

LOCATION AND LEGALS DATA

WellSight Systems

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

Well Name: J.O. SWD
API: 15-035-24770
Location: SW NE NE NW S2-T24S-R5E
License Number: 5822
Spud Date: 11/16/22
Surface Coordinates: 347' FNL 3148' FEL

Region: Cowley County, KS
Drilling Completed: 11/30/22

Bottom Hole
Coordinates:
Ground Elevation (ft): 1229' K.B. Elevation (ft): 1238'
Logged Interval (ft): 2700' To: 4033' Total Depth (ft): 4033'
Formation: Arbuckle
Type of Drilling Fluid: Chemical

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Val Energy, Inc.
Address: 125 N Market St STE 1110
Wichita, KS 67202

GEOLOGIST

Name: Brandon Wolfe
Company: Lone Wolf Well Logging, LLC
Address: 1016 N Biddle St
Moline, KS 67353

CONTRACTORS

Drilling Rig: (Rig 2) C&G Drilling Inc. 701 E. River St. Eureka, KS 67045-2100
Drilling FLuids: Mud Co
Open Hole Logs: Osage Wireline
Cement: ELITE Cementing

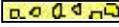
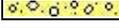
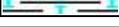
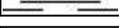
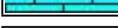
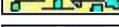
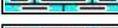
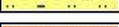
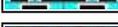
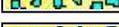
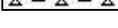
COMMENTS

5 1/2" Casing was ran to the top of the Arbuckle and cemented to top for the use of a SWD

<u>Formation</u>	<u>Sample Tops</u>	<u>Log Tops</u>
Marmaton	2741' (-1503)	2742' (-1504)
Altamont	2767' (-1529)	2763' (-1525)
Pawnee	2800' (-1562)	2800' (-1562)
Fort Scott	2840' (-1602)	2838' (-1600)
Cherokee	2872' (-1634)	2874' (-1636)
Mississippi Chert	3114' (-1876)	3114' (-1876)
Mississippi Lime	3128' (-1890)	3126' (-1888)
Kinderhook	3486' (-2248)	3488' (-2250)
Arbuckle	3542' (-2304)	3544' (-2306)
RTD & LTD	4033' (-2795)	2592' (-2354)

All tops are measured from KB: 1238'

ROCK TYPES

	Anhydrite		Shaly_ss_ii		Cherty_dolo		Qtz_wash
	Arkose		Sandstone		Dolomite		Qtz_wash_ii
	Ark_shale		Shaly_limy_ss		Limy_dolo		Argil_qtz_wash
	Granite		Washy_limy_ss		Conglomerate		Ark_qtz_wash
	Coal		Limy_ss		Carb_wash		Sdy_gw
	Limy_sh		Sdy_ls		Sdy_carb_wash		Shaly_gw
	Shale		Limestone		Shaly_sdy_carb		Gw_a
	Hot_shale		Dolo_ls		Shaly_limy_qtz_w		Gw_b
	Hot_shale_ii		Shaly_ls		Shaly_limy_qtz_w		Gw_c
	Siltstone		Carb_shaly_ls		Limy_qtz_wash		Gw_d
	Siltstone_ii		Cherty_ls		Limy_qtz_wash_ii		
	Shaly_ss		Chert		Limy_qtz_wash_iii		

ACCESSORIES

FOSSIL

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

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

STRINGER

- Arkosic inclusion
- Chert inclusion
- Anhydrite
- Arkosic qtz str
- Arkosic qtz str ii
- Arkosic str
- Arkosic str ii
- Carb wash str
- Sandy carb wash str
- Coal/carb sh
- Dolomite
- Granite str
- Limestone
- Limy ss str
- Qtz wash str
- Limy qtz wash str

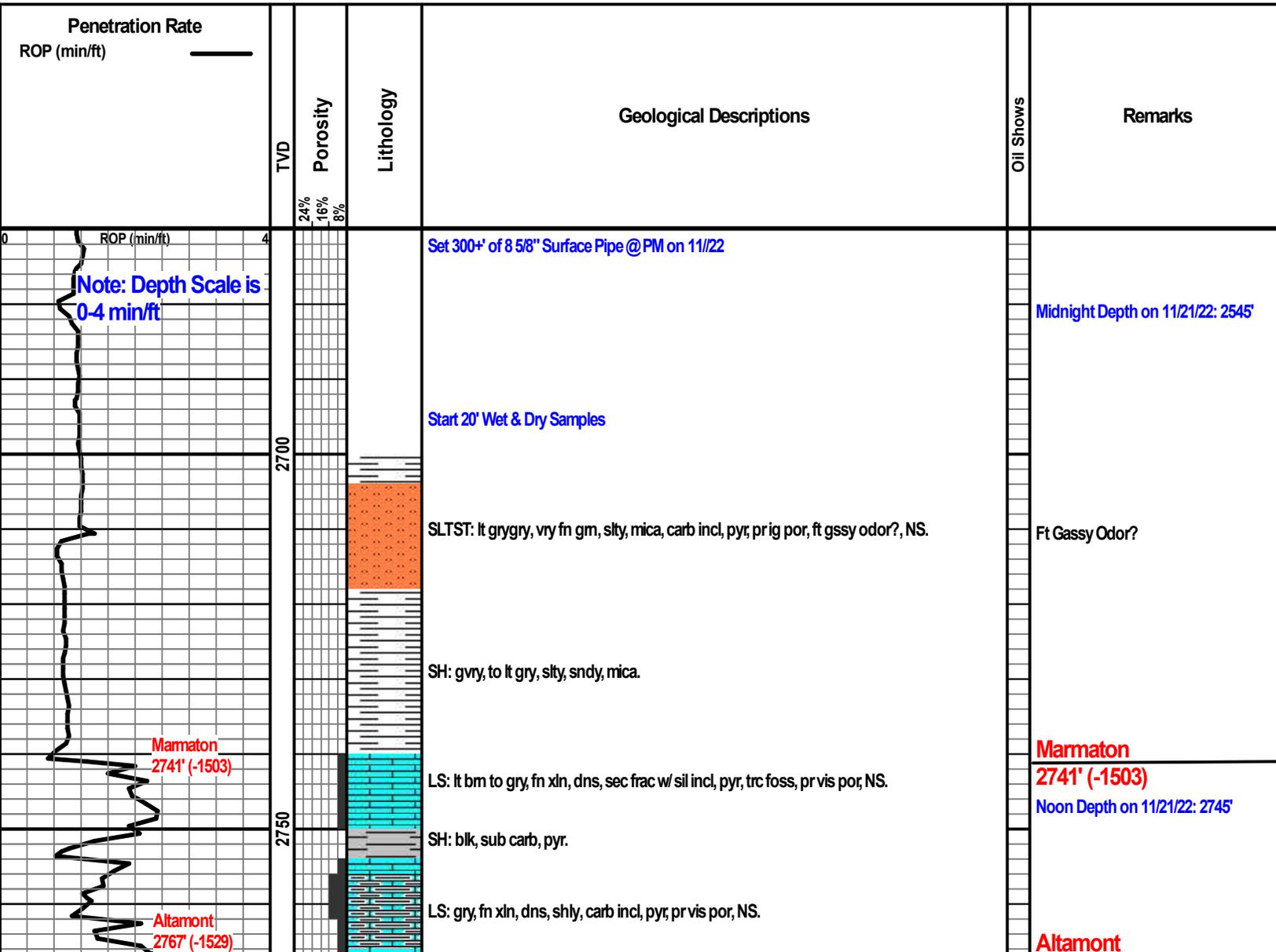
- Sandy ls str
- Shale
- Siltstone
- Sandstone

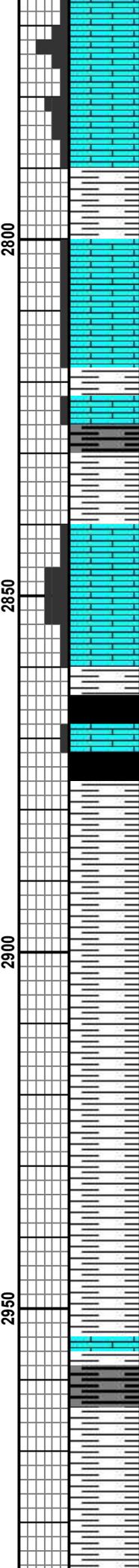
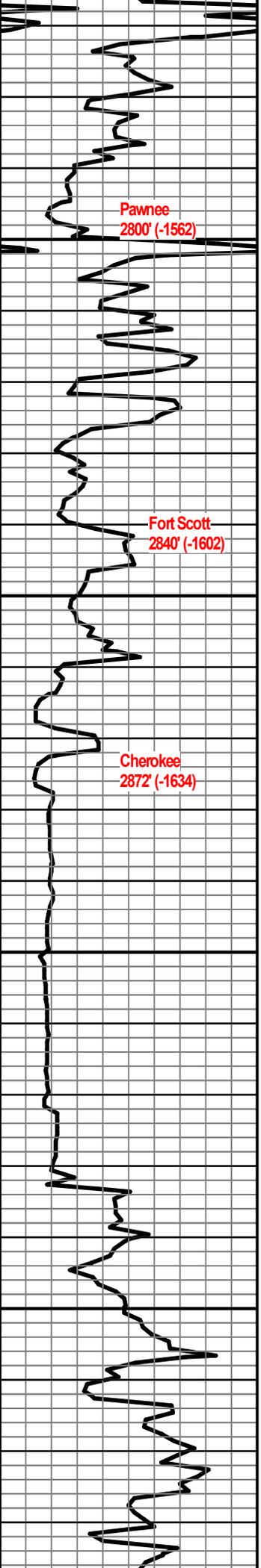
TEXTURE

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

OIL SHOW

- Even
- Spotted
- Ques
- Gas show
- Dead





LS: lt bm to buffm to gry, fn xln, dns, foss frag, re xln, sli wthrd, sli sndy, pyr in frac, occ fr interxln por, no strn, no SFO, scat dull to sm brght yllw flor on xln edge, vry ft odor.

LS: AAw/NS.

SH: gry, sft, chlky.

LS: lrt bm to gry, fn to med xln, dns, occ wthrd w/ sndy xln, re xln, frac, fr interxln por, scat brght flor on xln dns, no strn, no SFO, no odor.

LS: bm, fn xln, dns, hrd, no vis por, NS.

SH: blk to gry, carb, micro emb pyr, frm.

Fort Scott
2840' (-1602)

LS: cm to buff, fn to med xln, dns, wthrd, sil incl, sli sndy, pyr, sli chlky, fr interxln por, trc PP por, scat brght yllw flor on xln edge, no SFO, no strn, ft odor.

SH: blk, vry carb, emb pyr, sli sh odor.

SH: AA.

Cherokee
2872' (-1634)

SH: gry, slty, sndy, pyr, mica.

SH: gry to drk gry, sft, chlky.

SH: gry, sft, chlky, mshy.

SH: blk, carb, emb pyr, frm.

2767' (-1529)

Vry Ft Odor

Pawnee
2800' (-1562)

Fort Scott

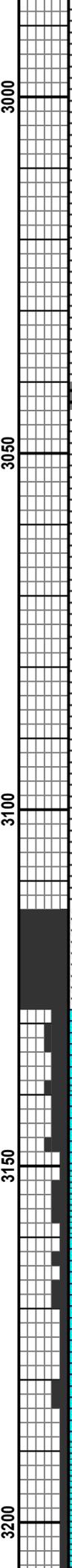
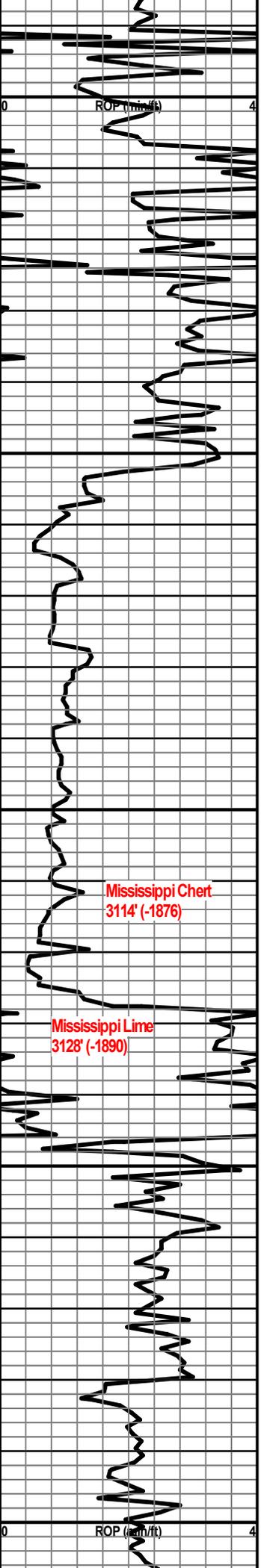
2840' (-1602)

Ft Odor

Cherokee

2872' (-1634)

WT 9.4
Vis 35



SH: gry to drk gry, phos nodules, pyr.

SH: gry, blk, pyr, carb.

SH: gry to drk gry, pyr, LS stmgrs, phos nodules.

SH: gry, blk, pyr, carb.

SH: gry to drk gry, pyr, LS stmgrs, phos nodules.

SH: samples very shly, bm to gry to drk gry, thin lam, pyr, phos nodules, scat pcs of CHT, grt tripo por, no flor, no odor.

Very Shaley Samples.

LS: mstly bm to sm gry, fn to med xln, sli wthrd, sndy IP, pyr, frac, scat pcs of wthrd cht, pr to fr interxln por, few pcs brght flor, no SFO, ft odor.

LS: AA w/ fr interxln por, lam pr to no vis por, scat brght flor, no SFO, no strn, vry ft odor.

LS: mstly gry, fn to occ med xln, dns, frac w/ pyr incl, mstly pr vis por, NS.

LS: bm to drk bm, vry fn xln, dns, sil, micro emb pyr, pr to no vis por, NS.

Midnight Depth on 11/22/22: 2995'

Wt 9.5
Vis 37

Mississippi Chert
3114' (-1876)

Mississippi Lime
3128' (-1890)

Ft Odor

Noon Depth on 11/22/22: 3165'

Slowly Loosing Volume. Mix Slug. Jet tank for Wt control.

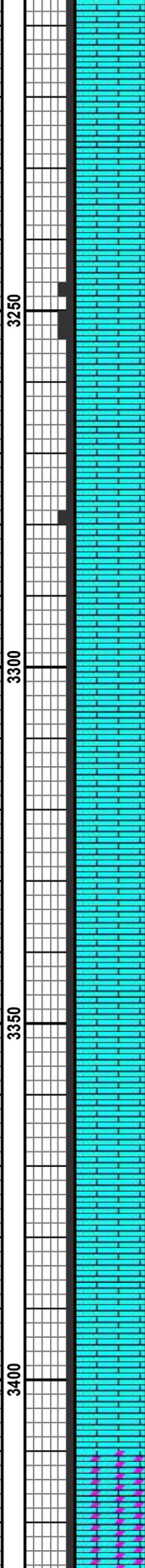
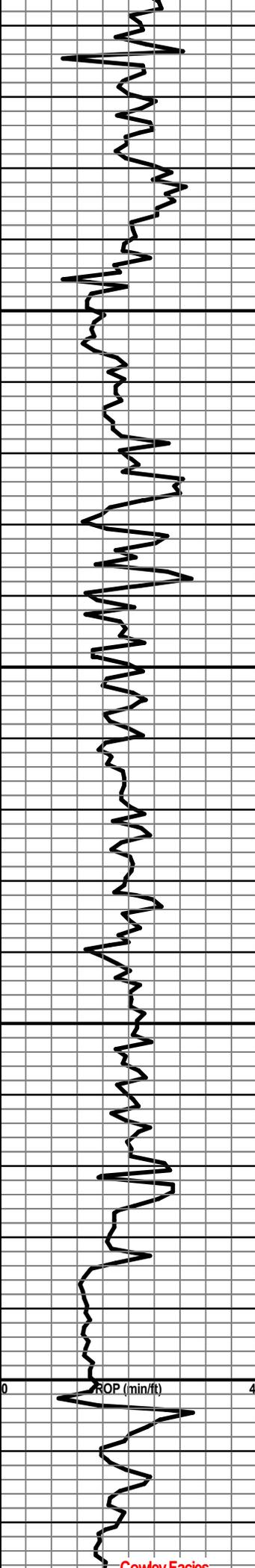
Wt 9.1
Vis 33
LCM 4

Mississippi Chert
3114' (-1876)

Mississippi Lime
3128' (-1890)

ROP (min/ft)

ROP (min/ft)



LS: bm to lt bm, fn xln, dns, sli trc wthrd, re xln, pyr, trc foss, mstly pr to occ fr vis interdn por, NS

LS: bm to gry, fn to vry fn xln, dns, hrd, pyr sil incl, trc cht, pr vis por, NS.

LS: gry to bm, fn xln, dns, hrd, sil incl, pyr, pr vis por, NS.

LS: bm to occ grym fn to vry fn xln, dns, hrd, sec frac w/ pyr incl, pr vis por, NS.

LS: AA, w/NS.

LS: drker bm, fn to vry fn xln, dns, hrd, scat sli dolo pcs, few pcs cht, pr to no vis por, NS.

LS: AA w/ mstly pr vis por, NS.

LS: bm, fn xln, dns, sil LS, trc interbdd wthrd, cht, pr vis por, few pcs brght flor on cht, no SFO, no odor.

LS: drk bm, fn to vry fn xln, dns, hrd, sli sndy txt, dolo, arg, micro emb pyr, pr vis por, NS.

Wt 9.1
Vis 47
LCM 3

Midnight Depth on 11/23/22: 3385'

Wt 9.3

Cowley Facies

Wt 9.3
Vis 41
LCM 3

LS: AAw/NS.

LS: lr gry, fn xln, dns, hrd, pyr incl, mstly pr vis por, dull mnrl flr, NS.

LS: gry to lt gry, fn xln, shly, carb incl, pr vis por, NS.

LS: lt gry, fn to vry fn xln, dns, sli sndy txt, pr vis por, dull mnrl flr, NS.

Shale Odor

Kinderhook
3486' (-2248)

Kinderhook
3486' (-2248)

SH: blk, vry carb, micro emb pyr, frm to sft, blk wsh, rch sh odor.

Shale Odor

SH: blk, vry carb, micro emb pyr, frm to sft, blk wsh, rch sh odor.

Shale Odor

SH: blk, vry carb, micro emb pyr, frm to sft, blk wsh, rch sh odor.

Arbuckle
3542' (-2304)

Arbuckle
3542' (-2304)

DOLO: mstly crm, med xln, sli dns, wthrd, suc, sli sndy txt, scat rhomb, sil incl, grt interxn por, no stn, no SFO, scat brght ylw flr, vry ft odor.

Vry Ft Odor

DOLO: lt brn to crm, med xln, dns, scar frsh cht, sil incl, hrd, scat fr interxn por to mstly pr, few pcs brght flr, no SFO, no odor, no stn.

Wt 9.3
Vis 42
LCM 3

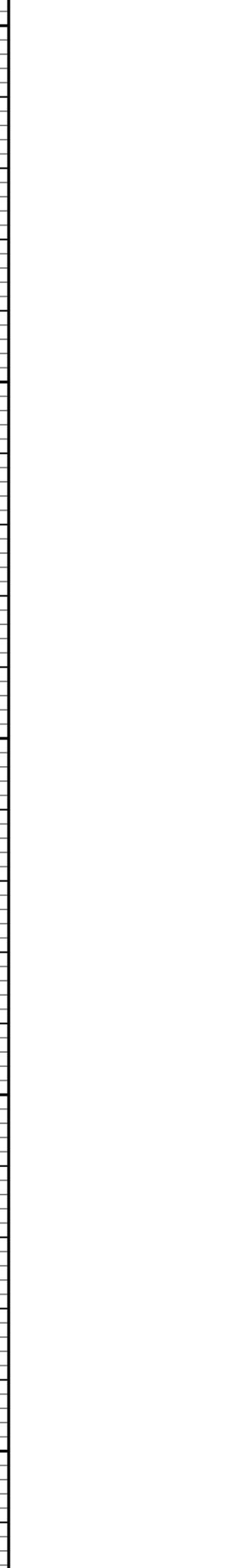
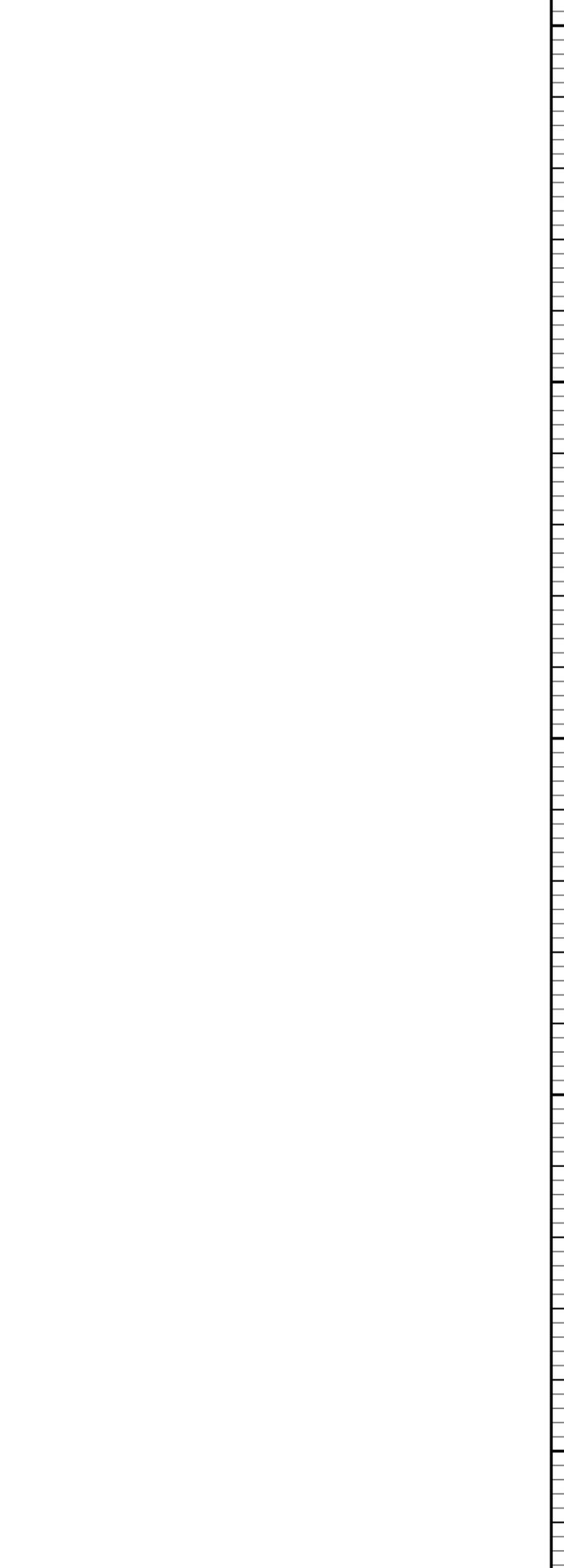
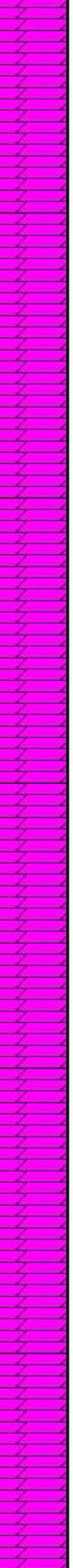
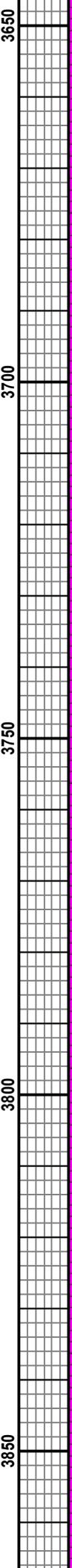
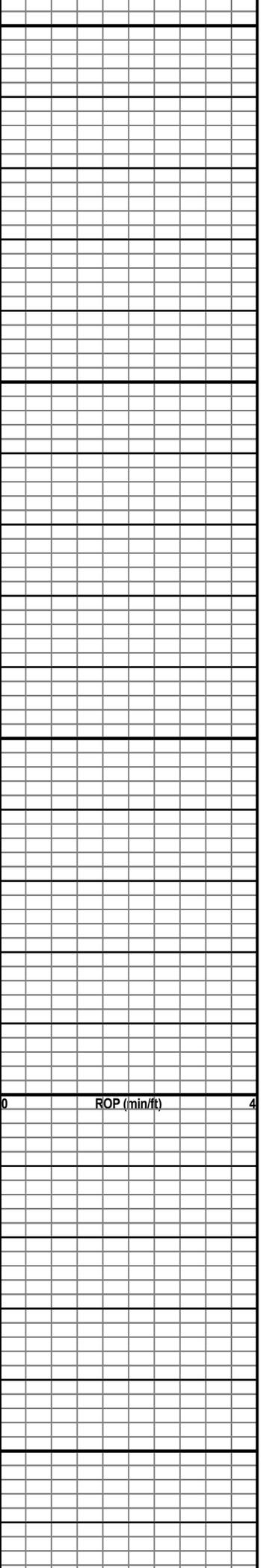
LS: AAw/occ fr interxn por, NS.

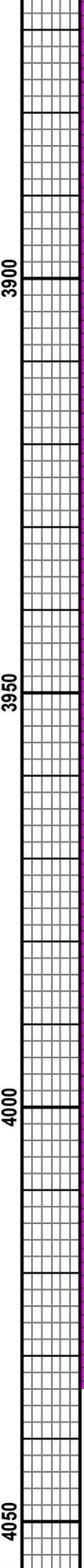
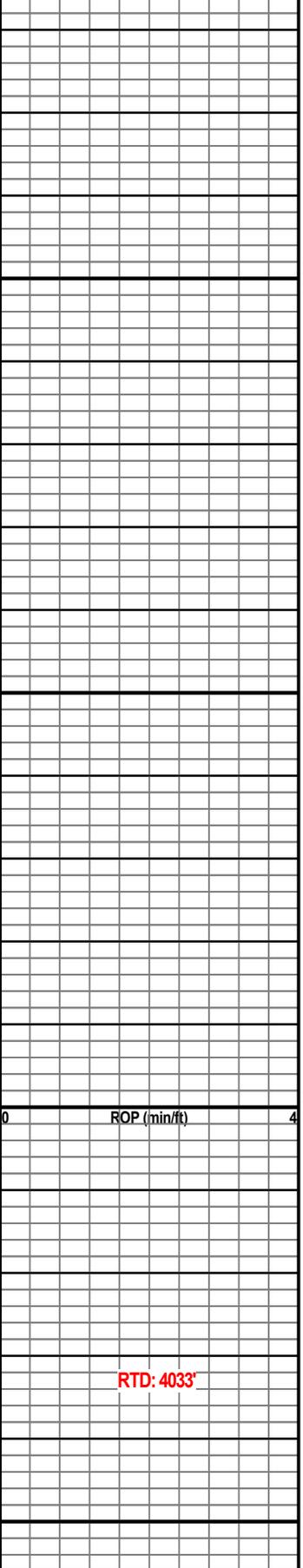
Stop Drilling @ 3592' @ 8:30AM on 11/23/22. Circ 1 hr. Short trip to 1800'. Circ 1.5hr. TOOH for logs.

Rig shut down for Thanksgiving. Fired back up on 11/28/22. Samples not observed, well was deepened for SWD. Ran 40vis and 4-5#LCM till RTD.

ROP (min/ft)

3450
3500
3550
3600





RTD: 4033'

RTD: 4033' @ 9:30AM on 11/30/22
Circulated for 1 hr coming out laying down drill pipe.

RTD
4033' (-2795)