

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. 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) (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	Merit Energy Company, LLC
Well Name	WILLIAMS 2-23
Doc ID	1720557

All Electric Logs Run

GAMMA LOG
ANNULAR HOLE VOLUME
ARRAY COMPENSATED TRUE RESISTIVITY LOG
BOREHOLE SONIC ARRAY LOG
DUAL SPACED NEUTRON SPECTRAL DENSITY LOG
MICROLOG
QUAD COMBO LOG

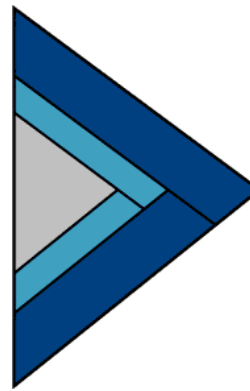
Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WILLIAMS 2-23
Doc ID	1720557

Tops

Name	Top	Datum
HEEBNER	4097	.
TORONTO	4120	.
LANSING	4186	.
SWOPE	4624	.
HERTHA	4671	.
MARMATON	4761	.
ALTAMONT	4789	.
PAWNEE	4853	.
FORT SCOTT	4889	.
CHEROKEE	4902	.
ATOKA	5140	.
MORROW	5193	.
CHESTER	5330	.
ST GENEVIEVE	5449	.



# Décollement Consulting Inc.



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

Well Name: Williams 2-23  
 API: 15-081-2225-20000  
 Location: 1564' FEL 1886' FNL, Sec 23, T28S, R33W, Haskell County, KS  
 License Number: \_\_\_\_\_ Region: Wildcat  
 Spud Date: 3/6/2023 Drilling Completed: 3/9/2023  
 Surface Coordinates: Lat: 37.600765°  
 Long: -100.894098°  
 Bottom Hole Coordinates:  
 Ground Elevation (ft): 2955 K.B. Elevation (ft): 2967  
 Logged Interval (ft): 4000 To: 5550 Total Depth (ft): 5550  
 Formation: Marrow Lime  
 Type of Drilling Fluid: Water Based Mud

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


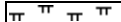

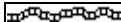



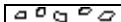

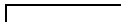




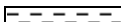




## OPERATOR

Company: Merit Energy Company  
 Address: 13727 Noel Rd., Suite 1200  
 Dallas ,TX 75240

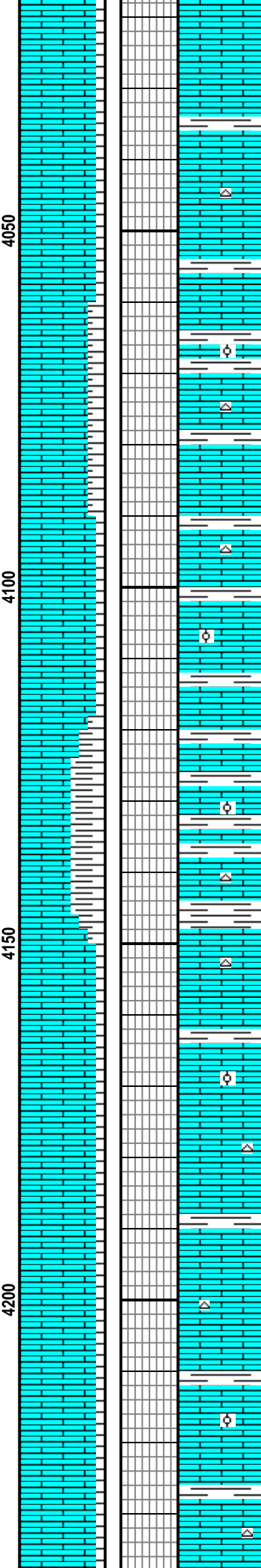
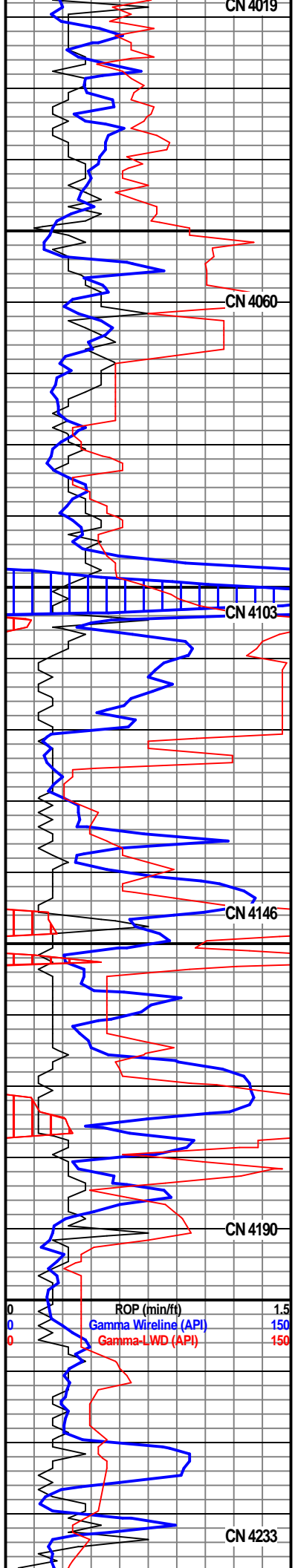
## GEOLOGIST

Name: Todd Nakata  
 Company: Decollement Consulting, Inc.  
 Address: 13300 Braun Rd.  
 Golden, CO 80401

## ROCK TYPES

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





4030-4060 Ls off wh-cm-tan-lt gy, sb blkly-blky, mod sft-hd, micxn-amor, arg ip, tr Sh med-dk gy, sb blkly-sb plty, frm, md calc, r Chrt wht, hd, non calc, abnt min flr, nsoc

4060-4090 Ls crm-tan-lt gy, sb blkly-blky, mod sft-hd, micxn-amor, arg ip, r ool, tr Sh med-dk gy, sb blkly-sb plty, sft-frm, mod-v calc, suc, r Chrt wht, hd, non calc, abnt min flr, nsoc

4090-4120 Ls crm-tan-lt gy, sb blkly-blky-sb plty, mod sft-frm, micxn-amor, mott, arg ip, r ool, r Sh med-dk gy, sb blkly-sb plty, sft-frm, mod calc, suc, r Chrt wht, hd, non calc, abnt min flr, nsoc

**Heebner shale 4097'**

4120-4150 Ls crm-tan-lt gy, sb blkly-blky-sb plty, mod sft-frm, micxn-amor, mott, r ool, occ Sh med-dk gy, sb blkly-sb plty, sft-frm, sl-mod calc, suc, r Chrt wht, hd, non calc, abnt min flr, v fnt ring

4150-4180 Ls crm-tan-off wht, sb blkly-blky, mod sft-frm, micxn, mott, r ool, r Sh med-dk gy, sb blkly-sb plty, sft-frm, mod calc, suc, r Chrt wht, hd, non calc, abnt min flr, v fnt mlky cut

**Lansing 4186' MD**

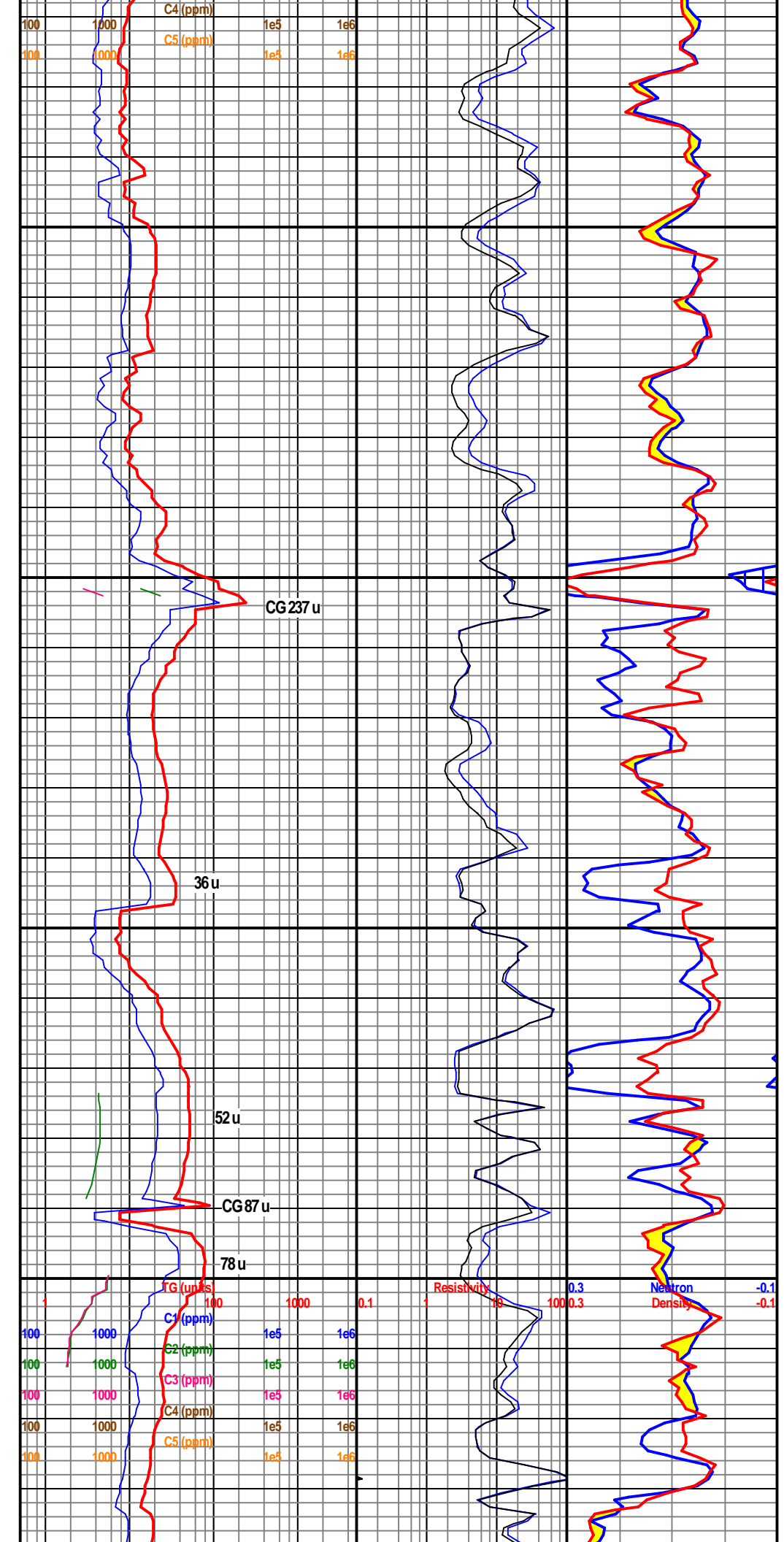
4180-4210 Ls crm-tan-off wht, gy ip, sb blkly-blky, mod sft-frm, micxn, mott, r vis foss, r Sh med-dk gy, sb blkly-sb plty, sft-frm, mod calc, suc, r Chrt wht, hd, non calc, abnt min flr, nsoc

4210-4240 Ls crm-tan-off wht, gy ip, sb blkly-blky, mod sft-frm, micxn, mott, r ool, r Sh med-dk gy, org ip, sb blkly-sb plty, sft-frm, mod calc, suc, r Chrt wht, hd, non calc, abnt min flr, nsoc

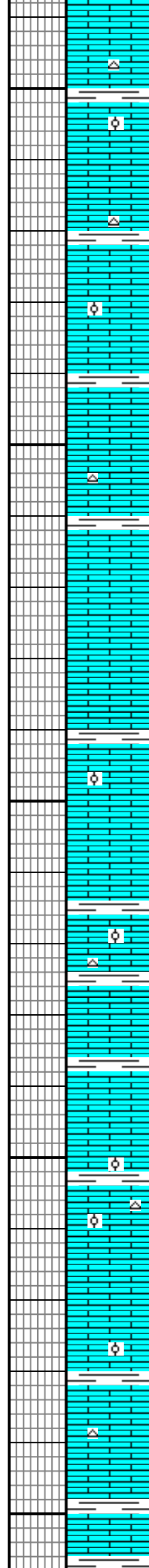
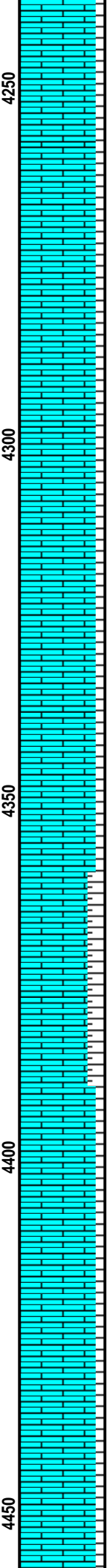
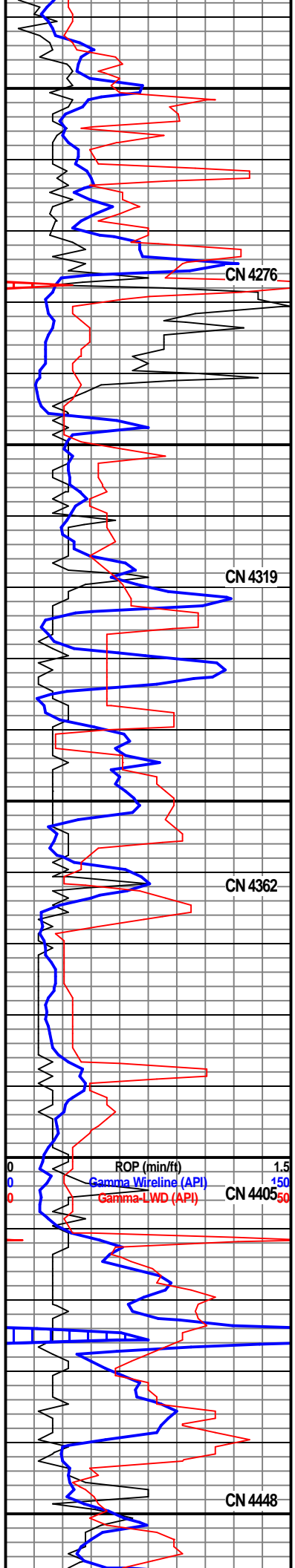
MD 4016 TVD 4001.36  
AZ 57.67 SS -1034.56

MD 4102 TVD 4087.39  
AZ 58.55 SS -1120.39

MD 4188 TVD 4173.24  
AZ 63.91 SS -1206.24







4240-4270 Ls crm-tan, gy ip, sb blkly-blky, mod sft-frm, micln, mott, r ool, r Sh med-dk gy, sb blkly-sb plty, sft-frm, mod calc, suc, r Chrt tan-wht, blkly, hd, non calc, abnt min flor, nsoc

4270-4300 Ls crm-tan-lt gy, sb blkly-blky-sb plty, mod sft-frm, micln, amor ip, mott, r ool, r Sh med-dk gy, sb blkly-sb plty, sft-frm, mod calc, suc, dk lam ip, r Chrt wht-trnsl, blkly, hd, non calc, abnt min flor, nsoc

4300-4330 Ls crm-tan-lt gy, sb blkly-blky, mod sft-frm, micln-amor, mott, r Sh med-dk gy-gm, sb blkly-sb plty, sft-frm, mod-v calc, suc, grdg to vf sltst ip, r Chrt wht-trnsl, blkly, hd, non calc, abnt min flor, nsoc

4330-4360 Ls crm-tan-lt gy, sb blkly-blky, v sft-frm, micln-amor, mott, chk-arg ip, r ool, r Sh med-dk gy-gm, sb blkly-sb plty, sft-frm, mod-v calc, suc, grdg to vf sltst ip, abnt min flor, nsoc

**Iola 4363' MD**  
4360-4390 Ls tan-lt gy, sb blkly-blky, v sft-frm, micln, mott, chk, slty, tr ool, r Sh med-dk gy-gm, sb blkly-sb plty, sft-frm, mod-v calc, suc, grdg to vf calc sltst ip, abnt min flor, nsoc

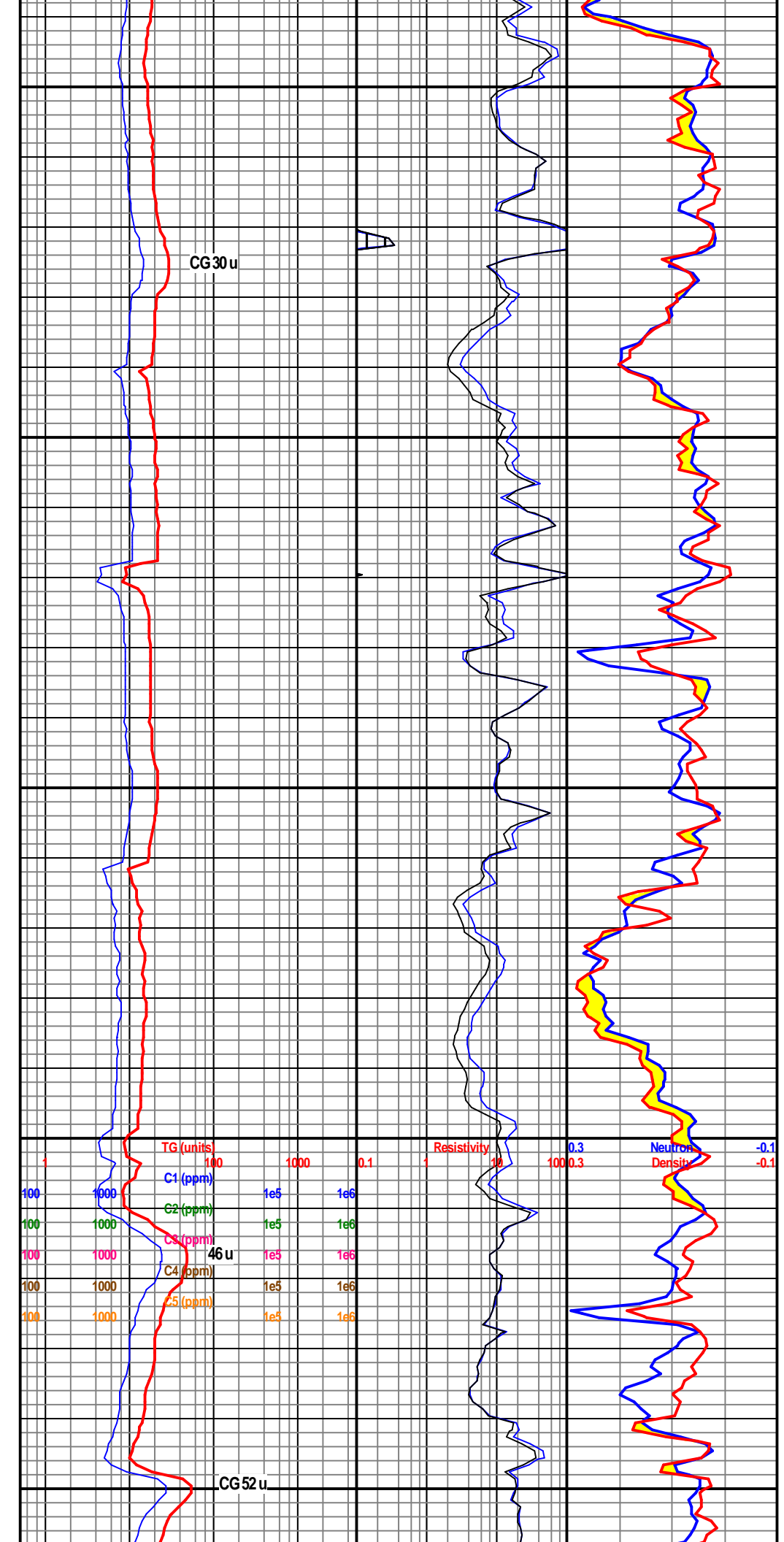
4390-4420 Ls crm-tan-lt gy, sb blkly-blky, v sft-hd, micln-amor, mott, chk, tr ool, r Sh med-dk gy-gm, sb blkly-sb plty, sft-frm, mod-v calc, suc, grdg to vf calc sltst ip, r Chrt wht, blkly, hd, abnt min flor, fst mlky cut

4420-4450 Ls crm-tan-lt gy, sb blkly-blky-sb plty, v sft-hd, micln-amor, chky ip, r ool, r Sh med-dk gy-gm, sb blkly-sb plty, blkly ip, sft-frm, mod-v calc, suc, grdg to vf calc sltst ip, r Chrt wht, blkly, hd, abnt min flor, fst mlky cut

**Drum 4439' MD**

**Drum Base 4459' MD**

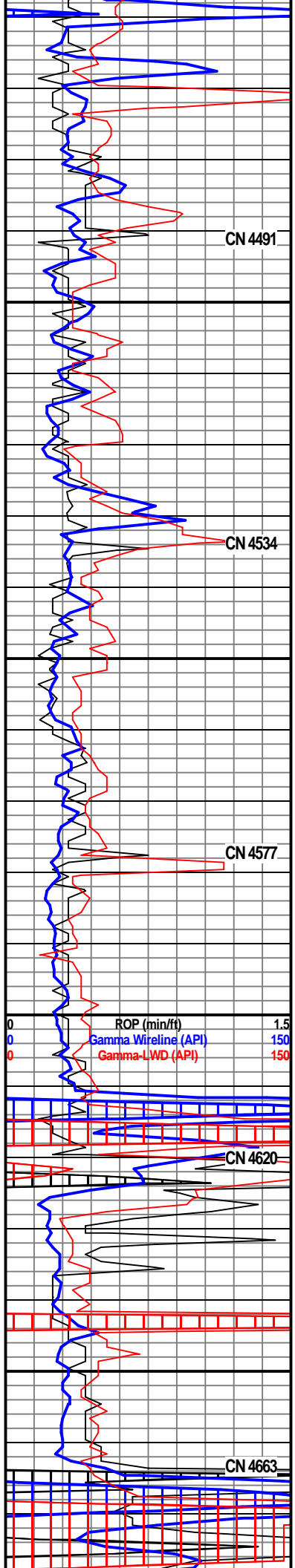
MD 4360 TVD 4344.92  
AZ 53.8 SS -1377.92



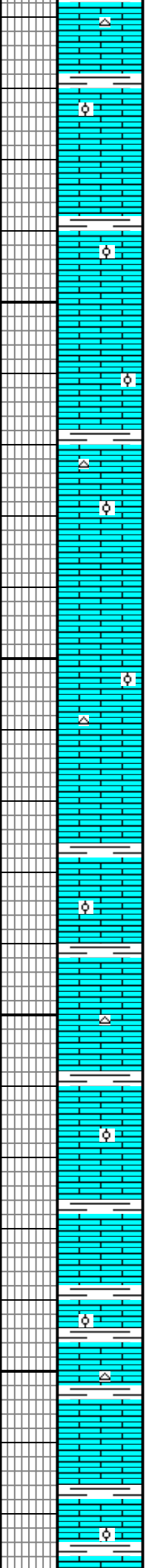
CG 30 u

46 u

CG 52 u



4500  
4550  
4600  
4650



**Drum Base 4485' MD**  
4450-4480 Ls crm-tan-lt gy, trmsl ip, sb blkly-bkly-sb plty, v sft-hd, micxn-amor, r r ool, tr Sh med-dk gy-gm, sb blkly-sb plty, sft-fm, mod calc, suc, r r Chrt wht, blkly, hd, abnt min flor, nsoc

4480-4510 Ls crm-tan, sb plty-sb blkly, sft-mod frm, micxn, r r ool, r Sh med-dk gy, sb blkly-sb plty, sft-fm, mod calc, suc, r r Chrt wht, blkly, hd, abnt min flor, nsoc

4510-4540 Ls crm-tan, r lt gy, sb blkly-bkly-sb plty, v sft-hd, micxn, r r ool, r Sh med-dk gy-gm, sb blkly-sb plty, sft-fm, mod calc, suc, grdg to vf calc sltst ip, r r Chrt wht, blkly, hd, abnt min flor, nsoc

4540-4570 Ls crm-tan, r lt gy, sb blkly-bkly-sb plty, v sft-hd, micxn, amor ip, r r ool, r r Chrt wht, blkly, hd, abnt min flor, nsoc

4570-4600 Ls crm-tan, sb blkly-bkly-sb plty, sft-hd, micxn, r r ool, r Sh med-dk gy-gm, sb blkly-sb plty, sft-fm, mod calc, suc, r r Chrt wht, blkly, hd, abnt min flor, nsoc

4600-4630 Ls crm-tan-lt bm, sb blkly-bkly-sb plty, v sft-hd, micxn-amor, r r ool, r Sh med-dk gy, sb plty, sft-fm, mod calc, suc, r r Chrt wht, blkly, hd, abnt min flor, nsoc

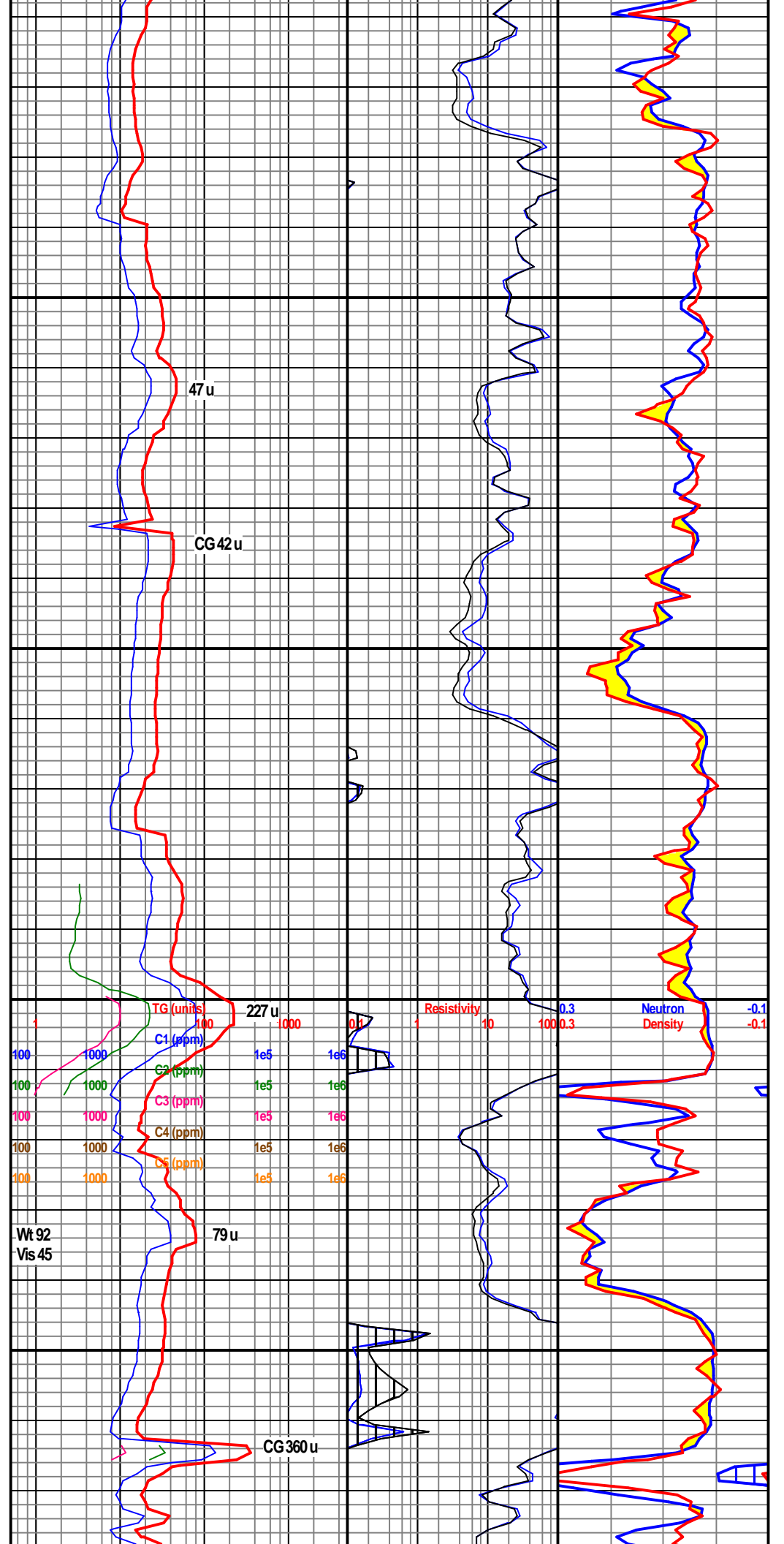
**Swope 4624' MD**

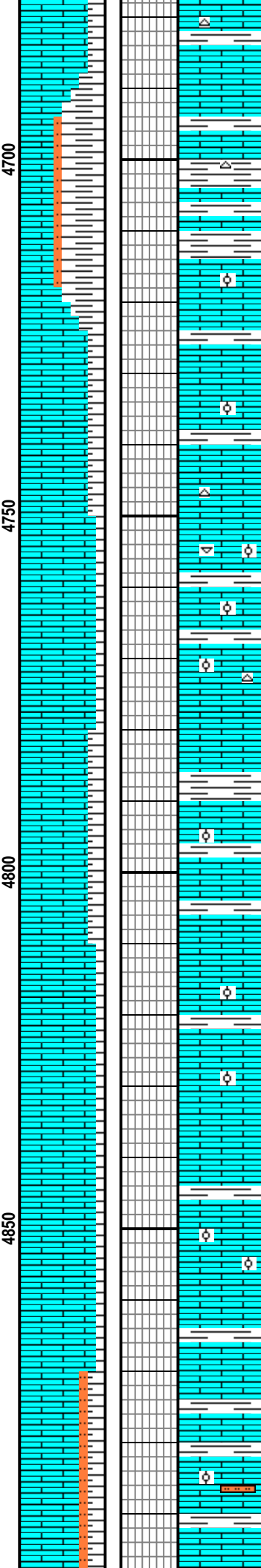
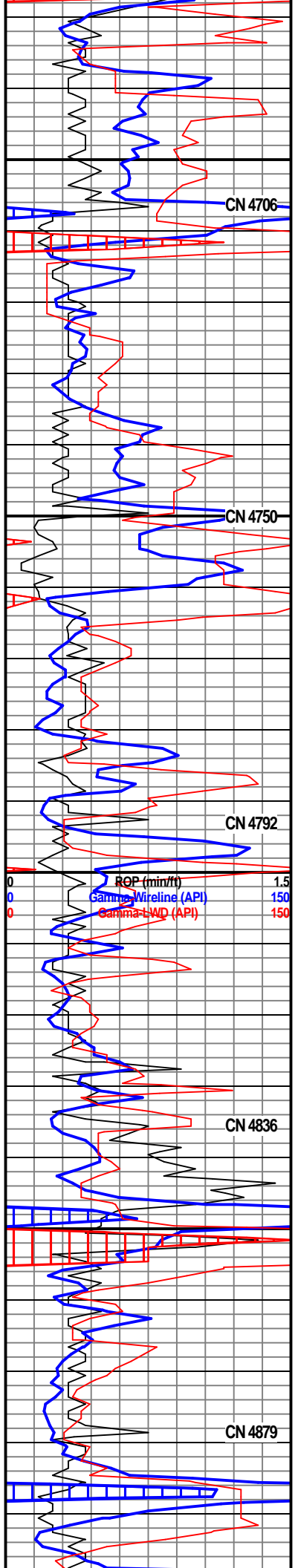
4630-4660 Ls crm-tan-lt bm, sb blkly-bkly-sb plty, v sft-hd, micxn-amor, r r ool, tr Sh dk gy, sb plty-sb blkly sft-fm, sl calc, suc, r r Chrt wht, blkly, hd, abnt min flor, nsoc

**Hush Shale 4665' MD**

4660-4690 Ls crm-tan-lt bm, sb blkly-bkly-sb plty, v sft-hd, micxn-amor, r r ool, tr Sh dk gy-gy, sb plty-sb blkly sft-fm, sl calc, suc, grdg to sltst ip, r r Chrt wht, blkly, hd, abnt min flor, nsoc

MD 4533 TVD 4517.58  
AZ 50.37 SS -1550.58





4690-4720 Sh dk gy-gy, pty-blky-sb blky, hd-fm, mod-v calc, suc ip, mott, dk lam, grd to calc sltst ip, abnt Ls crm-tan-lt bm, sb blky-blky-sb pty, v sft-hd, micxn-amor, r ool, r Sltst dk gy, sb pty hd, non calc, r Chrt wht, blky, hd, abnt min flor, nsoc

4720-4750 Ls crm-tan-lt bm, sb blky-sb pty, v sft-hd, micxn, r ool, tr Sh dk gy-gy, sb pty-sb blky sft-fm, sl calc, suc, grd to sltst ip, r Chrt wht, blky, hd, abnt min flor, sl ring cut

4750-4780 Ls crm-tan-lt bm, sb blky-sb pty, blky ip, fm-hd, micxn-amor, tr ool, r foss frag, r Sh dk gy-gy, sb pty-sb blky, sft-fm, sl calc, suc, grd to sltst ip, r Chrt wht, blky, hd, abnt min flor, nsoc

**Mrmnt Group 4761' MD**

4780-4810 Ls tan-lt bm-gy, blky-sb blky-sb pty, fm-hd, micxn-amor, r ool, tr Sh dk gy-gy, sb pty-sb blky sft-fm, sl calc, suc, grd to calc sltst, abnt min flor, sl mlky cut

4810-4840 Ls crm-tan-lt bm, sb blky-sb pty-pty, mod fm-hd, micxn-amor, r ool, r Sh dk gy-gy, sb pty-sb blky, sft-fm, sl calc, suc, grd to sltst ip, abnt min flor, nsoc

**Pawnee 4853' MD**

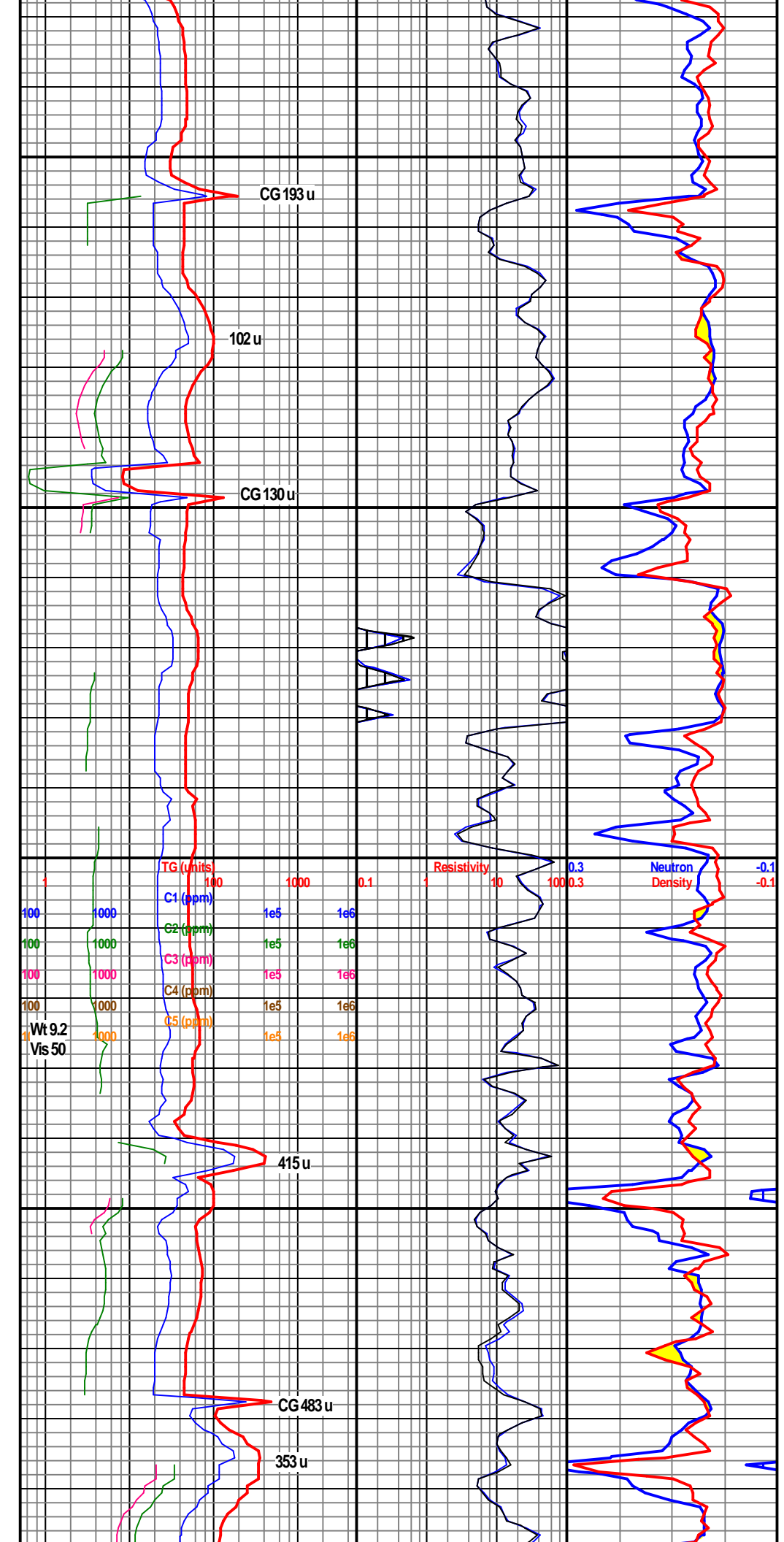
4840-4870 Ls crm-tan-lt bm, sb blky-sb pty, mod fm-hd, micxn-amor, r ool, arg ip, r Sh dk gy-gy, sb pty-sb blky, sft-fm, sl calc, suc, grd to sltst ip, abnt min flor, bri mlky cut

4870-4900 Ls crm-tan-lt bm, sb blky-sb pty, mod fm-hd, micxn-amor, r ool, tr Sh dk gy-gy, sb pty-sb blky, sft-fm, sl calc, suc, grd to sltst ip, r Sltst med gy, sb blky, mod sft, v calc, abnt min flor, nsoc

**Ft Scott 4889' MD**

MD 4705 TVD 4689.24  
AZ 49.41 SS -1722.24

MD 4877 TVD 4860.95  
AZ 42.46 SS -1893.95



# Cherokee Grp 4902' MD

4900-4930 Ls crm-tan-lt bm, sb blkly-sb pty-pty, mod frm-hd, micxn-amor, r r ool, r Sh dk gy-gy, sb pty-sb blkly, sft-frm, sl calc, suc, grdg to sltst ip, r Slstst gy, blkly, abnt min flor, nsoc

4930-4960 Ls crm-tan-lt bm, sb blkly-sb pty, mod frm-hd, micxn-amor, r r ool, occ Sh dk gy, sb pty-sb blkly, sft-frm, sl calc, suc, grdg to sltst, r Slstst med gy, sb blkly-sb pty, mod sft, v calc, abnt min flor, nsoc

4960-4990 Ls crm-tan-lt bm, sb blkly-sb pty, mod frm-hd, micxn-amor, tr ool, tr Sh dk gy, sb pty-sb blkly, sft-frm, sl-mod calc, suc, grdg to sltst ip, r Slstst med gy, sb blkly-sb pty, mod sft, v calc, r Chrt wht, blkly, hd, abnt min flor, bri mlky cut

4990-5020 Ls crm-tan-lt bm, tmsl ip, sb blkly-sb pty, mod frm-hd, micxn-amor, r r ool, occ Sh dk gy-med gy, sb pty-sb blkly, sft-frm, sl-mod calc, suc, grdg to sltst, r Slstst med gy-gy, sb blkly-sb pty, mod sft, v calc, r Chrt wht, blkly, hd, abnt min flor, nsoc

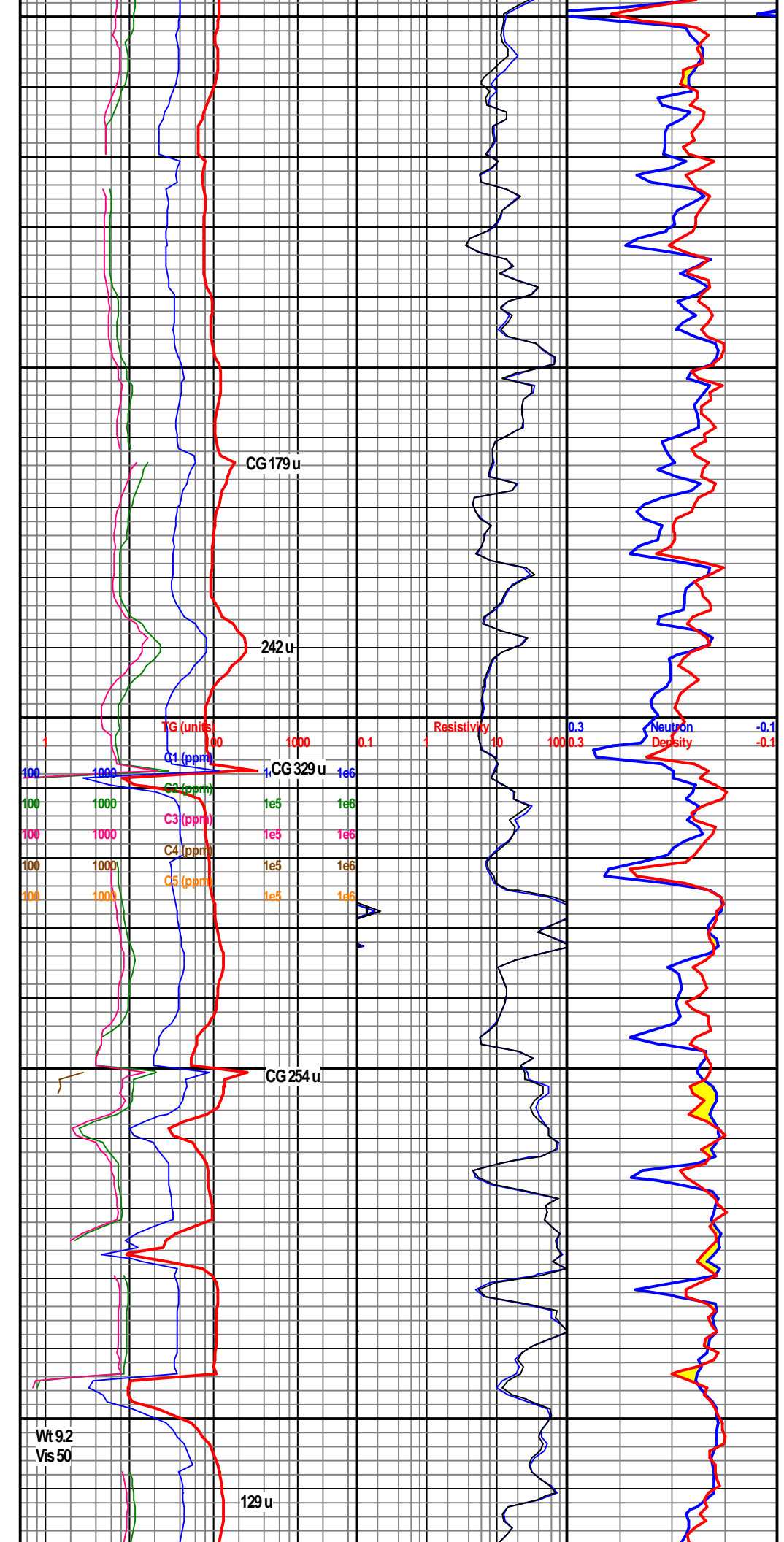
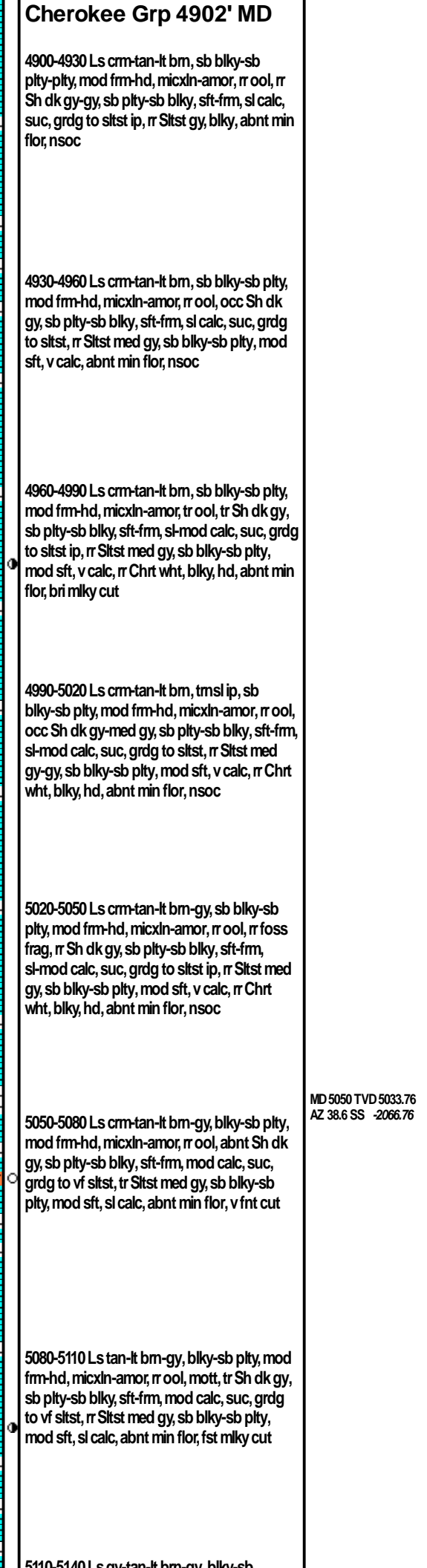
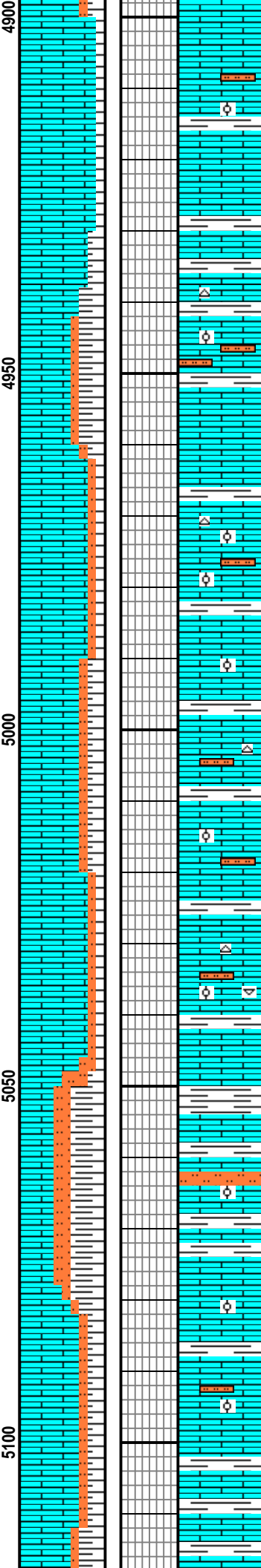
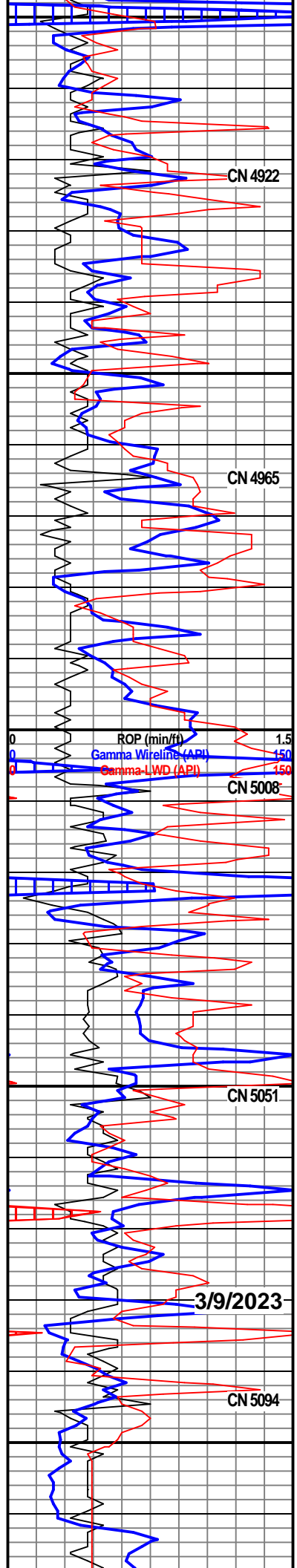
5020-5050 Ls crm-tan-lt bm-gy, sb blkly-sb pty, mod frm-hd, micxn-amor, r r ool, r foss frag, r Sh dk gy, sb pty-sb blkly, sft-frm, sl-mod calc, suc, grdg to sltst ip, r Slstst med gy, sb blkly-sb pty, mod sft, v calc, r Chrt wht, blkly, hd, abnt min flor, nsoc

5050-5080 Ls crm-tan-lt bm-gy, blkly-sb pty, mod frm-hd, micxn-amor, r r ool, abnt Sh dk gy, sb pty-sb blkly, sft-frm, mod calc, suc, grdg to vf sltst, tr Slstst med gy, sb blkly-sb pty, mod sft, sl calc, abnt min flor, v fnt cut

5080-5110 Ls tan-lt bm-gy, blkly-sb pty, mod frm-hd, micxn-amor, r r ool, mott, tr Sh dk gy, sb pty-sb blkly, sft-frm, mod calc, suc, grdg to vf sltst, r Slstst med gy, sb blkly-sb pty, mod sft, sl calc, abnt min flor, fst mlky cut

5110-5140 Ls crm-tan-lt bm-gy, blkly-sb

MD 5050 TVD 5033.76  
AZ 38.6 SS -2066.76



Wt 9.2  
Vis 50

129 u

CG 179 u

242 u

CG 329 u

CG 254 u

CN 4922

CN 4965

CN 5008

CN 5051

3/9/2023

CN 5094

4900

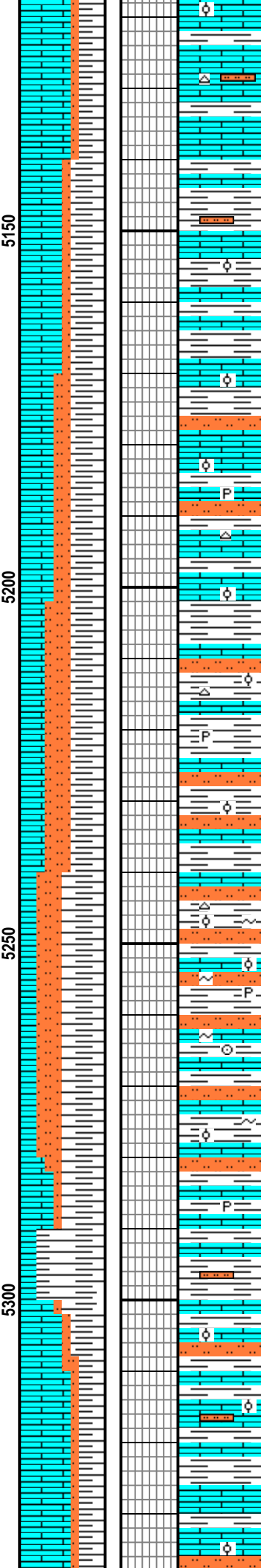
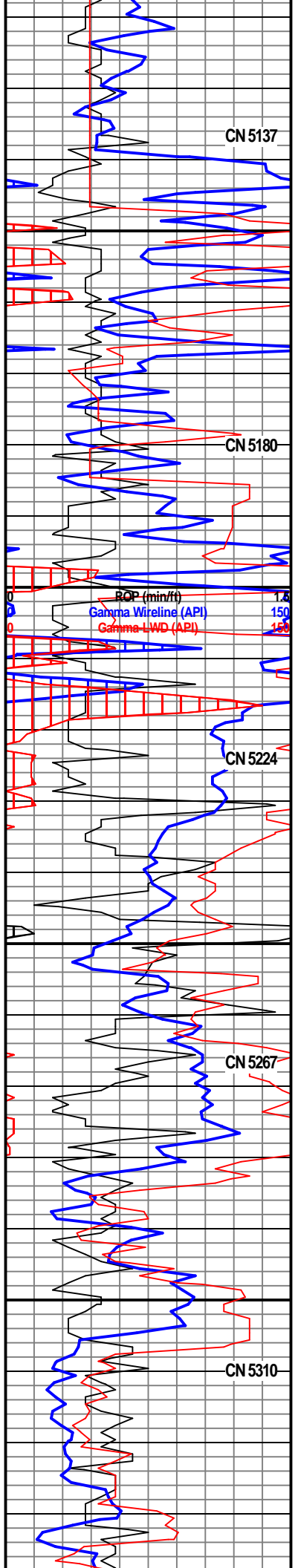
4950

5000

5050

5100





5110-5140 Ls gy-tan-lt brn-gy, blkly-sb pty, mod frm-hd, micxn-amor, mott, r r ool, sb pty-sb blkly, sft-frm, mod calc, suc, grdg to vf slst, r Slst med gy, sb blkly-sb pty, mod sft, sl calc, r Chrt wht, abnt min flr, nsoc

5140-5170 Ls crm-tan-lt brn-gy, blkly-sb pty, mod frm-hd, micxn-amor, mott, r r ool, abnt Sh dk gy-gy, pty-spty-blky, sft-frm, mod-sl calc, suc, grdg to vf slst, r Slst med gy, sb blkly-sb pty, mod sft, sl calc, abnt min flr, nsoc

5170-5200 Ls gy-crm-brn, blkly-sb pty, mod frm-hd, micxn-amor, mott, r r ool, slty ip, occ Sh dk gy-lt gy, pty-spty-blky, sft-frm, mod-sl calc, suc, grdg to vf slst, tr Slst med gy-lt gy, sb blkly-pty, mod sft, sl calc, r Chrt wht, hd, non calc, r pyr, abnt min flr, nsoc

**Morrow Group 5193' MD**

5200-5230 Sh dk gy-lt gy, pty-blky-sb blkly, hd-frm, mod-v calc ip, suc, mott, dk lam, grdg to calc slst ip, occ Ls crm-tan-lt brn, sb blkly-blky-pty, v sft-hd, micxn-amor, r r ool, occ Slst dk gy-gy, sb pty, mod frm-hd, sl-non calc, dk lam ip, r Chrt wht, blkly, hd, r pyr, abnt min flr, nsoc

5230-5240 Sh a/a, occ Ls a/a, occ Slst gy-dk gy, pty-sb blkly, sft-hd, sl-non calc, r Chrt a/a, abnt min flr, nsoc

5240-5250 Sh lt gy, spinty, a/a, occ Ls a/a, occ Slst a/a, r glau, r Chrt a/a, abnt min flr, nsoc

5250-5260 Sh a/a, occ Ls a/a, occ Slst a/a, r glau, r Chrt a/a, r pyr, abnt min flr, nsoc

5260-5270 Sh a/a, abnt Ls a/a, occ Slst a/a, r glau, r foss, r Chrt a/a, abnt min flr, nsoc

5270-5280 Sh a/a, abnt Ls a/a, occ Slst a/a, dk lam, r Chrt a/a, abnt min flr, mlky cut

5280-5290 Sh a/a, abnt Ls a/a, tr Slst a/a, dk lam, r pyr, abnt min flr, mlky cut

**Morrow Sands 5281' MD**

5290-5300 Sh a/a, tr Ls a/a, r Slst a/a, dk lam, r pyr, abnt min flr, fst mlky cut

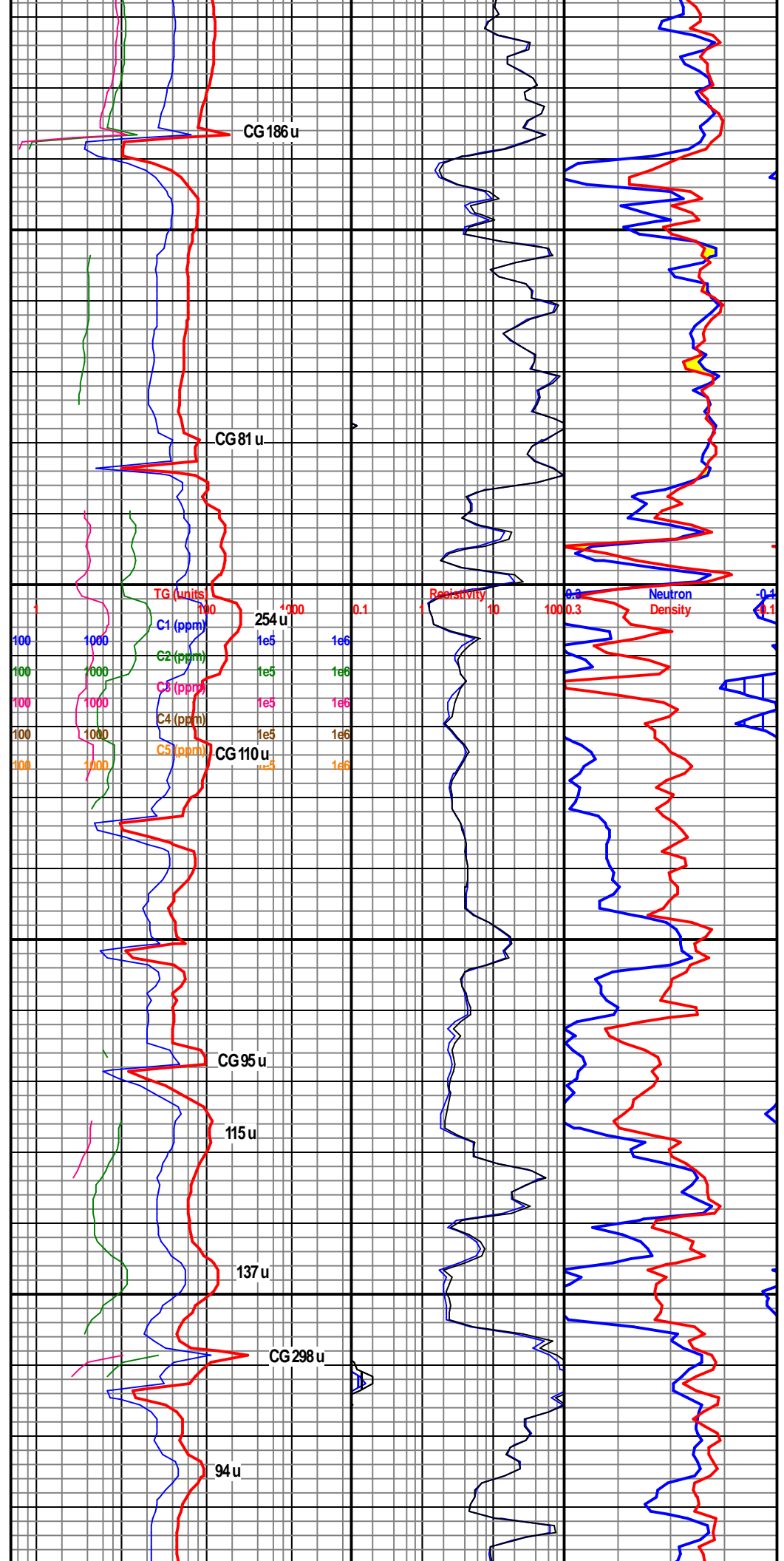
5300-5310 Ls blkly-pty, occ ool, a/a, abnt Sh a/a, occ Slst a/a, abnt min flr, v fst mlky cut

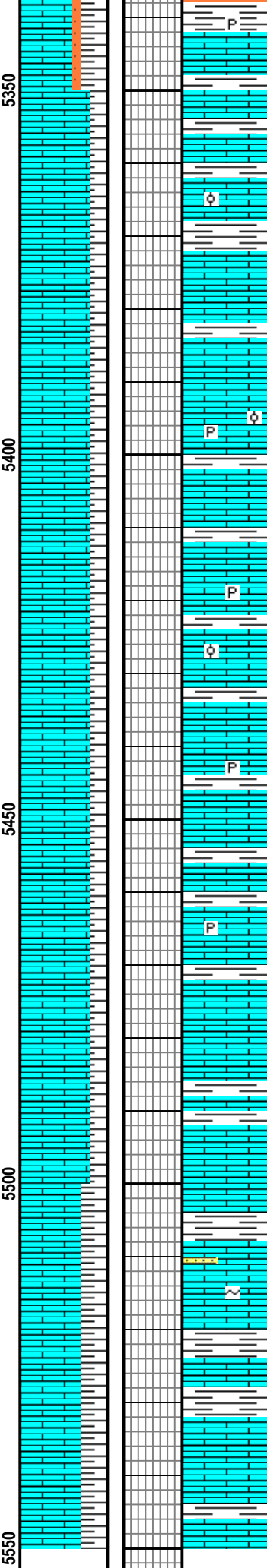
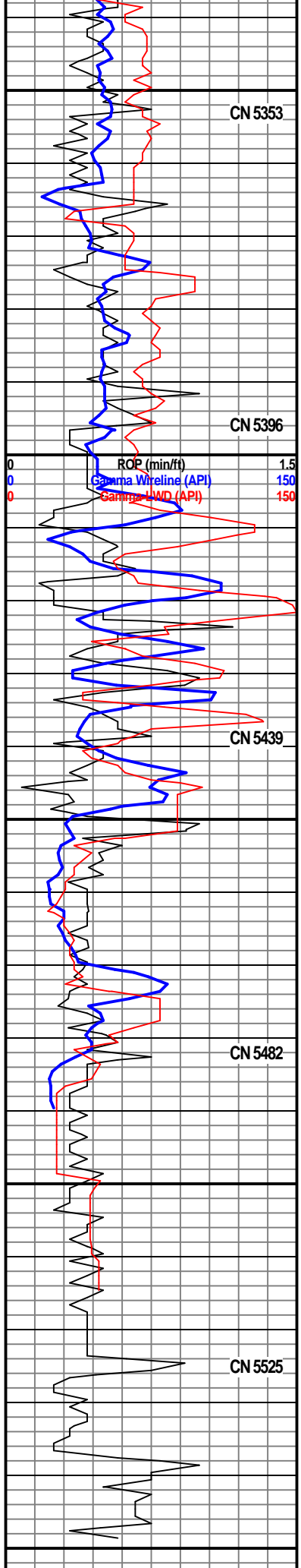
5310-5320 Ls a/a, occ Sh a/a, tr Slst a/a, r pyr, abnt min flr, fst mlky cut

**Chester 5330' MD**

5320-5350 Ls crm-tan-lt brn-gy, sb blkly-sb pty, mod frm-hd, micxn-amor, mott, r r ool, dk lam ip, abnt Sh dk gy-lt gy, pty-spty-blky,

MD 5222 TVD 5205.65  
AZ 35.52 SS -2238.65





sft-frm, mod-sl calc, suc-sb wxy, r Sltst med gy-lt gy, sb blkly-pty, mod sft, sl calc, r pyr, abnt min flor, sl cut

5350-5380 Ls lt gy-gy-tan-lt bm, sb blkly-bkly-sb pty, mod frm-hd, micxn-amor, mott, r ool, dk lam ip, tr Sh dk gy-lt gy, pty-spty-bkly, sft-frm, mod-sl calc, suc-sb wxy, r Sltst med gy-lt gy, abnt min flor, v sl cut

5380-5410 Ls lt gy-gy-tan-lt bm, sb blkly-bkly-sb pty, mod frm-hd, micxn-amor, mott, r ool, dk lam ip, tr Sh dk gy-lt gy, pty-spty-bkly, sft-frm, mod-sl calc, suc-sb wxy, r Sltst med gy-lt gy, abnt min flor, v fnt cut

5410-5440 Ls crm-tan-lt bm-lt gy, sb blkly-bkly-sb pty, mod frm-hd, micxn-amor, mott, r ool, dk lam ip, tr Sh lt gy-gy, pty-spty-bkly, sft-frm, mod-sl calc, suc-sb wxy, grdg to sltst ip, r pyr, abnt min flor, v fnt cut

**St Gen 5449' MD**  
5440-5470 Ls crm-tan-lt bm-lt gy, sb blkly-bkly-sb pty, mod frm-hd, micxn-amor, mott, r ool, tr Sh lt gy-med gy, pty-spty-bkly, sft-frm, mod-sl calc, suc-sb wxy, grdg to sltst ip, r pyr, abnt min flor,

5470-5500 Ls crm-tan-lt bm-lt gy, trmsl ip, sb blkly-sb pty, mod frm-hd, micxn, mott, tr Sh lt gy-med gy, pty-bkly, sft-frm, mod-sl calc, suc, grdg to sltst ip, r pyr, abnt min flor,

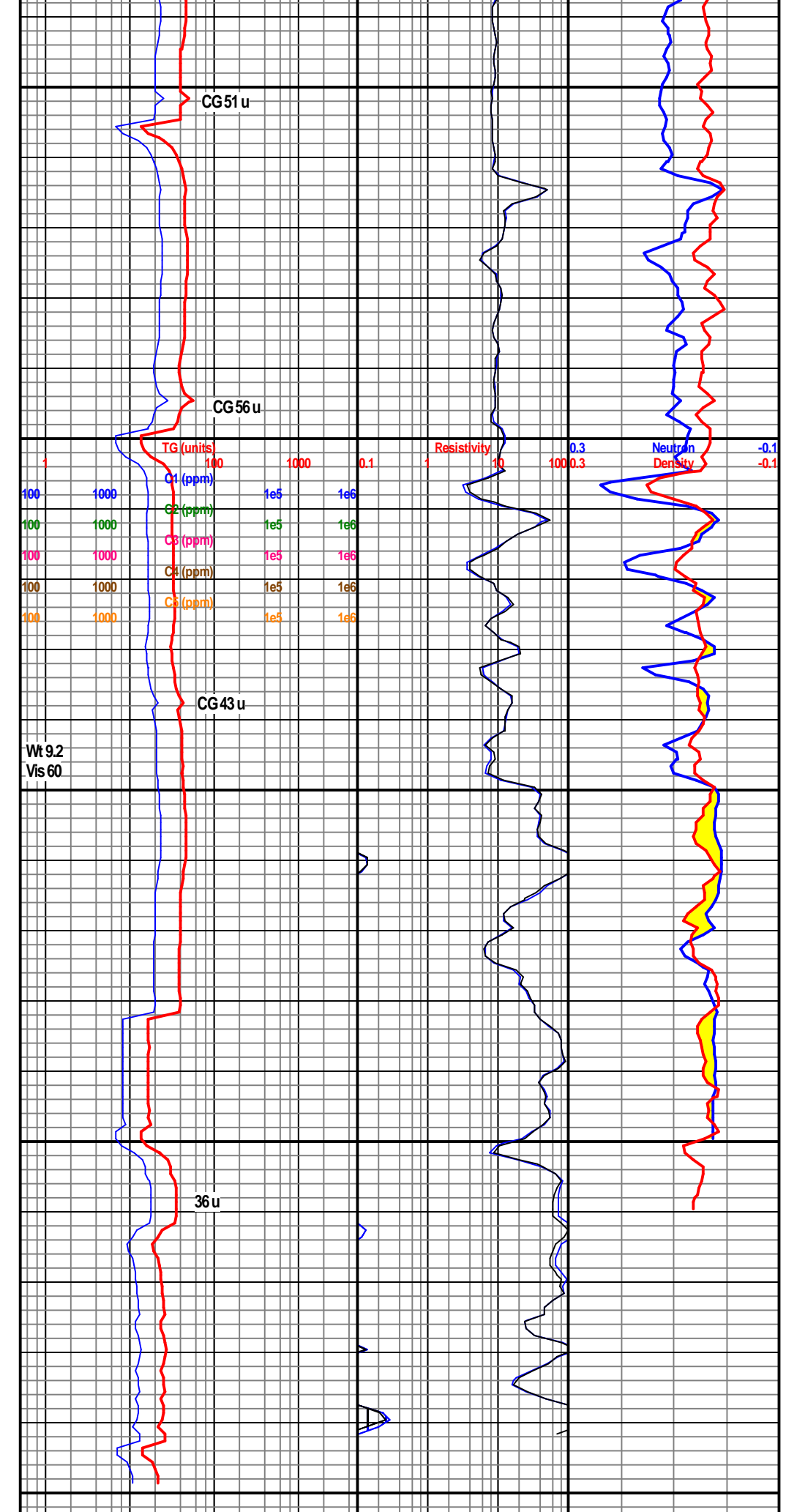
**St Louis 5494' MD**

5500-5530 Ls crm-tan-lt bm-lt gy, sb blkly-bkly-sb pty, mod frm-hd, micxn-amor, mott, occ Sh lt gy-med gy, pty-spty-bkly, sft-frm, mod-sl calc, suc-sb wxy, r Ss wht sb rd, hd, mod calc, r glau, bnt min flor,

5530-5550 Ls crm-tan-lt bm-lt gy, sb blkly-bkly-sb pty, mod frm-hd, micxn-amor, mott, occ Sh lt gy-med gy, pty-spty-bkly, sft-frm, mod-sl calc, suc-sb wxy, abnt min flor,

MD 5439 TVD 5422.58  
AZ 38.07 SS -2455.58

MD 5506 TVD 5489.57  
AZ 20.23 SS -2522.57









**QUASAR ENERGY SERVICES, INC.**

3288 FM 51  
 Gainesville, Texas 76240  
 Office: 940-612-3336  
 Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2N.2

3/6/23

CEMENTING JOB LOG

**CEMENTING JOB LOG**

<b>Company:</b> MERIT ENERGY CO.	<b>Well Name:</b> WILLIAMS 2-23
<b>Type Job:</b> SURFACE	<b>AFE #:</b> 0

CASING DATA					
Size:	8 5/8	Grade:	J55	Weight:	24
<b>Casing Depths</b>	Top: 0	Bottom:	1735		
Drill Pipe:	Size: 0	Weight:	0		
Tubing:	Size: 0	Weight:	0	Grade:	0
				TD (ft):	0
Open Hole:	Size: 12 1/4	T.D. (ft):	0		
Perforations	From (ft): 0	To: 0	Packer Depth(ft):	0	

CEMENT DATA						
<b>Spacer Type:</b>						
Amt.	Sks Yield	ft <sup>3</sup> /sk	Density (PPG)	Excess		
<b>LEAD:</b>	CLASS A 2%GYP, 2%SMS, 2%CC, 1/4#POLY					
Amt. 450	Sks Yield 2.39	ft <sup>3</sup> /sk	Density (PPG)	12.12		
<b>TAIL:</b>	CLASS A 2%CC, 1/4#POLY					
Amt. 185	Sks Yield 1.19	ft <sup>3</sup> /sk	Density (PPG)	15.69		

WATER:									
Lead:	14	gals/sk:	150	Tail:	5.2	gals/sk:	23	Total (bbls):	173
Pump Trucks Used:	210-DP11								
Bulk Equipment:	134 660-38 228 660-20								
Disp. Fluid Type:	FRESH	Amt. (Bbls.)	107.6	Weight (PPG):	8.3				
Mud Type:	Weight (PPG):								

**COMPANY REPRESENTATIVE:** RODNEY GONZALES      **CEMENTER:** CHAD HINZ

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS	
	AM/PM	Casing	Tubing	ANNULUS	TOTAL		RATE
0700						ON LOC SAFTEY MTG, R.U.	
1017		222				5	START LEAD
1057		276			191.5	5	START TAIL
1106					39		SHUT DOWN, DROP PLUG
1109		130				5	START DISPLACEMENT
1130		500			98	2	SLOW RATE
1135		500-1060			107.5		PLUG DOWN
1137							RELEASE PSI, FLOAT HELD
							JOB COMPLETE
							THANK YOU FOR YOUR BUSINESS!!!

*Rec 60 BBLs  
Cement*





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 3288 FM 51  
 Gainesville, Texas 76240  
 Office: 940-612-3336  
 Fax: 940-612-3336 | qesl@geserve.com

Form 185-2N.2  
 3/6/23  
 CEMENTING JOB LOG

**Company:** MERIT ENERGY CO. **Well Name:** WILLIAMS 2-23 **AFE #:** 0  
**Type Job:** SURFACE

**CASING DATA**

Size:	8 5/8	Grade:	J55	Weight:	24
<b>Casing Depths</b>		Top:	0	Bottom:	1735
Drill Pipe:	Size: 0	Weight:	0		
Tubing:	Size: 0	Weight:	0	Grade:	0
Open Hole:	Size: 12 1/4	T.D. (ft):	0		
Perforations	From (ft):	0	To:	0	Packer Depth(ft):
		0			0

**CEMENT DATA**

<b>Spacer Type:</b>					
<b>Amnt.</b>	<b>Sks Yield</b>	<b>ft<sup>3</sup>/sk</b>	<b>Density (PPG)</b>		
Amnt.	450	2.39	12.12	Excess	
CLASS A 2%GYP, 2%SMS, 2%CC, 1/4#POLY					
<b>Amnt.</b>	<b>Sks Yield</b>	<b>ft<sup>3</sup>/sk</b>	<b>Density (PPG)</b>		
Amnt.	185	1.19	15.69	Excess	
CLASS A 2%CC, 1/4#POLY					
WATER:					
Lead:	14	gals/sk:	150	Tail:	5.2
Pump Trucks Used:	210-DP11				
Bulk Equipment:	134 660-38 228 660-20				
Disp. Fluid Type:	FRESH	Amnt. (Bbls.)	107.6	Weight (PPG):	8.3
Mud Type:					

**COMPANY REPRESENTATIVE:** RODNEY GONZALES  
**CEMENTER:** CHAD HINZ

TIME	AM/PM	Casing	Tubing	ANNULUS	FLUID PUMPED DATA	TOTAL	RATE	REMARKS
------	-------	--------	--------	---------	-------------------	-------	------	---------

0700								ON LOC SAFETY MTG, R.U.
1017	222					5		START LEAD
1057	276					5		START TAIL
1106						39		SHUT DOWN, DROP PLUG
1109	130					5		START DISPLACEMENT
1130	500					98	2	SLOW RATE
1135	500-1060					107.5		PLUG DOWN
1137								RELEASE PSI, FLOAT HELD
								JOB COMPLETE
								THANK YOU FOR YOUR BUSINESS!!!



# QUASAR ENERGY SERVICES, INC.

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 Gainesville, Texas 76240  
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Fax: 940-612-3336 | qesi@qeserve.com



**FRACTURING | ACID | CEMENT | NITROGEN**

<b>BID #:</b> 6939		<b>AFE#/PO#:</b> 0	
<b>TYPE / PURPOSE OF JOB:</b> LONGSTRING		<b>SERVICE POINT:</b> Liberal, Ks	
<b>CUSTOMER:</b> MERIT ENERGY		<b>WELL NAME:</b> WILLIAMS 2-23	
<b>ADDRESS:</b>			
<b>CITY:</b>	<b>STATE:</b>	<b>ZIP:</b>	<b>COUNTY:</b> HASKELL <b>STATE:</b> KS
<b>DATE OF SALE:</b>		<b>Perforations:</b> to	

QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
50	1000	L	Mile	Mileage - Pickup - Per Mile	\$5.58	\$ 279.00
100	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	\$8.72	\$ 872.00
1	5625	0	Per Well	Pumping Service Charge -4	\$6,615.00	\$ 6,615.00
1	6030	0	Per Well	Plug Container	\$347.29	\$ 347.29
<b>Subtotal for Pumping &amp; Equipment Charges</b>						<b>\$ 8,113.29</b>

QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
1	4300	0	Each	Auto Fill Shoe (Blue) 5 1/2"	\$416.75	\$ 416.75
1	4371	0	Each	Latch Down Plug & Baffle 5 1/2" Blue	\$441.00	\$ 441.00
20	4450	0	Each	Centralizers 5 1/2"	\$69.46	\$ 1,389.20
40	2502	0	Per Gal.	Clayplex 650	\$49.90	\$ 1,996.00
89	5710	0	Per Lb.	C-15 Low Temp-Non Retarding Fluid Loss	\$11.81	\$ 1,051.09
45	5800	0	Per Lb.	Cello Flakes-Poly Flake 1/8" cut	\$2.78	\$ 125.10
380	5803	0	Per Lbs.	Tactical Blitz	\$2.63	\$ 999.40
357	5840	0	Per Lb.	Gel (Bentinite)	\$0.36	\$ 128.52
1,100	5850	0	Per Lb.	Gypsum	\$1.05	\$ 1,155.00
500	5870	0	Per Gal.	Mud Flush	\$1.39	\$ 695.00
1,150	5890	0	Per Lb.	Salt	\$0.53	\$ 609.50
<b>Subtotal for Material Charges</b>						<b>\$ 9,006.56</b>

<b>MANHOURS:</b> 20	<b># WORKERS:</b> 3	<b>Subtotal for Material Charges</b>		<b>\$ 9,006.56</b>
<b>WORKERS</b>		<b>TOTAL</b>		<b>\$ 17,119.85</b>
JESSE PAXTON		<b>DISCOUNT:</b> 15%	<b>DISCOUNT</b>	<b>\$ 2,567.98</b>
DANNY MCLANE		<b>DISCOUNTED TOTAL</b>		<b>\$ 14,551.87</b>
PHILLIP GRANO				

<b>STAMPS &amp; NOTES:</b>	As of 9/22/15 any invoice with a discount must be paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect full price.
	<b>CUSTOMER SIGNATURE &amp; DATE</b>
	Signature: _____ Date: _____
*All accounts are past due net 30 days following the date of invoice. A finance charge of 1-1/2% per month or 18% annual percentage rate will be charged on all past due accounts.	
Print Name: _____	



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Gainesville, Texas 76240

Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2N

1/0/00

CEMENTING JOB LOG

**CEMENTING JOB LOG**

<b>Company:</b> MERIT ENERGY	<b>Well Name:</b> WILLIAMS 2-23
<b>Type Job:</b> LONGSTRING	<b>AFE #:</b> 0

CASING DATA					
Size:	5 1/2	Grade:	J-55	Weight:	15.5
<b>Casing Depths</b>	Top: 0	Bottom:	0		
Drill Pipe:	Size: 0	Weight:	0		
Tubing:	Size: 0	Weight:	0	Grade:	0
Open Hole:	Size: 7 7/8	T.D. (ft):	5550	TD (ft):	5550
Perforations	From (ft): 0	To: 0	Packer Depth(ft):	0	

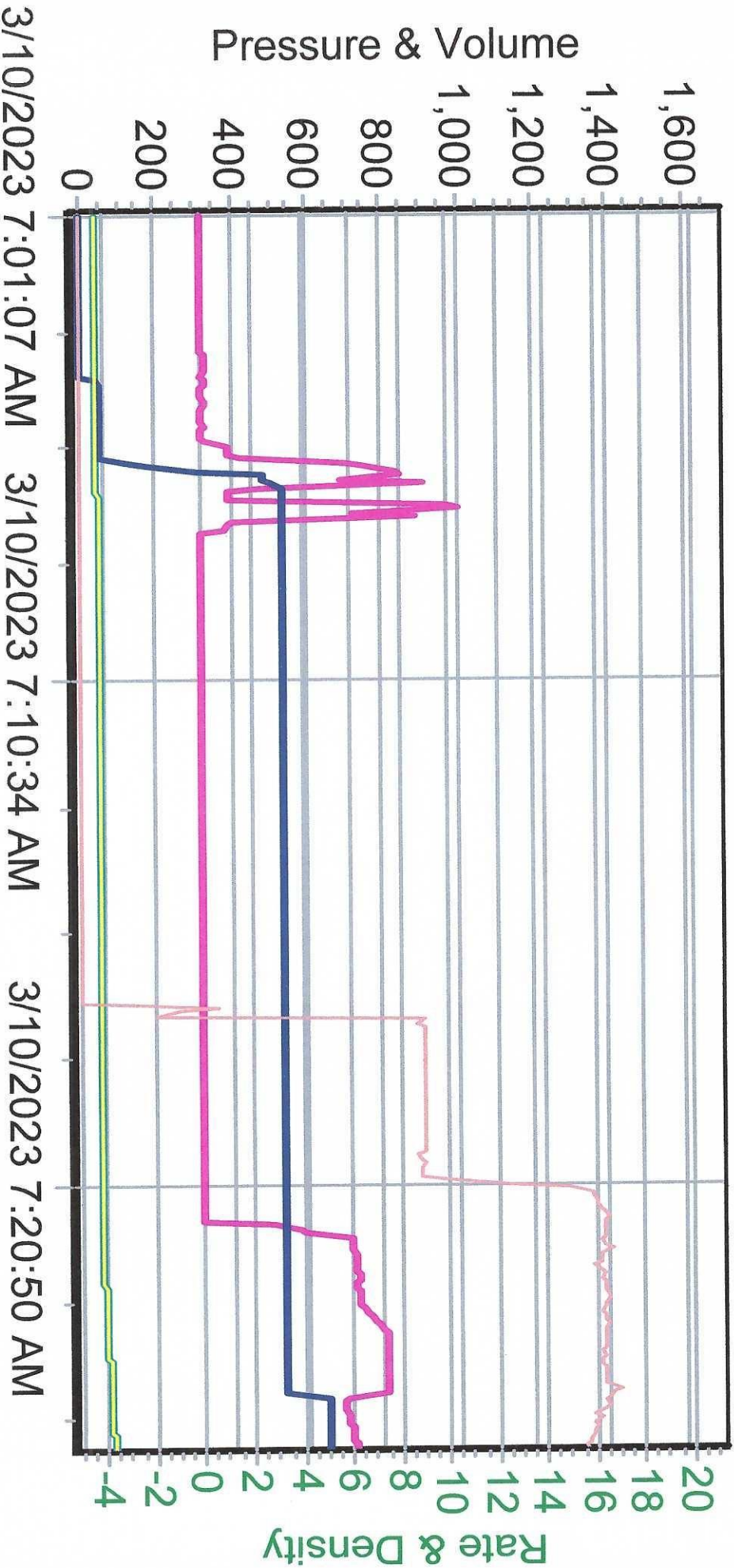
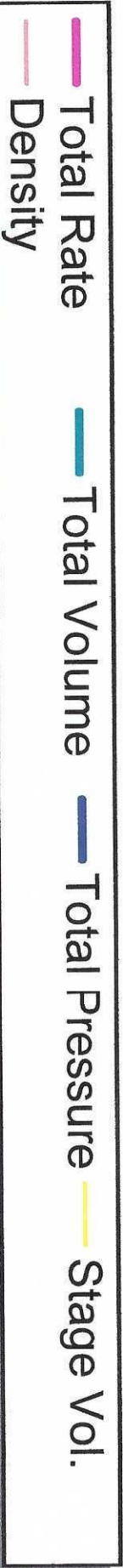
CEMENT DATA					
<b>Spacer Type:</b>					
Amt.	Sks Yield		ft <sup>3</sup> /sk	Density (PPG)	
<b>LEAD:</b>					Excess
Amt.	Sks Yield		ft <sup>3</sup> /sk	Density (PPG)	
<b>TAIL:</b>	A 2% GEL, 6% GYP, 2#/SK TB, 1/4 CELLFLAKE, .5% C-15, 10% SALT				Excess
Amt.	190	Sks Yield	1.51	ft <sup>3</sup> /sk	286
				Density (PPG)	14.79

WATER: FRESH					
Lead:		gals/sk:		Tail:	32
				gals/sk:	7.1
				Total (bbls):	32
Pump Trucks Used:	DP 3				
Bulk Equipment:	660-				
Disp. Fluid Type:	KCL	Amt. (Bbls.)	130.9	Weight (PPG):	
Mud Type:				Weight (PPG):	

**COMPANY REPRESENTATIVE:** \_\_\_\_\_ **CEMENTER:** JESSE PAXTON

TIME AM/PM	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
	Casing	Tubing	ANNULUS	TOTAL	RATE	
0600						ON LOCATION - RIG UP - SAFETY MEETING
0710	600			10	6	PUMP MUD FLUSH
0730	600			51	6	PUMP TAIL CEMENT
0738						SHUT DOWN WASH UP TO PIT
0742	170			130.9	6.5	PUMP KCL DISPLACEMENT
0806	830				2	SLOW RATE 2BPM
0810	1100				2	BUMP PLUG/ PRESSURE UP TO (1677PSI)
						RELEASE PRESSURE FLOAT HELD
						JOB COMPLETE THANK YOU!!

# MERIT ENERGY WILLIAMS 2-23 LONGSTRING 3-10-23





Conservation Division  
266 N. Main St., Ste. 220  
Wichita, KS 67202-1513

Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Susan K. Duffy, Chair  
Dwight D. Keen, Commissioner  
Andrew J. French, Commissioner

Laura Kelly, Governor

July 06, 2023

Idania Medina  
Merit Energy Company, LLC  
13727 Noel Road, Suite 1200  
Dallas, TX 75240-7362

Re: ACO-1  
API 15-081-22259-00-00  
WILLIAMS 2-23  
NE/4 Sec.23-28S-33W  
Haskell County, Kansas

Dear Idania Medina:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 3/4/2023 and the ACO-1 was received on July 03, 2023 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department