 Sh, vlt gy to dkgy, min bk

CFS
 Vsl
 Tar, NFO
 LS, ltgy, f-m x tln, pr fr ϕ , vsl
 tar stain, No Free Oil, No odor

Trace
 Tar
 LS, AA, pr ϕ , Trace Tar stu, NFO

LS, ltgy, f-m x tln, pr ϕ , NS, No odor
 < 1%, cht, orange

LS, AA

Dol, ltgy, vf x ln, pr fr ϕ ; cht, 1%
 vlt gy to clr, NS
 LS + Dol, Intbd, NS

LS, ltgy, dus, NS

Dol, grn-gy to ltgy, pr ϕ , NS

Dol, AA, minor LS, NS

Grnst, ltgy, f x ln, pr ϕ , NS

Dol, vlg, vf x ln, cht, 5% o-wh
 LS + Dol, interbedded, NS, cht, 3%

Grnst, ltgy, f-m x ln, pr ϕ , NS

AA, NS

Grnst, AA; cht, 15, o-wh, speckled
 sharp, NS

Grnst, AA; cht, 20

CFS
 Grnst, ltgy-tln, f-m x ln, pr fr ϕ , NS
 cht 3, o-wh, sharp

Grnst + LS, cht, 3-5%

AA

AA

Dol, tn, fr ix ϕ ; cht, 20, wh, shp, NS

Dol, vlt gy to tan, f x ln, fr-gd ix ϕ

6 3/4" PDC Bit

Miss Top

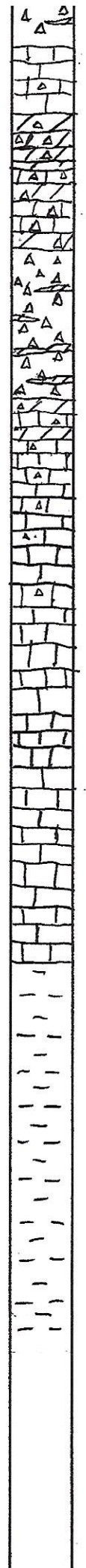
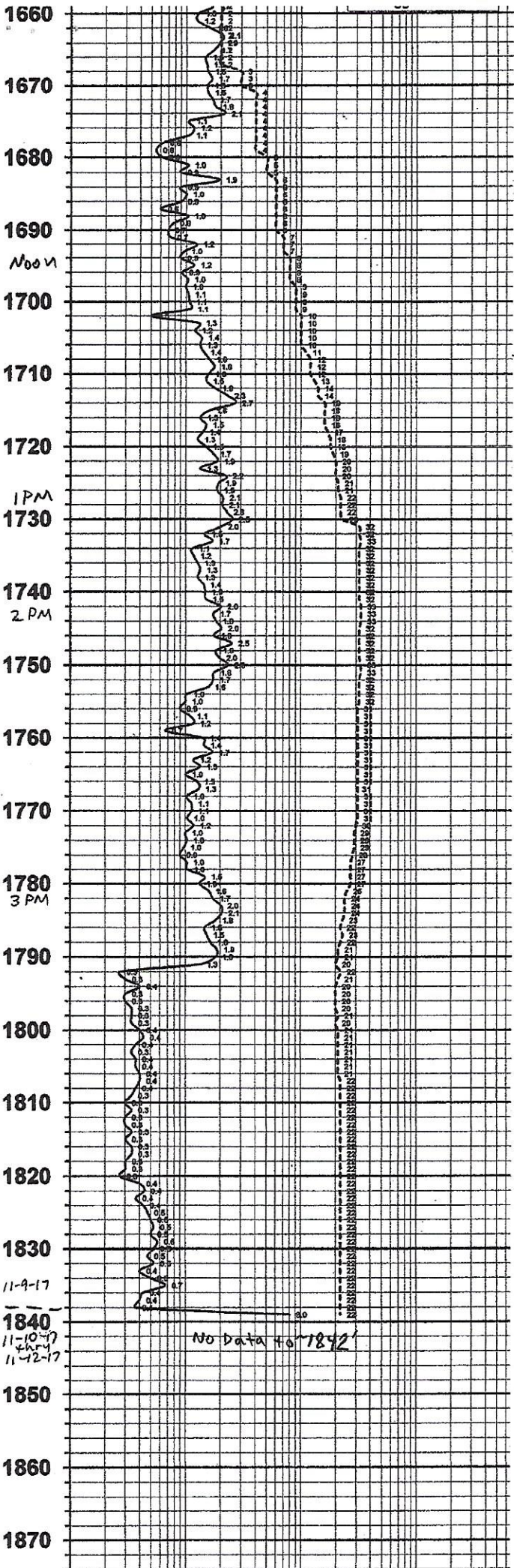
1418 (-40)

10' samples

Much
 carry over
 likely due to
 inadequate
 sample box

Good Mud
 Gel & Polymer
 Based

samples
 30-50%
 carry over &
 sluff



LS, ltgy-tu, f xln, prp, NS; Dol, 20,
cht, 30, AA

cht, 40, shrp to Trip, frp, NS; Dol, 40
LS, 10, NS

cht, 60, vlg, wh, o-wh, shrp to Trip
pr frp, NS; Dol, 20, bngy to
tan, fr xp, NS

Dol + LS int bds, vlg to dk bn-gy
+ snly, vt-xln, prp; cht, 20,
AA, NS

LS, Gy-Bu, dns; cht, 5, carryover?

LS, AA; cht, 2-3%, NS

LS, Gy-Bu, Dns, NS

LS, Gy-Bu, Dns, NS

Shale, med-gy to gy

Shale, AA, NS, No odor

- Try to fish Kelly Pin, No Luck
- Not open-Hole Logged due to Risk of getting hung in hole
- Plugged + Abandoned 11-13-17

B-K Chert (Zone 2)

1692 (675)

Work on table
lost Kelly Pin
in Hole?

Kinderhook Shale

1791 (-774)

Button Bit Trip
at 1838'

Total Depth

1842 (-825)

No Data to 1842

11-9-17
11-10-17
11-12-17