

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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MAXWELL LAFON WELLSITE GEOLOGY**WELL INFO**

Well Name: Bahm #1
 Location: NE NE, s. 2, T. 16N, R. 35W
 Footage: 929' FEL, 671' FNL
 County/State: Wichita Co., Kansas
 Field: American Beauty
 Coordinates: N 38.6988198 , W -101.1495471
 API #: 15-203-20352

Ground Elev: 3112' KB Elev: 3117'
 Logged Interval: 3320' - TD Total Depth: 4769'

OPERATOR INFO

Company: Davidson Oil and Gas LLC
 Address: 1905 Vine St.
 Hays, KS 67601

CONTRACTOR

Contractor: White Knight
 Rig #: 1
 Rig Type: Rotary Double
 Spud Date: 6/3/2019 Time: 2:30 PM
 TD Date: 6/10/2019 Time: 7:33 AM
 Rig Release: Time:

WELLSITE GEOLOGIST

Geologist: Maxwell LaFon
 Address: PO Box 9867
 Denver, CO 80209
 Phone: 303-594-0515
 Email: mjlafon@gmail.com

DRILL STEM TESTS

No.	Interval	Formation	Recovery
1	4050-4099	Lansing E/F	63' WCM
2	4495-4540	Ft. Scott - straddle	272' WCM, 63' MCW
3	4136-4180	Lansing H - straddle	346' WCM, 126' MCW

FORMATIONS

Formation	Depth - Samples	Depth - Logs	Subsea
Stone Corral	2437' (+680)	2436'	+ 681
Foraker	3559' (-442)	3558'	- 441
Topeka	3763' (-646)	3762'	- 645
Oread	3872' (-755)	3872'	- 755
Heebner	3933' (-816)	3932'	- 815
Toronto	3948' (-831)	3946'	- 829
Lansing A	3980' (-863)	3980'	- 863
Lansing C	4016' (-899)	4015'	- 898
Lansing D	4031' (-914)	4036'	- 919
Lansing E	4064' (-947)	4064'	- 947

**Stone Corral
Anhydrite
(2437', +678)**

2440

2450

2460

2470

2480

2490

2500

2510

2520

2530

2540

2550

2560

2570

2580

2590

2600

2610

2620

2630

2640

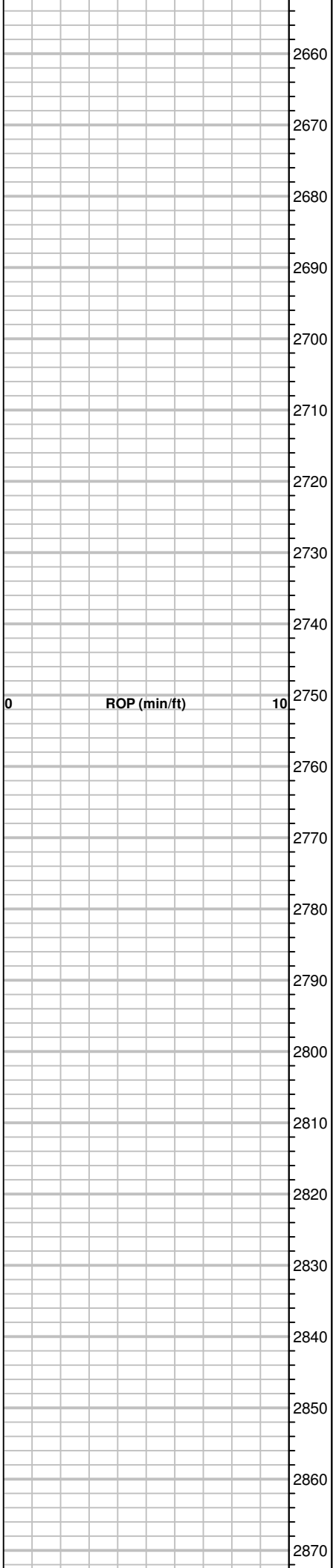
2650

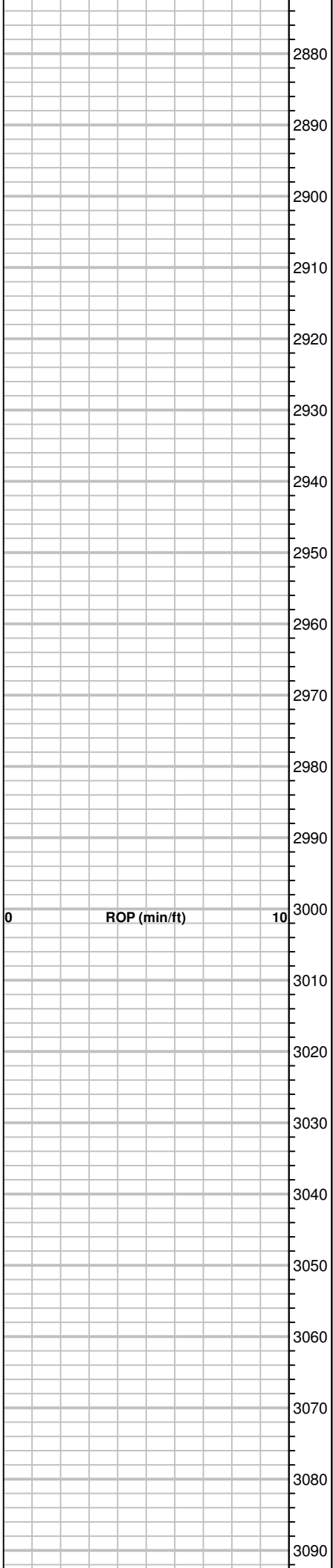
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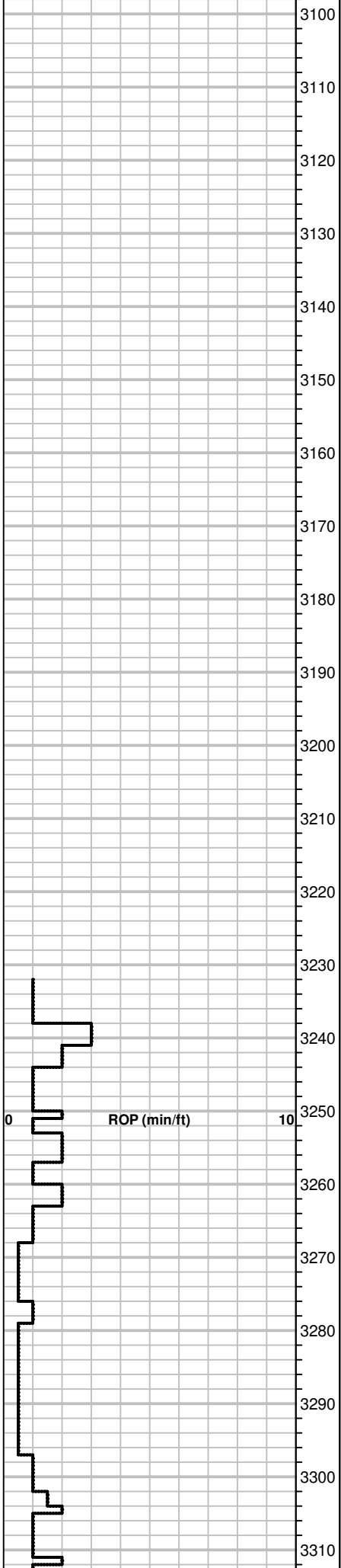
ROP (min/ft)

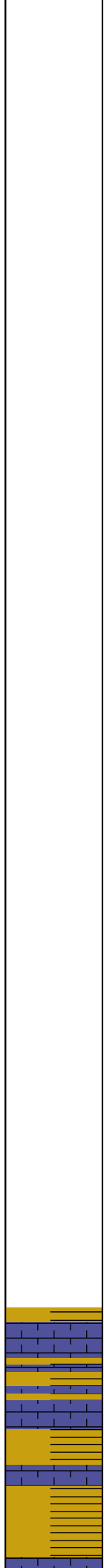
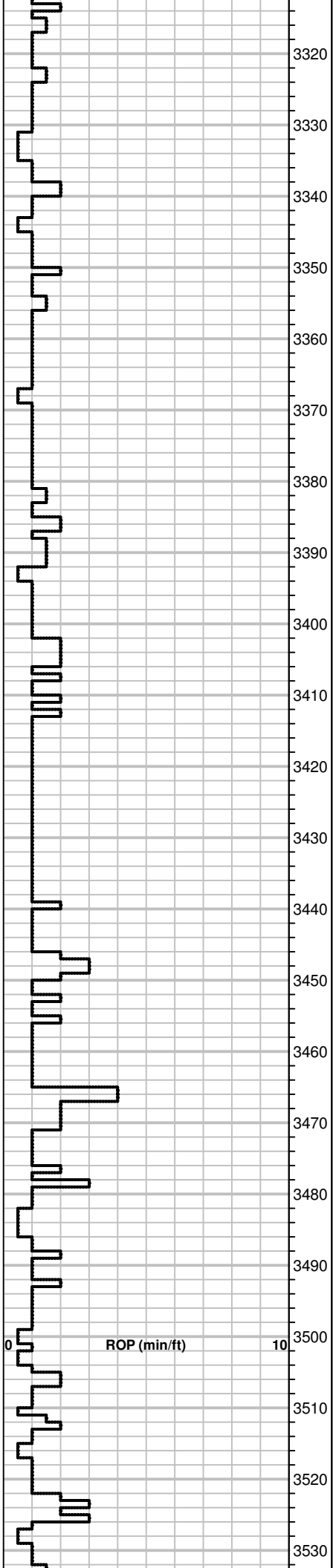
10











3495-3507 Sh red, LS lt. - dk gry, very fine xtl, hard, tight, NS

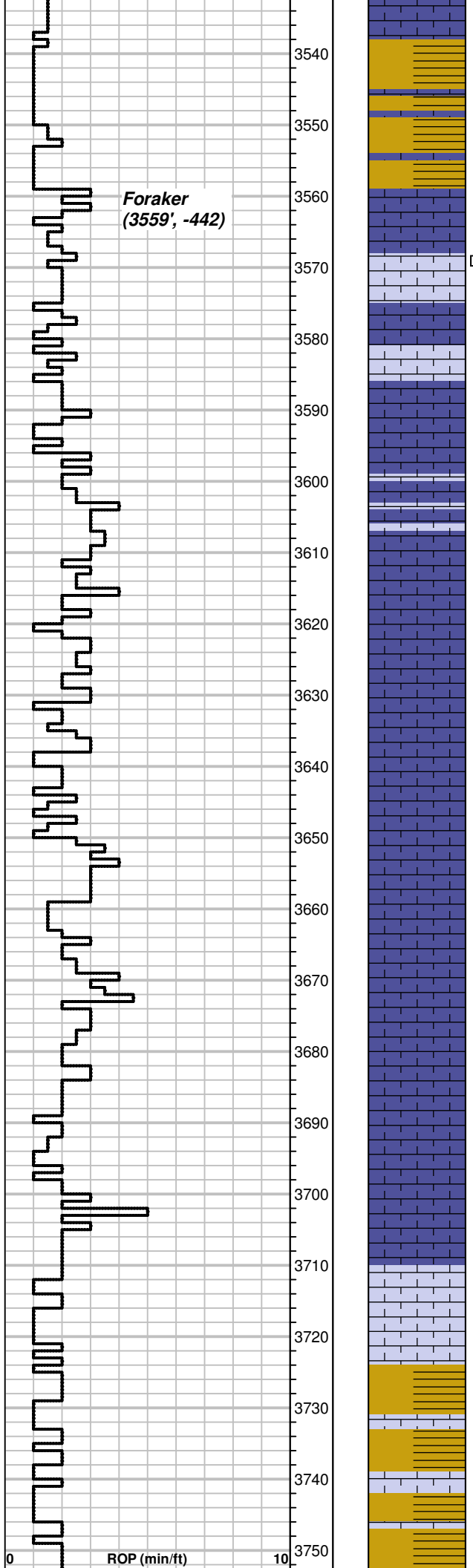
3507-20 Sh red as above, some brwn, LS as above, NS. Some LS tan, medium - coarse xtl, chalky

3520-25 More Sh red, LS brwn, microxtln, hard, tight, NS, Also Sh brwn

Start Mud up @ 3382'

Wt. 8.5
Vis 48
LCM 2 #

Bit Trip @ 3500'
Pipe Strap 1.3' short



**Foraker
(3559', -442)**

3525-38 Less Sh red. LS lt. brwn, med xtl, hard, tight, NS

3538-53 Lots Sh red, blk. LS dirty, drk gry, med xtl, hard, tight, NS.
Lots microxtln, hard, tight, NS

3553-65 Sh red/blk. LS mix as above

3565-75 Lith change. LS tan fine xtl, friable - hard, poor to no por,
NS. Some chalky pieces tr w/ fossil, med - coarse grnstrn, hard,
tight, NS. **dead bitumen**

3575-86 Quite a bit more LS, tan, mix fine - med xtl, some
microxtln, hard, tight, NS. Tr LS chky white

3586-3602 Good slug LS 75% tray. LS as above, mix. color change,
darker LS, some grk/dk tan. tr fossl/silt clasts

3602-09 As above

3609-19 Mix as above

3619-27 More LS, gry microxtln, hard, tight, no por, NS

3627-36 Mainly LS microxtln as above, NS

3636-51 Big slug LS. LS wt fine xtl, sucrosic, slightly friable - hard,
NS. Mix As above

3651-58 LS wt, fine - med xtl, some microxtln, hard, tight, NS

3658-71 As above

3671-77 Lith change, LS dirty dk gry/blk, microxtln, hard, tight, NS

3677-85 As above

3685-99 LS, lt gry - tan, very fine - med xtl, tight, NS. Sh red

3699-3711 LS gry - wt fine xtl - micro, hard, tight, NS

3711-22 LS lt. gry, foss med grnstrn, tight, no por, NS

3722-30 LS as above, Lots Sh red

3730-46 Less lime, Lots Sh red

3746-54 LS brwn fine xtl, hard, tight, no por, NS Lots Sh red

**KS Drilling Technologies
Mud check 6/6/19**

Depth: 3550' Btms Up: 31 min
Wt: 8.5 Vis: 46 Filt: 8.0
Cake: 1/32" LCM: 2.5# YP: 15
Chlor: 4000 ppm Grad: 0.442 psi/ft

Wt. 8.7
Vis 42
LCM 2 #

0 ROP (min/ft) 10

Topeka
(3763', -646)

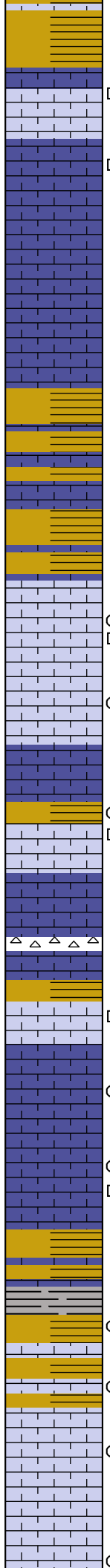
Oread
(3872', -755)

Heebner
(3933', -816)

Toronto
(3948', -831)

CFS - 15/30/45

3760
3770
3780
3790
3800
3810
3820
3830
3840
3850
3860
3870
3880
3890
3900
3910
3920
3930
3940
3950
3960
3970



3754-62 As above, NS

3762-71 Change slug LS lt. brwn, fine - med xtln, grnstrn, no por, NS. one cutting w/ small vug por, dead bitumen, NSFO. LS wt fine grnstrn, poor-fair por, wet

3771-81 Big slug LS (95% of tray). LS lt. gry fine xtln, hard, tight no por, NS. fair amount LS wt chalky soft. LS lt. gry fine grnstrn tr dead bitumen, one cutting w/ tr intrgrnlr por

3781-91 LS as above big slug (90%) LS wt-lt gry, fine - med microxtln, tr chalky, no por, NS

2791-3806 Slug LS (95%) LS wt, chlky soft, NS. Mainly LS lt. gry fine xtln, hard, tight, NS

3806-15 More Sh. LS wt fine xtln, friable, NS. Also lots LS lt gry, fin xtln, hard, tight, NS

3815-26 More Sh, LS as above

3826-32 Lots Sh, very little LS

3832-47 Big slug LS (95% tray), fair amount LS wt med grnstrn, intrgrnlr por, poor - fair por, trace free oil - low grav. mostly dead

3847-58 Few grns as above w/ show

3858-65 LS gray, fine - microxtln, some chlky, hard, tight, NS

3865-70 Sh red 20%, LS wt fine-microxtln, hard, tight, NS. couple pieces like above w/ show. fine grnstrn, fair intrgrnlr por, deader oil stn, no odor

3870-79 LS wt mix, fine xtln - microxtln, med xtln hard, tight, NS. some chlky

3879-89 LS as above cherty

3889-98 more Sh. LS as above but couple pieces as above w/ show - LS wt fine grnstrn, intrgrnlr por, dead oil, SSFO on break

3898-3910 LS wt, microxtln, couple pieces w/ patchy vug, FSFO

3910-25 LS wt - lt gry microxtln, hard, tight, NS. few cuttings w/ poor scattered show, small vugs, some dead oil, couple pieces intrgrnlr por

3925-35 50/50 Sh and LS. LS lt. gry, fine - med xtln, no shows, Sh Heebner blk blocky

3935-42 Lots Sh, one grn LS fine grnstrn, intrgrnlr por, dead oil, tr free oil on break, poor por

3942-51 Lots Sh, two grn LS gry, fine grnstrn, intrgrnlr por, abundant stain, some bleeding oil, FSFO

3951-60 one grn LS, wt, med grnstrn, fair intrgrnlr por, brwn oil stn, GSFO on break Toronto, very spotty shw, poor quality, looks tight, dead, tr free oil, drilling break underwhelming 1.5" vs 2". Only 2 cuttings w/ show

3960-68 No shw in this sample LS as above

3968-70 Same as above

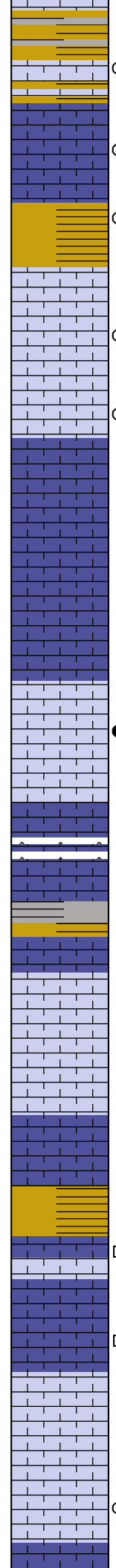
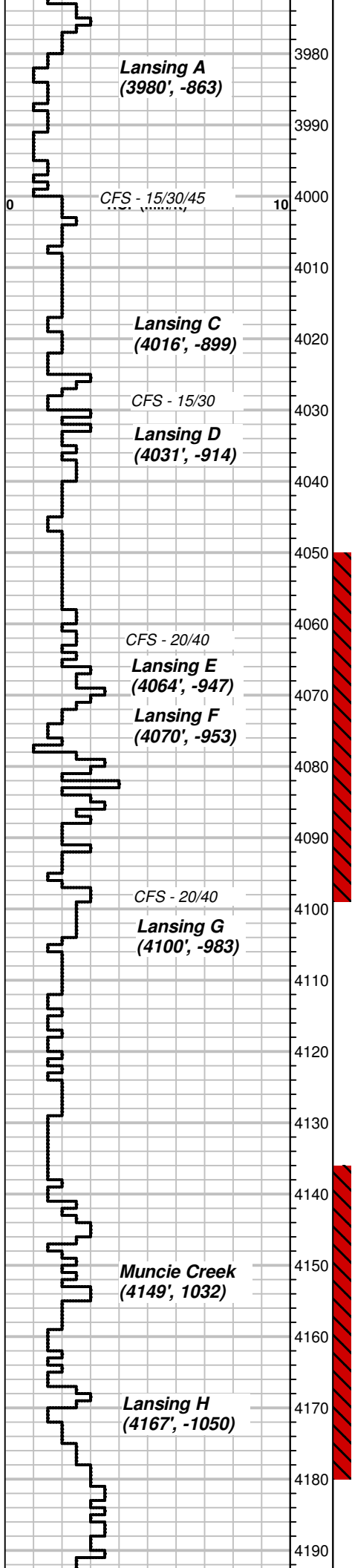
3970-72 Couple pieces LS wt, med grnstrn, good intrgrnlr por, ok stain, FSFO, one grn as above but looks wet, not a lot of cut

Wt: 8.9
Vis 52
LCM 2 #

Topeka.JPG

KS Drilling Technologies
Mud check 6/7/19
Depth: 3804' Btms Up: 33 min
Wt: 9 Vis: 49 Filt: 12.0
Cake: 1/32" LCM: 2# YP: 32
Chlor: 10000 ppm Grad: 0.468 psi/ft

Toronto.JPG



3972-77 LS as above, no show

3977-87 Mostly Sh red, dk gry. Seemed to be poor returns from A zone. only seen a **few grns w/ shw**, very little lime in samples

3987-90 No returns, Sh red 40%

3990-4003 LS wt microxtln - fine xtln, hard, tight, NS. **One grain tight tarry oil, NSFO**

4003-08 Mainly Sh red, One grn w/ pin pt vug porosity, **scattered patchy por, PSFO, live oil?** only one grain.

4008-15 LS lt. brwn, oolite med grnstn, slightly friable, fair por, NS, wet. **two grns w/ show**

4015-25 Couple grns, med grnstn, hard, tight, poor por, **FSFO on break**

4025-34 lots LS wt chalky, soft, no perm, NS. One grn LS med grnstn, **good sat, GSFO**. One grn fine grnstn, **poor sat - wet**

4034-44 Good slug LS wt microxtln hard, tight, NS. Some soft chlky NS

4044-60 LS as above, NS

4060-65 As above

4065-69 LS wt fine xtln - microxtln, hard, tight, NS

4069-78 LS wt med grnstn, pin pt vugs and larger vugs **GSFO**, some tighter por to fair por, some vugs in microxtln rock, **good odor, 8-10 grains per tray w/ show**

4078-85 out of shw. LS as above

4085-93 LS wt cherty microxtln, hard, tight, NS

4093-99 LS wt microxtln, hard, tight, no por, NS

4099-4104 Sh dk gry/red, Trace LS lt. tan xtln, hard, no por, NS

4104-11 As above

4111-20 LS lt. tan coarse grnstn, very hard, no por, NS

4120-34 LS as above, Trace LS lt. tan fine xtln, hard, no por, NS

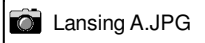
4134-45 As above, also Sh red

4145-53 LS cream fine xtln, very hard, no por, NS. Trace LS gry microxtln, very hard, no por, NS. Some Sh red/dk gry. Sparse LS cream fine grnstn, poor intrgrnr por, some sparse vugs, **trace oil stain, very slight odor, only one cutting in tray w/ show**, NSFO

4153-66 LS lt. gry xtln, very hard, no por. LS as above w/ same **dead oil stain**, looks wet. NSFO

4166-80 LS cream med-fine grnstn, fair por, slightly friable, NS

4180-89 LS cream grnstn, no por, hard, NS. LS gry/brwn microxtln, very hard, no por, NS. LS lt. tan fine grnstn, poor intrgrn por, sparse pinpoint vugs, **FSFO, sparse - no odor**



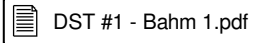
Lansing A.JPG



Lansing C.JPG

DST #1 (4050-4099)
Lansing E/F
30-60-60-120
Recovery: 63' WCM
IF: 18-23 SF: 26-40
Shut Ins: 831/815

30" IF - Built to 2.5"
60" ISI - No blow back
60" FF - Built to 2"
120" FSI - No blow back
Rw: not enough to measure
Chlorides: 14,000 ppm



DST #1 - Bahm 1.pdf



Lansing E.JPG

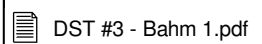


Lansing F.JPG

KS Drilling Technologies
Mud check 6/8/19
 Depth: 4099' Btms Up: 35 min
 Wt: 9.1 Vis: 48 Filt: 12.0
 Cake: 1/32" LCM: 2# YP: 15
 Chlor: 14000 ppm Grad: 0.473 psi/ft

DST #3 (4136-4180)
Lansing H - straddle
60-45-30-45
Recovery: 346' WCM, 126' MCW
IF: 27-172 SF: 174-232
Shut Ins: 1145/1134

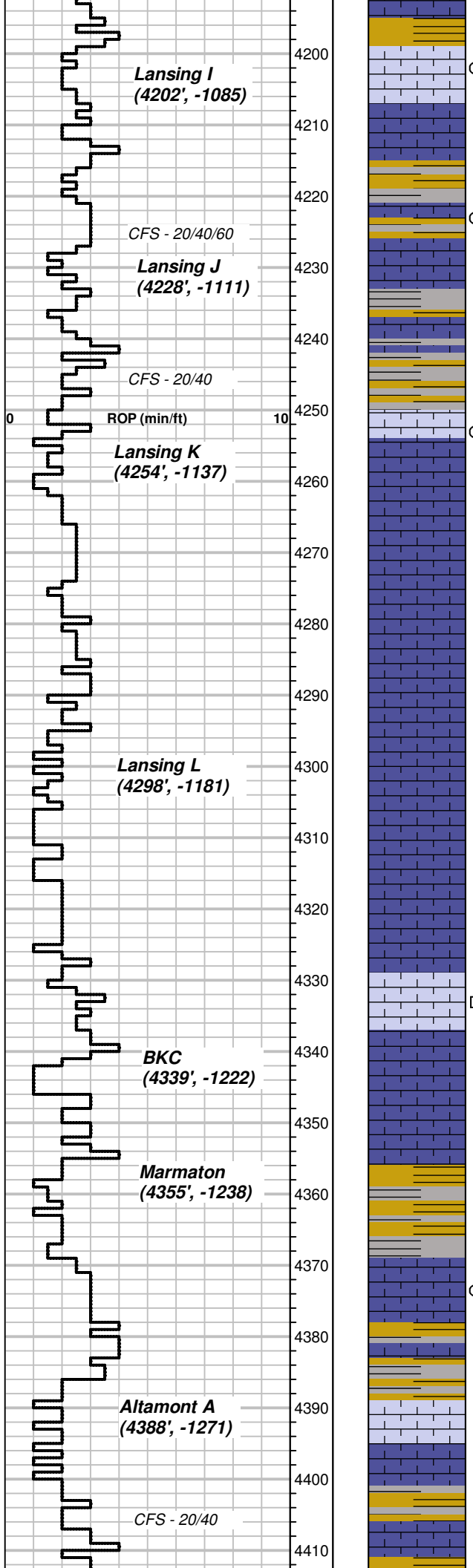
60" IF - BOB 16 min - 31.5" total
45" ISI - No blow back
30" FF - BOB 22 min - 13" total
45 FSI - No blow back
Rw: 0.220 @ 74*, 30,000 ppm



DST #3 - Bahm 1.pdf



Lansing H.JPG



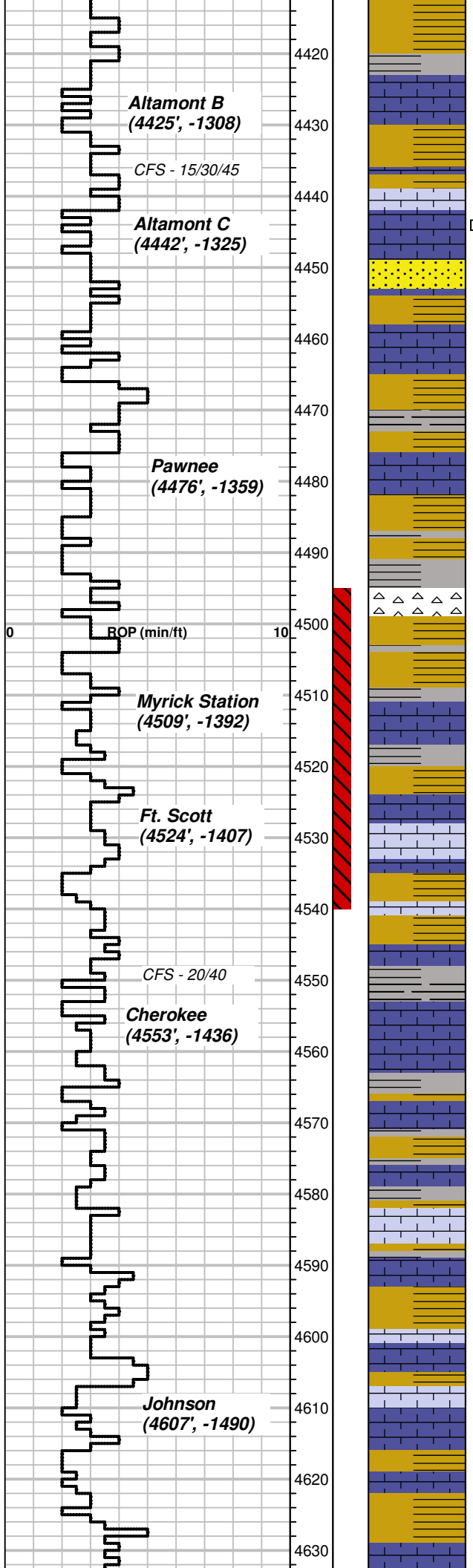
4189-97 LS lt. gry fine xtln, hard, no por, NS. Some Sh red, brwn
 4197-4207 LS lt. gry med grnstrn, slightly friable, fair intrgrnlr por, **fair oil show, minimal free oil when crushed, good saturation throughout pores, slight odor, only a few cuttings w/ show,** tight
 4207-13 LS gry/brwn coarse xtln, very hard, no por, NS. **Very few grns as above w/ shw**
 4213-20 LS wt xtln, hard, no por, NS. Sh red some Sh dk gry
 4220-25 LS lt. tan wt xtln, hard, no por, NS. LS cream fine grnstrn, very friable, fair intrgrnlr por, **FSFO when crushed, sparse cuttings w/ show,** no odor or cut
 4225-28 LS gry xtln, hard, no por, NS. Sh red and dk gry
 4228-32 LS wt fine xtln, very friable, no por, NS
 4232-39 LS gry xtln, very hard, no por, NS. Sh red/dk gry
 4239-45 Mostly Sh red/brwn/gry. Some LS lt. gry/wt microxtln, hard, no por, NS
 4245-48 LS cream fine xtln and micro xtln, very hard, no por, NS
 4248-53 LS lt. gry grnstrn, prtly rextlzd, hard, poor por, tight, **trace free oil when crushed, oil stain in pores, slight odor - sparse show.** Mostly LS lt gry microxtln, very hard, no por, NS
 4253-66 LS microxtln as above. LS cream xtln, hard, no por, NS
 4266-77 LS very fine xtln, some chlky, friable, no eff. por, NS. Also LS gry coarse xtln and microxtln, very hard, no por, NS
 4277-85 LS gry coarse xtln, very hard, no por, NS
 4285-90 As above
 4290-98 Transition to LS wt fine xtln, chlky, friable, no por, NS. Chalky clay all over cuttings
 4298-4312 As above, also LS med xtln and xtln, slightly friable, no por, NS
 4312-28 LS lt. gry microxtln, hard, no por, NS
 4328-36 Mostly LS as above, Trace LS gry grnstrn, very hard, very poor por, **some dead bitumen,** NSFO
 4336-46 LS gry xtln, dirty, very hard, no por, NS
 4346-53 As above, Also LS gry coarse xtln, very hard, no por, NS
 4353-70 As above, Also Sh red/dk gry and lt. gry clay globs
 4370-79 LS gry xtln, hard, no por, NS. Lt. gry clay globs. One cutting LS lt. gry grnstrn, hard, poor, por, **PSFO, one micro oil drop in cup.** Show too sparse to test.
 4379-83 Mostly Sh red/brwn, Trace LS gry/brwn med xtln - dirty, very hard, no por, NS
 4383-88 As above, More Sh red/brwn/dk gry than above
 4388-99 Sh red/dk gry. Trace LS lt. tan med grnstrn, prtly rextlzd, hard, no por, NS
 4399-06 LS gry coarse xtln, very hard, no por, NS. Trace Sh as above.

Lansing I.JPG

Wt. 9.1
 Vis 39
 LCM 2 #

Wt. 9.1
 Vis 43
 LCM 2 #

Marmaton Upper.JPG



4406-18 LS wt xtltn, slightly friable, poor por, NS, 50/50 Sh red

4418-27 75% Sh red/grn, LS gry xtltn, very hard, no por, NS

4427-34 50/50 Sh red/dk gry, LS gry xtltn, very hard, no por, NS

4434-39 90% Sh red, some dk gry, Trace LS lt. tan xtltn, very hard, no por, NS

4439-49 Increasing amt of Lime, as above. One cutting LS lt. gry fine grnstrn, no intrgnrl po, **sparse pinpoint vuqs w/ oil stain**, NSFO

4449-60 LS lt. gry med-coarse xtltn, very hard, no por, NS. SS opaque grains w/ red clay matrix, no perm, very hard, NS. Trace Sh red/brwn

4460-69 LS lt. gry microxtln and med xtltn, hard, no por, NS Sh red/brwn

4469-77 Mostly Sh red/brwn, Sh dk blk. Tr LS brwn/gry xtltn - dirty, very hard, no por, NS

4477-88 Less Sh than above, Still 90% Sh red, Some LS lt. gry - lt tan microxtln, very hard, no por, NS

4488-99 All Sh red and blk, some chert opaque/orange

4499-4508 All Sh red, dk gry, poor returns, hardly any sample in box

4508-19 Mostly Sh red/brwn. Some LS gry microxtln, very hard, no por, NS

4519-29 LS cream xtltn, very hard, no por, NS. Large vuqs, some discolored and some clean, looks tumbled, no oil stain or shw - wet. Tr LS lt. tan oolitic grnstrn, no por, hard, NS.

4529-39 LS as above, NS. Sh red, big cuttings, some Sh dk gry

4539- 45 LS gry oolitic and fossiliferous grnstrn rextlzd, very hard, no por, NS. Less Sh red than above

4545-50 LS dk gry xtltn, very hard, no por, NS. Tr wt, very fine xtltn, friable, no perm, NS

4550-58 Sh blk carb., above Cherokee? Sh red, LS gry xtltn from above. LS lt. tan very fine xtltn, very hard, large intrcnctd vuqs, off color - doesn't look oil stained, NSFO when crushed, could be contamination from Ft. Scott - looks similar

4558-69 50/50 Shale red/dk gry, LS gry xtltn, very hard, no por, NS

4569-78 As above, LS lt. gry xtltn, slightly friable, no por, NS

4578-91 Mostly all Sh red/dk gry, very few cuttings. LS lt. tan grnstrn, slightly friable, fair por, NS

4591-4600 LS lt. gry microxtln, very hard, no por, NS. Mostly Sh red/dk gry

4600-07 LS lt. gry fine - med xtltn, hard, no por, NS. Trace LS lt. tan fine grnstrn, slightly friable, fair por, NS - looks wet

4607-12 LS as above. Some Sh red

4612-20 Sh red/brwn/purple

4620-25 As above

4625-31 Mostly Sh red/brwn/gry. Trace LS lt. gry xtltn, very hard, no por, NS

KS Drilling Technologies
Mud check 6/9/19
 Depth: 4440' Btms Up: 37 min
 Wt: 9.5 Vis: 46 Filt: 13.0
 Cake: 1/32" LCM: 1.5# YP: 15
 Chlor:13000 ppm Grad: 0.494 psi/ft

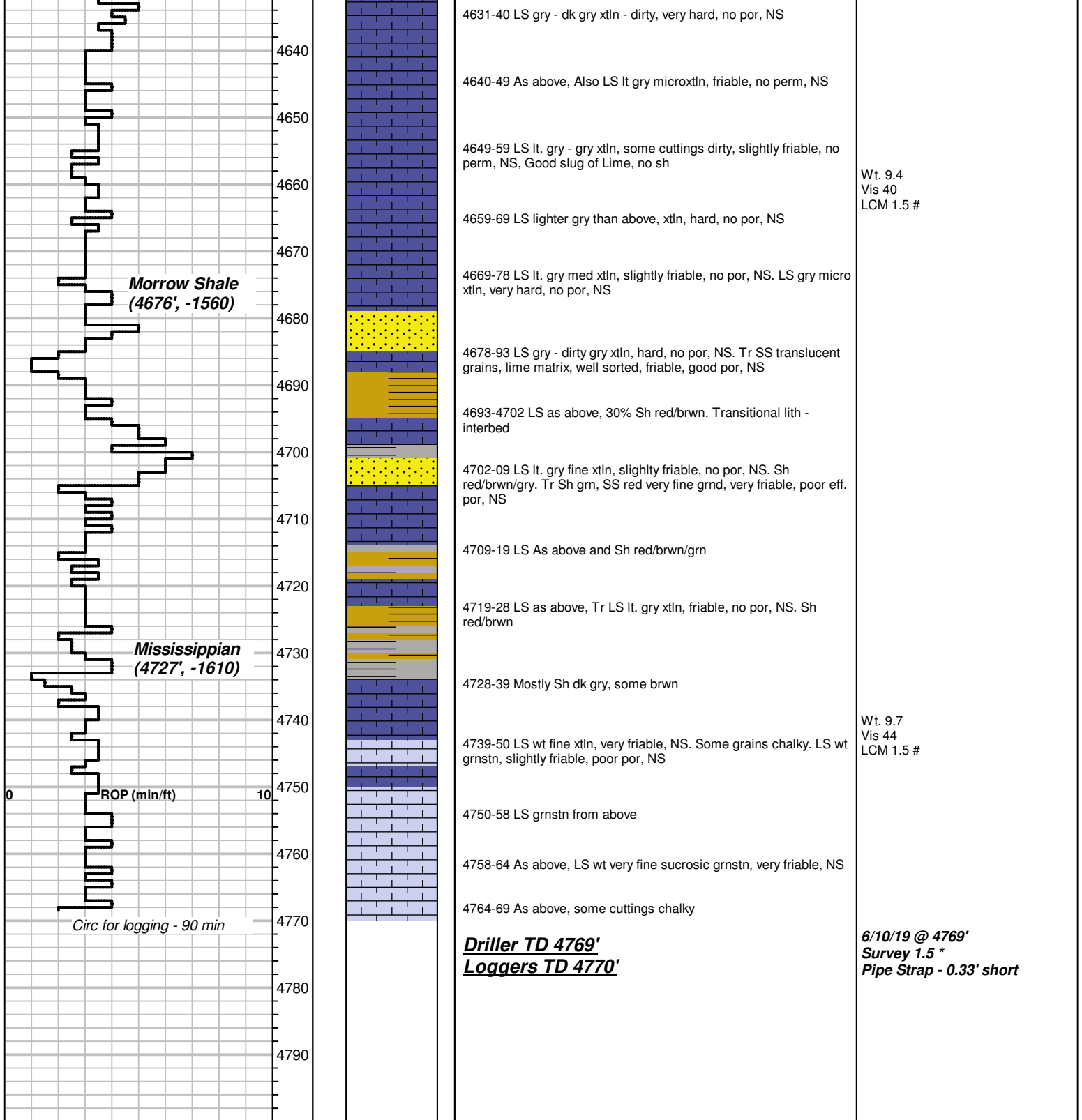
** Returns are poor, lots of shale and LS fines, low volume - working on problem*

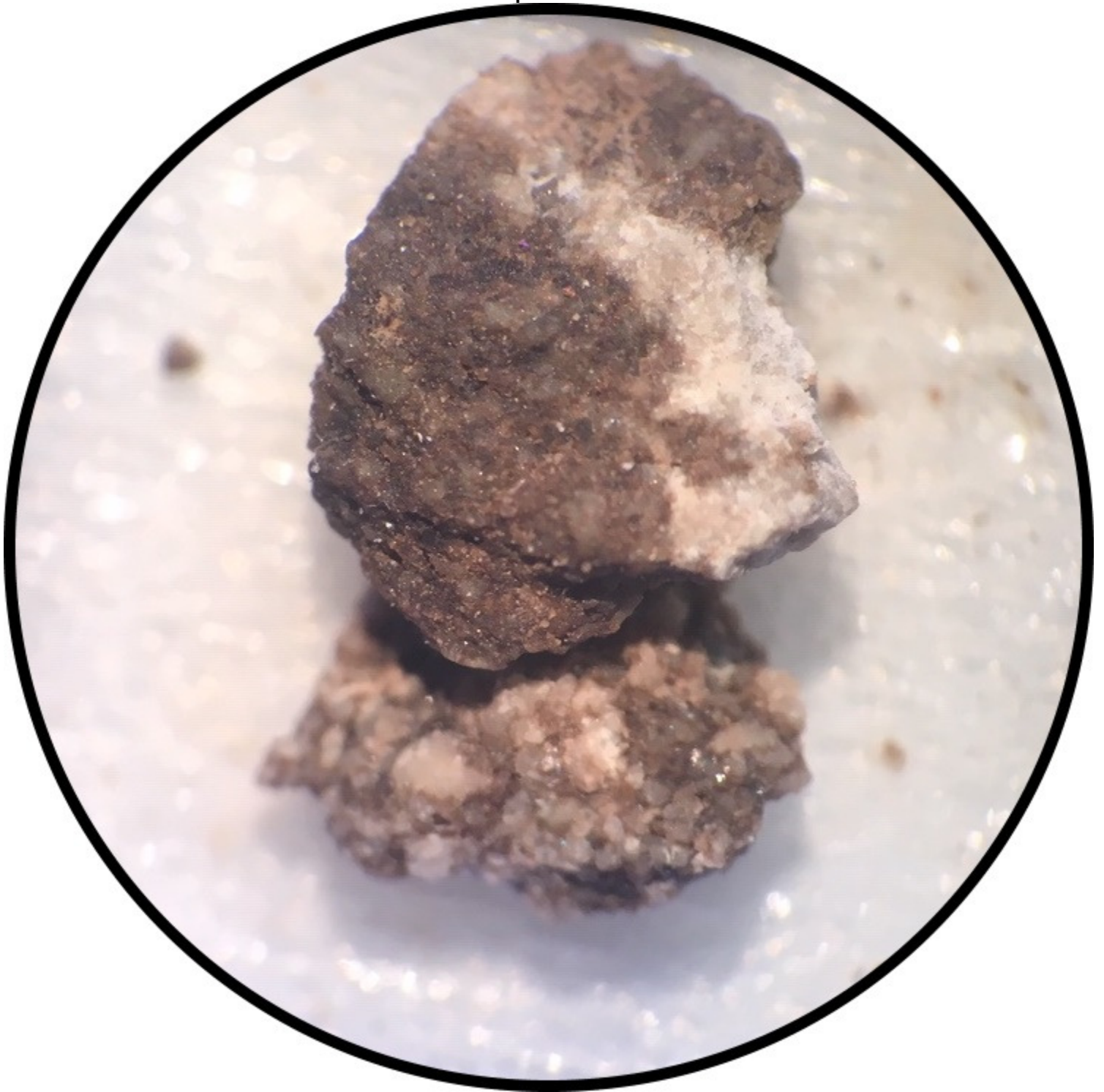
DST #2 (4495-4540)
Ft. Scott - straddle
60-45-60-45
Recovery: 272' WCM, 63' MCW
IF: 24-107 SF: 110-177
Shut Ins: 1232/1071

60" IF - BOB 30 min - 17" total
45" ISI - No blow back
60" FF - BOB 48 min - 12" total
45" FSI - No blow back
Rw: 0.230 @ 55, 40,000 ppm*

DST #2 - Bahm 1.pdf

** Better samples - most of samples are going over collection box. Hung bucket at the overflow point to collect which improved sample volume. Still have a lot of fines. Adjusted mud.*

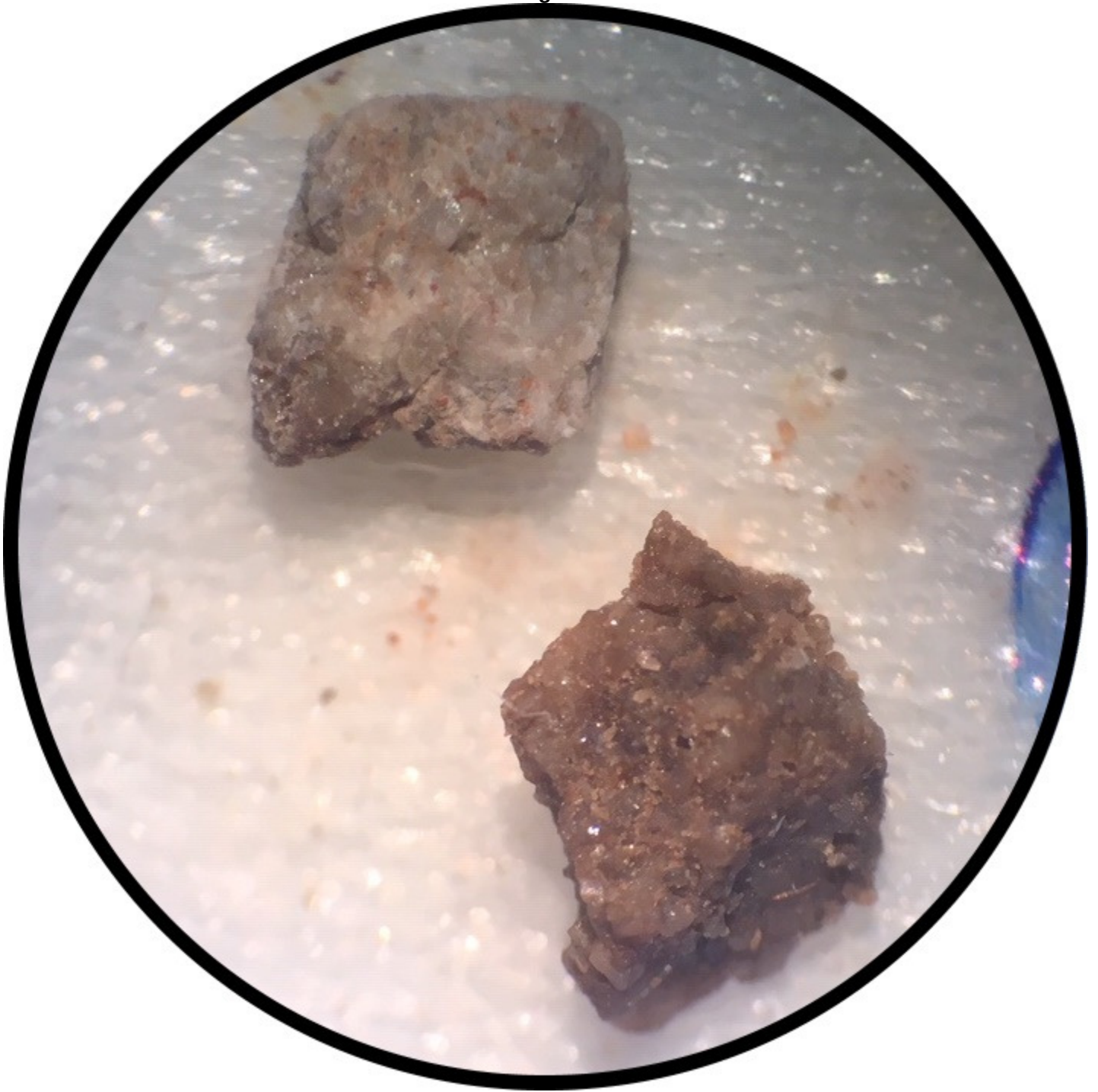


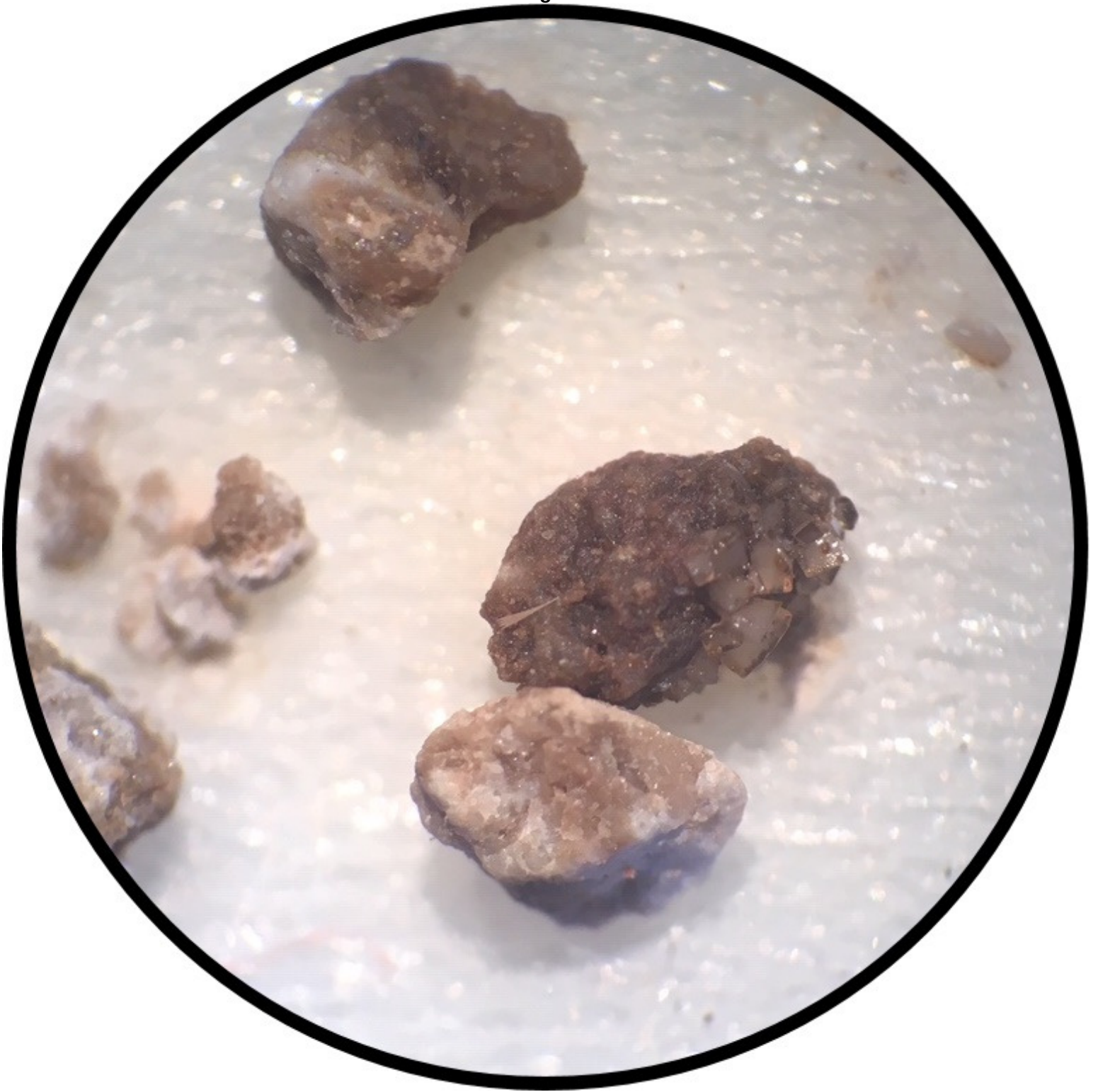






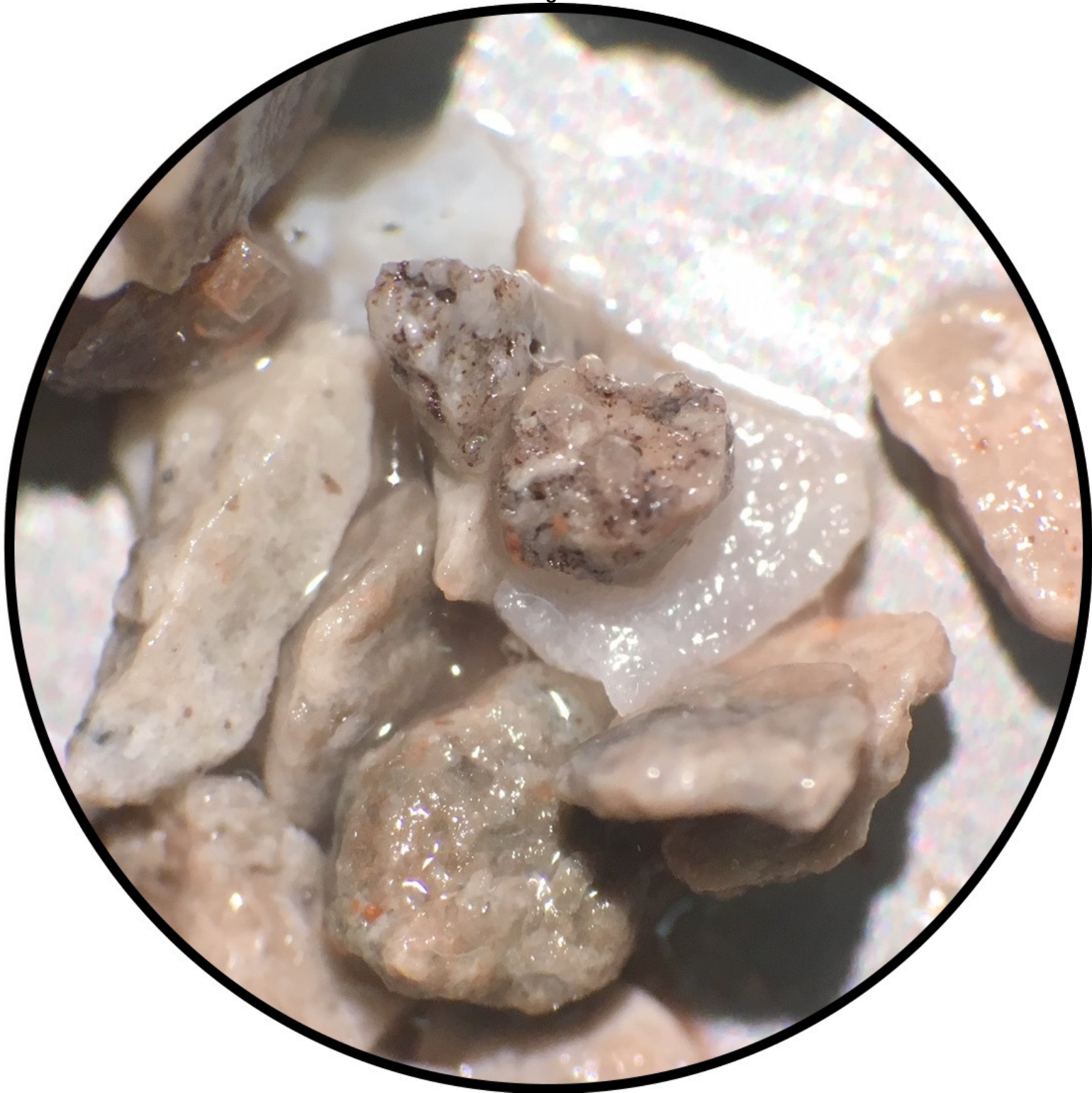
Lansing C.JPG



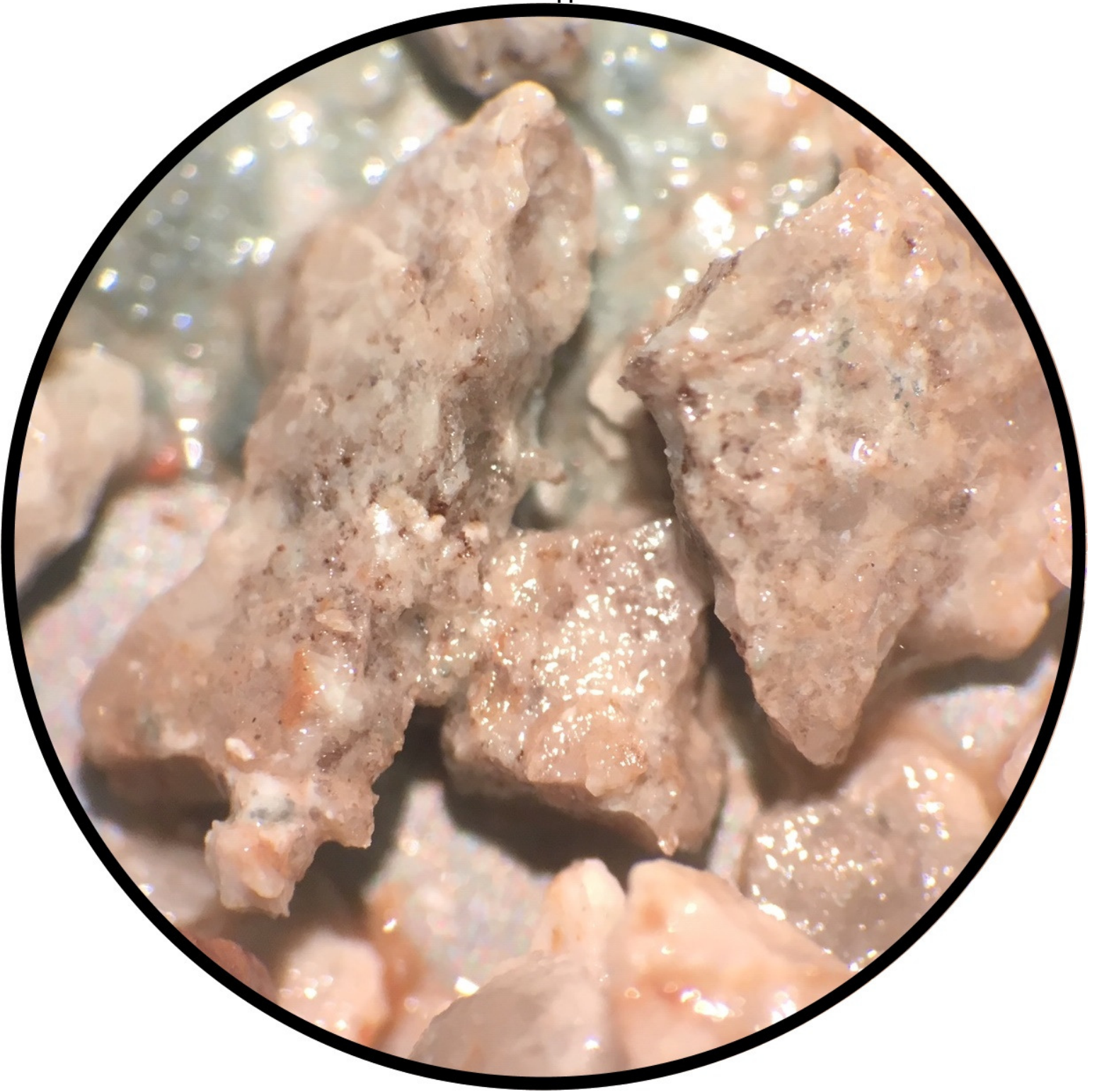








Marmaton Upper.JPG



MAXWELL LAFON WELLSITE GEOLOGY**WELL INFO**

Well Name: Bahm #1
 Location: NE NE, s. 2, T. 16N, R. 35W
 Footage: 929' FEL, 671' FNL
 County/State: Wichita Co., Kansas
 Field: American Beauty
 Coordinates: N 38.6988198 , W -101.1495471
 API #: 15-203-20352

Ground Elev: 3112' KB Elev: 3117'
 Logged Interval: 3320' - TD Total Depth: 4769'

OPERATOR INFO

Company: Davidson Oil and Gas LLC
 Address: 1905 Vine St.
 Hays, KS 67601

CONTRACTOR

Contractor: White Knight
 Rig #: 1
 Rig Type: Rotary Double
 Spud Date: 6/3/2019 Time: 2:30 PM
 TD Date: 6/10/2019 Time: 7:33 AM
 Rig Release: Time:

WELLSITE GEOLOGIST

Geologist: Maxwell LaFon
 Address: PO Box 9867
 Denver, CO 80209
 Phone: 303-594-0515
 Email: mjlafon@gmail.com

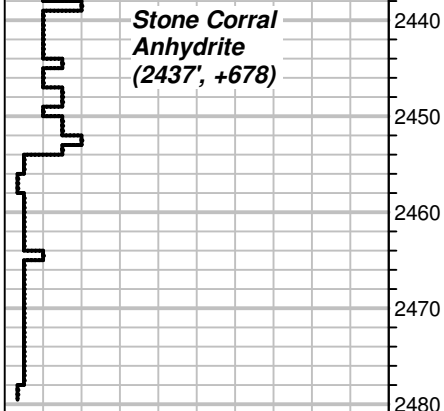
DRILL STEM TESTS

No.	Interval	Formation	Recovery
1	4050-4099	Lansing E/F	63' WCM
2	4495-4540	Ft. Scott - straddle	272' WCM, 63' MCW
3	4136-4180	Lansing H - straddle	346' WCM, 126' MCW

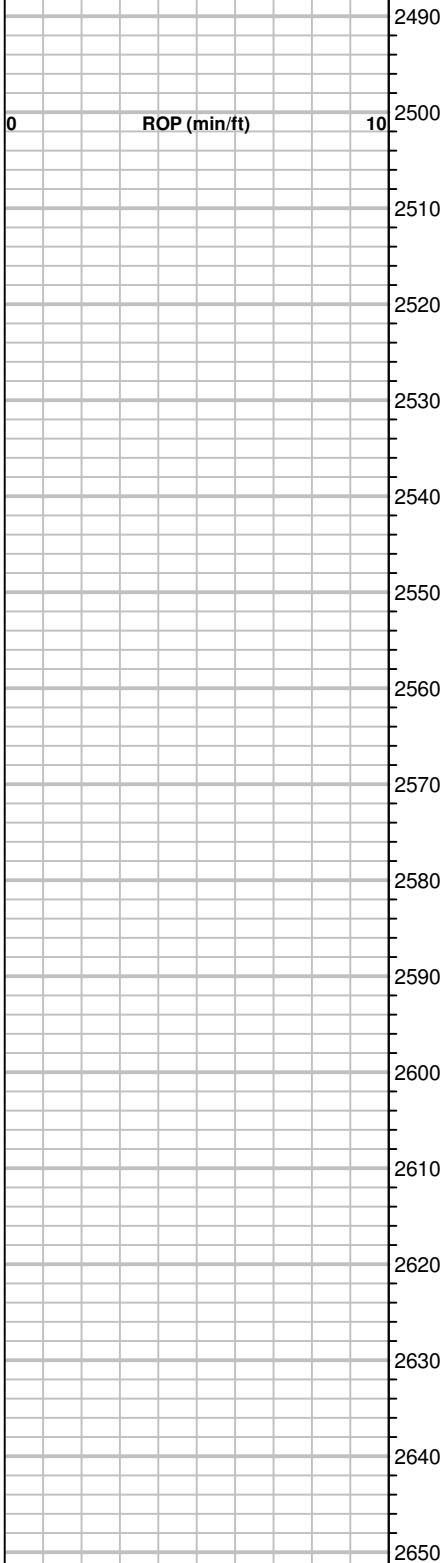
FORMATIONS

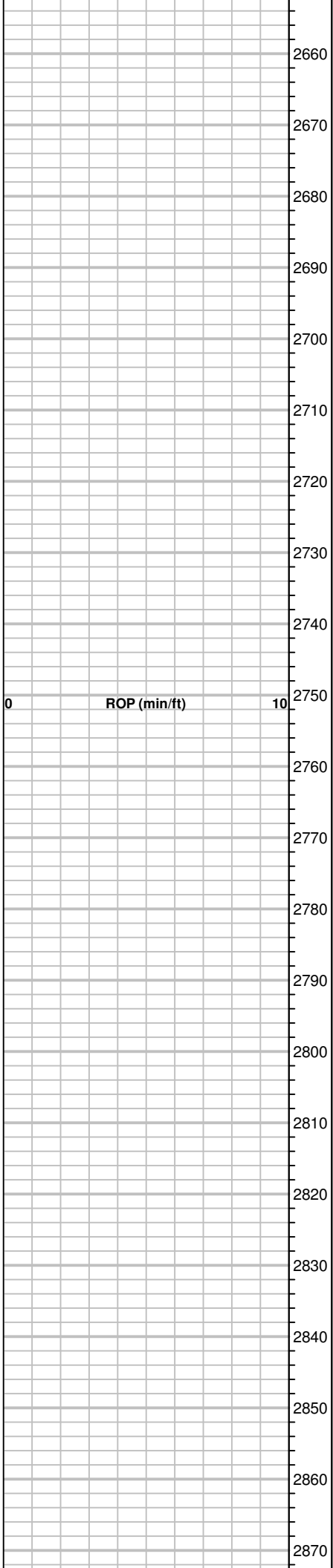
Formation	Depth - Samples	Depth - Logs	Subsea
Stone Corral	2437' (+680)	2436'	+ 681
Foraker	3559' (-442)	3558'	- 441
Topeka	3763' (-646)	3762'	- 645
Oread	3872' (-755)	3872'	- 755
Heebner	3933' (-816)	3932'	- 815
Toronto	3948' (-831)	3946'	- 829
Lansing A	3980' (-863)	3980'	- 863
Lansing C	4016' (-899)	4015'	- 898
Lansing D	4031' (-914)	4036'	- 919
Lansing E	4064' (-947)	4064'	- 947

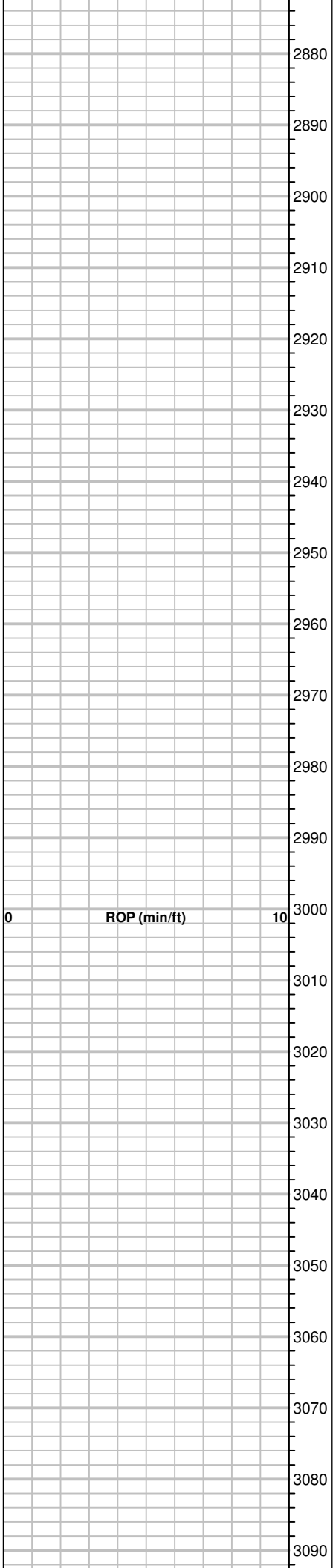
**Stone Corral
Anhydrite
(2437', +678)**

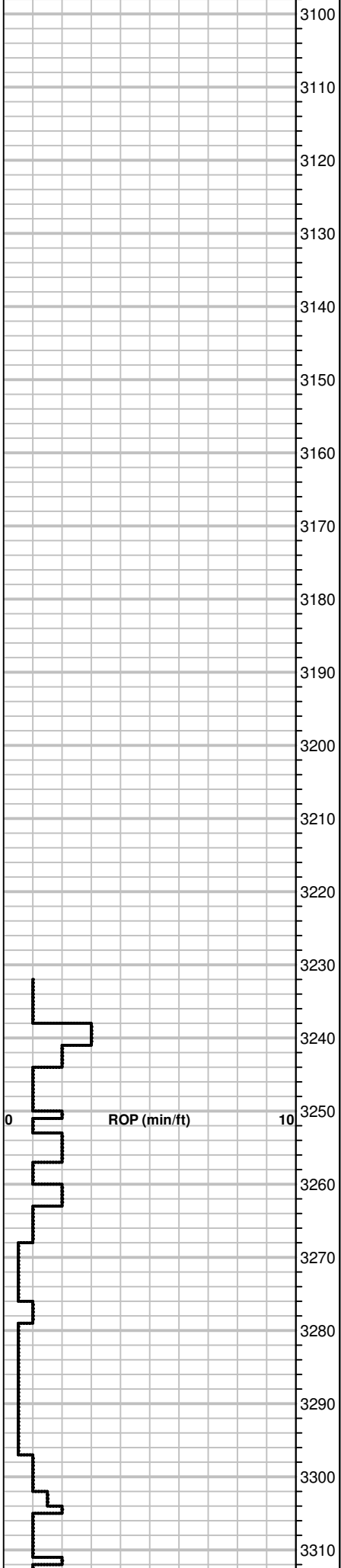


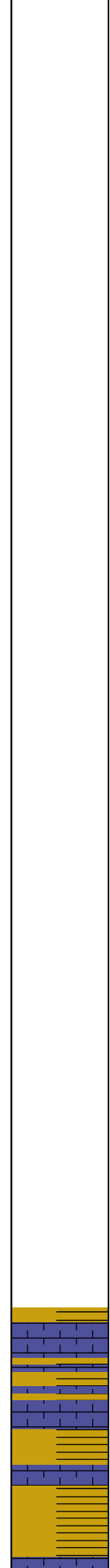
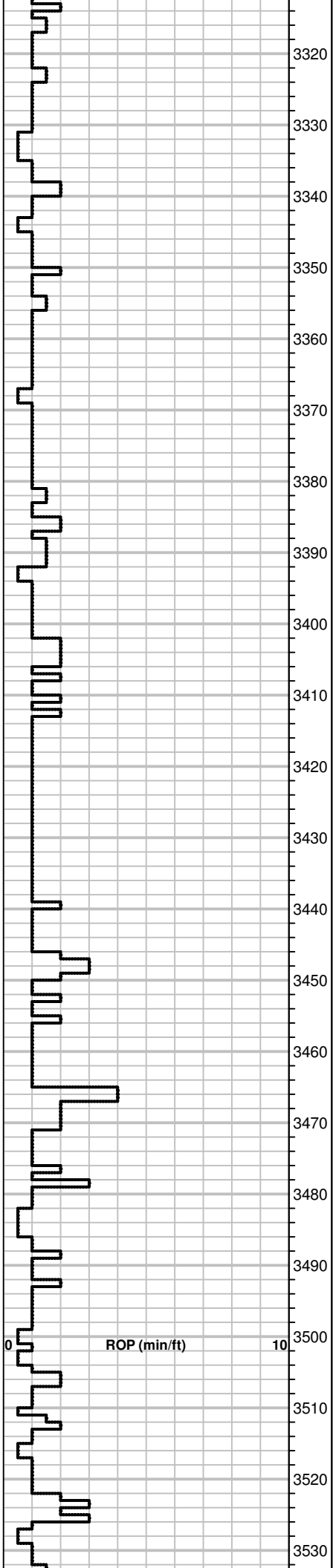
0 ROP (min/ft) 10











3320

3330

3340

3350

3360

3370

3380

3390

3400

3410

3420

3430

3440

3450

3460

3470

3480

3490

3500

3510

3520

3530

ROP (min/ft)

0 10

3495-3507 Sh red, LS lt. - dk gry, very fine xtn, hard, tight, NS

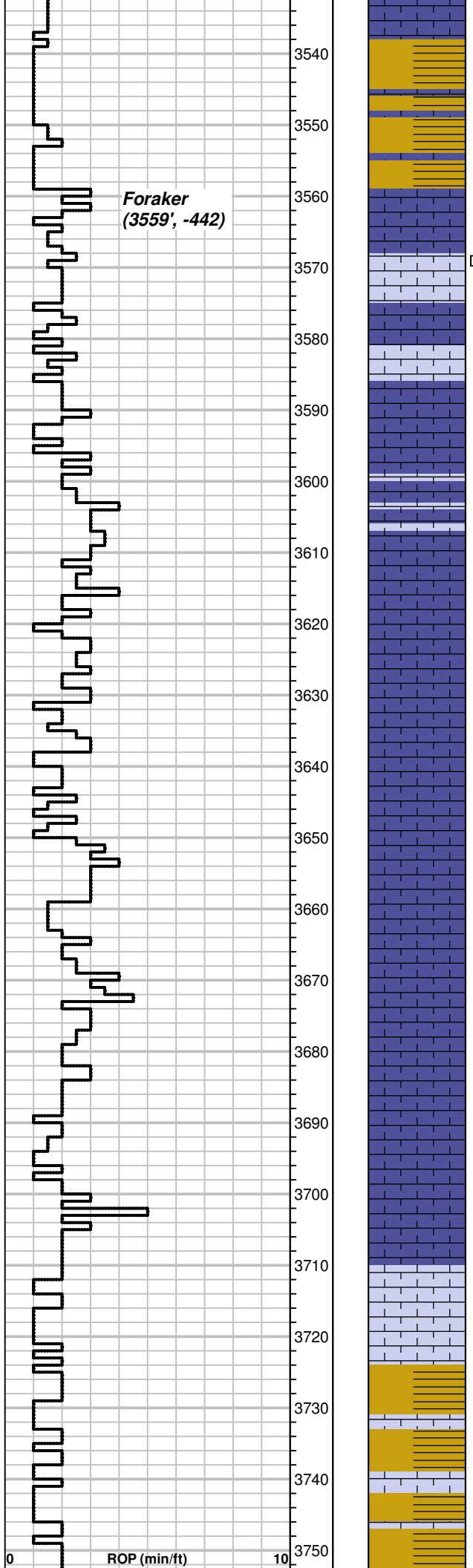
3507-20 Sh red as above, some brwn, LS as above, NS. Some LS tan , medium - coarse xtn, chalky

3520-25 More Sh red, LS brwn, microxtln, hard, tight, NS, Also Sh brwn

Start Mud up @ 3382'

Wt. 8.5
Vis 48
LCM 2 #

Bit Trip @ 3500'
Pipe Strap 1.3' short



Foraker
(3559', -442)

3525-38 Less Sh red. LS lt. brwn, med xtl, hard, tight, NS

3538-53 Lots Sh red, blk. LS dirty, drk gry, med xtl, hard, tight, NS.
Lots microxtln, hard, tight, NS

3553-65 Sh red/blk. LS mix as above

3565-75 Lith change. LS tan fine xtl, friable - hard, poor to no por,
NS. Some chalky pieces tr w/ fossil, med - coarse grnstrn, hard,
tight, NS. **dead bitumen**

3575-86 Quite a bit more LS, tan, mix fine - med xtl, some
microxtln, hard, tight, NS. Tr LS chky white

3586-3602 Good slug LS 75% tray. LS as above, mix. color change,
darker LS, some grk/dk tan. tr fossl/silt clasts

3602-09 As above

3609-19 Mix as above

3619-27 More LS, gry microxtln, hard, tight, no por, NS

3627-36 Mainly LS microxtln as above, NS

3636-51 Big slug LS. LS wt fine xtl, sucrosic, slightly friable - hard,
NS. Mix As above

3651-58 LS wt, fine - med xtl, some microxtln, hard, tight, NS

3658-71 As above

3671-77 Lith change, LS dirty dk gry/blk, microxtln, hard, tight, NS

3677-85 As above

3685-99 LS, lt gry - tan, very fine - med xtl, tight, NS. Sh red

3699-3711 LS gry - wt fine xtl - micro, hard, tight, NS

3711-22 LS lt. gry, foss med grnstrn, tight, no por, NS

3722-30 LS as above, Lots Sh red

3730-46 Less lime, Lots Sh red

3746-54 LS brwn fine xtl, hard, tight, no por, NS Lots Sh red

KS Drilling Technologies
Mud check 6/6/19
Depth: 3550' Btms Up: 31 min
Wt: 8.5 Vis: 46 Filt: 8.0
Cake: 1/32" LCM: 2.5# YP: 15
Chlor: 4000 ppm Grad: 0.442 psi/ft

Wt. 8.7
Vis 42
LCM 2 #

ROP (min/ft)

Topeka
(3763', -646)

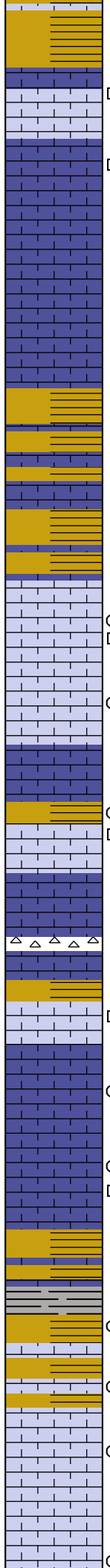
Oread
(3872', -755)

Heebner
(3933', -816)

Toronto
(3948', -831)

CFS - 15/30/45

3760
3770
3780
3790
3800
3810
3820
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3840
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3860
3870
3880
3890
3900
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3920
3930
3940
3950
3960
3970



3754-62 As above, NS

3762-71 Change slug LS lt. brwn, fine - med xtln, grnstrn, no por, NS. one cutting w/ small vug por, dead bitumen, NSFO. LS wt fine grnstrn, poor-fair por, wet

3771-81 Big slug LS (95% of tray). LS lt. gry fine xtln, hard, tight no por, NS. fair amount LS wt chalky soft. LS lt. gry fine grnstrn tr dead bitumen, one cutting w/ tr intrgrnlr por

3781-91 LS as above big slug (90%) LS wt-lt gry, fine - med microxtln, tr chalky, no por, NS

2791-3806 Slug LS (95%) LS wt, chlky soft, NS. Mainly LS lt. gry fine xtln, hard, tight, NS

3806-15 More Sh. LS wt fine xtln, friable, NS. Also lots LS lt gry, fin xtln, hard, tight, NS

3815-26 More Sh, LS as above

3826-32 Lots Sh, very little LS

3832-47 Big slug LS (95% tray), fair amount LS wt med grnstrn, intrgrnlr por, poor - fair por, trace free oil - low grav. mostly dead

3847-58 Few grns as above w/ show

3858-65 LS gray, fine - microxtln, some chlky, hard, tight, NS

3865-70 Sh red 20%, LS wt fine-microxtln, hard, tight, NS. couple pieces like above w/ show. fine grnstrn, fair intrgrnlr por, deader oil stn, no odor

3870-79 LS wt mix, fine xtln - microxtln, med xtln hard, tight, NS. some chlky

3879-89 LS as above cherty

3889-98 more Sh. LS as above but couple pieces as above w/ show - LS wt fine grnstrn, intrgrnlr por, dead oil, SSFO on break

3898-3910 LS wt, microxtln, couple pieces w/ patchy vug, FSFO

3910-25 LS wt - lt gry microxtln, hard, tight, NS. few cuttings w/ poor scattered show, small vugs, some dead oil, couple pieces intrgrnlr por

3925-35 50/50 Sh and LS. LS lt. gry, fine - med xtln, no shows, Sh Heebner blk blocky

3935-42 Lots Sh, one grn LS fine grnstrn, intrgrnlr por, dead oil, tr free oil on break, poor por

3942-51 Lots Sh, two grn LS gry, fine grnstrn, intrgrnlr por, abundant stain, some bleeding oil, FSFO

3951-60 one grn LS, wt, med grnstrn, fair intrgrnlr por, brwn oil stn, GSFO on break Toronto, very spotty shw, poor quality, looks tight, dead, tr free oil, drilling break underwhelming 1.5" vs 2". Only 2 cuttings w/ show

3960-68 No shw in this sample LS as above

3968-70 Same as above

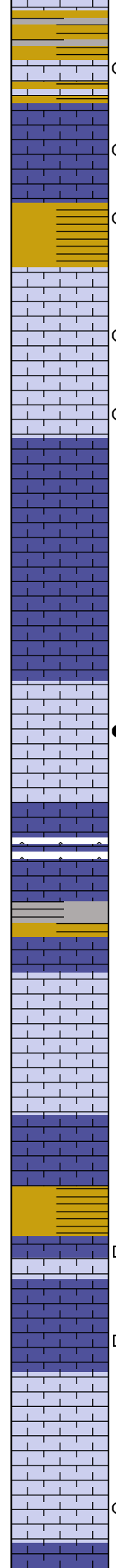
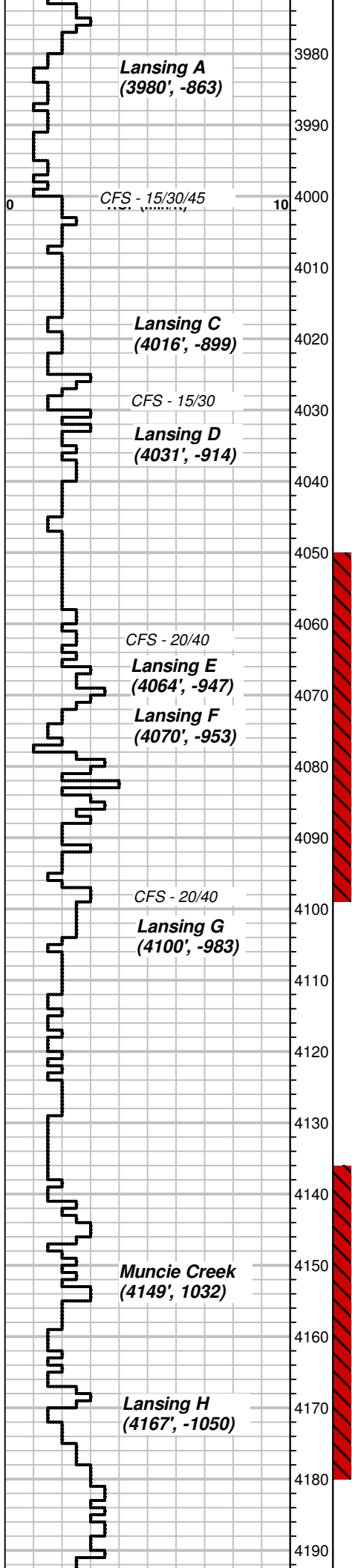
3970-72 Couple pieces LS wt, med grnstrn, good intrgrnlr por, ok stain, FSFO, one grn as above but looks wet, not a lot of cut

Wt: 8.9
Vis 52
LCM 2 #

Topeka.JPG

KS Drilling Technologies
Mud check 6/7/19
Depth: 3804' Btms Up: 33 min
Wt: 9 Vis: 49 Filt: 12.0
Cake: 1/32" LCM: 2# YP: 32
Chlor: 10000 ppm Grad: 0.468 psi/ft

Toronto.JPG



3972-77 LS as above, no show

3977-87 Mostly Sh red, dk gry. Seemed to be poor returns from A zone. only seen a **few grns w/ shw**, very little lime in samples

3987-90 No returns, Sh red 40%

3990-4003 LS wt microxtln - fine xtln, hard, tight, NS. **One grain tight tarry oil, NSFO**

4003-08 Mainly Sh red, One grn w/ pin pt vug porosity, **scattered patchy por, PSFO, live oil?** only one grain.

4008-15 LS lt. brwn, oolite med grnstrn, slightly friable, fair por, NS, wet. **two grns w/ show**

4015-25 Couple grns, med grnstrn, hard, tight, poor por, **FSFO on break**

4025-34 lots LS wt chalky, soft, no perm, NS. One grn LS med grnstrn, **good sat, GSFO**. One grn fine grnstrn, **poor sat - wet**

4034-44 Good slug LS wt microxtln hard, tight, NS. Some soft chlky NS

4044-60 LS as above, NS

4060-65 As above

4065-69 LS wt fine xtln - microxtln, hard, tight, NS

4069-78 LS wt med grnstrn, pin pt vugs and larger vugs **GSFO**, some tighter por to fair por, some vugs in microxtln rock, **good odor, 8-10 grains per tray w/ show**

4078-85 out of shw. LS as above

4085-93 LS wt cherty microxtln, hard, tight, NS

4093-99 LS wt microxtln, hard, tight, no por, NS

4099-4104 Sh dk gry/red, Trace LS lt. tan xtln, hard, no por, NS

4104-11 As above

4111-20 LS lt. tan coarse grnstrn, very hard, no por, NS

4120-34 LS as above, Trace LS lt. tan fine xtln, hard, no por, NS

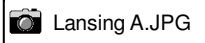
4134-45 As above, also Sh red

4145-53 LS cream fine xtln, very hard, no por, NS. Trace LS gry microxtln, very hard, no por, NS. Some Sh red/dk gry. Sparse LS cream fine grnstrn, poor intrgrn por, some sparse vugs, **trace oil stain, very slight odor, only one cutting in tray w/ show**, NSFO

4153-66 LS lt. gry xtln, very hard, no por. LS as above w/ same **dead oil stain**, looks wet. NSFO

4166-80 LS cream med-fine grnstrn, fair por, slightly friable, NS

4180-89 LS cream grnstrn, no por, hard, NS. LS gry/brwn microxtln, very hard, no por, NS. LS lt. tan fine grnstrn, poor intrgrn por, sparse pinpoint vugs, **FSFO, sparse - no odor**



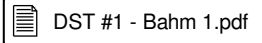
Lansing A.JPG



Lansing C.JPG

DST #1 (4050-4099)
Lansing E/F
30-60-60-120
Recovery: 63' WCM
IF: 18-23 SF: 26-40
Shut Ins: 831/815

30" IF - Built to 2.5"
60" ISI - No blow back
60" FF - Built to 2"
120" FSI - No blow back
Rw: not enough to measure
Chlorides: 14,000 ppm



DST #1 - Bahm 1.pdf



Lansing E.JPG

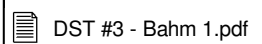


Lansing F.JPG

KS Drilling Technologies
Mud check 6/8/19
 Depth: 4099' Btms Up: 35 min
 Wt: 9.1 Vis: 48 Filt: 12.0
 Cake: 1/32" LCM: 2# YP: 15
 Chlor: 14000 ppm Grad: 0.473 psi/ft

DST #3 (4136-4180)
Lansing H - straddle
60-45-30-45
Recovery: 346' WCM, 126' MCW
IF: 27-172 SF: 174-232
Shut Ins: 1145/1134

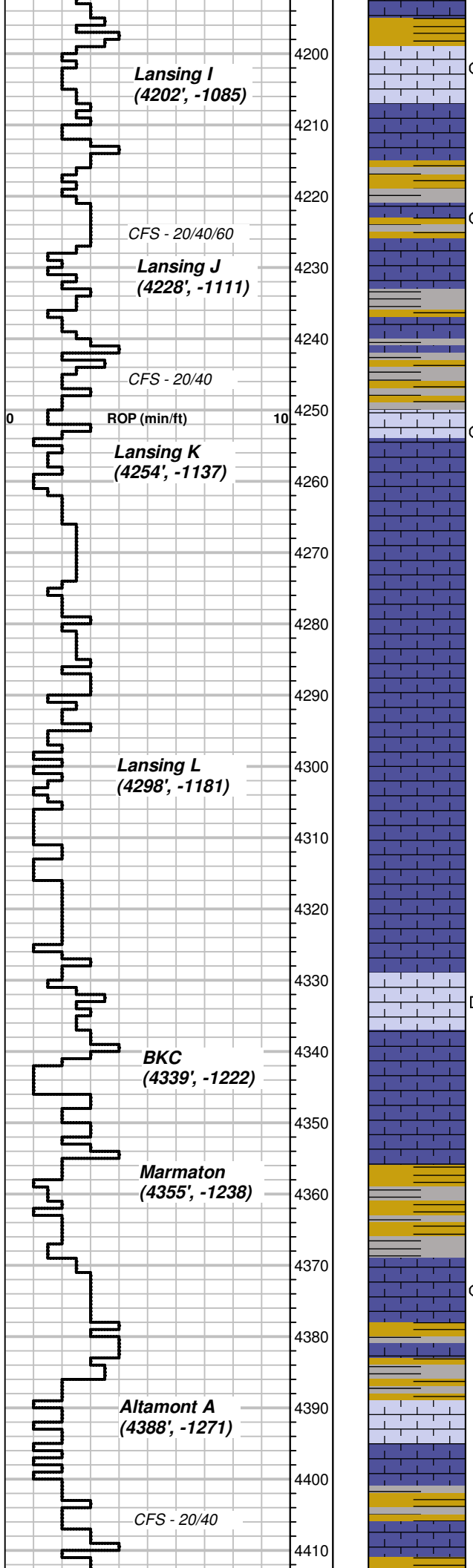
60" IF - BOB 16 min - 31.5" total
45" ISI - No blow back
30" FF - BOB 22 min - 13" total
45 FSI - No blow back
Rw: 0.220 @ 74*, 30,000 ppm



DST #3 - Bahm 1.pdf



Lansing H.JPG



4189-97 LS lt. gry fine xtln, hard, no por, NS. Some Sh red, brwn

4197-4207 LS lt. gry med grnstrn, slightly friable, fair intrgrnlr por, **fair oil show, minimal free oil when crushed, good saturation throughout pores, slight odor, only a few cuttings w/ show,** tight

4207-13 LS gry/brwn coarse xtln, very hard, no por, NS. **Very few grns as above w/ shw**

4213-20 LS wt xtln, hard, no por, NS. Sh red some Sh dk gry

4220-25 LS lt. tan wt xtln, hard, no por, NS. LS cream fine grnstrn, very friable, fair intrgrnlr por, **FSFO when crushed, sparse cuttings w/ show,** no odor or cut

4225-28 LS gry xtln, hard, no por, NS. Sh red and dk gry

4228-32 LS wt fine xtln, very friable, no por, NS

4232-39 LS gry xtln, very hard, no por, NS. Sh red/dk gry

4239-45 Mostly Sh red/brwn/gry. Some LS lt. gry/wt microxtln, hard, no por, NS

4245-48 LS cream fine xtln and micro xtln, very hard, no por, NS

4248-53 LS lt. gry grnstrn, prtly rextlzd, hard, poor por, tight, **trace free oil when crushed, oil stain in pores, slight odor - sparse show.** Mostly LS lt gry microxtln, very hard, no por, NS

4253-66 LS microxtln as above. LS cream xtln, hard, no por, NS

4266-77 LS very fine xtln, some chlky, friable, no eff. por, NS. Also LS gry coarse xtln and microxtln, very hard, no por, NS

4277-85 LS gry coarse xtln, very hard, no por, NS

4285-90 As above

4290-98 Transition to LS wt fine xtln, chlky, friable, no por, NS. Chalky clay all over cuttings

4298-4312 As above, also LS med xtln and xtln, slightly friable, no por, NS

4312-28 LS lt. gry microxtln, hard, no por, NS

4328-36 Mostly LS as above, Trace LS gry grnstrn, very hard, very poor por, **some dead bitumen,** NSFO

4336-46 LS gry xtln, dirty, very hard, no por, NS

4346-53 As above, Also LS gry coarse xtln, very hard, no por, NS

4353-70 As above, Also Sh red/dk gry and lt. gry clay globs

4370-79 LS gry xtln, hard, no por, NS. Lt. gry clay globs. One cutting LS lt. gry grnstrn, hard, poor, por, **PSFO, one micro oil drop in cup.** Show too sparse to test.

4379-83 Mostly Sh red/brwn, Trace LS gry/brwn med xtln - dirty, very hard, no por, NS

4383-88 As above, More Sh red/brwn/dk gry than above

4388-99 Sh red/dk gry. Trace LS lt. tan med grnstrn, prtly rextlzd, hard, no por, NS

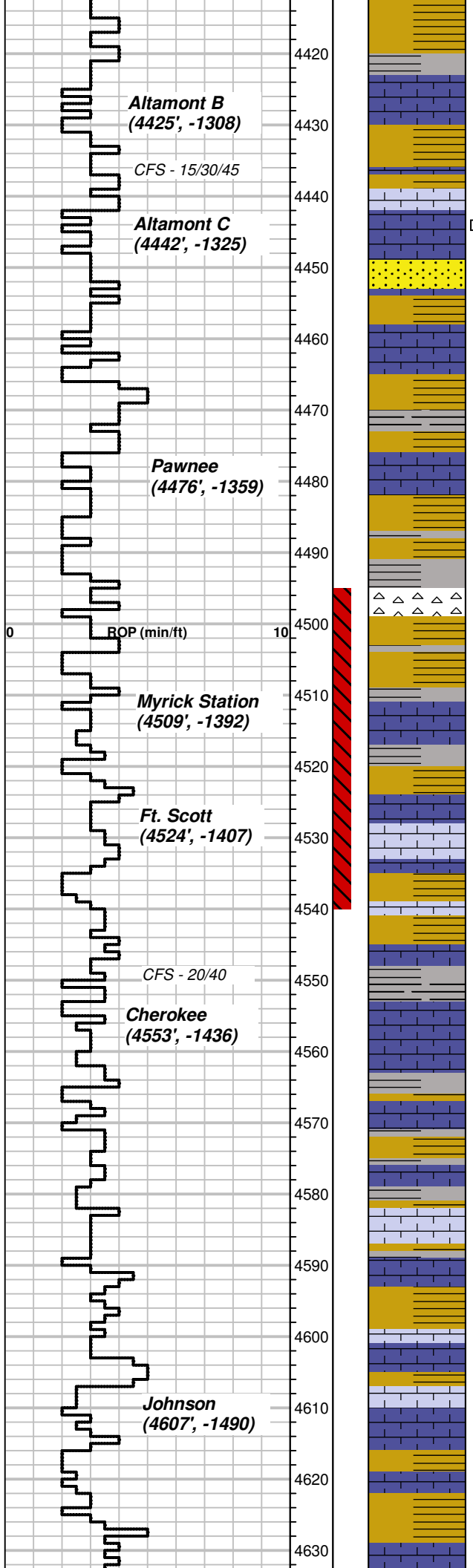
4399-06 LS gry coarse xtln, very hard, no por, NS. Trace Sh as above.

Lansing I.JPG

Wt. 9.1
Vis 39
LCM 2 #

Wt. 9.1
Vis 43
LCM 2 #

Marmaton Upper.JPG



4406-18 LS wt xtltn, slightly friable, poor por, NS, 50/50 Sh red

4418-27 75% Sh red/grn, LS gry xtltn, very hard, no por, NS

4427-34 50/50 Sh red/dk gry, LS gry xtltn, very hard, no por, NS

4434-39 90% Sh red, some dk gry, Trace LS lt. tan xtltn, very hard, no por, NS

4439-49 Increasing amt of Lime, as above. One cutting LS lt. gry fine grnstrn, no intrgnrlr po, sparse pinpoint vuqs w/ oil stain, NSFO

4449-60 LS lt. gry med-coarse xtltn, very hard, no por, NS. SS opaque grains w/ red clay matrix, no perm, very hard, NS. Trace Sh red/brwn

4460-69 LS lt. gry microxtln and med xtltn, hard, no por, NS Sh red/brwn

4469-77 Mostly Sh red/brwn, Sh dk blk. Tr LS brwn/gry xtltn - dirty, very hard, no por, NS

4477-88 Less Sh than above, Still 90% Sh red, Some LS lt. gry - lt tan microxtln, very hard, no por, NS

4488-99 All Sh red and blk, some chert opaque/orange

4499-4508 All Sh red, dk gry, poor returns, hardly any sample in box

4508-19 Mostly Sh red/brwn. Some LS gry microxtln, very hard, no por, NS

4519-29 LS cream xtltn, very hard, no por, NS. Large vuqs, some discolored and some clean, looks tumbled, no oil stain or shw - wet. Tr LS lt. tan oolitic grnstrn, no por, hard, NS.

4529-39 LS as above, NS. Sh red, big cuttings, some Sh dk gry

4539-45 LS gry oolitic and fossiliferous grnstrn rextlzd, very hard, no por, NS. Less Sh red than above

4545-50 LS dk gry xtltn, very hard, no por, NS. Tr wt, very fine xtltn, friable, no perm, NS

4550-58 Sh blk carb., above Cherokee? Sh red, LS gry xtltn from above. LS lt. tan very fine xtltn, very hard, large intrcnctd vuqs, off color - doesn't look oil stained, NSFO when crushed, could be contamination from Ft. Scott - looks similar

4558-69 50/50 Shale red/dk gry, LS gry xtltn, very hard, no por, NS

4569-78 As above, LS lt. gry xtltn, slightly friable, no por, NS

4578-91 Mostly all Sh red/dk gry, very few cuttings. LS lt. tan grnstrn, slightly friable, fair por, NS

4591-4600 LS lt. gry microxtln, very hard, no por, NS. Mostly Sh red/dk gry

4600-07 LS lt. gry fine - med xtltn, hard, no por, NS. Trace LS lt. tan fine grnstrn, slightly friable, fair por, NS - looks wet

4607-12 LS as above. Some Sh red

4612-20 Sh red/brwn/purple

4620-25 As above

4625-31 Mostly Sh red/brwn/gry. Trace LS lt. gry xtltn, very hard, no por, NS

KS Drilling Technologies
Mud check 6/9/19
 Depth: 4440' Btms Up: 37 min
 Wt: 9.5 Vis: 46 Filt: 13.0
 Cake: 1/32" LCM: 1.5# YP: 15
 Chlor:13000 ppm Grad: 0.494 psi/ft

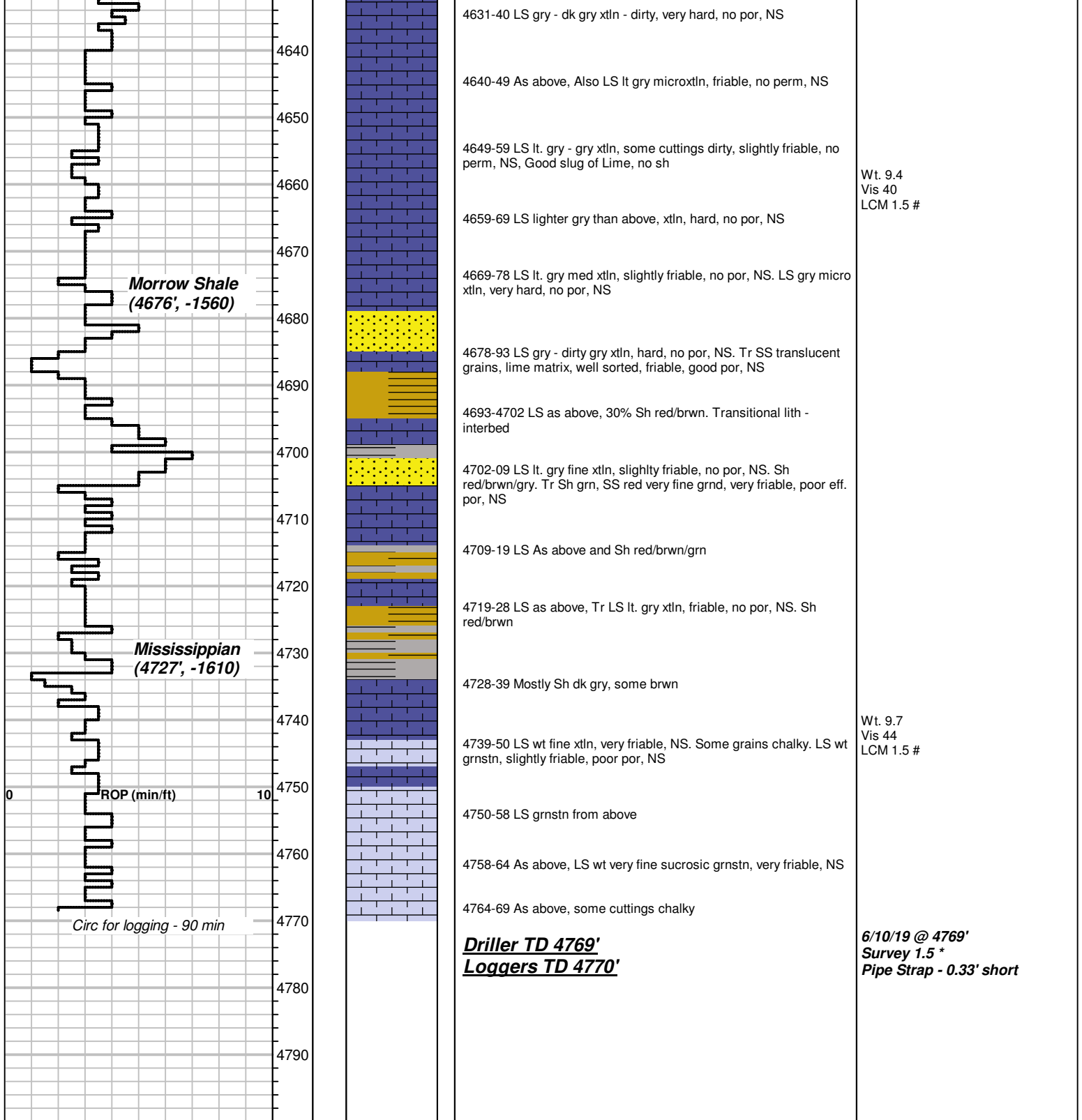
** Returns are poor, lots of shale and LS fines, low volume - working on problem*

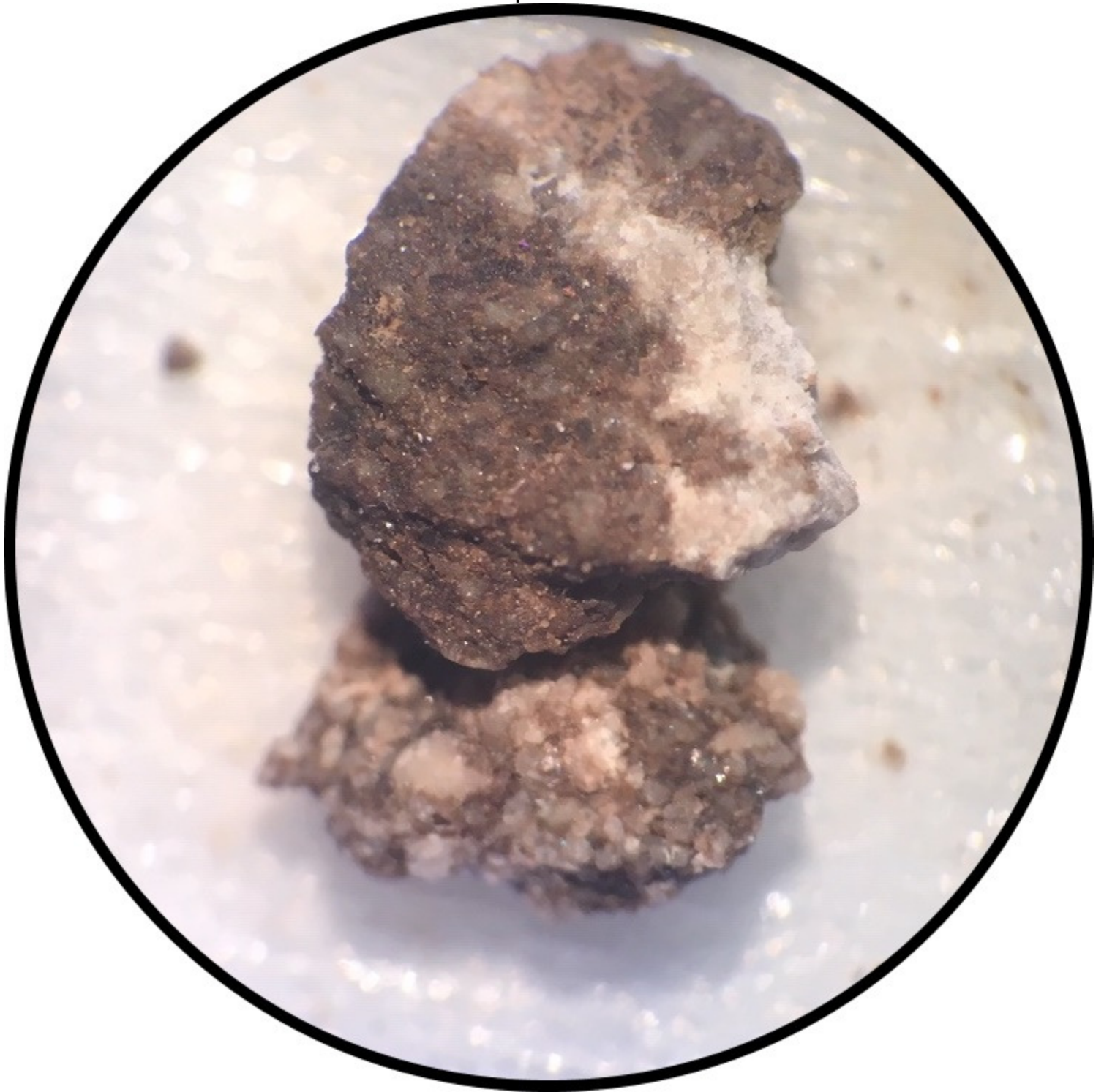
DST #2 (4495-4540)
Ft. Scott - straddle
60-45-60-45
Recovery: 272' WCM, 63' MCW
IF: 24-107 SF: 110-177
Shut Ins: 1232/1071

60" IF - BOB 30 min - 17" total
45" ISI - No blow back
60" FF - BOB 48 min - 12" total
45" FSI - No blow back
Rw: 0.230 @ 55, 40,000 ppm*

DST #2 - Bahm 1.pdf

** Better samples - most of samples are going over collection box. Hung bucket at the overflow point to collect which improved sample volume. Still have a lot of fines. Adjusted mud.*

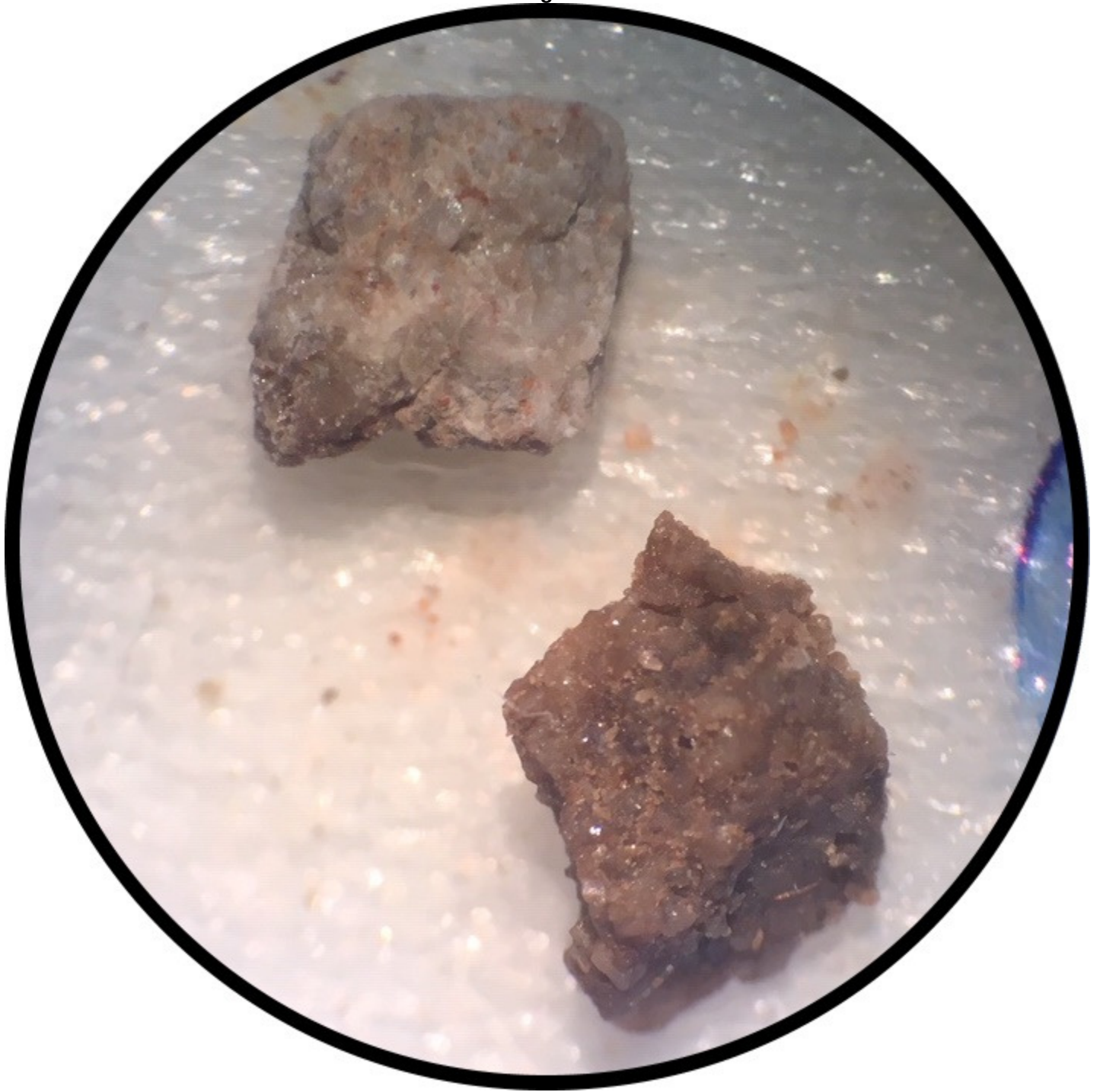


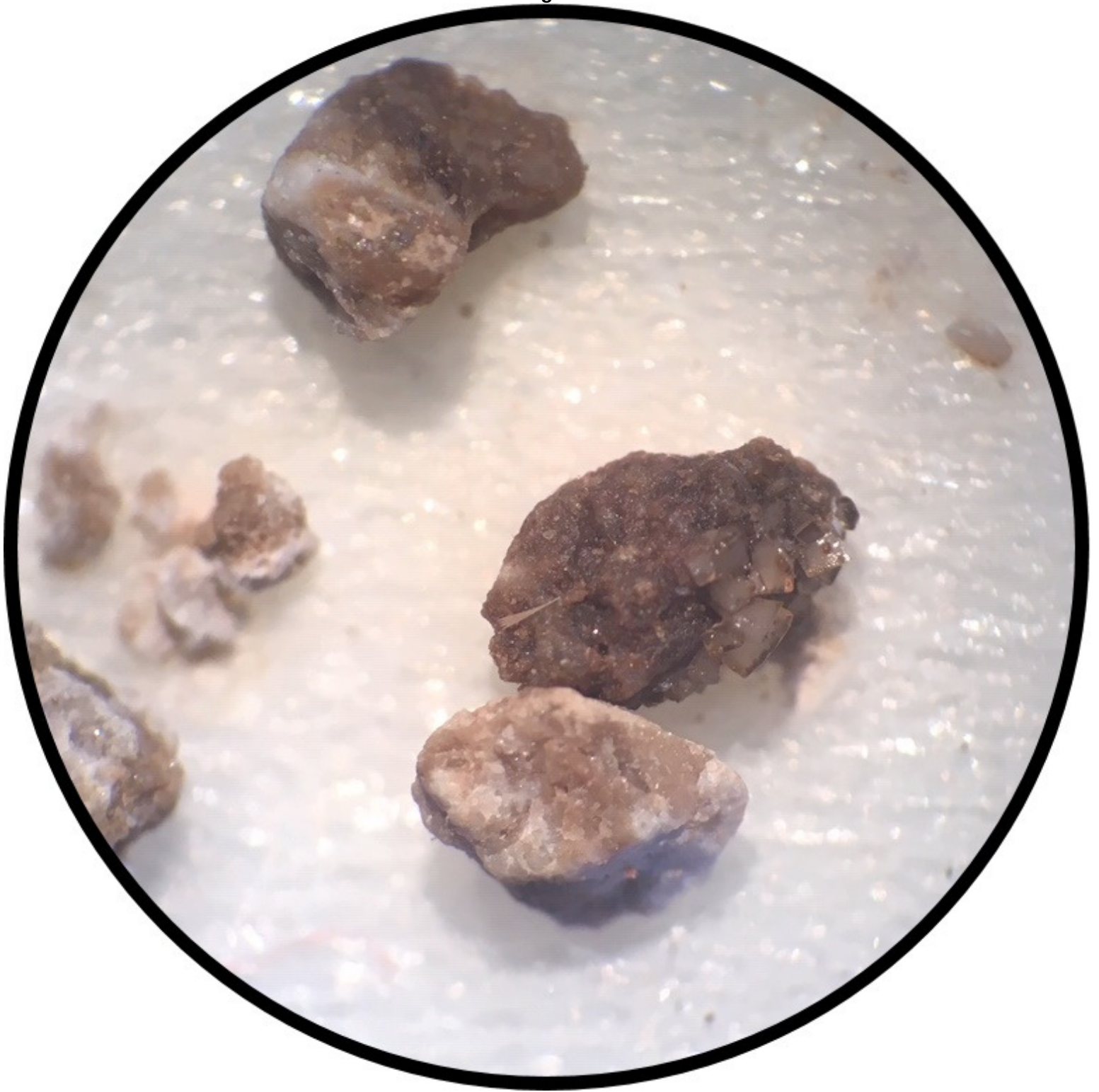






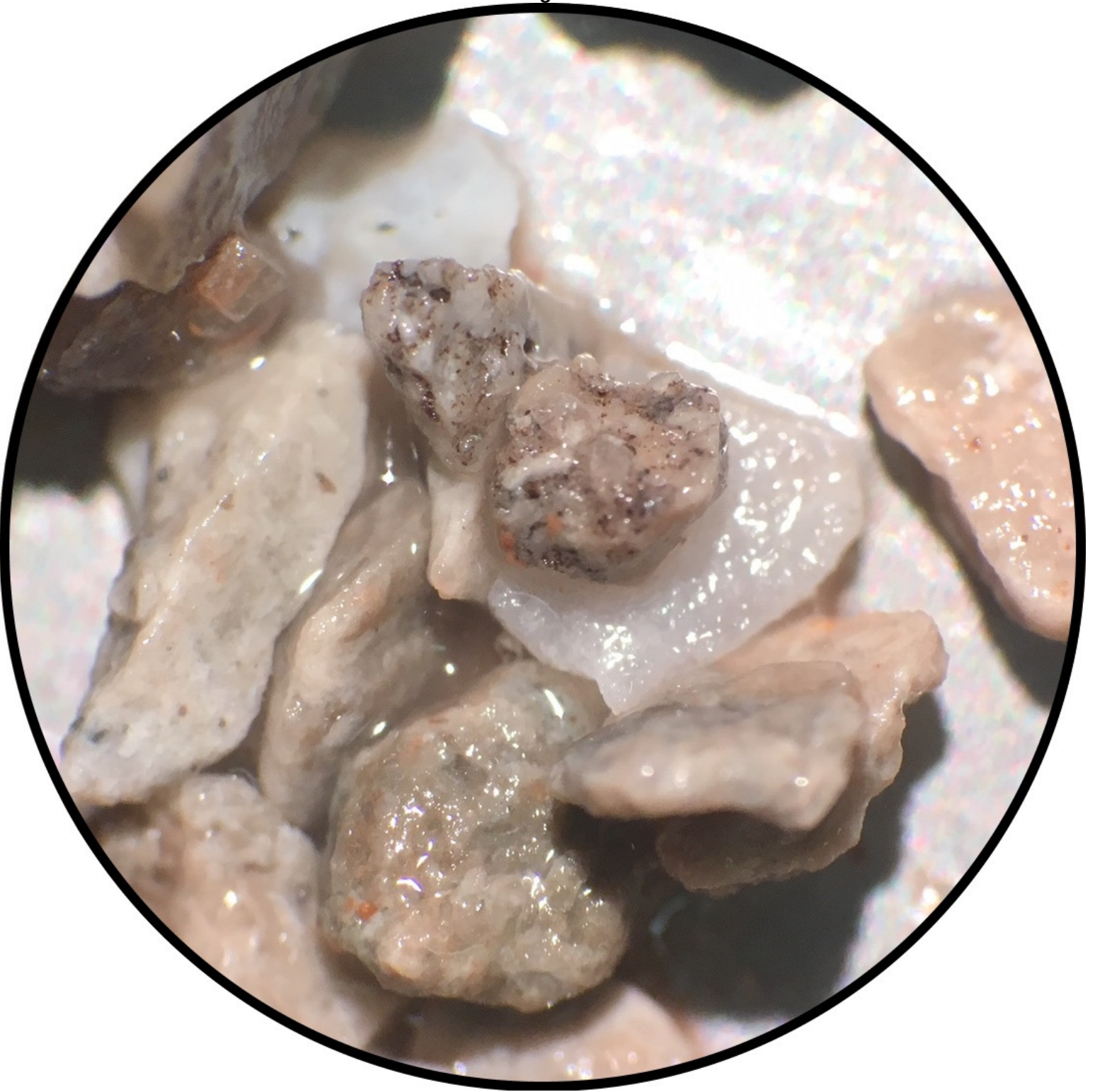
Lansing C.JPG



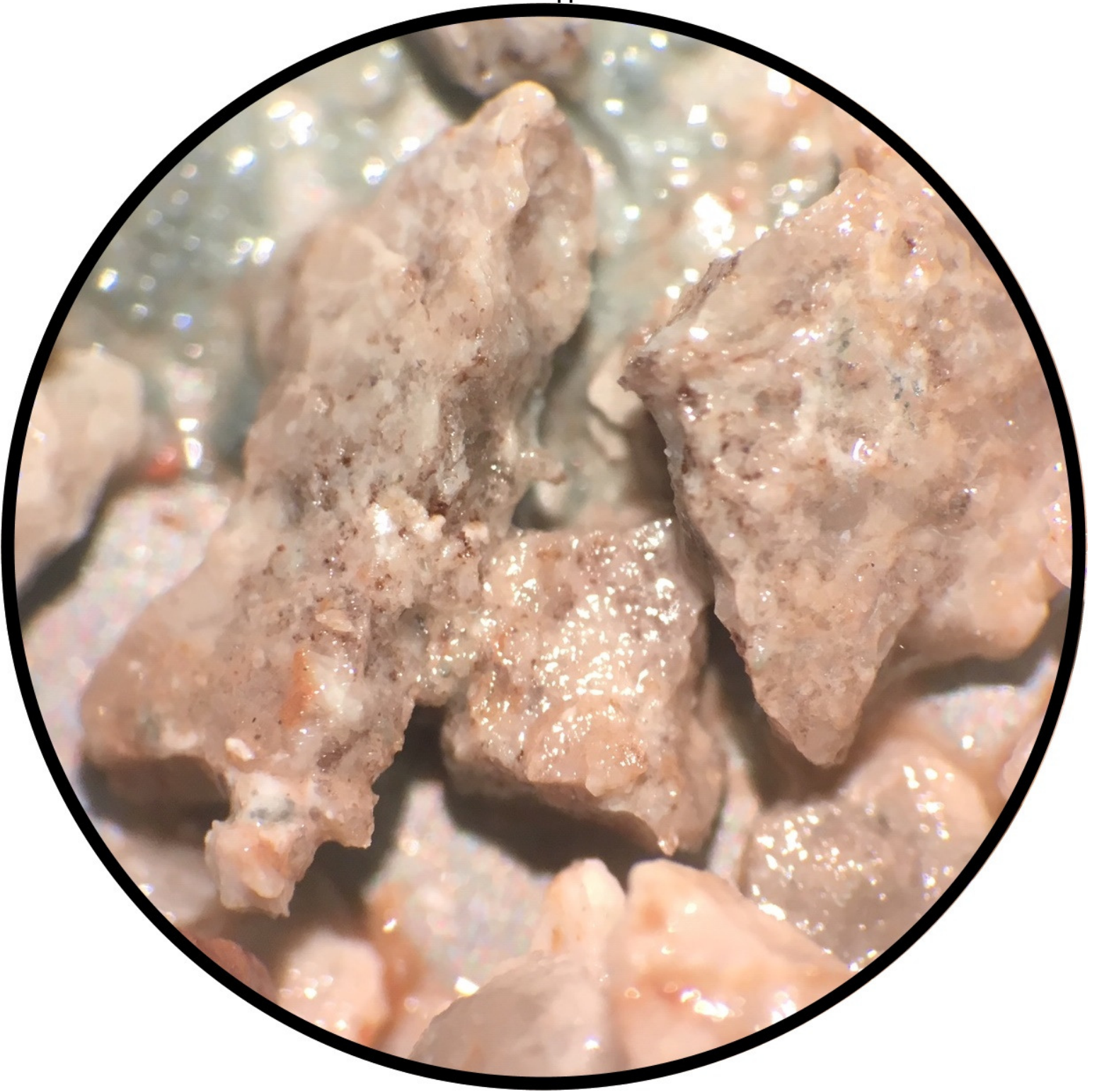


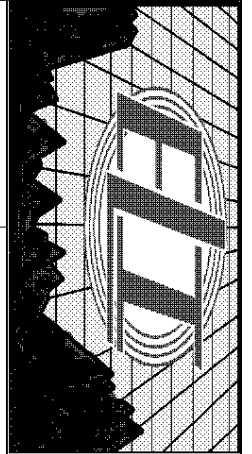






Marmaton Upper.JPG





MICRO LOG

Company DAVIDSON OIL AND GAS, LLC.
Well BAHM #1
Field AMERICAN BEAUTY
County WICHITA
State KANSAS

Company DAVIDSON OIL AND GAS, LLC.
Well BAHM #1
Field AMERICAN BEAUTY
County WICHITA State KANSAS

Location: API #: 15-203-20352-0000
67'1' FNL & 929' FEL
NE - SW - NE - NE
SEC 2 TWP 16S RGE 35W
Permanent Datum GROUND LEVEL Elevation 3110
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services CDL/CNL DIL
Elevation KB. 3115
DF. 3113
GL. 3110

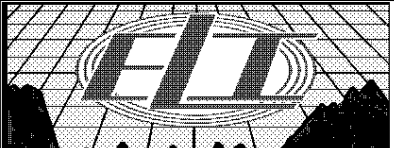
Table with 2 columns: Log Parameter and Value. Parameters include Date (6/10/19), Run Number (TWO), Depth Driller (4769), Depth Logger (4770), Bottom Logged Interval (4768), Top Log Interval (3500), Casing Driller (8 5/8" @ 220'), Casing Logger (220), Bit Size (7 7/8"), Type Fluid in Hole (CHEMICAL MUD), Density / Viscosity (9.5/40), pH / Fluid Loss (9.2/13.0), Source of Sample (FLOWLINE), Rim @ Meas. Temp (.280 @ 90F), Rmt @ Meas. Temp (.210 @ 90F), Rmc @ Meas. Temp (.336 @ 90F), Source of Rmf / Rmc (MEASUREMENT), Rim @ BHT (.205 @ 123F), Time Circulation Stopped (4.5 HOURS), Time Logger on Bottom (5:00 P.M.), Maximum Recorded Temperature (123F), Equipment Number (922339), Location (HAYS, KANSAS), Recorded By (JEFF LUEBBERS), Witnessed By (MAXWELL LaFCN, JERRY GREEN).

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

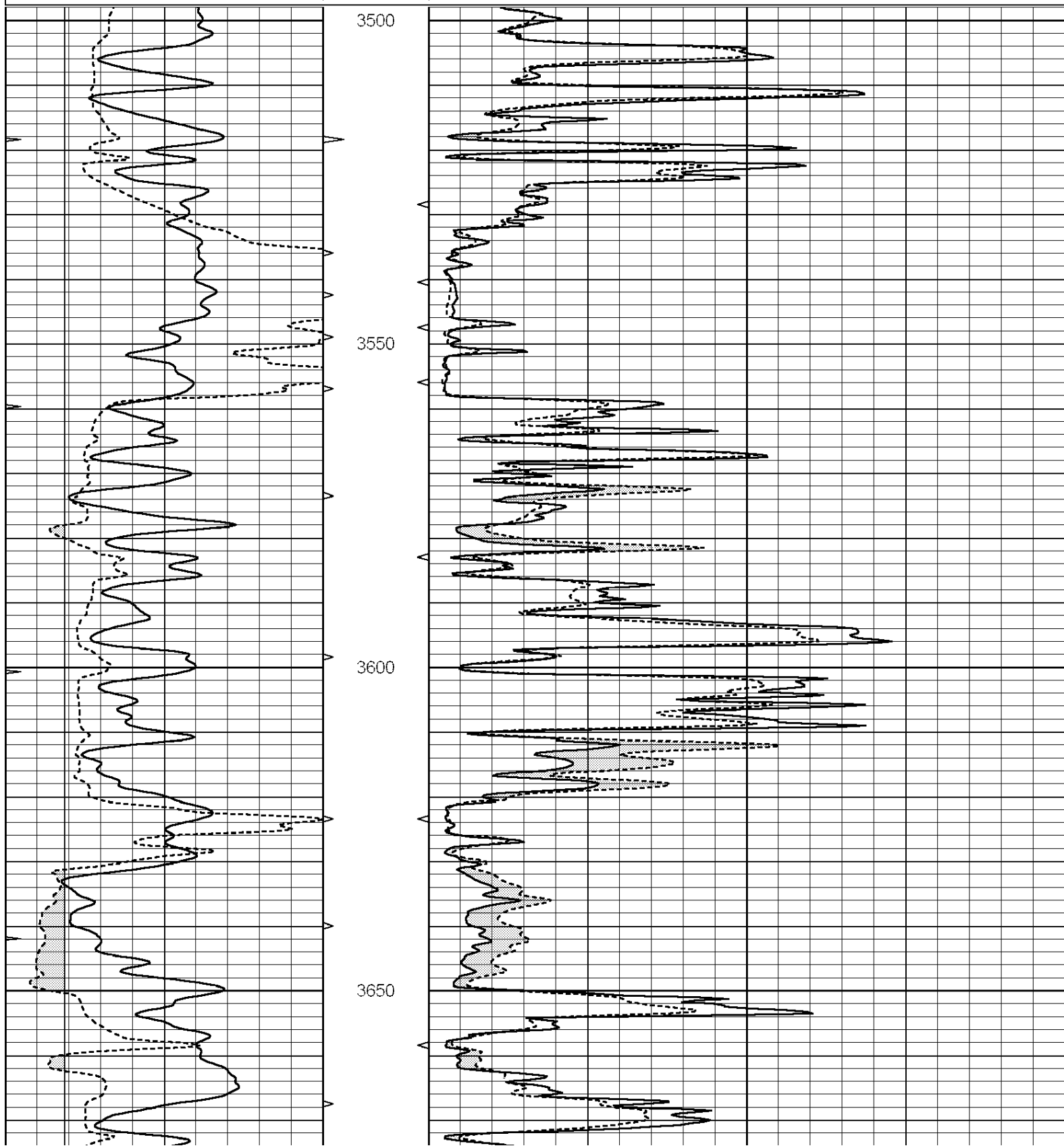
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
PENCE, KS., 5W. TO "RD. 23", 3N., W. INTO GATE

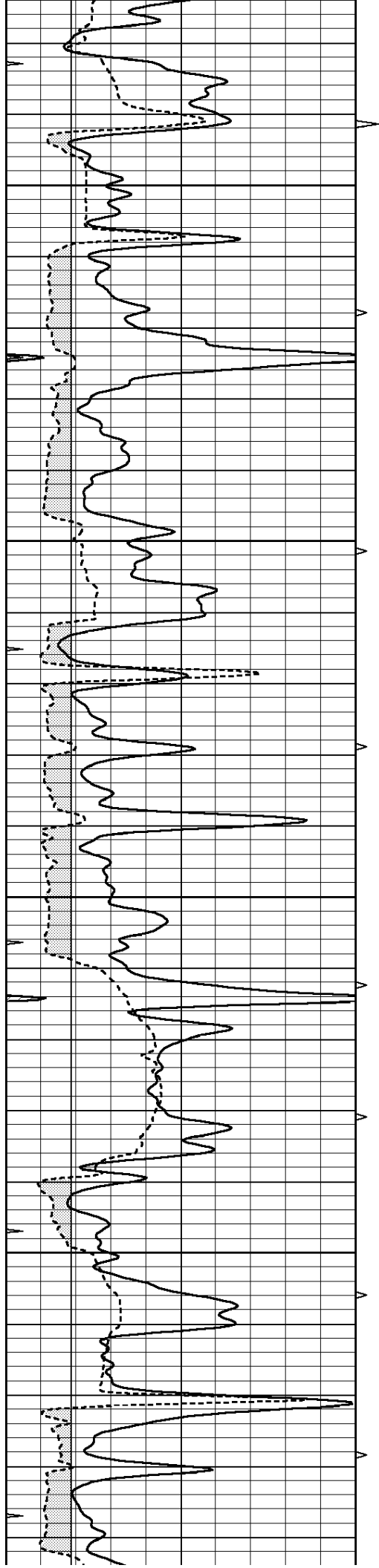


MAIN SECTION

Database File: 3729ddn.db
 Dataset Pathname: pass6.5
 Presentation Format: micro
 Dataset Creation: Tue Jun 11 18:07:02 2019
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



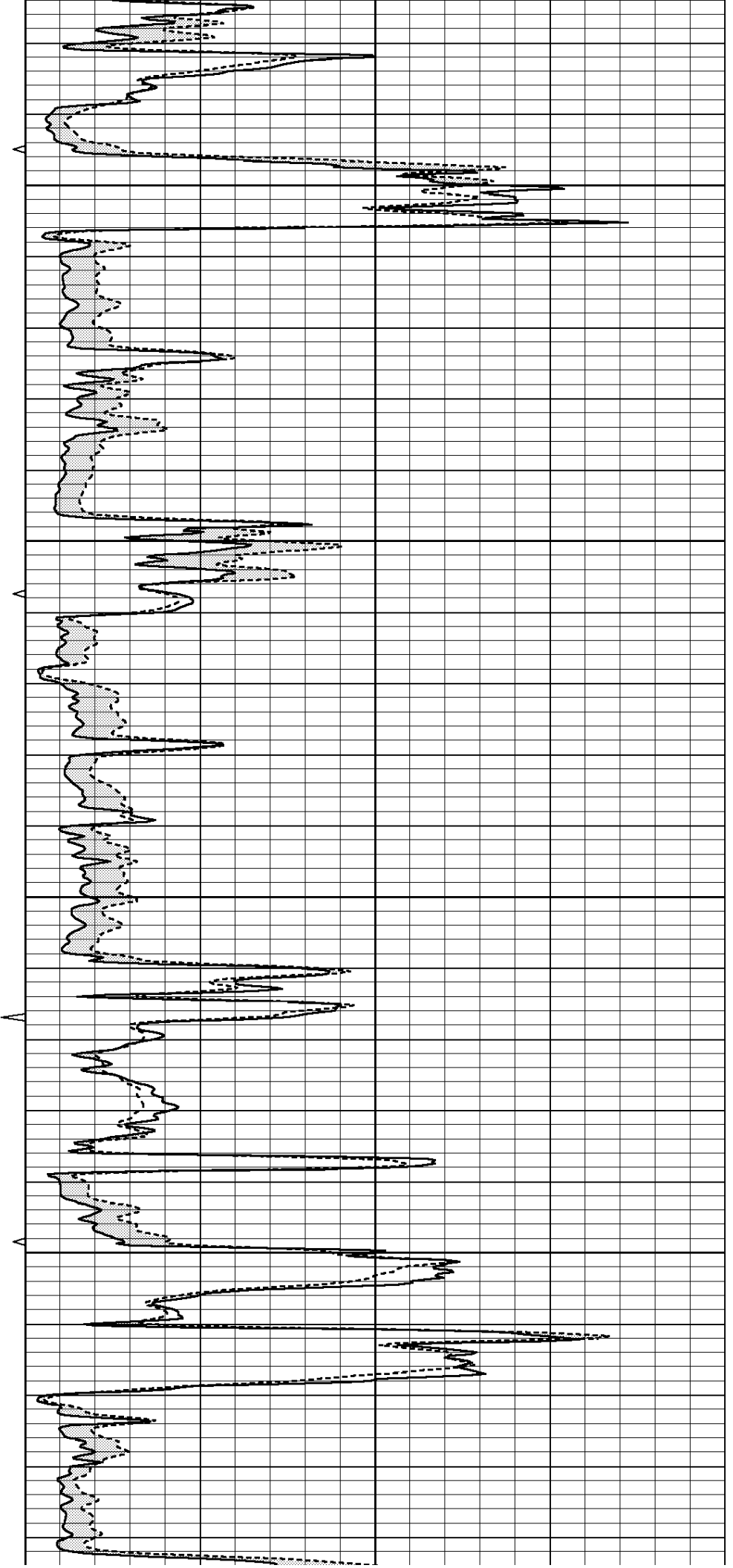


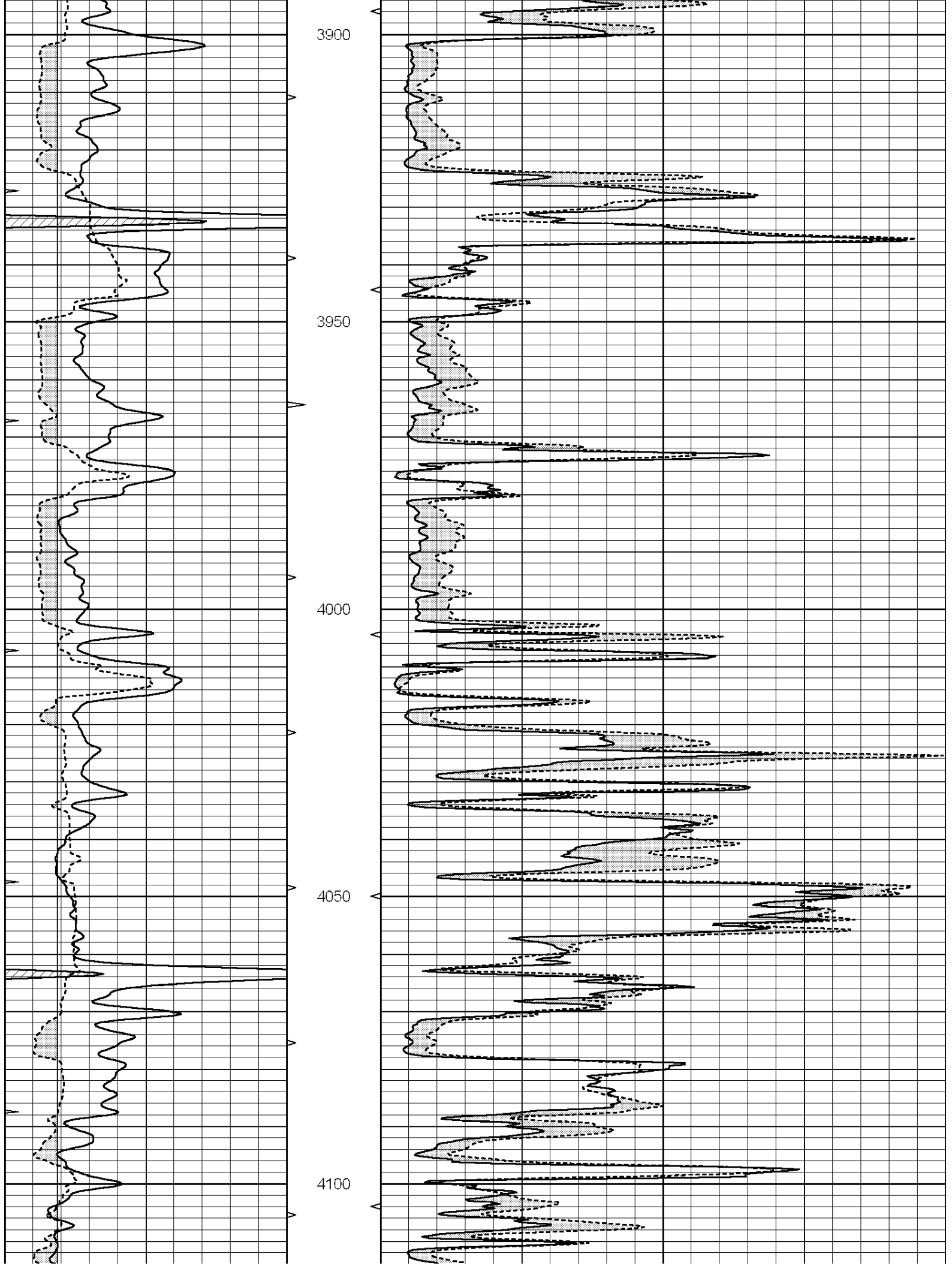
3700

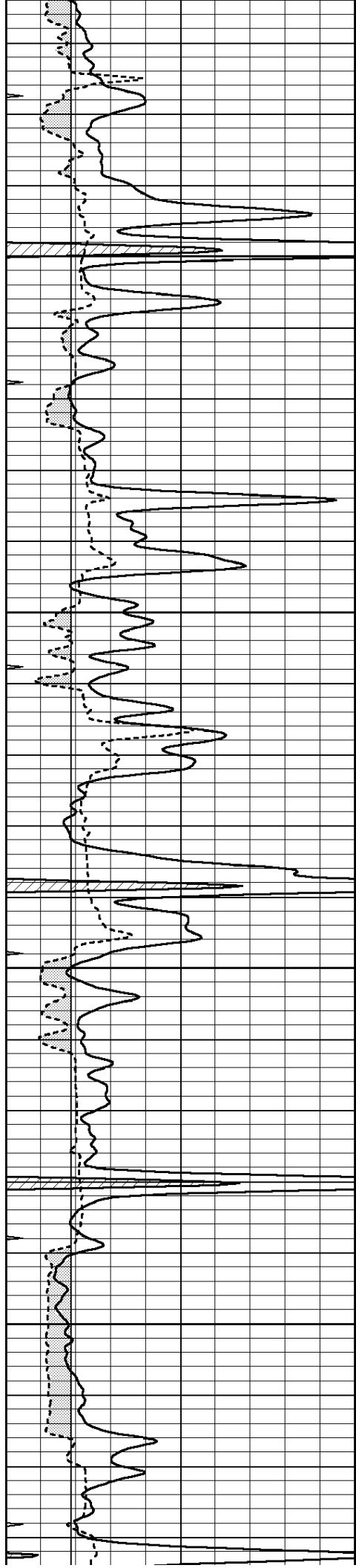
3750

3800

3850





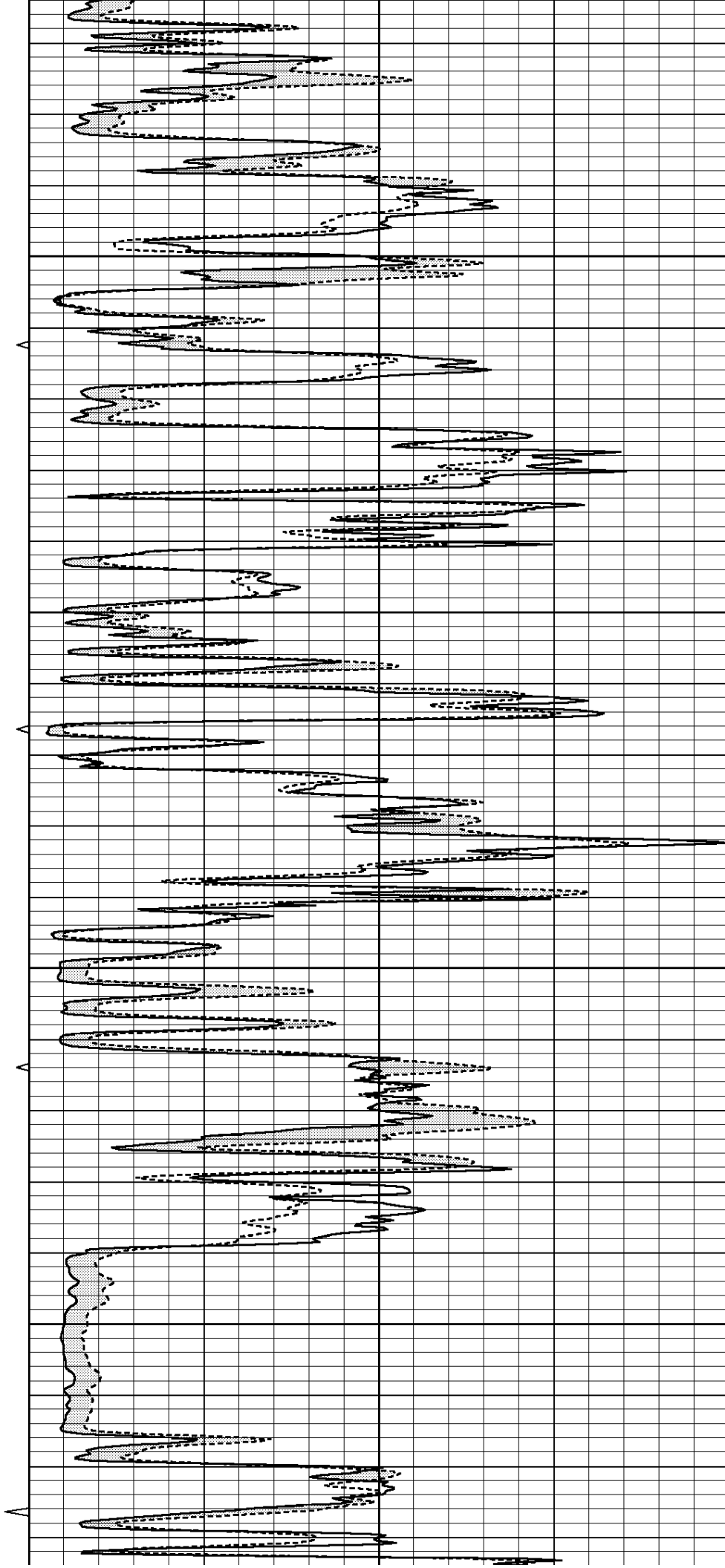


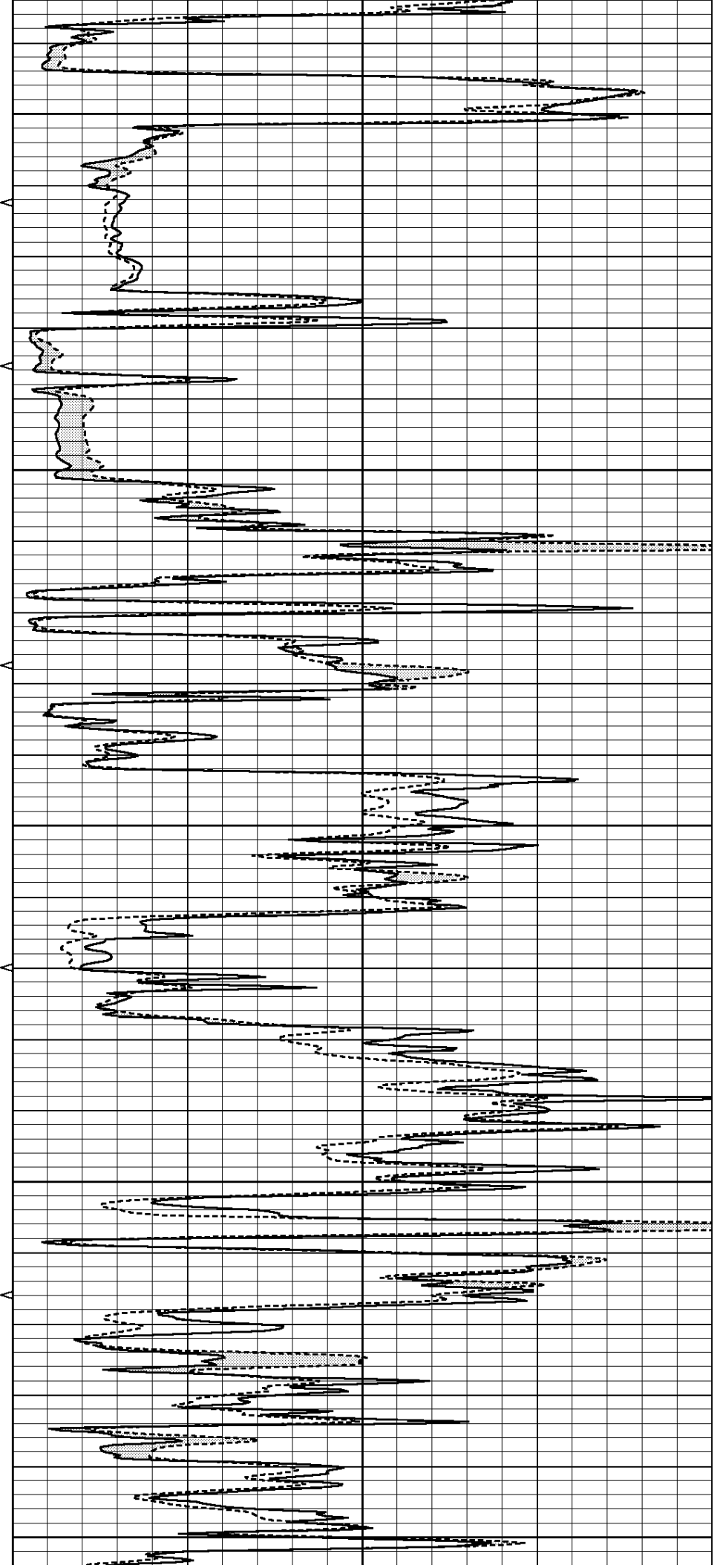
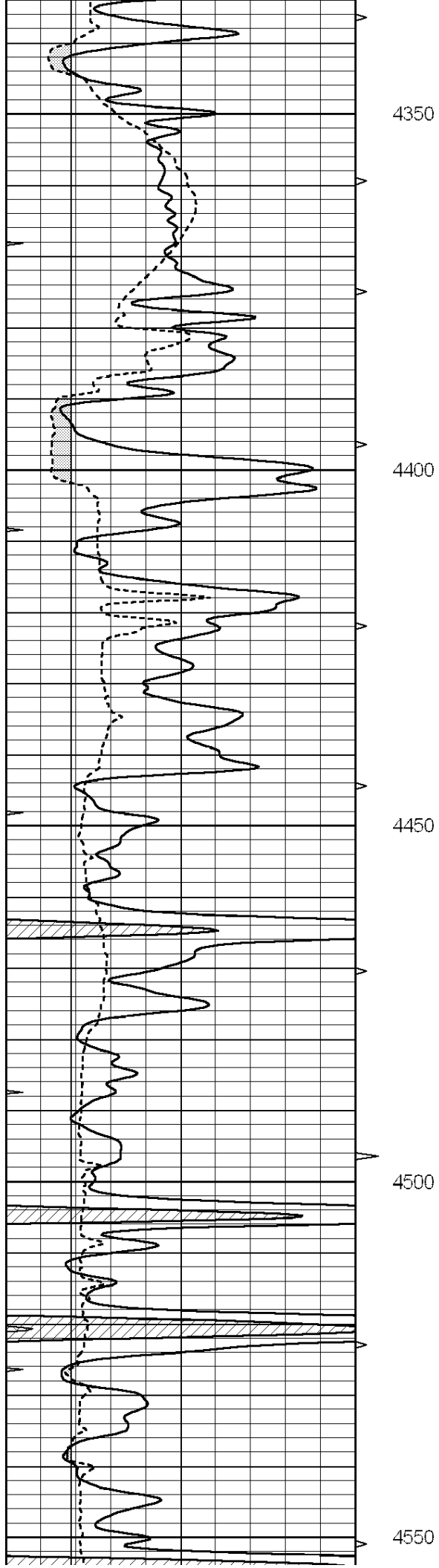
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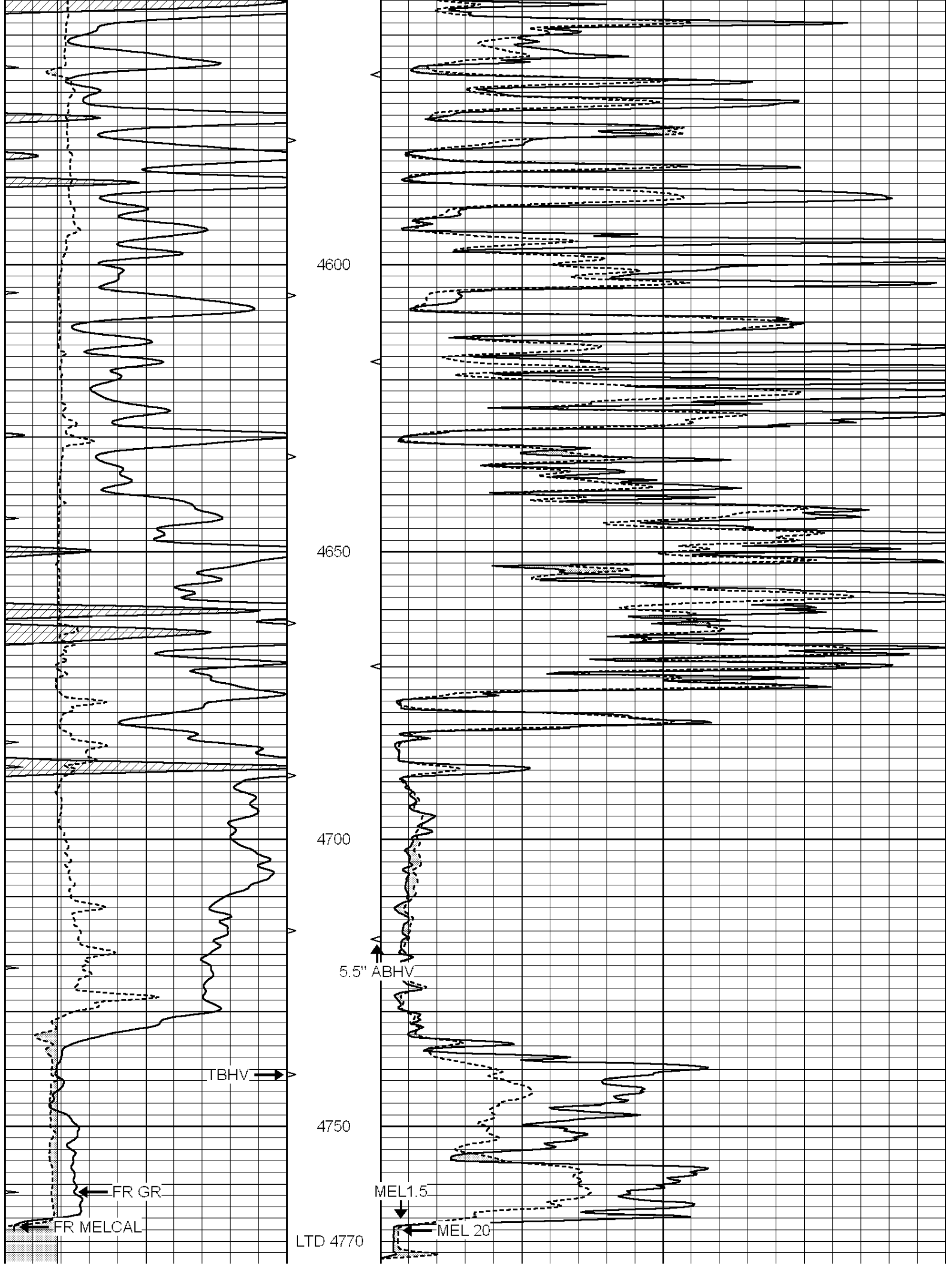
4200

4250

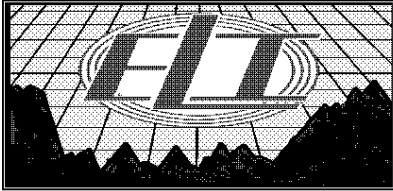
4300







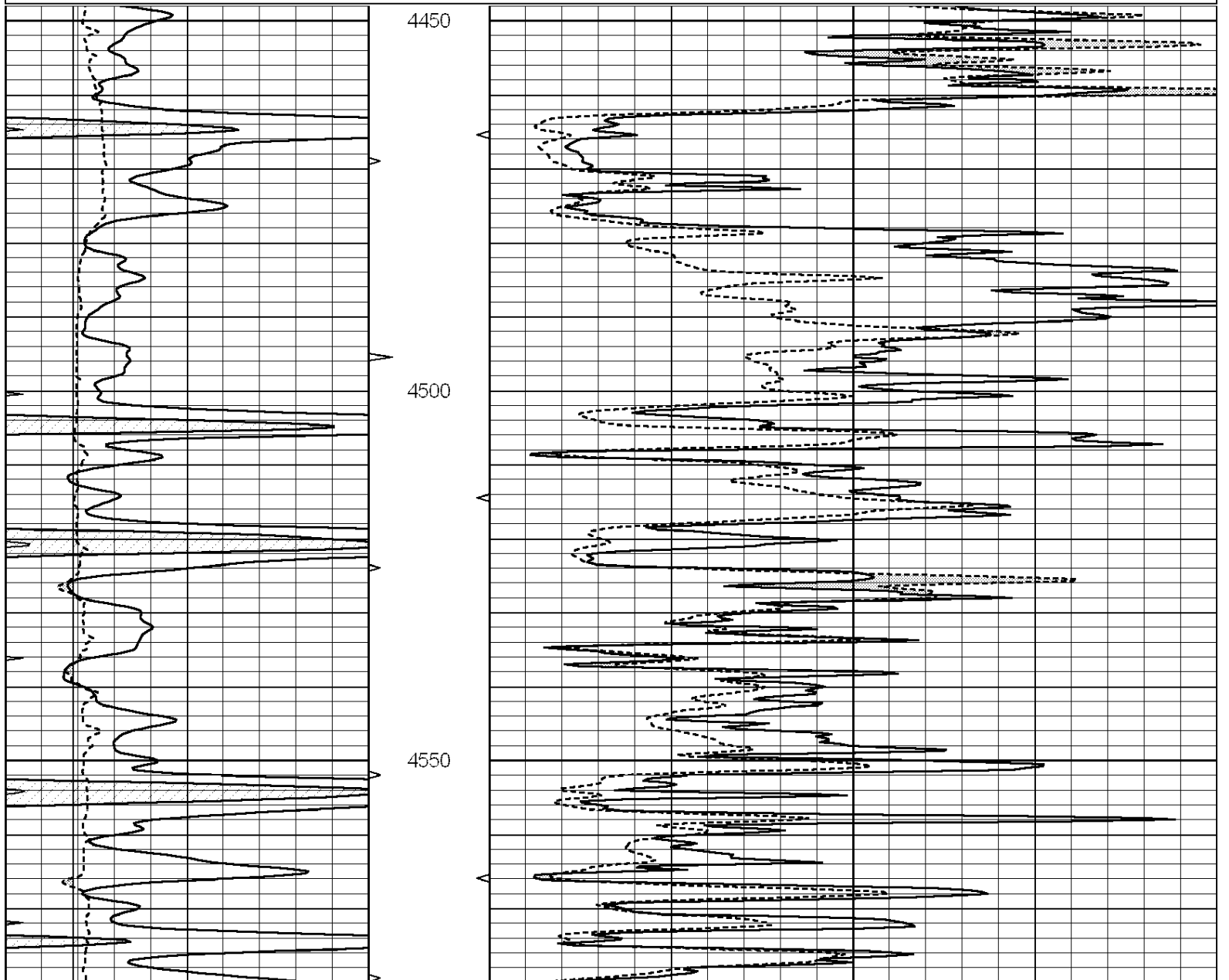
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

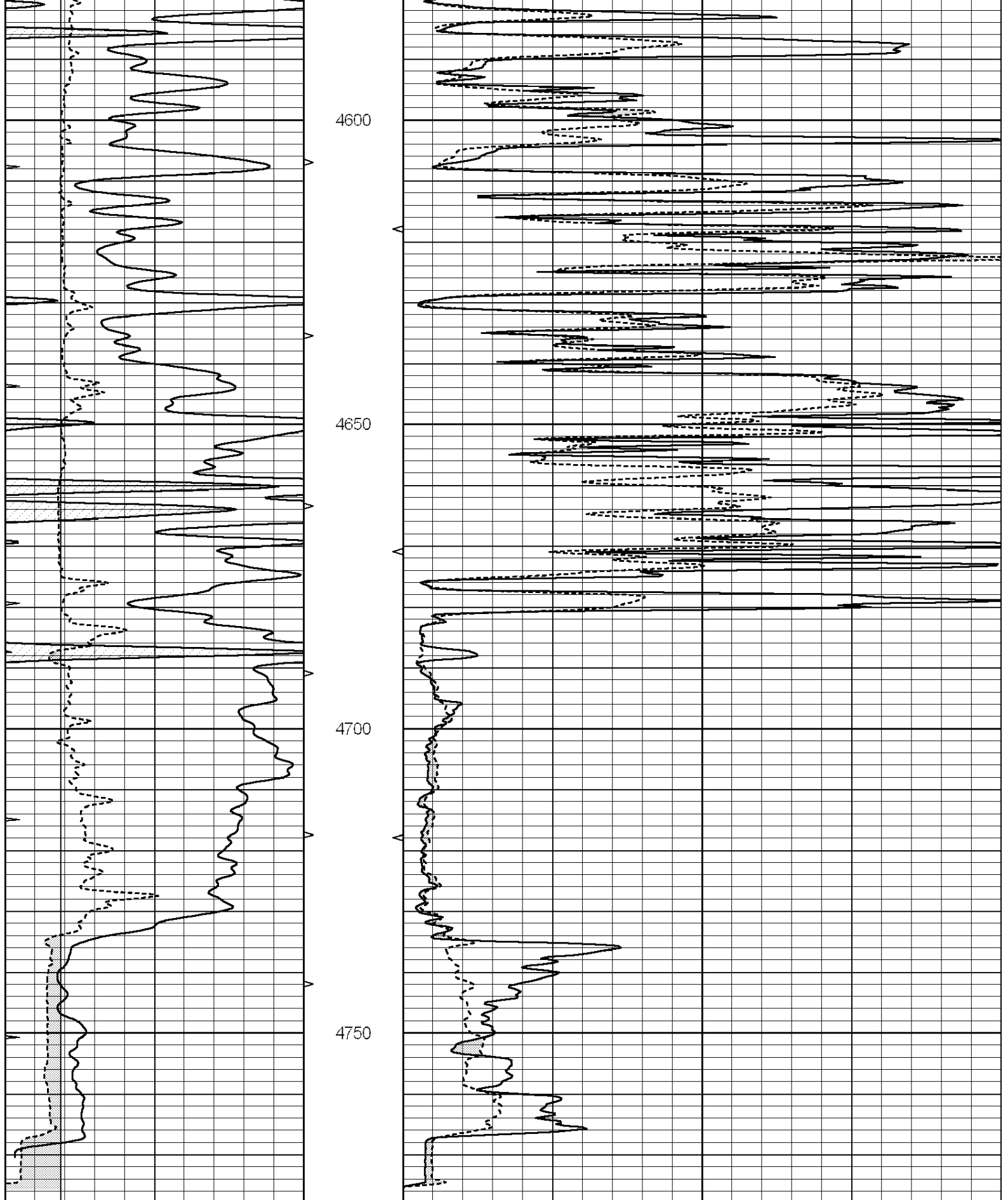


REPEAT SECTION

Database File: 3729ddn.db
 Dataset Pathname: pass5.7
 Presentation Format: micro
 Dataset Creation: Tue Jun 11 18:03:46 2019 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

Calibration Report

Database File: 3729ddn.db
 Dataset Pathname: pass6.4
 Dataset Creation: Tue Jun 11 17:51:26 2019 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 070911
 Tool Model: ProbeN
 Performed: Tue Jun 11 17:17:10 2019

Caliper Calibration:	Gain=7.097	Offset=0.258
	Low Cal	High Cal
References	7.000	18.000
Readings	0.950	2.500

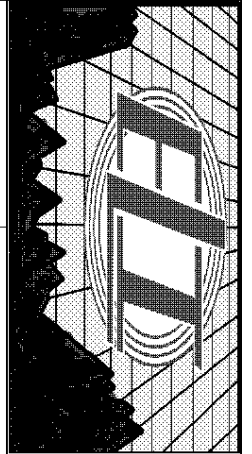
1.5" Calibration:	Gain=24.000	Offset=0.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.240

2" Calibration:	Gain=50.000	Offset=-0.800
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.076

Gamma Ray Calibration Report

Serial Number: 070559
 Tool Model: OPEN_GR
 Performed: Wed May 15 12:59:24 2019

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2400	GAPI/cps



**COMPENSATED
DENSITY / NEUTRON
LOG**

Company DAVIDSON OIL AND GAS, LLC.
Well BAHM #1
Field AMERICAN BEAUTY
County WICHITA
State KANSAS

Company DAVIDSON OIL AND GAS, LLC.
Well BAHM #1
Field AMERICAN BEAUTY
County WICHITA State KANSAS

Location: API # : 15-203-20352-0000
67'1' FNL & 929' FEL
NE - SW - NE - NE
SEC 2 TWP 16S RGE 35W
Permanent Datum GROUND LEVEL Elevation 3110
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services DIL/MEL
Elevation
K.B. 3115
D.F. 3113
G.L. 3110

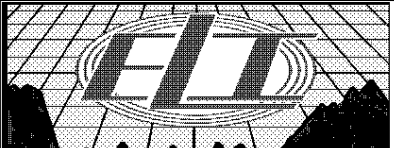
Date	6/10/19	
Run Number	ONE	
Depth Driller	4769	
Depth Logger	4770	
Bottom Logged Interval	4746	
Top Log Interval	3500	
Casing Driller	8 5/8" @ 220'	
Casing Logger	220	
Bit Size	7 7/8"	
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 13,000 PPM
Density / Viscosity	9.5/40	
pH / Fluid Loss	9.2/13.0	
Source of Sample	FLOWLINE	
Rim @ Meas. Temp	.280 @ 90F	
Rmf @ Meas. Temp	.210 @ 90F	
Rmc @ Meas. Temp	.336 @ 90F	
Source of Rmf / Rmc	MEASUREMENT	
Rim @ BHT	.205 @ 123F	
Time Circulation Stopped	2.5 HOURS	
Time Logger on Bottom	2:30 P.M.	
Maximum Recorded Temperature	123F	
Equipment Number	922339	
Location	HAYS, KANSAS	
Recorded By	JEFF LUEBBERS	
Witnessed By	MAXWELL LaFON	JERRY GREEN

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

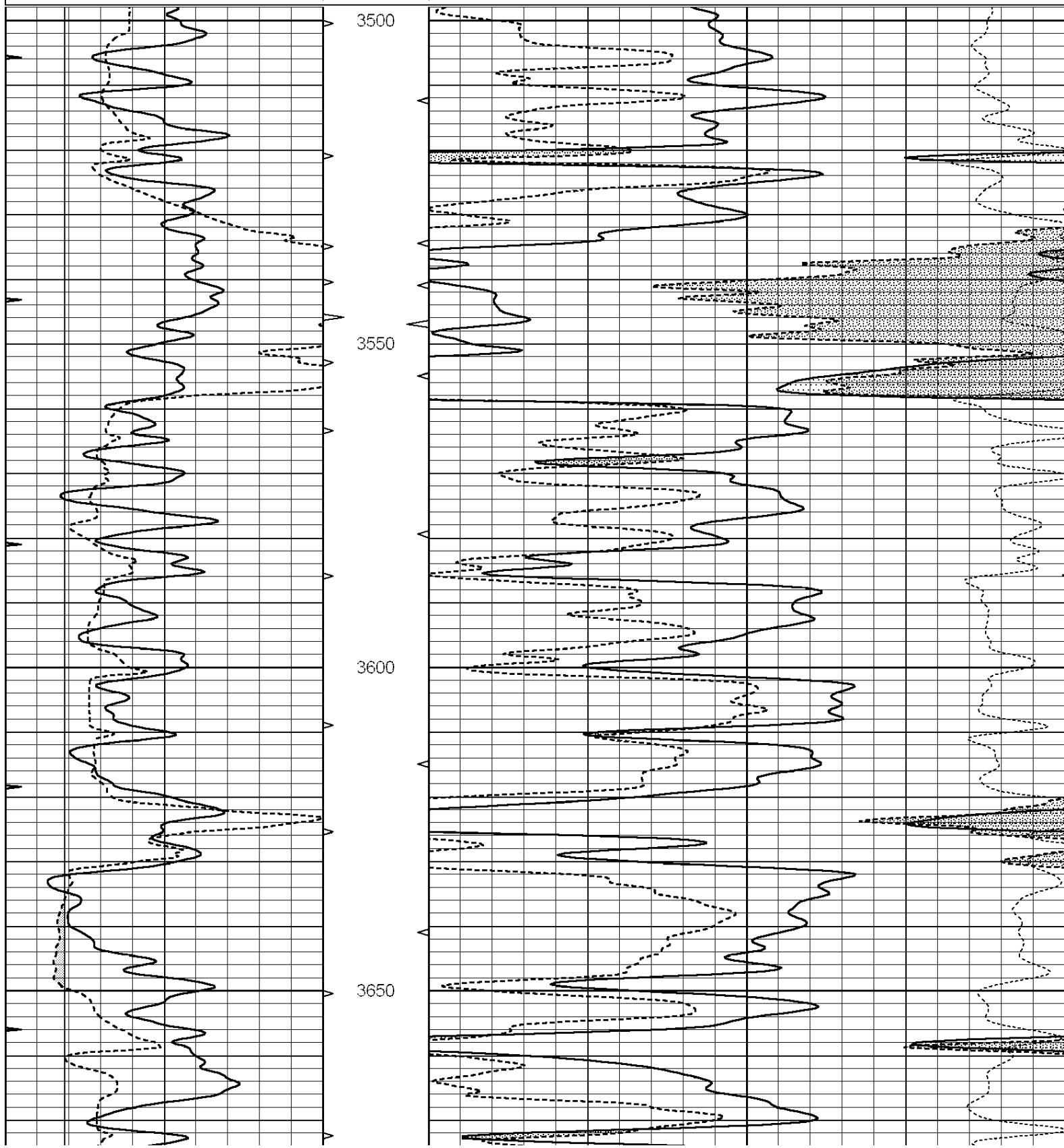
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
PENCE, KS., 5W. TO "RD. 23", 3N., W. INTO GATE

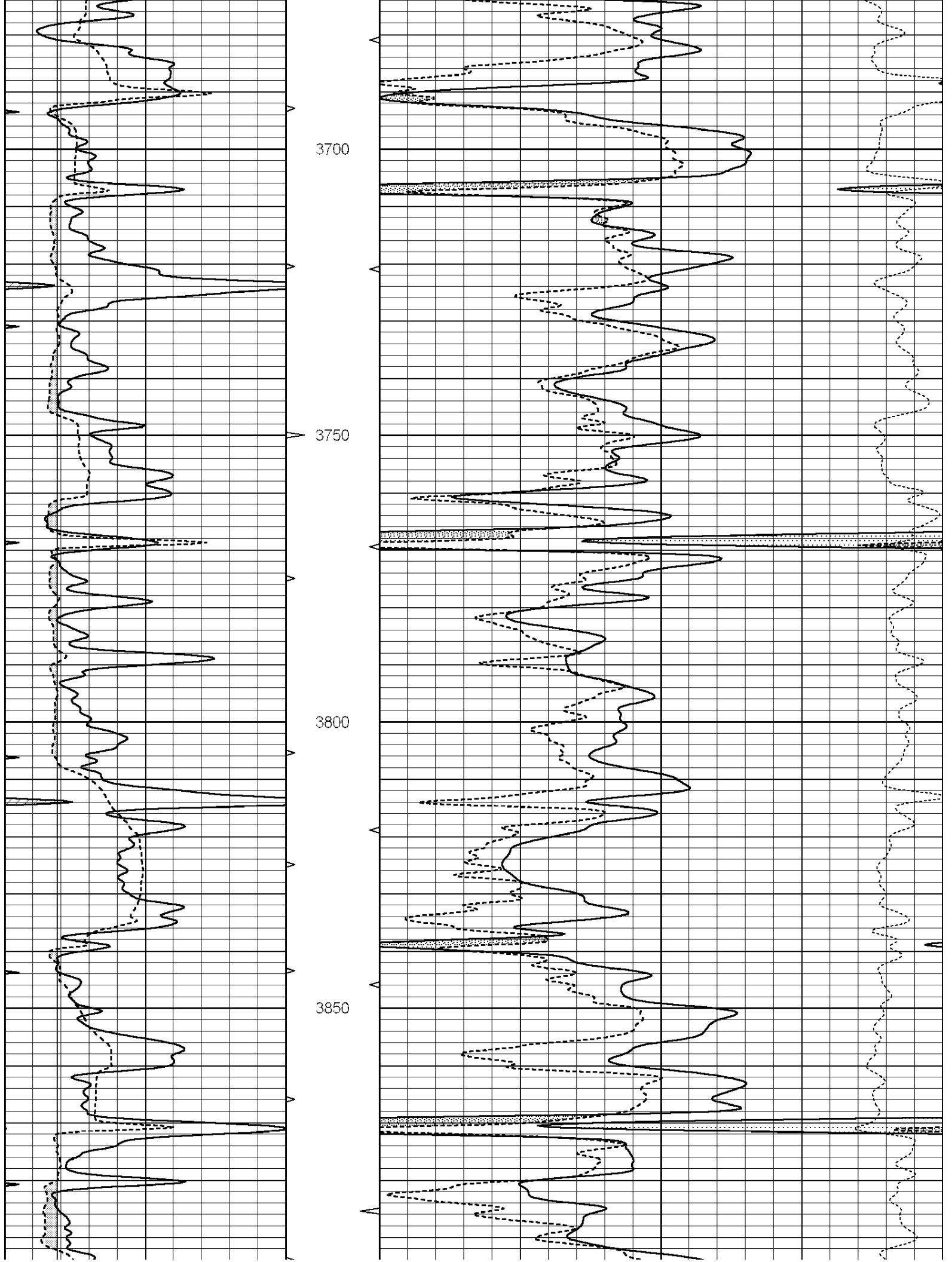


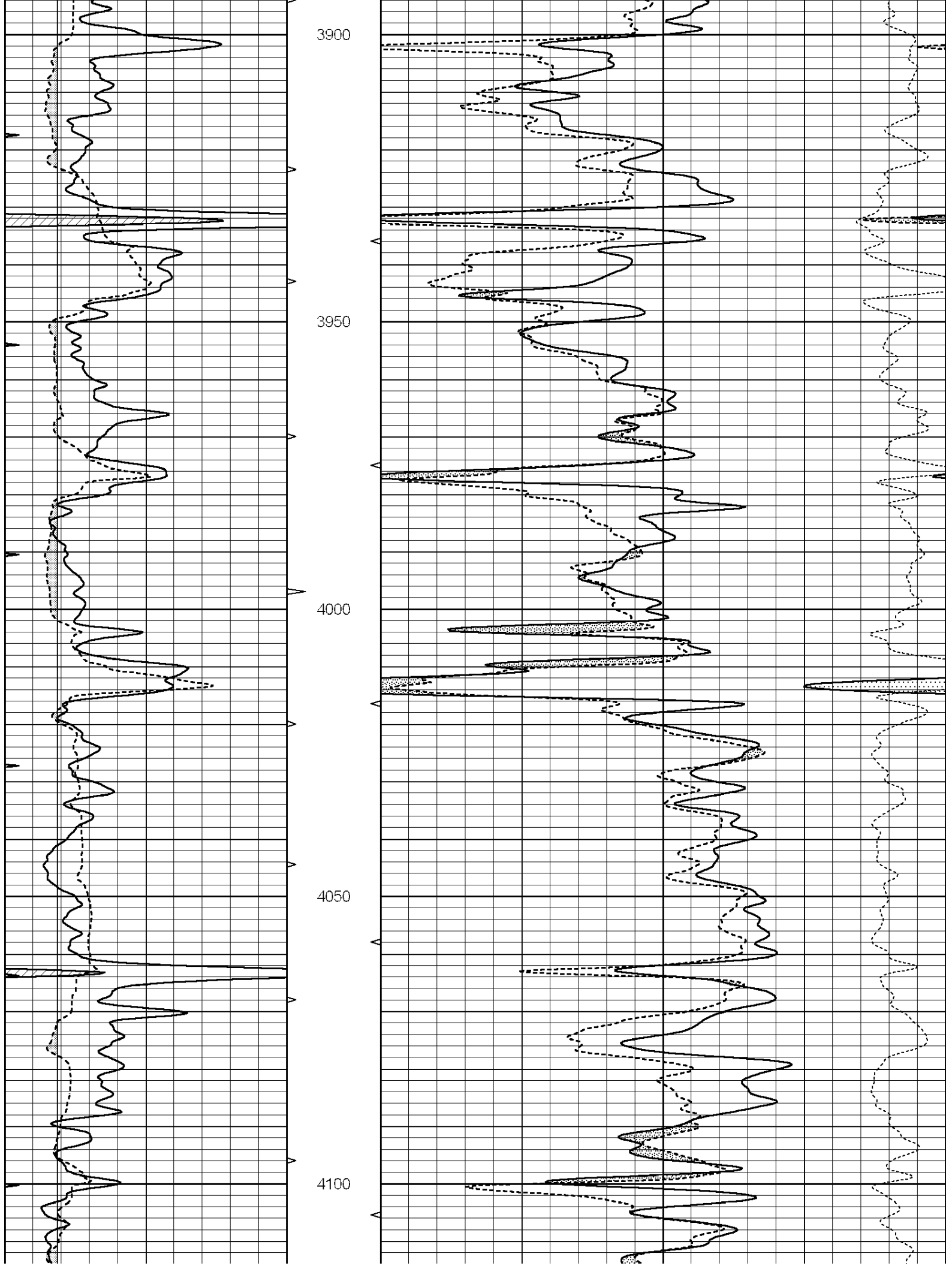
MAIN SECTION

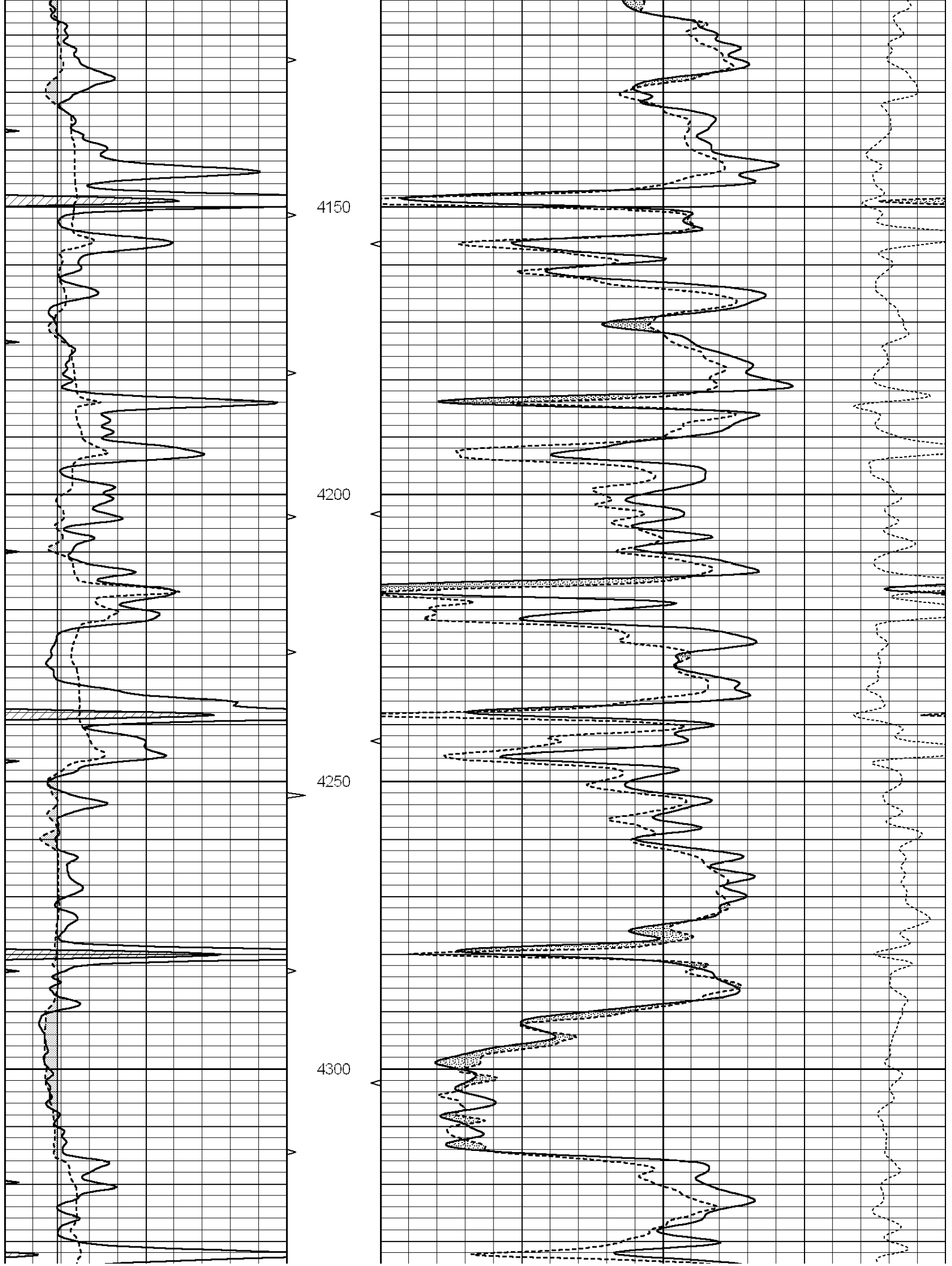
Database File: 3729ddn.db
 Dataset Pathname: pass2.6
 Presentation Format: den_neu
 Dataset Creation: Tue Jun 11 15:39:55 2019 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

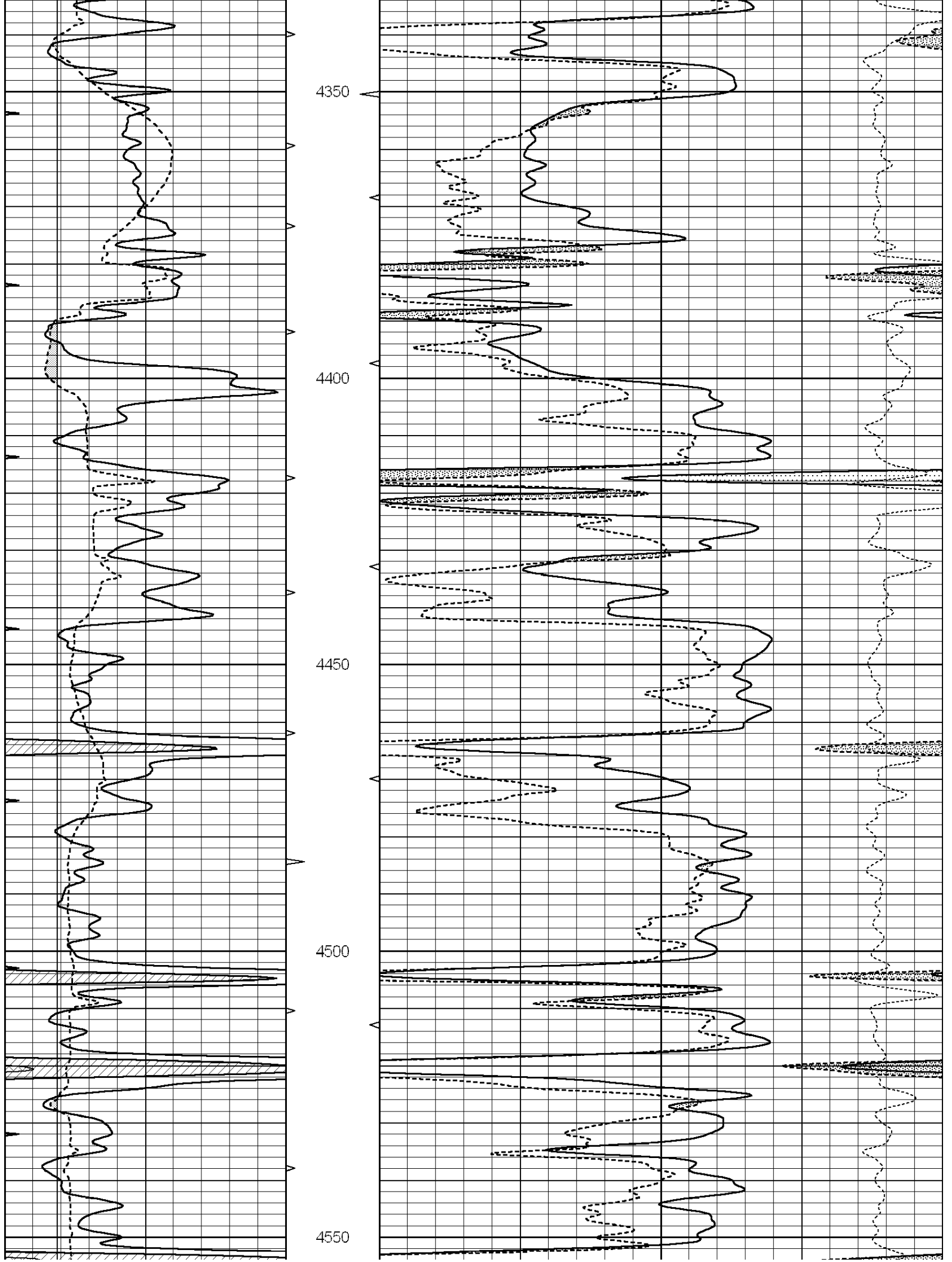
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	DCAL (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		

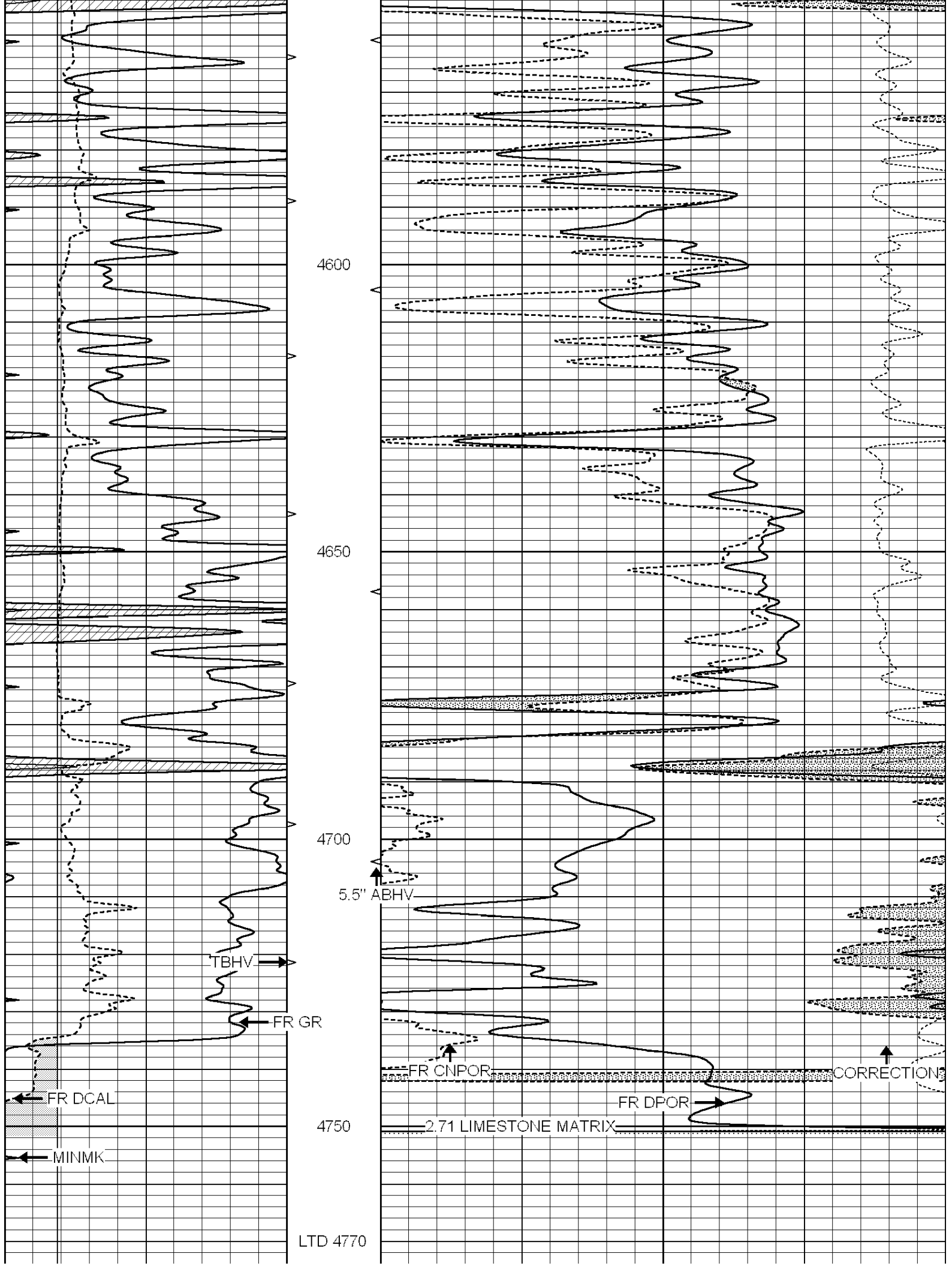












4600

4650

4700

4750

LTD 4770

TBHV

FR GR

5.5" ABHV

FR CNPOR

FR DPOR

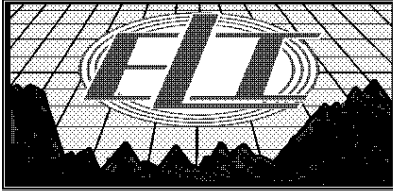
CORRECTION

FR DCAL

MINMK

2.71 LIMESTONE MATRIX

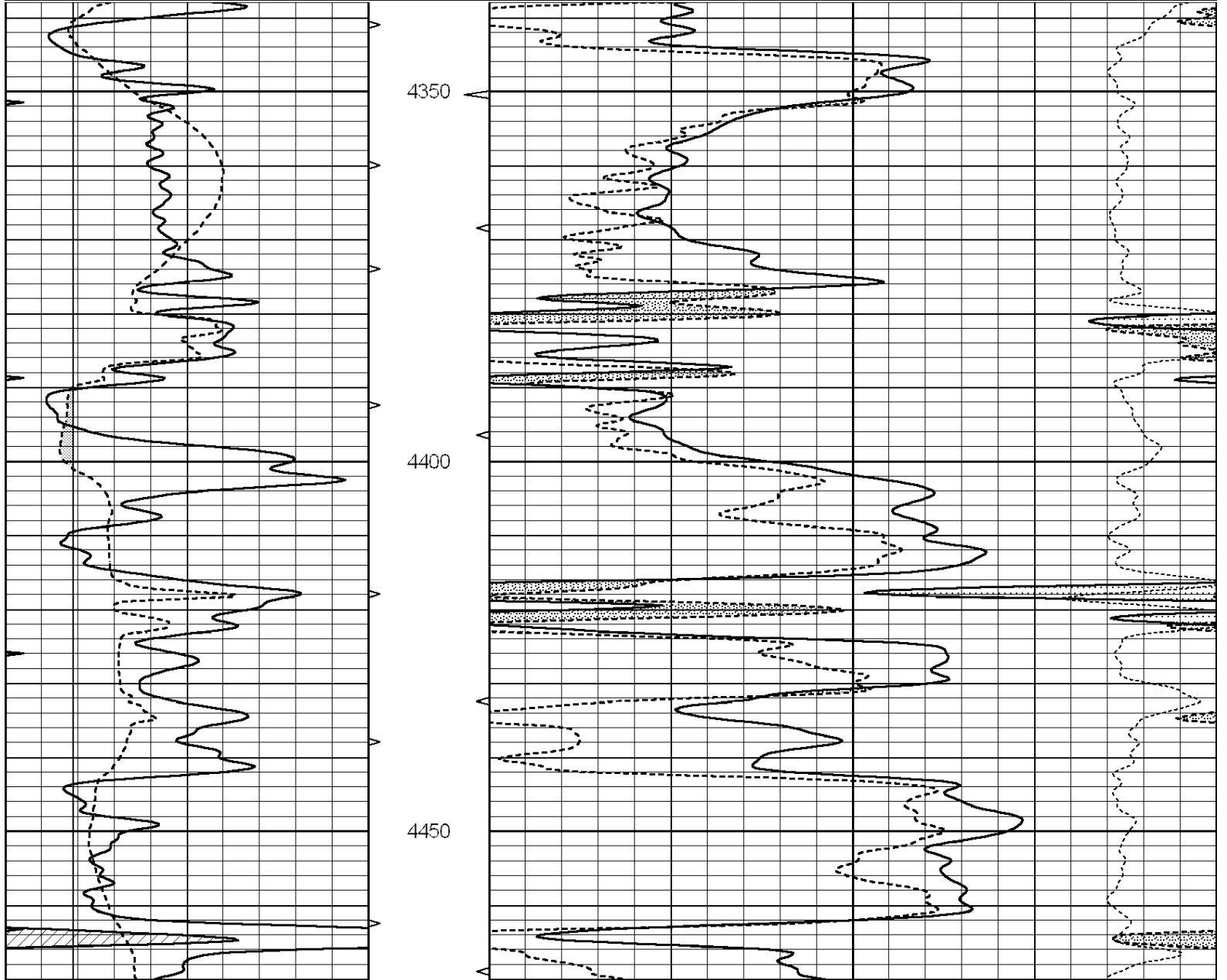
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	DCAL (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		

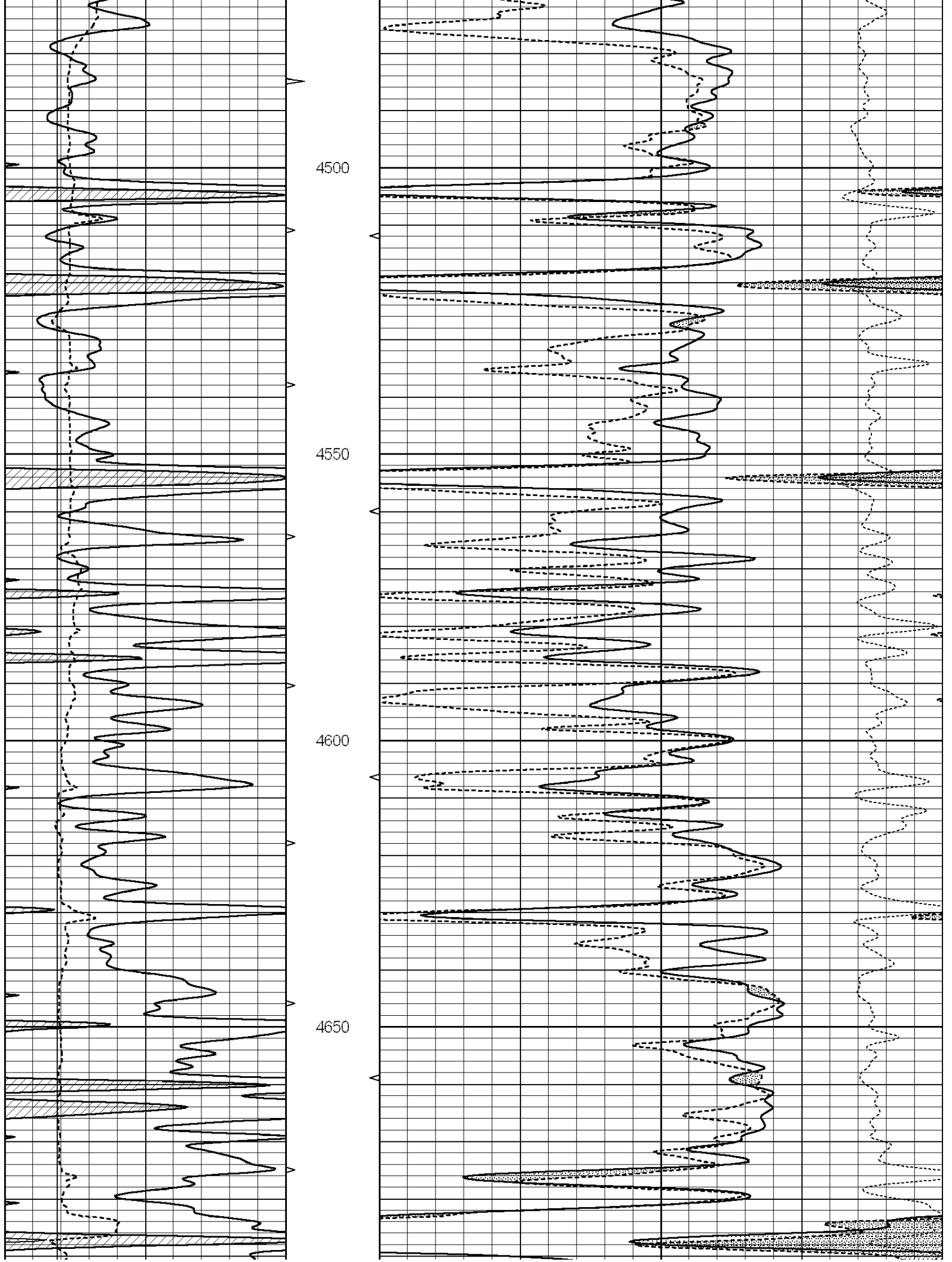


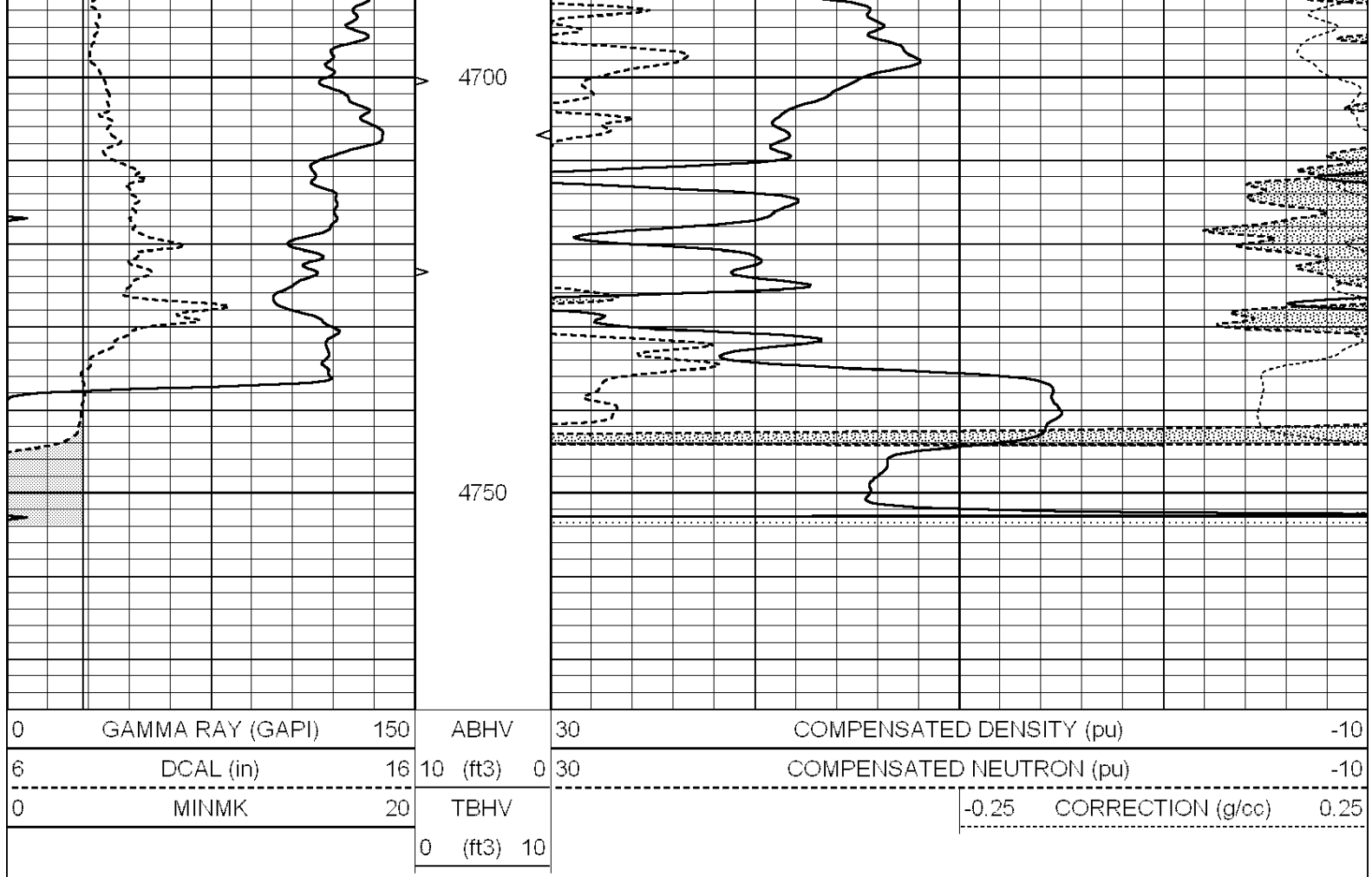
REPEAT SECTION

Database File: 3729ddn.db
 Dataset Pathname: pass3.4
 Presentation Format: den_neu
 Dataset Creation: Tue Jun 11 16:02:18 2019 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	DCAL (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		







Calibration Report

Database File: 1598ddn.db
 Dataset Pathname: pass4
 Dataset Creation: Wed Aug 30 02:13:00 2017 by Log SOC 120430

Dual Induction Calibration Report

Serial-Model: PROBE7-DILG
 Surface Cal Performed: Wed Aug 30 00:06:33 2017
 Downhole Cal Performed: Mon Jul 28 12:02:56 2008
 After Survey Verification Performed: Mon Jul 28 12:02:56 2008

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	620.000	0.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	675.000	-44.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		

After Survey Verification								
	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report
Serial: 002 Model: PRB

Master Calibration		Performed Mon Aug 21 11:27:42 2017				
	Background	Magnesium	Aluminum	Sandstone		
Window 1	837.1	10632.5	2945.1	12110.1	cps	
Window 2	772.0	9117.4	2570.1	10197.3	cps	
Window 3	631.7	4669.0	1481.9	5042.9	cps	
Window 4	187.0	187.5	185.9	189.9	cps	
Long Space	0.0	8345.4	1798.1	9425.3	cps	
Short Space	1.1	1927.9	1285.9	2050.2	cps	
Rho		1.7100	2.5960	1.3800	g/cc	
Pe		0.0000	2.5700	1.5500		
Rib Angle	: 45.2	Rib Slope	: 1.008	Density/Spine Ratio	: 0.558	
Spine Angle	: 75.2	Spine Slope	: 3.790	Spine Intercept	: -19.6	

Before Survey Verification		Performed Wed Dec 31 18:00:00 1969				
	Background	Magnesium	Aluminum	Sandstone		
Window 1	0.0	0.0	0.0	0.0	cps	
Window 2	0.0	0.0	0.0	0.0	cps	
Window 3	0.0	0.0	0.0	0.0	cps	
Window 4	0.0	0.0	0.0	0.0	cps	
Long Space	0.0	0.0	0.0	0.0	cps	
Short Space	0.0	0.0	0.0	0.0	cps	
Measured Rho		0.0000	0.0000	0.0000	g/cc	
Measured Correction		0.0000	0.0000	0.0000	g/cc	
Measured Pe			0.0000	0.0000		

After Survey Verification		Performed Wed Dec 31 18:00:00 1969				
	Background	Magnesium	Aluminum	Sandstone		
Window 1	0.0	0.0	0.0	0.0	cps	
Window 2	0.0	0.0	0.0	0.0	cps	
Window 3	0.0	0.0	0.0	0.0	cps	
Window 4	0.0	0.0	0.0	0.0	cps	
Long Space	0.0	0.0	0.0	0.0	cps	
Short Space	0.0	0.0	0.0	0.0	cps	
Measured Rho		0.0000	0.0000	0.0000	g/cc	
Measured Correction		0.0000	0.0000	0.0000	g/cc	
Measured Pe			0.0000	0.0000		

Compensated Neutron Calibration Report

Serial Number: 070808
Tool Model: Probe

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

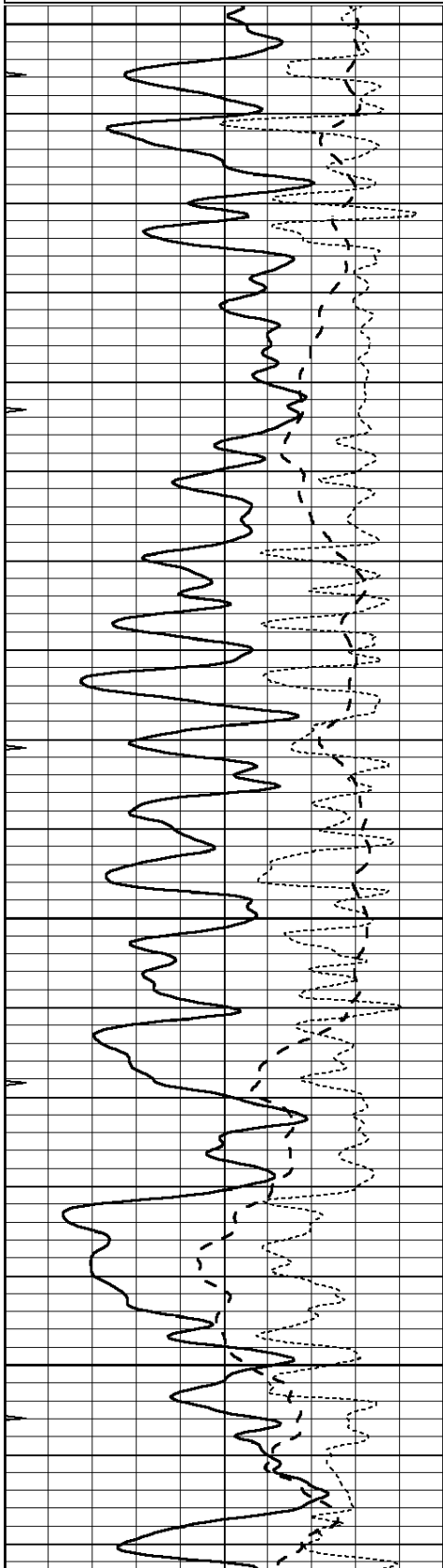
Gamma Ray Calibration Report

Serial Number:	070558		
Tool Model:	OPEN_GR		
Performed:	Wed May 31 00:09:32 2017		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.2800	GAPI/cps	

Database File: 3729ddn.db
 Dataset Pathname: pass2.6
 Presentation Format: den_neu
 Dataset Creation: Tue Jun 11 15:39:55 2019 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

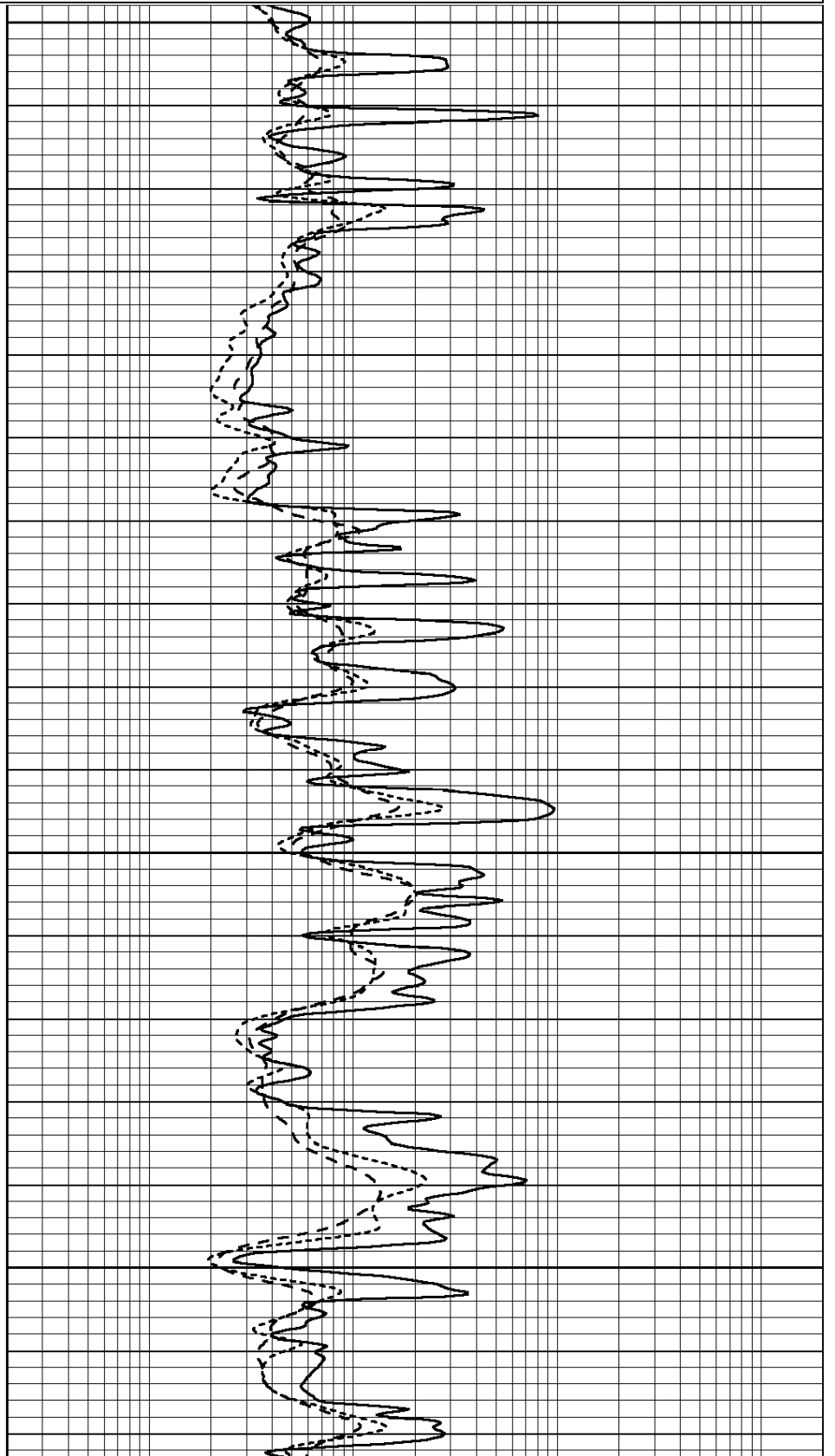


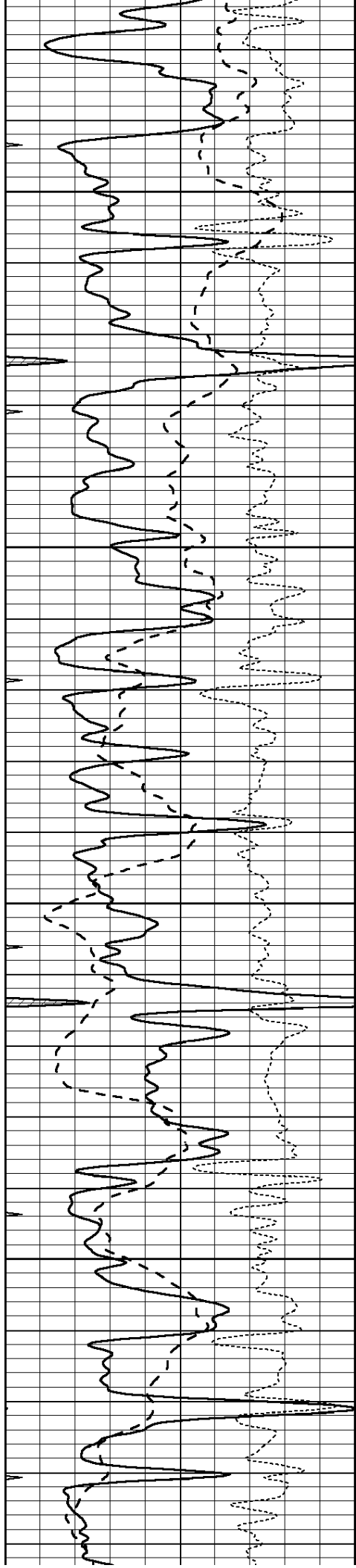
3500

3550

3600

3650



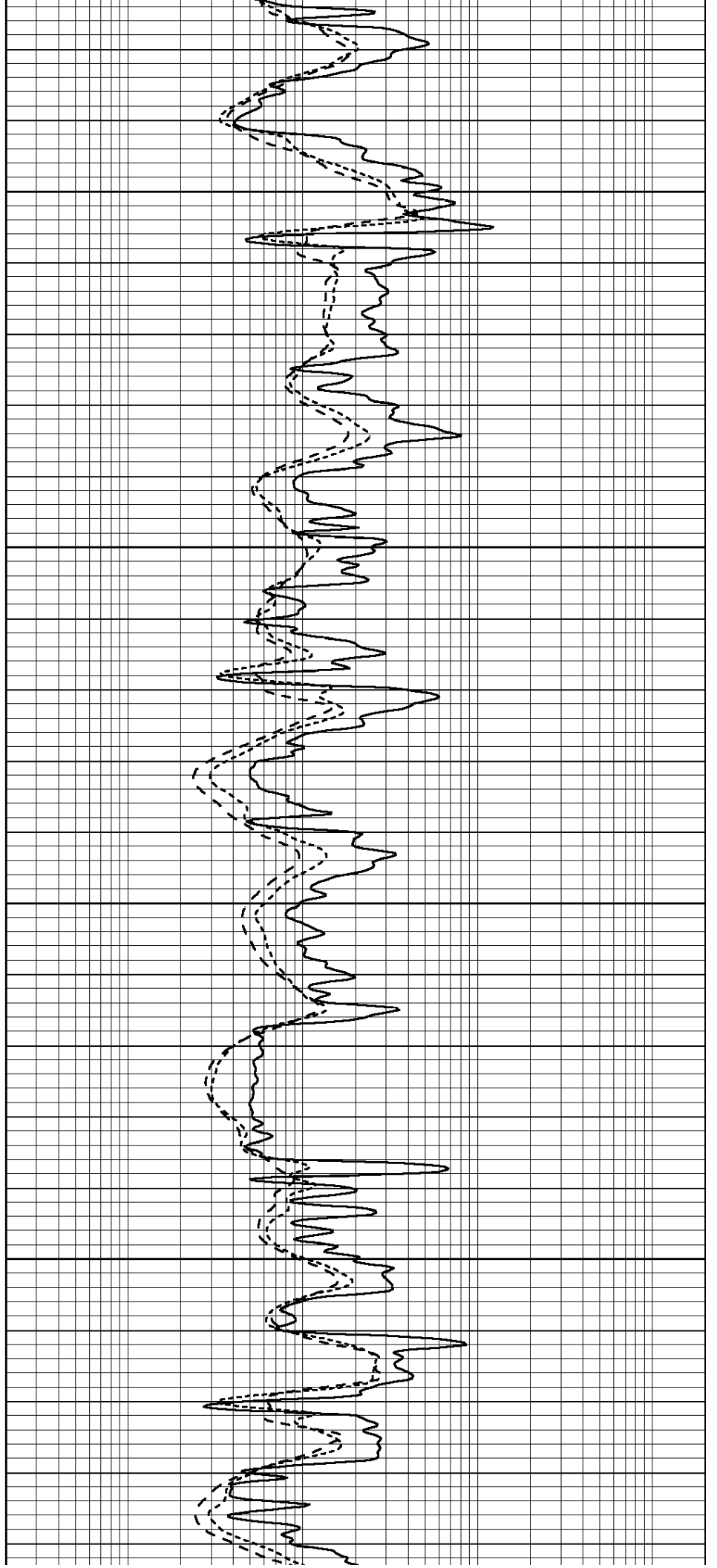


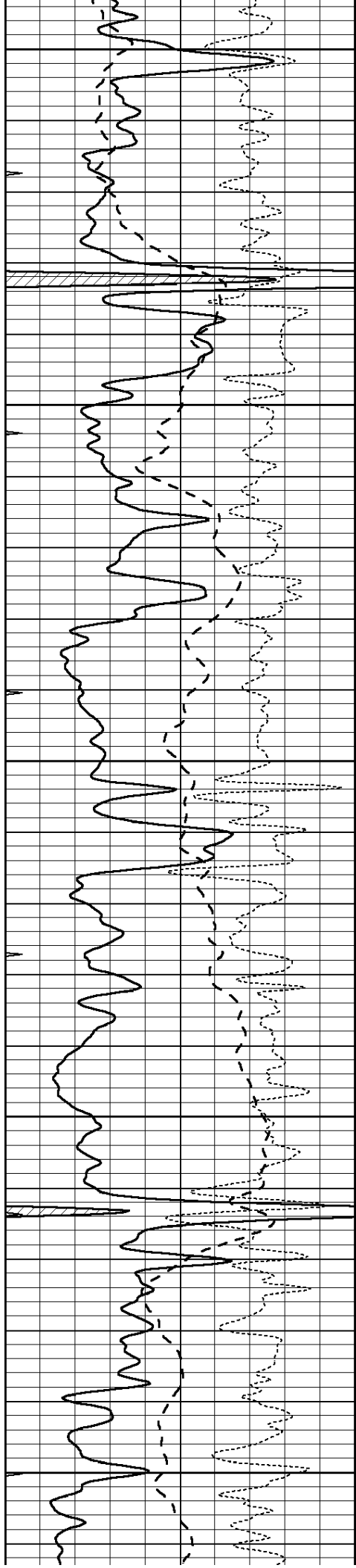
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3750

3800

3850





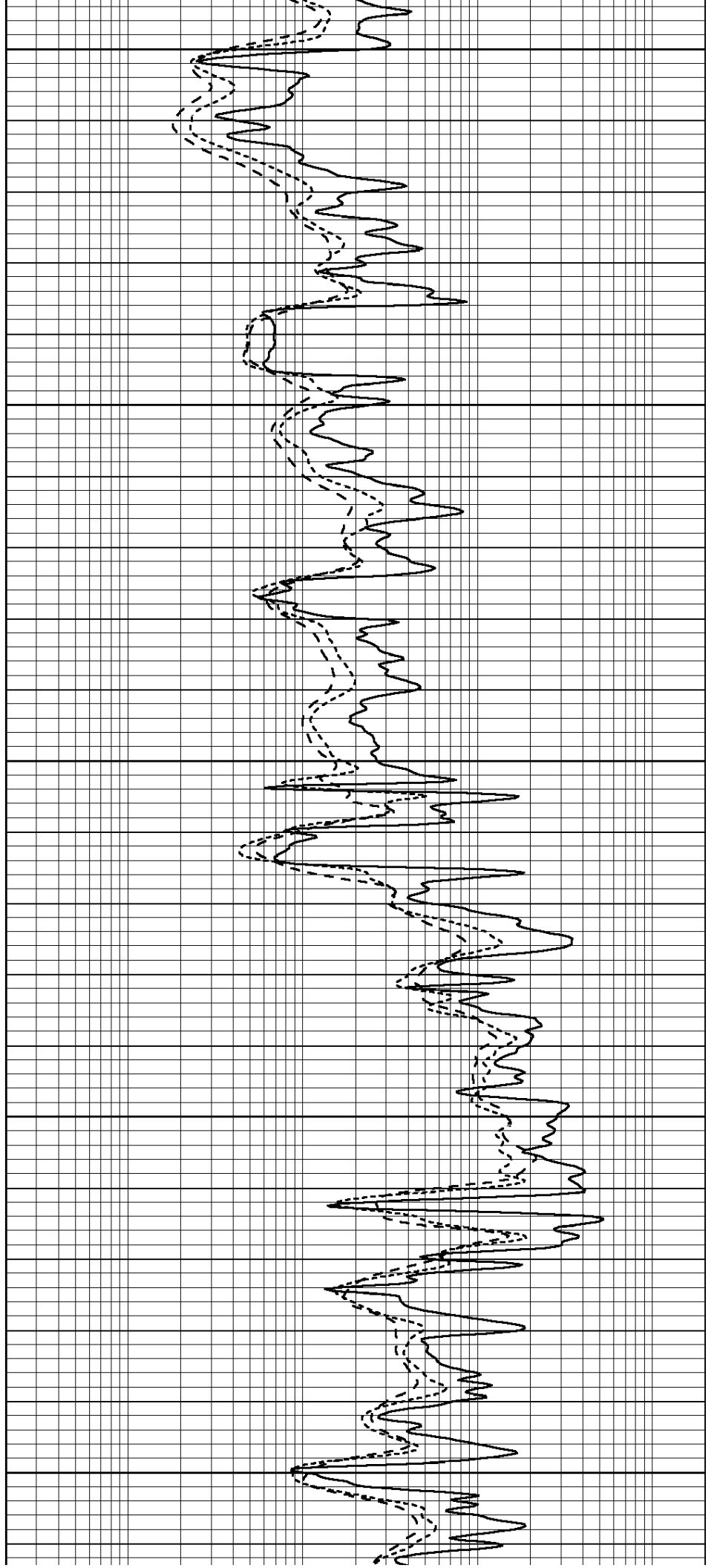
3900

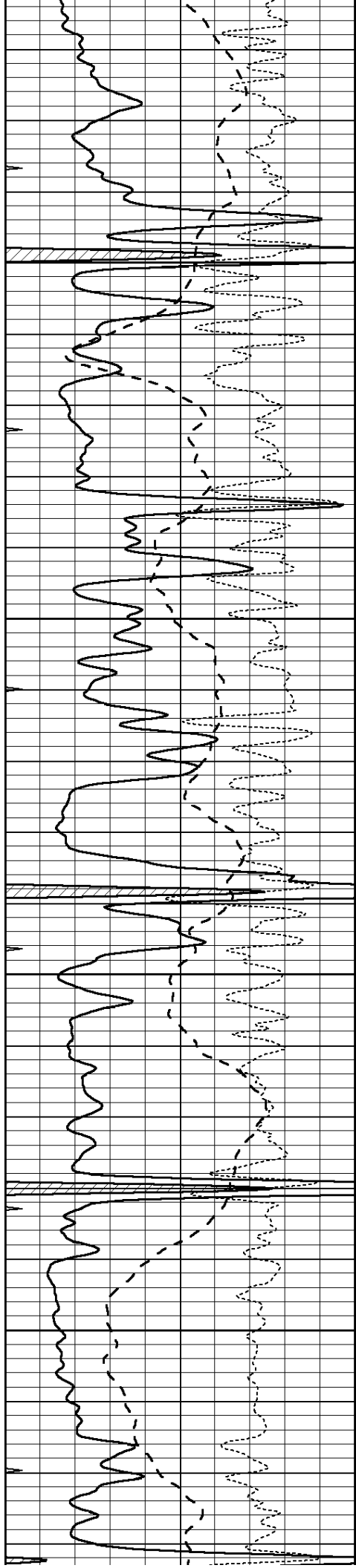
3950

4000

4050

4100



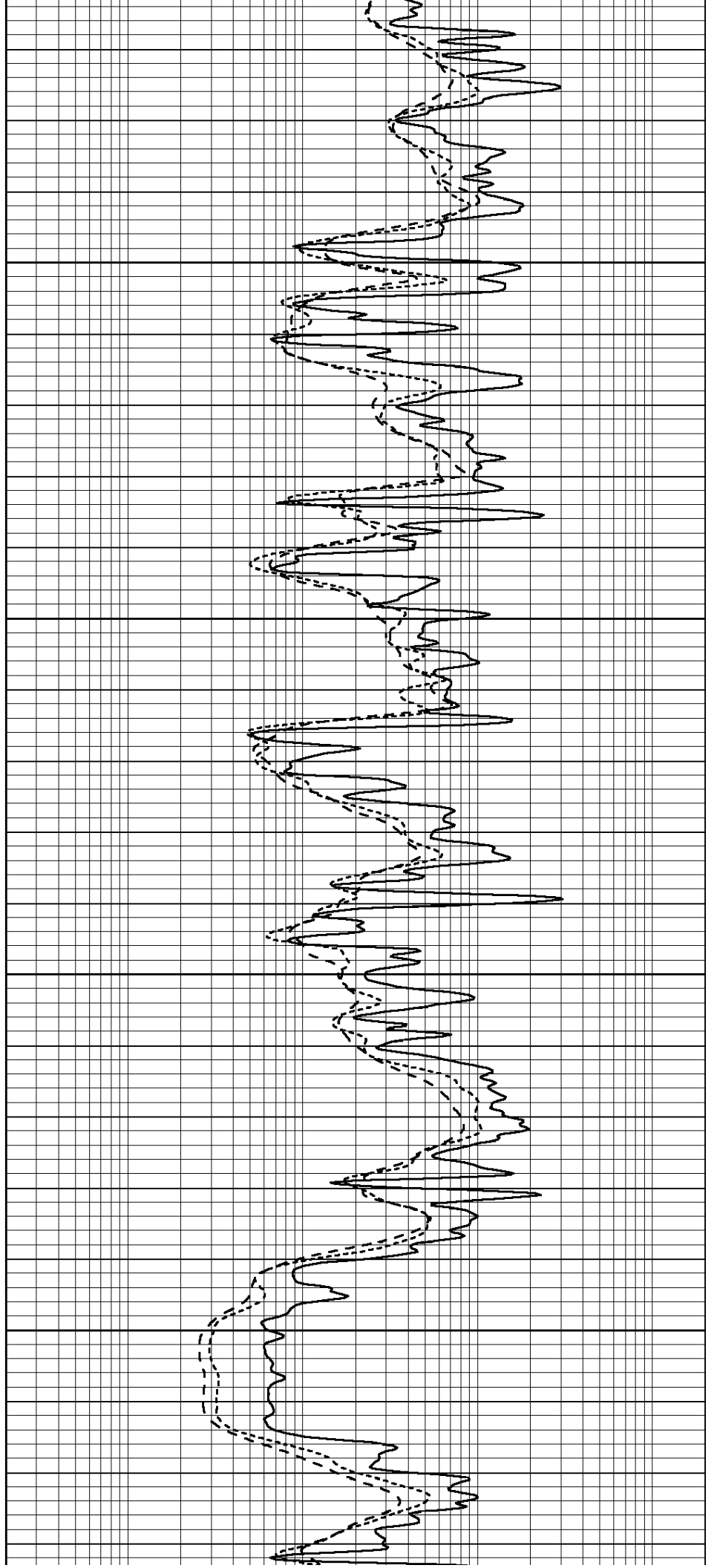


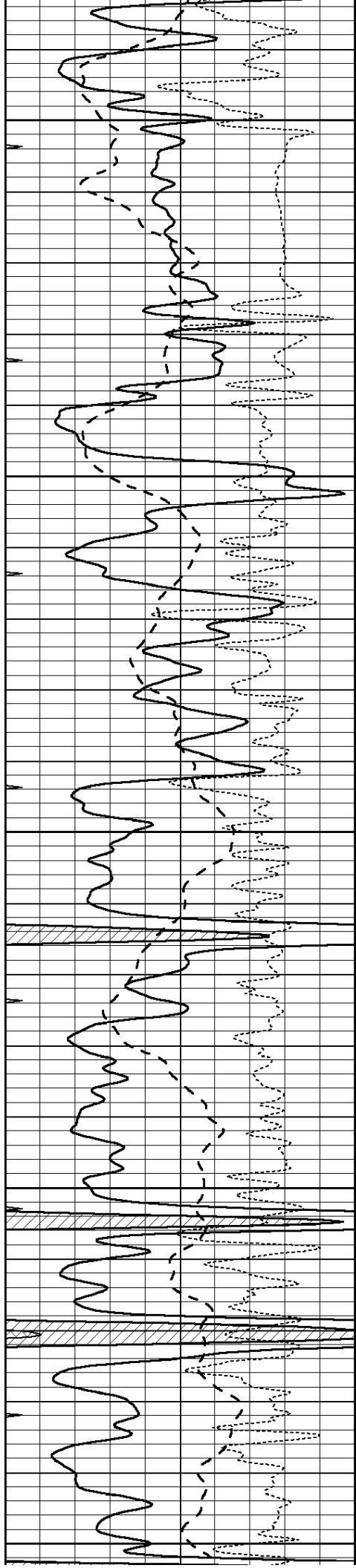
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4200

4250

4300





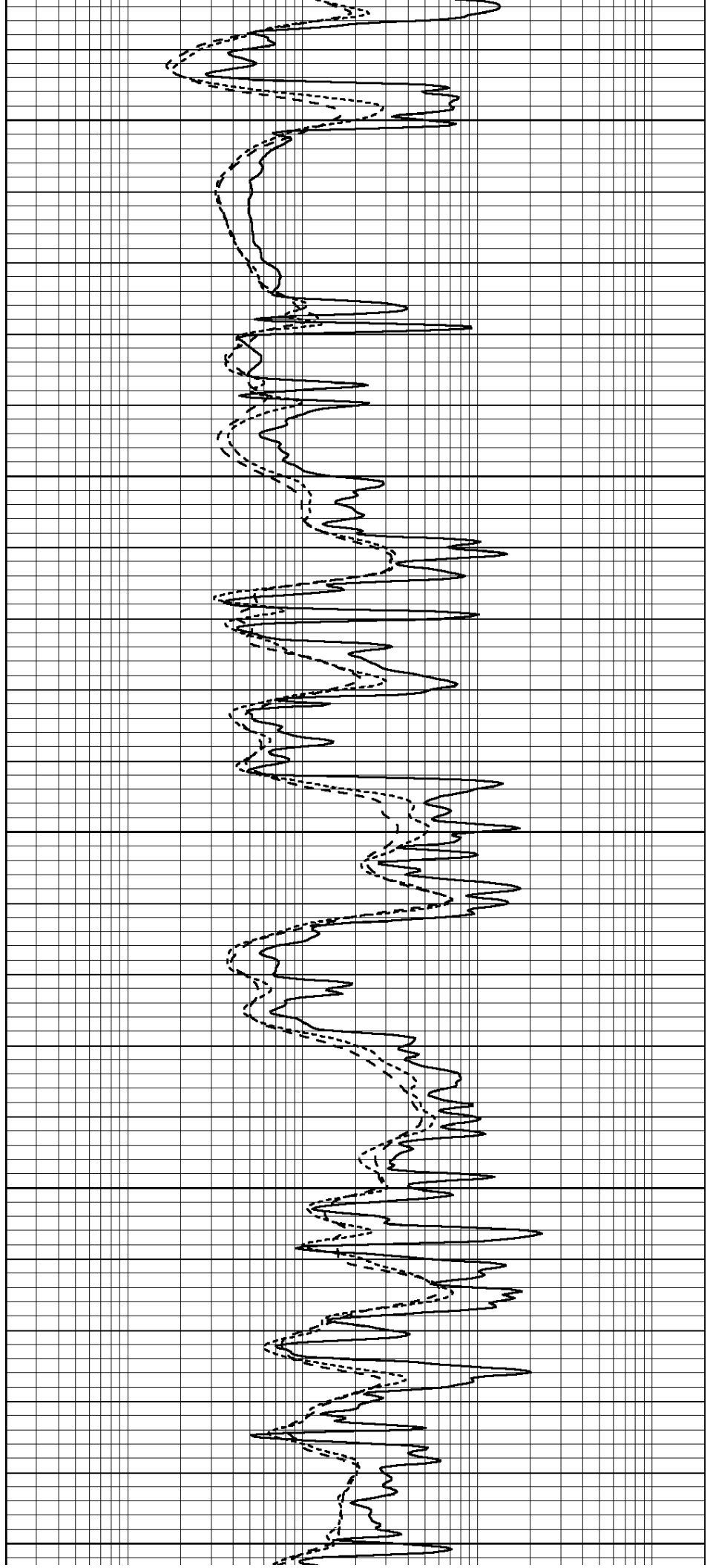
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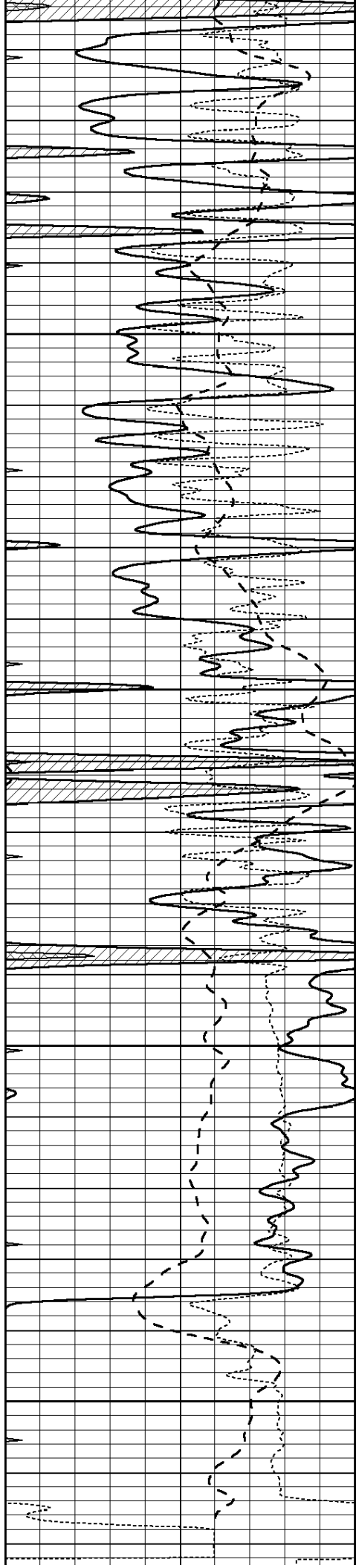
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4450

4500

4550



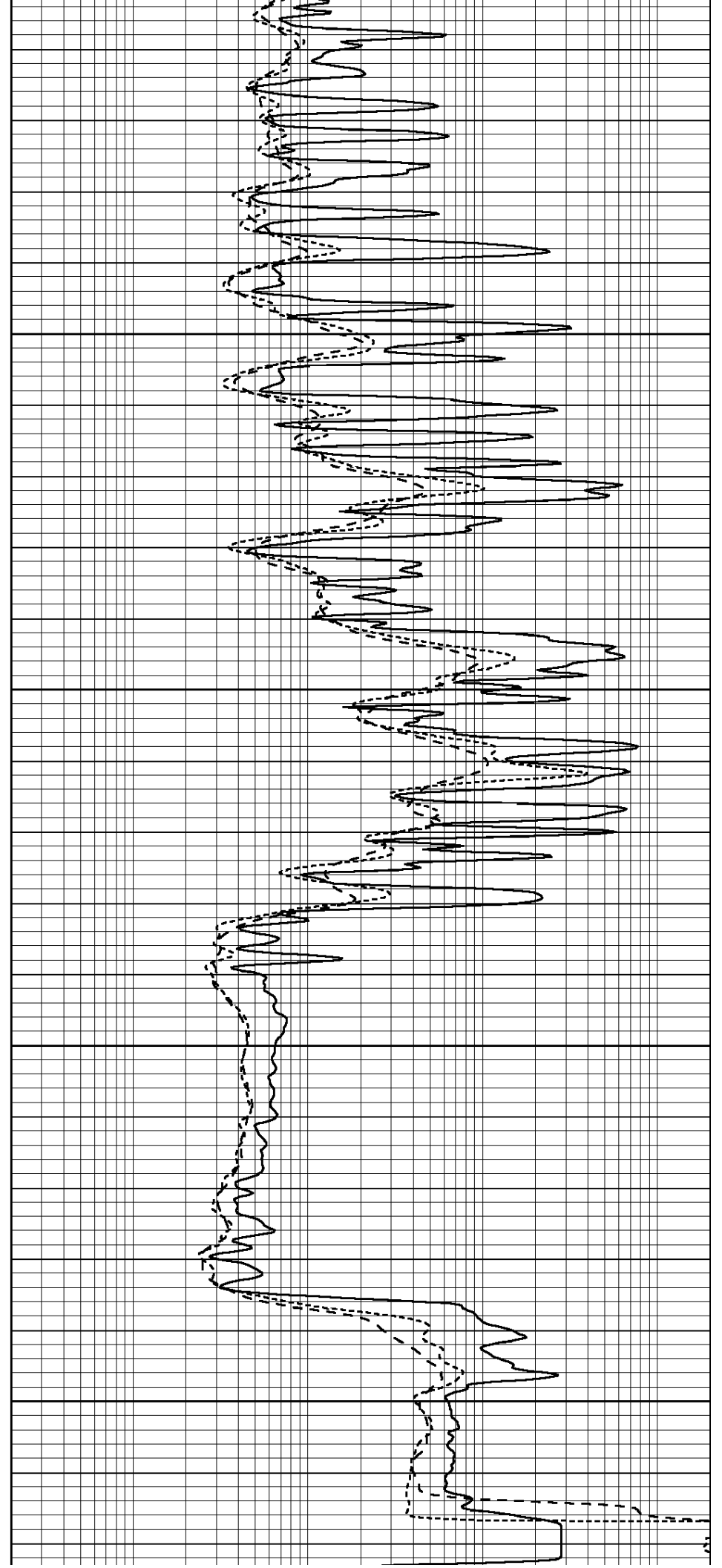


4600

4650

4700

4750

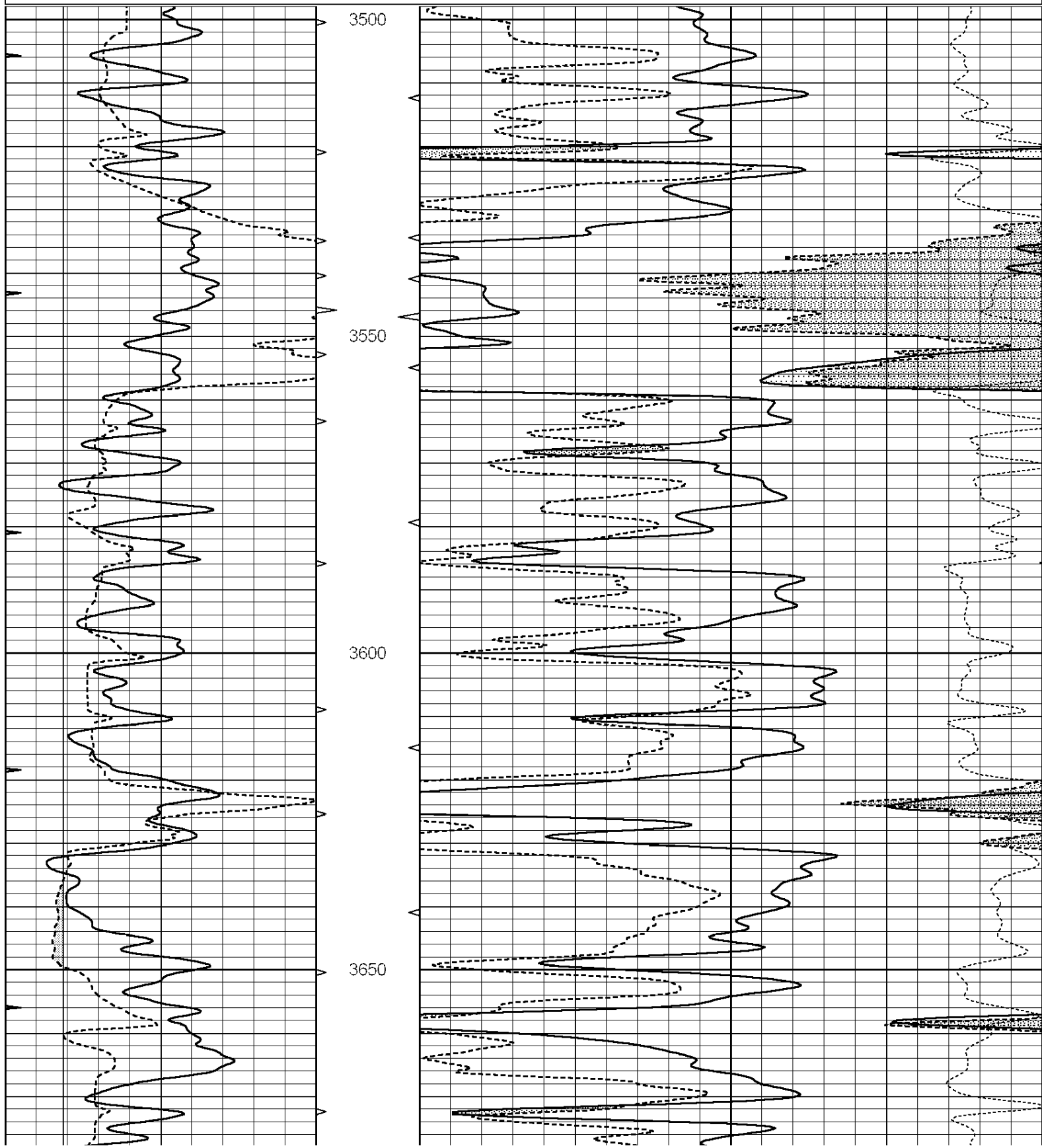


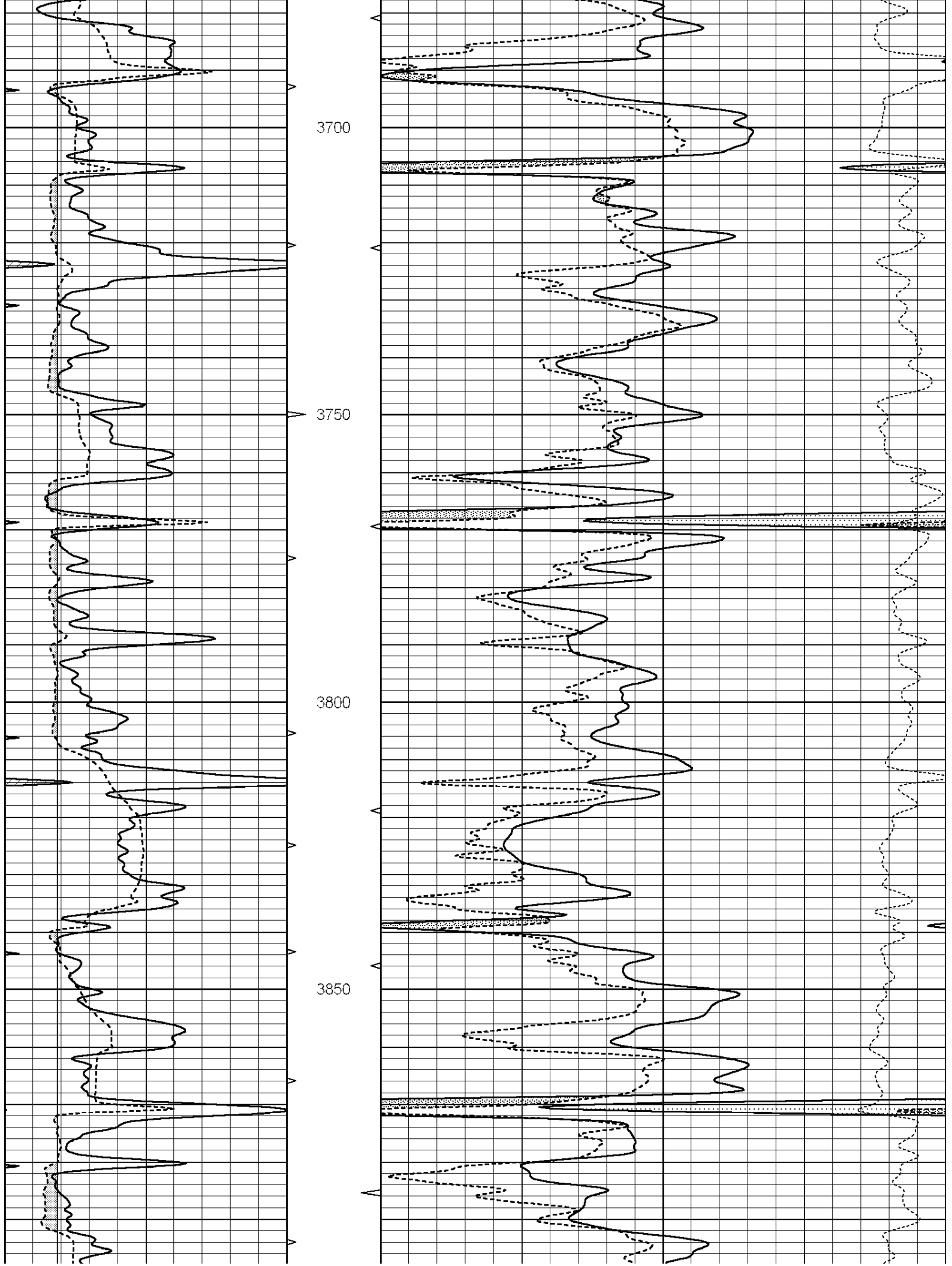
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

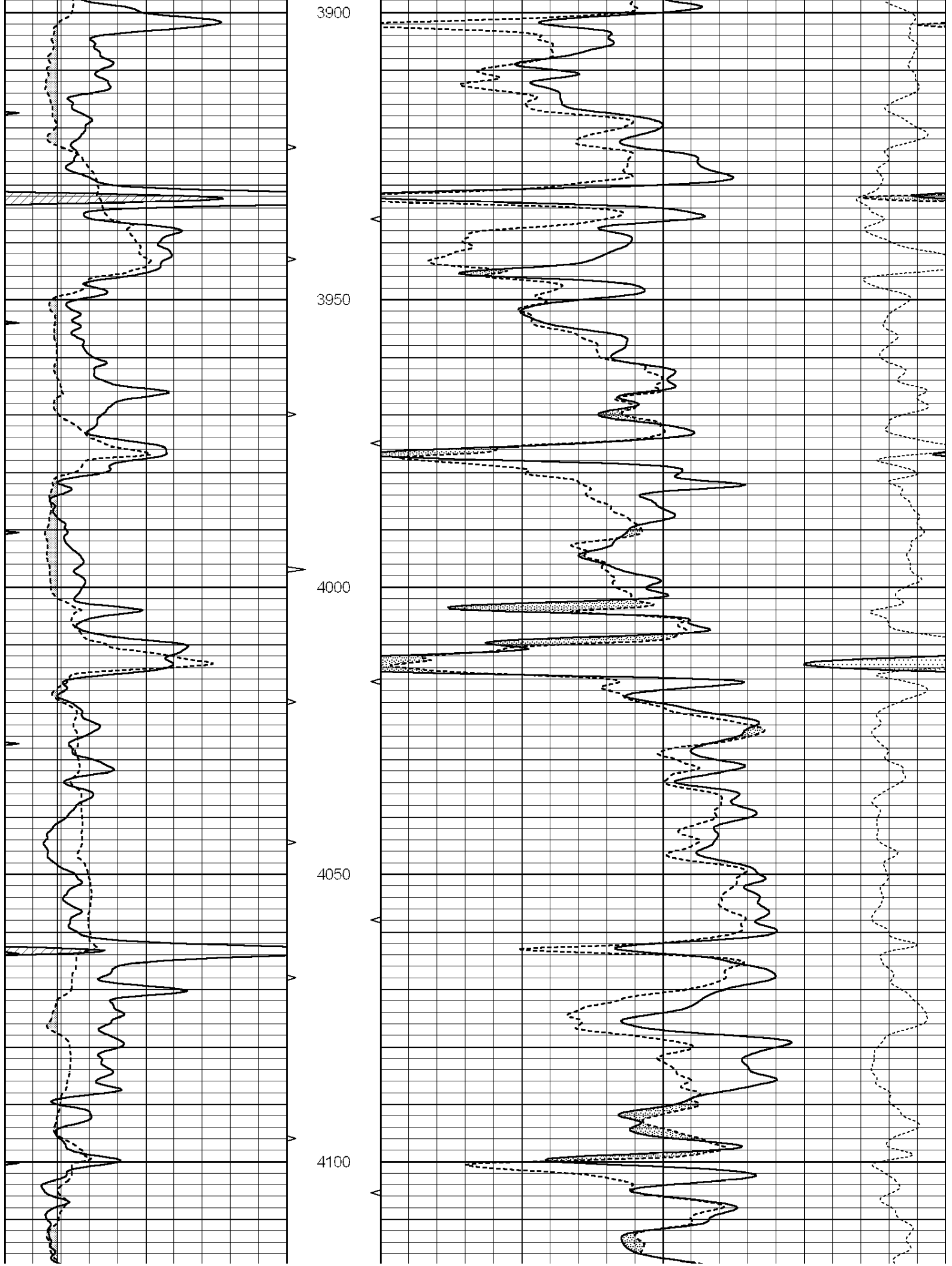
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

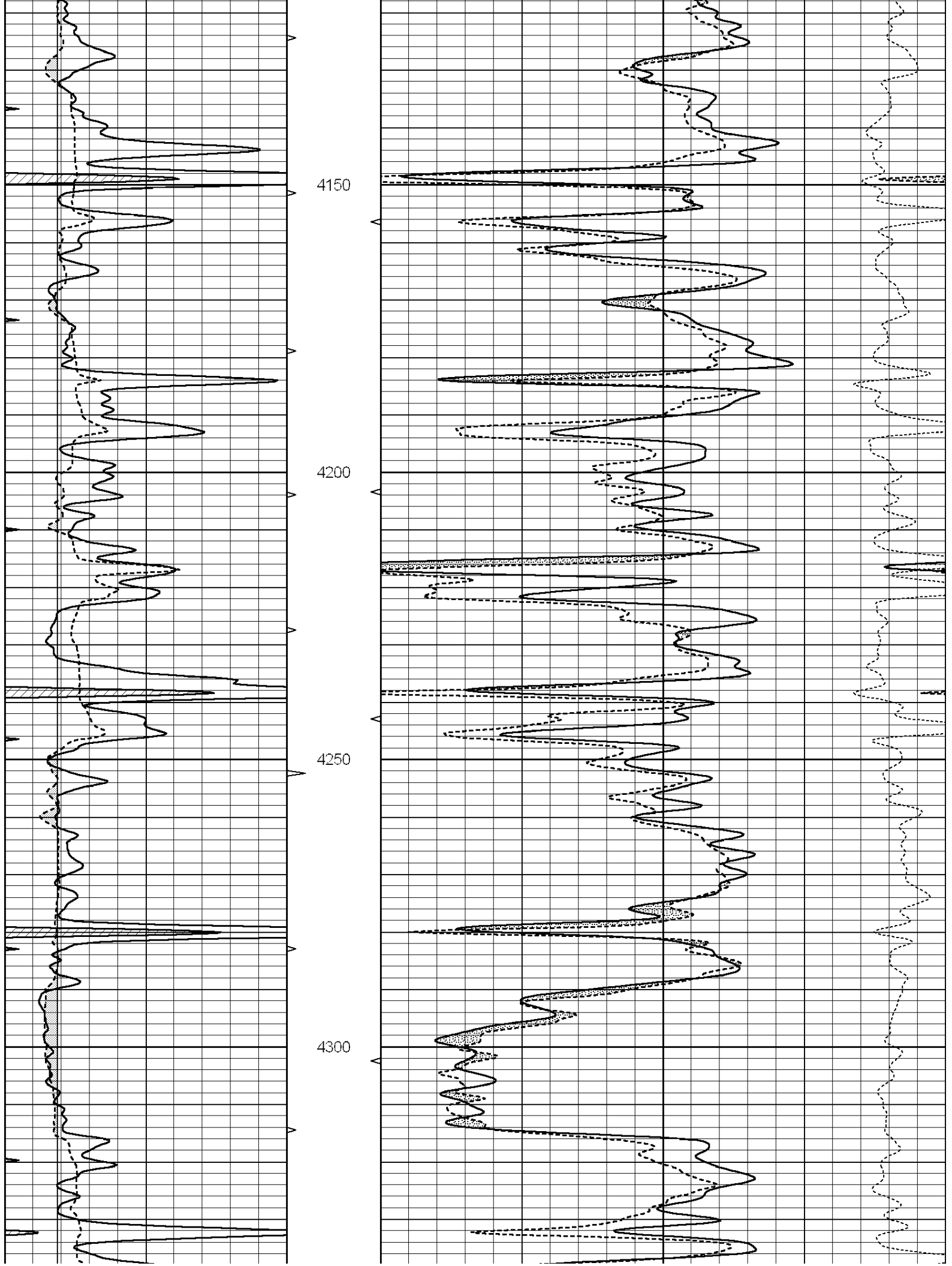
Database File: 3729ddn.db
 Dataset Pathname: pass2.6
 Presentation Format: den_neu
 Dataset Creation: Tue Jun 11 15:39:55 2019 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

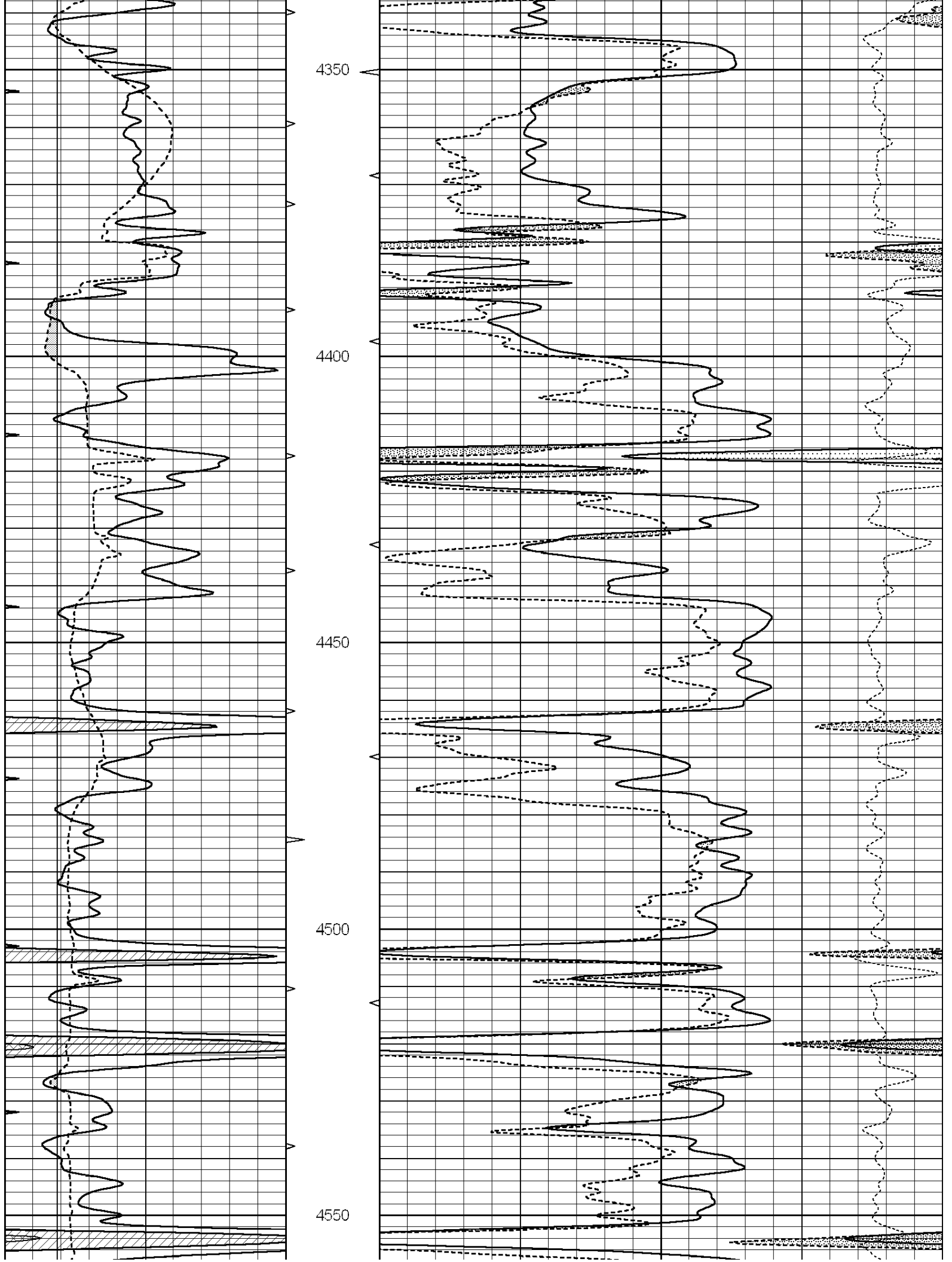
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	DCAL (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		

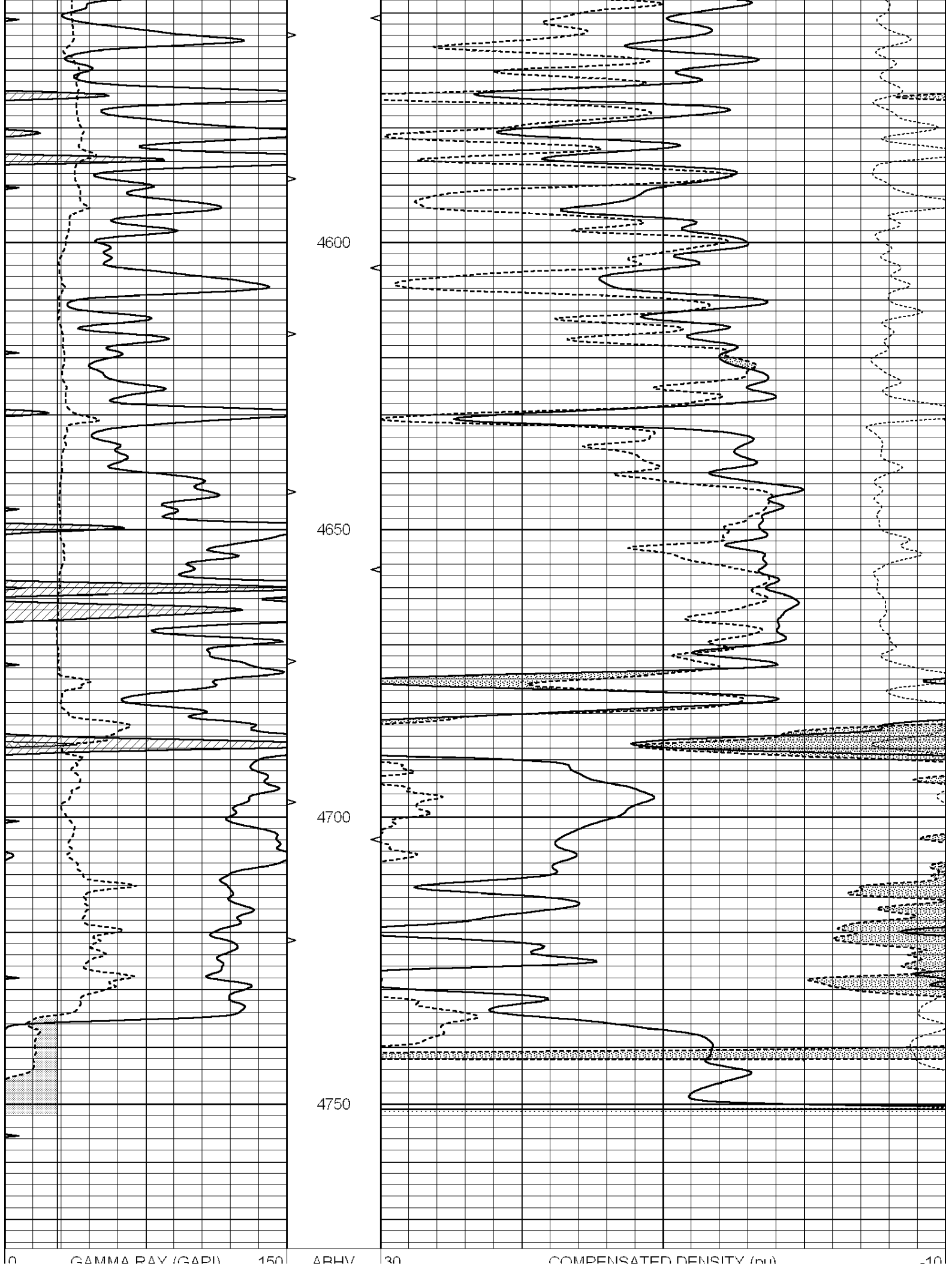












0	GAMMA RAY (GRA)	100	TBHV	0	30	COMPENSATED DENSITY (pu)	10
6	DCAL (in)	16	10 (ft3)	0		COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV			-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10			



DRILL STEM TEST REPORT

Prepared For: **Davidson Oil & Gas**

1905 Vine St.
Hays, KS 67601

ATTN: Maxwell LaFon

Bahm #1

2-16s-35w Wichita,KS

Start Date: 2019.06.08 @ 04:52:28

End Date: 2019.06.08 @ 13:31:28

Job Ticket #: 65230 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.06.12 @ 10:26:34



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Davidson Oil & Gas

2-16s-35w Wichita, KS

1905 Vine St.
Hays, KS 67601

Bahm #1

Job Ticket: 65230

DST#: 1

ATTN: Maxwell LaFon

Test Start: 2019.06.08 @ 04:52:28

GENERAL INFORMATION:

Formation: **LKC E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:06:28

Time Test Ended: 13:31:28

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 4050.00 ft (KB) To 4099.00 ft (KB) (TVD)

Reference Elevations: 3115.00 ft (KB)

Total Depth: 4099.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 40.05 psig @ 4055.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.06.08

End Date:

2019.06.08

Last Calib.: 2019.06.08

Start Time: 04:52:33

End Time:

13:31:28

Time On Btm: 2019.06.08 @ 07:04:28

Time Off Btm: 2019.06.08 @ 11:36:58

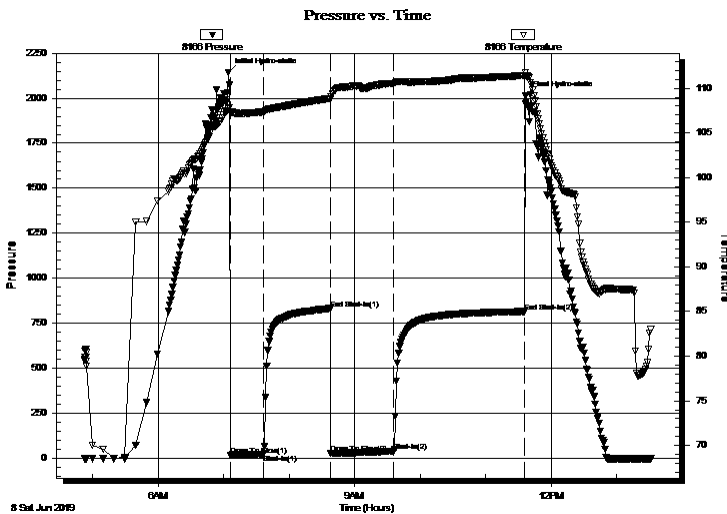
TEST COMMENT: IF: 3/4" blow built to 2 1/2"

IS: No return.

FF: Surface blow built to 2"

FS: No return.

PRESSURE SUMMARY



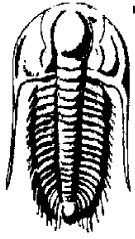
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.13	107.65	Initial Hydro-static
2	18.20	107.35	Open To Flow (1)
32	23.61	107.37	Shut-In(1)
93	831.61	108.87	End Shut-In(1)
94	26.79	108.75	Open To Flow (2)
152	40.05	110.54	Shut-In(2)
271	815.66	111.43	End Shut-In(2)
273	2014.02	111.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	w cm 10%w 90%m	0.88

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Davidson Oil & Gas

2-16s-35w Wichita, KS

1905 Vine St.
Hays, KS 67601

Bahm #1

ATTN: Maxwell LaFon

Job Ticket: 65230

DST#: 1

Test Start: 2019.06.08 @ 04:52:28

GENERAL INFORMATION:

Formation: **LKC E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:06:28

Time Test Ended: 13:31:28

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 4050.00 ft (KB) To 4099.00 ft (KB) (TVD)

Reference Elevations: 3115.00 ft (KB)

Total Depth: 4099.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6651

Inside

Press@RunDepth: psig @ 4055.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.06.08

End Date:

2019.06.08

Last Calib.:

2019.06.08

Start Time: 04:52:39

End Time:

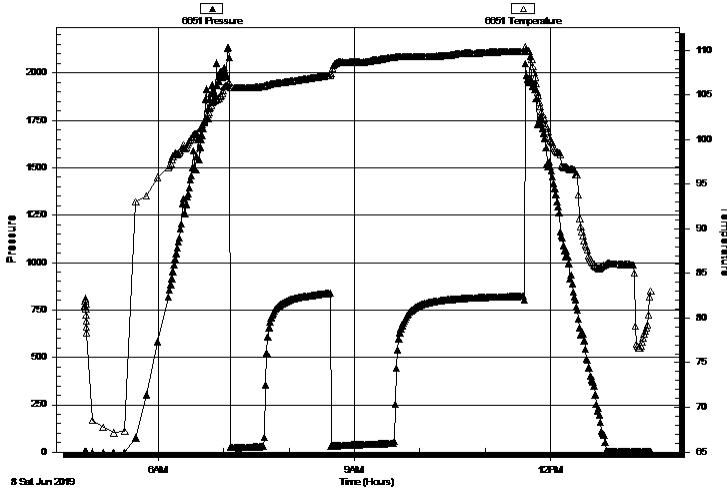
13:31:34

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 3/4" blow built to 2 1/2"
IS: No return.
FF: Surface blow built to 2"
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
63.00	w cm 10%w 90%m	0.88

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Davidson Oil & Gas

2-16s-35w Wichita,KS

1905 Vine St.
Hays, KS 67601

Bahm #1

Job Ticket: 65230

DST#: 1

ATTN: Maxwell LaFon

Test Start: 2019.06.08 @ 04:52:28

Tool Information

Drill Pipe:	Length: 4030.00 ft	Diameter: 3.80 inches	Volume: 56.53 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 56.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4050.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	76.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4028.00	
Shut In Tool	5.00			4033.00	
Hydraulic tool	5.00			4038.00	
Jars	5.00			4043.00	
Safety Joint	2.00			4045.00	
Packer	5.00			4050.00	23.00 Bottom Of Top Packer
Packer - Shale	4.00			4054.00	
Stubb	1.00			4055.00	
Recorder	0.00	6651	Inside	4055.00	
Recorder	0.00	8166	Outside	4055.00	
Perforations	9.00			4064.00	
Change Over Sub	1.00			4065.00	
Drill Pipe	32.00			4097.00	
Change Over Sub	1.00			4098.00	
Bullnose	5.00			4103.00	53.00 Anchor Tool

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Davidson Oil & Gas

2-16s-35w Wichita,KS

1905 Vine St.
Hays, KS 67601

Bahm #1

Job Ticket: 65230

DST#: 1

ATTN: Maxwell LaFon

Test Start: 2019.06.08 @ 04:52:28

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	w cm 10%w 90%m	0.884

Total Length: 63.00 ft Total Volume: 0.884 bbl

Num Fluid Samples: 0

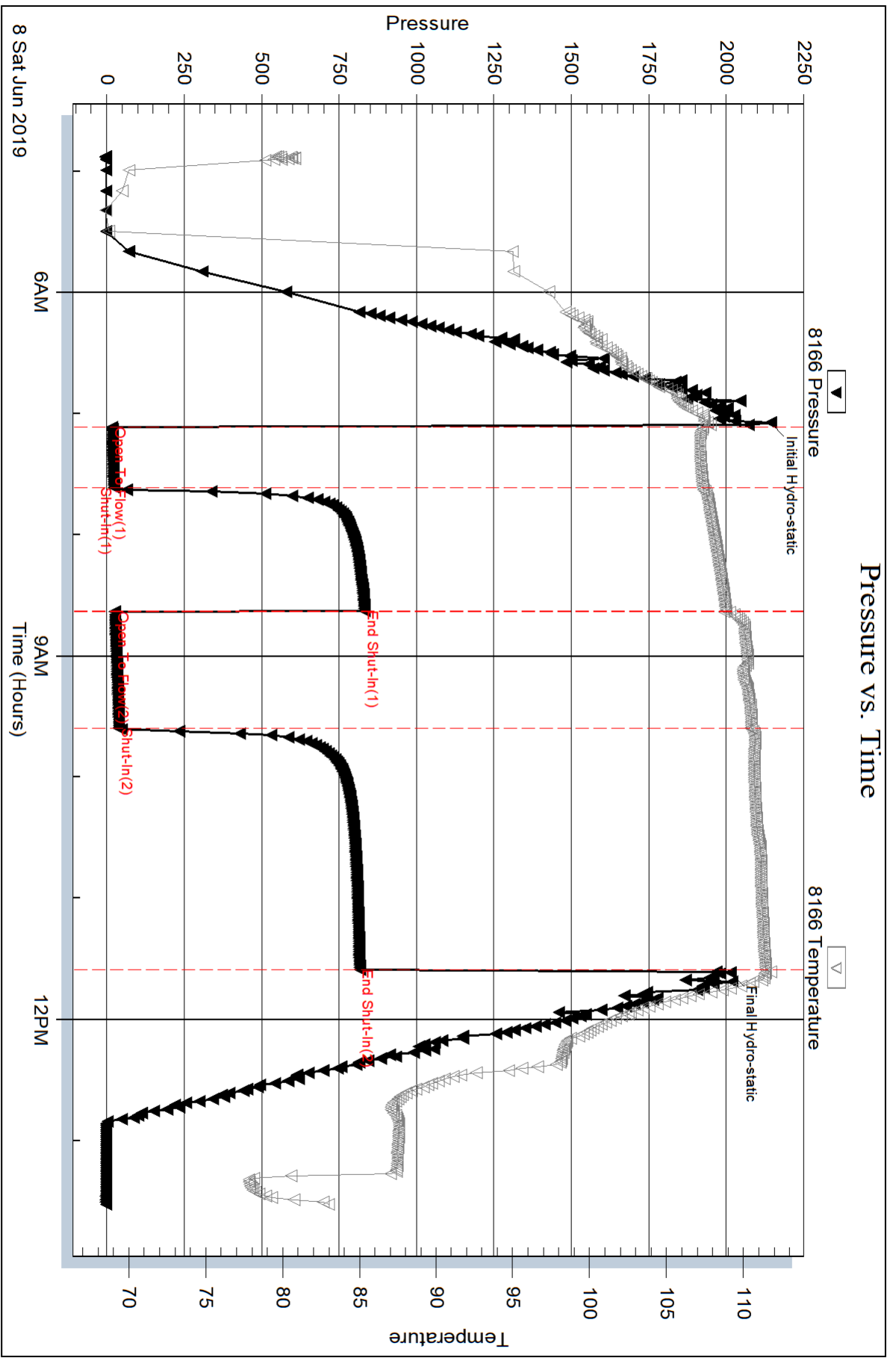
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



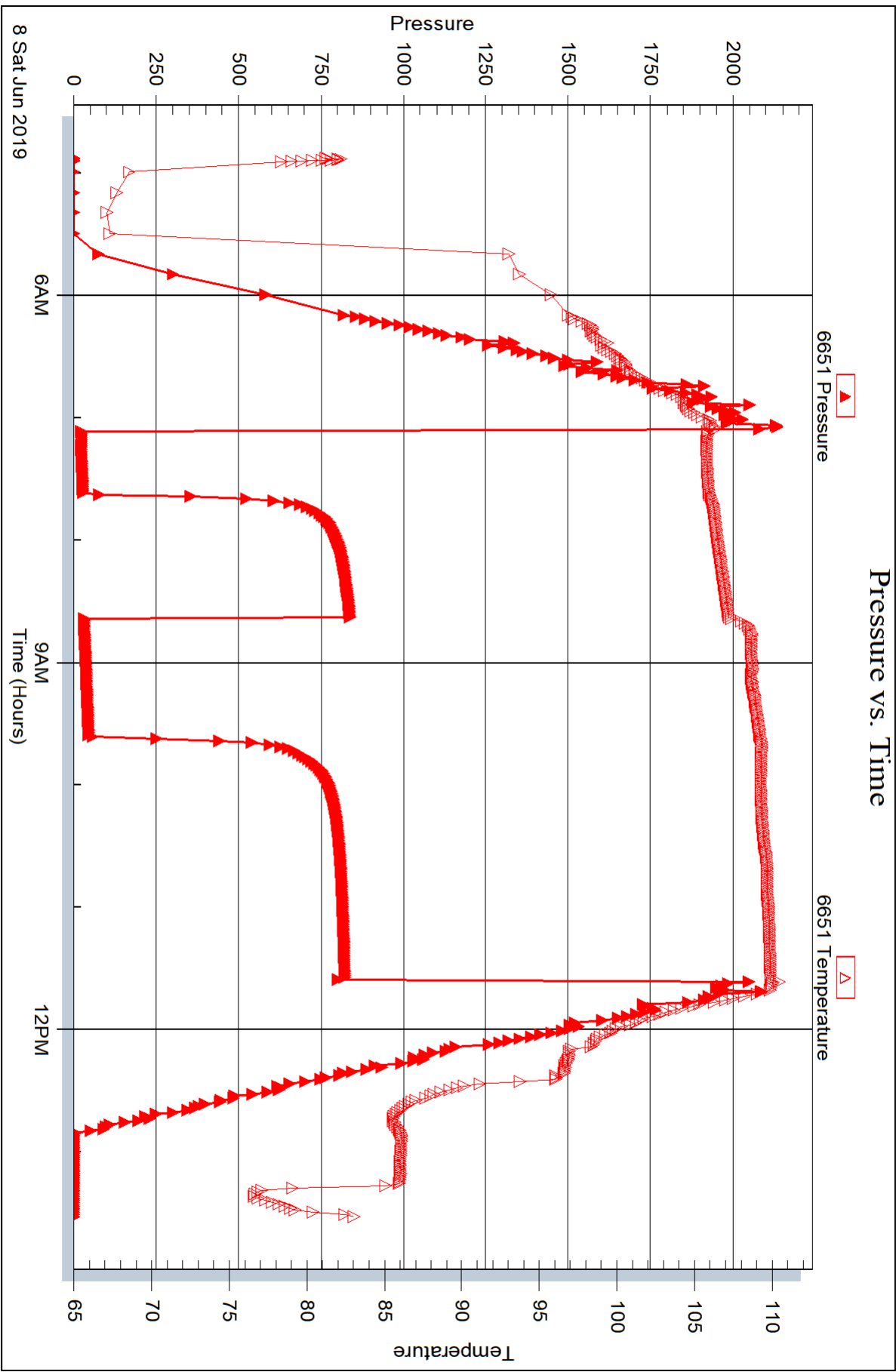
Serial #: 6651

Inside

Davidson Oil & Gas

Bahm #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Davidson Oil & Gas**

1905 Vine St.
Hays, KS 67601

ATTN: Maxwell LaFon

Bahm #1

2-16s-35w Wichita,KS

Start Date: 2019.06.10 @ 19:24:16

End Date: 2019.06.11 @ 04:16:16

Job Ticket #: 65231 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.06.12 @ 10:26:05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Davidson Oil & Gas

2-16s-35w Wichita, KS

1905 Vine St.
Hays, KS 67601

Bahm #1

Job Ticket: 65231

DST#: 2

ATTN: Maxwell LaFon

Test Start: 2019.06.10 @ 19:24:16

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:05:16

Time Test Ended: 04:16:16

Test Type: Conventional Straddle (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4495.00 ft (KB) To 4540.00 ft (KB) (TVD)

Reference Elevations: 3115.00 ft (KB)

Total Depth: 4770.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 177.15 psig @ 4498.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.06.10

End Date:

2019.06.11

Last Calib.:

2019.06.11

Start Time: 19:24:21

End Time:

04:16:16

Time On Btm:

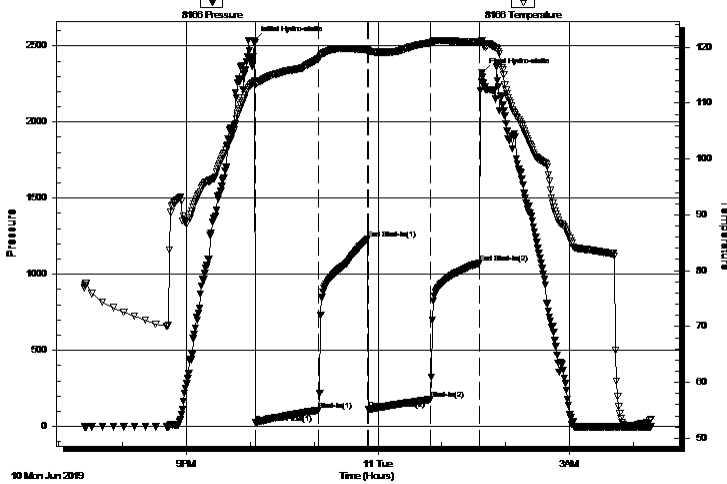
2019.06.10 @ 22:03:46

Time Off Btm:

2019.06.11 @ 01:37:46

TEST COMMENT: IF: BOB in 30 min. 17
IS: No return.
FF: BOB in 48 min. 12
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2531.99	113.81	Initial Hydro-static
2	24.19	113.34	Open To Flow (1)
61	107.57	117.98	Shut-In(1)
107	1232.83	119.65	End Shut-In(1)
107	110.21	118.86	Open To Flow (2)
166	177.15	120.78	Shut-In(2)
212	1071.90	120.84	End Shut-In(2)
214	2325.36	121.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	mcw 70%w 30%m	0.88
126.00	w cm 30%w 70%m	1.77
146.00	w cm 5%w 95%m	2.05

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Davidson Oil & Gas

2-16s-35w Wichita,KS

1905 Vine St.
Hays, KS 67601

Bahm #1

Job Ticket: 65231

DST#: 2

ATTN: Maxwell LaFon

Test Start: 2019.06.10 @ 19:24:16

Tool Information

Drill Pipe:	Length: 4475.00 ft	Diameter: 3.80 inches	Volume: 62.77 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 62.77 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	4495.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	4541.00 ft				
Interval between Packers:	46.00 ft				
Tool Length:	307.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4467.00	
Shut In Tool	5.00			4472.00	
Sampler	2.00			4474.00	
Hydraulic tool	5.00			4479.00	
Jars	5.00			4484.00	
Safety Joint	2.00			4486.00	
Packer	5.00			4491.00	29.00 Bottom Of Top Packer
Packer	4.00			4495.00	
Stubb	1.00			4496.00	
Perforations	2.00			4498.00	
Recorder	0.00	6651	Inside	4498.00	
Recorder	0.00	8166	Outside	4498.00	
Change Over Sub	1.00			4499.00	
Drill Pipe	31.00			4530.00	
Change Over Sub	1.00			4531.00	
Perforations	5.00			4536.00	
Blank Off Sub	1.00			4537.00	
Packer - Shale	4.00			4541.00	46.00 Tool Interval
Packer	0.00			4541.00	
Stubb	1.00			4542.00	
Perforations	1.00			4543.00	
Change Over Sub	1.00			4544.00	
Recorder	0.00	6748	Below	4544.00	
Drill Pipe	223.00			4767.00	
Change Over Sub	1.00			4768.00	
Bullnose	5.00			4773.00	232.00 Bottom Packers & Anchor

Total Tool Length: 307.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Davidson Oil & Gas

2-16s-35w Wichita,KS

1905 Vine St.
Hays, KS 67601

Bahm #1

Job Ticket: 65231

DST#: 2

ATTN: Maxwell LaFon

Test Start: 2019.06.10 @ 19:24:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

40000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 13000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	mcw 70%w 30%m	0.884
126.00	w cm 30%w 70%m	1.767
146.00	w cm 5%w 95%m	2.048

Total Length: 335.00 ft Total Volume: 4.699 bbl

Num Fluid Samples: 0

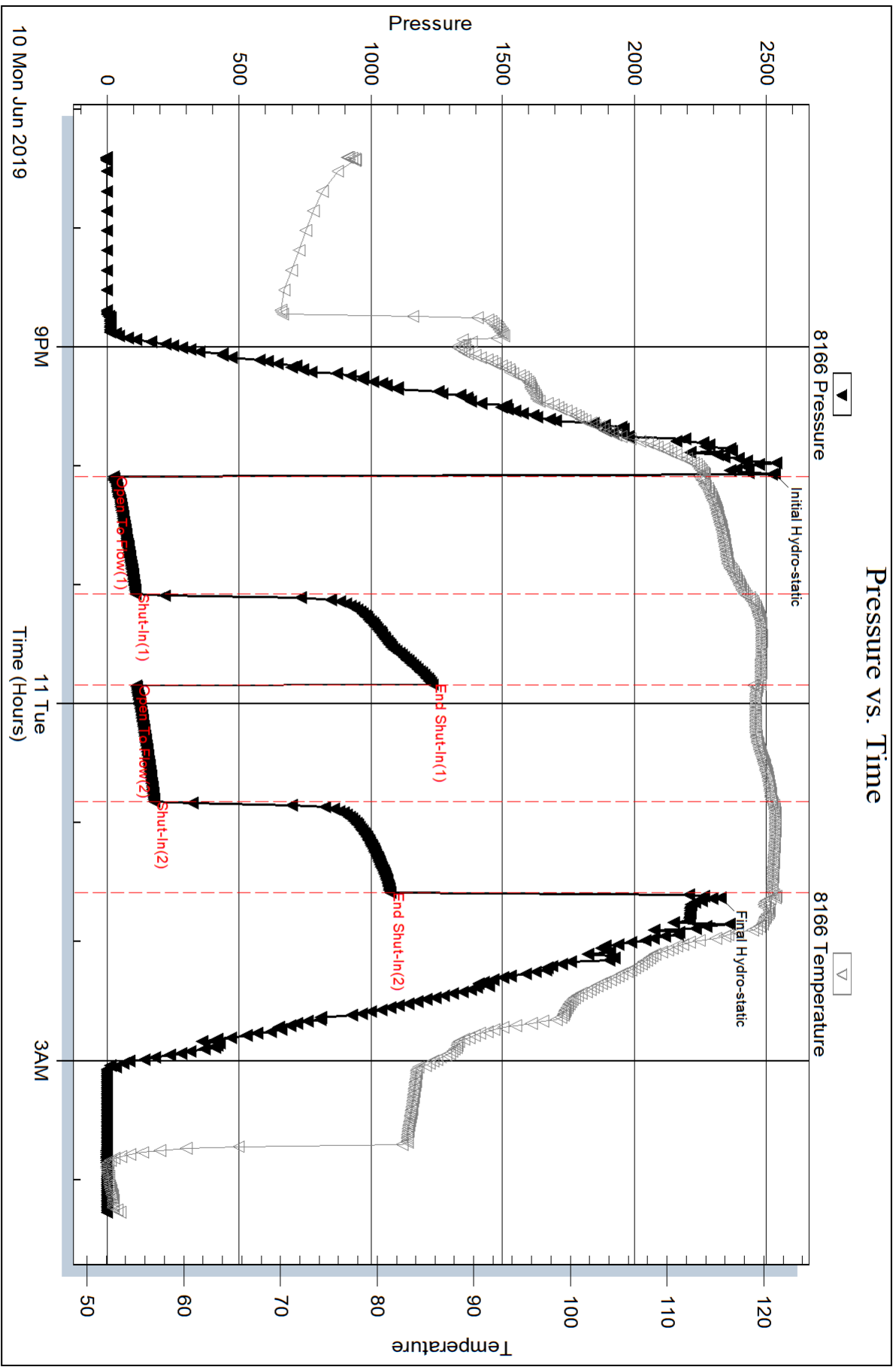
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .23@55=40000



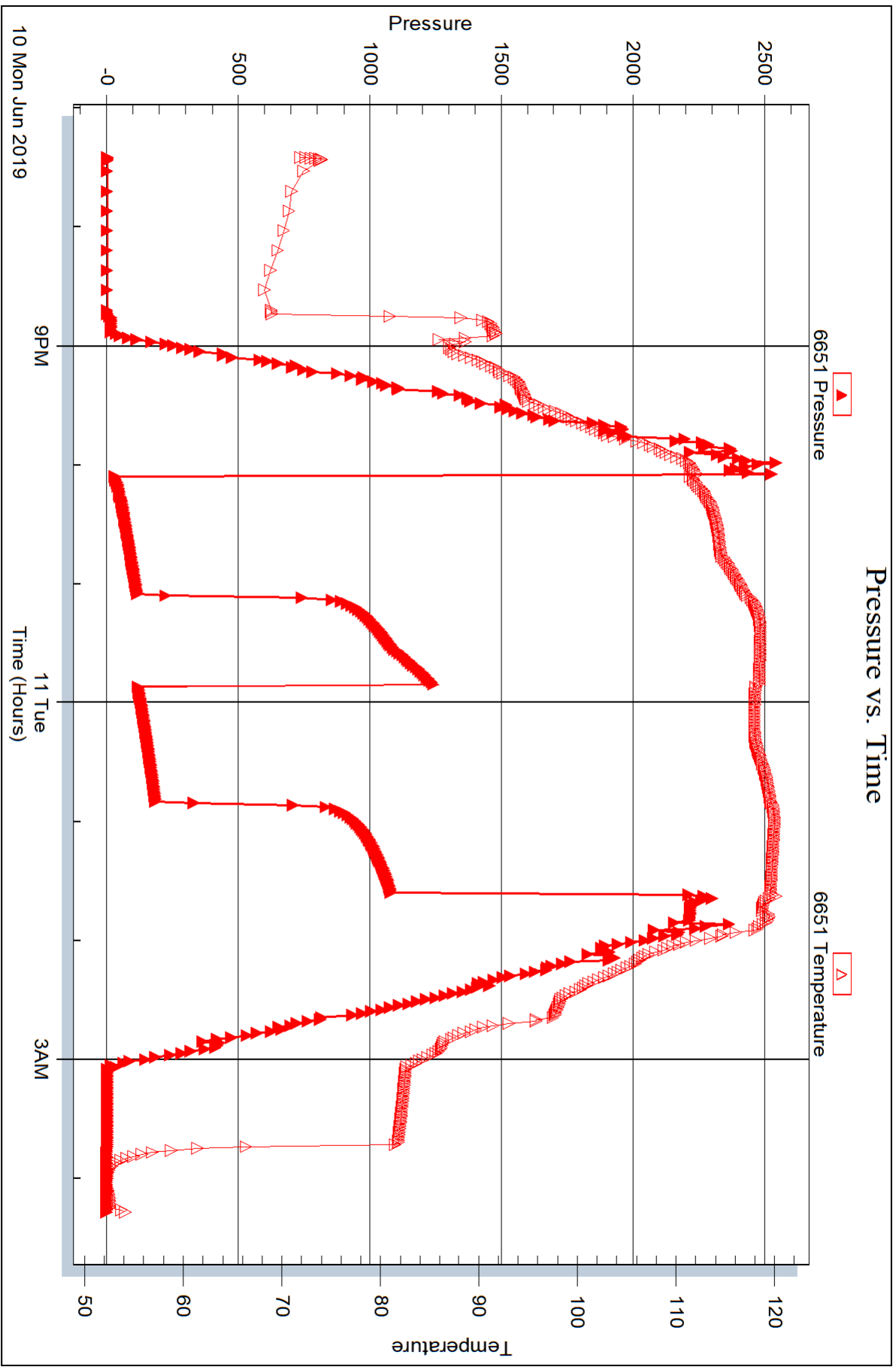
Serial #: 6651

Inside

Davidson Oil & Gas

Bahm #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65231

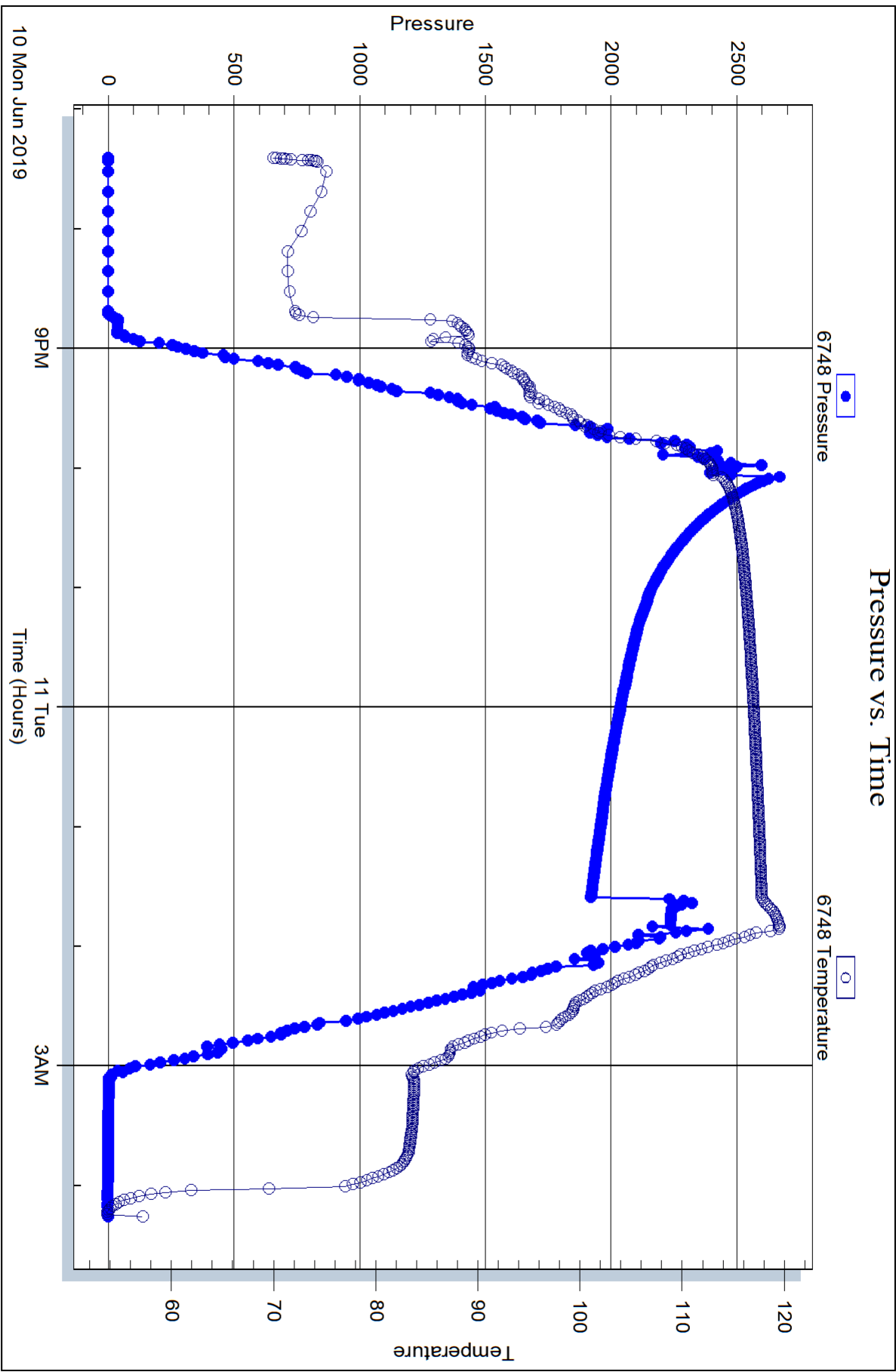
Printed: 2019.06.12 @ 10:26:06

Serial #: 6748

Below (Strat) on Oil & Gas

Bahn #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Davidson Oil & Gas**

1905 Vine St.
Hays, KS 67601

ATTN: Maxwell LaFon

Bahm #1

2-16s-35w Wichita,KS

Start Date: 2019.06.11 @ 04:50:06

End Date: 2019.06.11 @ 12:25:06

Job Ticket #: 65232 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.06.12 @ 10:25:35



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Davidson Oil & Gas

2-16s-35w Wichita, KS

1905 Vine St.
Hays, KS 67601

Bahm #1

Job Ticket: 65232

DST#: 3

ATTN: Maxwell LaFon

Test Start: 2019.06.11 @ 04:50:06

GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:48:06

Time Test Ended: 12:25:06

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4136.00 ft (KB) To 4180.00 ft (KB) (TVD)

Reference Elevations: 3115.00 ft (KB)

Total Depth: 4770.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8166

Outside

Press@RunDepth: 232.79 psig @ 4138.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.06.11

End Date:

2019.06.11

Last Calib.:

2019.06.11

Start Time:

04:50:11

End Time:

12:25:05

Time On Btm:

2019.06.11 @ 06:45:36

Time Off Btm:

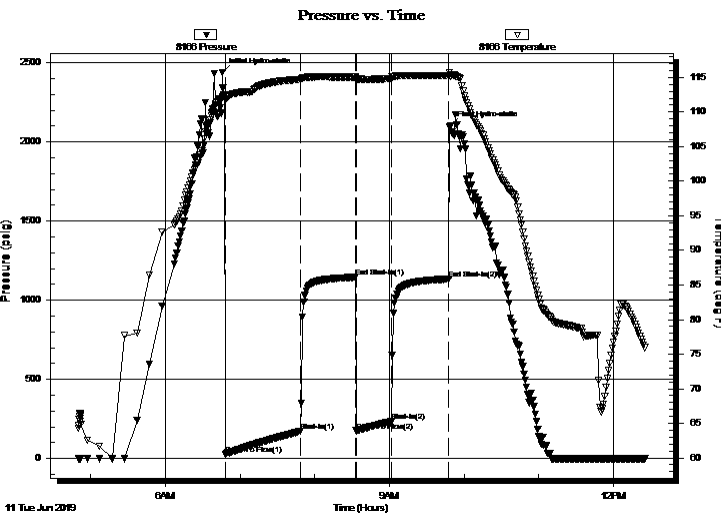
2019.06.11 @ 09:49:06

TEST COMMENT: IF: BOB in 16 min. 31 1/2

IS: No return.

FF: BOB in 22 min 13

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2438.87	112.13	Initial Hydro-static
3	27.85	111.82	Open To Flow (1)
63	172.71	114.69	Shut-In(1)
107	1145.13	115.06	End Shut-In(1)
108	174.61	114.75	Open To Flow (2)
136	232.79	114.86	Shut-In(2)
182	1134.11	115.28	End Shut-In(2)
184	2099.89	115.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 60%w 40%m	1.77
189.00	w cm 20%w 80%m	2.65
157.00	w cm 10%w 90%m	2.20

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Davidson Oil & Gas

2-16s-35w Wichita,KS

1905 Vine St.
Hays, KS 67601

Bahm #1

Job Ticket: 65232

DST#: 3

ATTN: Maxwell LaFon

Test Start: 2019.06.11 @ 04:50:06

Tool Information

Drill Pipe:	Length: 4122.00 ft	Diameter: 3.80 inches	Volume: 57.82 bbl	Tool Weight: 4000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 57.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4136.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	635.00 ft			
Tool Length:	664.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4108.00	
Shut In Tool	5.00			4113.00	
Sampler	2.00			4115.00	
Hydraulic tool	5.00			4120.00	
Jars	5.00			4125.00	
Safety Joint	2.00			4127.00	
Packer	5.00			4132.00	29.00 Bottom Of Top Packer
Packer	4.00			4136.00	
Stubb	1.00			4137.00	
Perforations	1.00			4138.00	
Recorder	0.00	6651	Inside	4138.00	
Recorder	0.00	8166	Outside	4138.00	
Change Over Sub	1.00			4139.00	
Drill Pipe	31.00			4170.00	
Change Over Sub	1.00			4171.00	
Perforations	5.00			4176.00	
Blank Off Sub	1.00			4177.00	
Packer - Shale	4.00			4181.00	
Stubb	1.00			4182.00	
Perforations	11.00			4193.00	
Change Over Sub	1.00			4194.00	
Recorder	0.00	6748	Below	4194.00	
Drill Pipe	571.00			4765.00	
Change Over Sub	1.00			4766.00	
Bullnose	5.00			4771.00	635.00 Bottom Packers & Anchor

Total Tool Length: 664.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Davidson Oil & Gas

2-16s-35w Wichita,KS

1905 Vine St.
Hays, KS 67601

Bahm #1

Job Ticket: 65232

DST#: 3

ATTN: Maxwell LaFon

Test Start: 2019.06.11 @ 04:50:06

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 130000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	mcw 60%w 40%m	1.767
189.00	w cm 20%w 80%m	2.651
157.00	w cm 10%w 90%m	2.202

Total Length: 472.00 ft Total Volume: 6.620 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

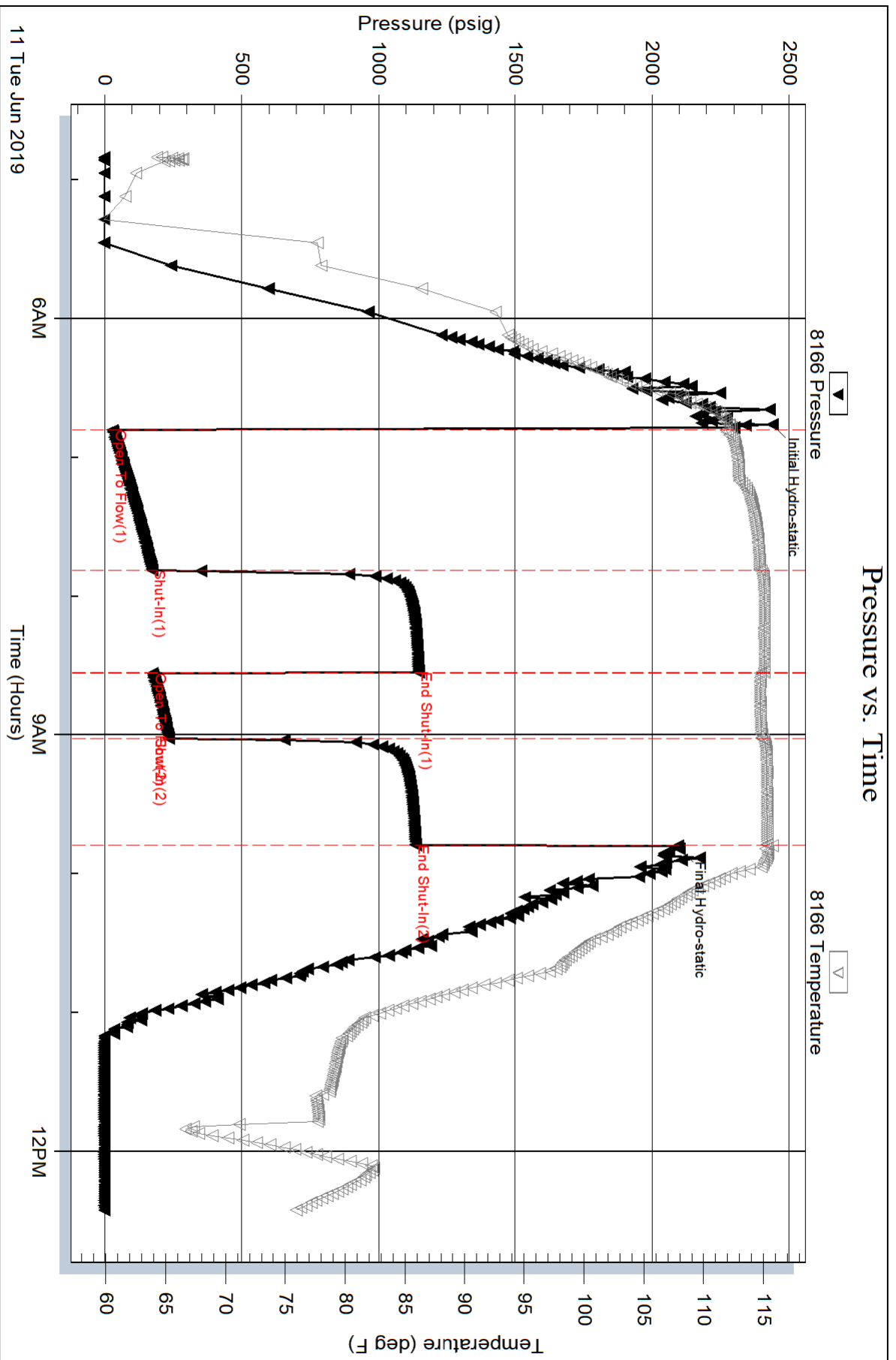
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .22@74=30000

Pressure vs. Time



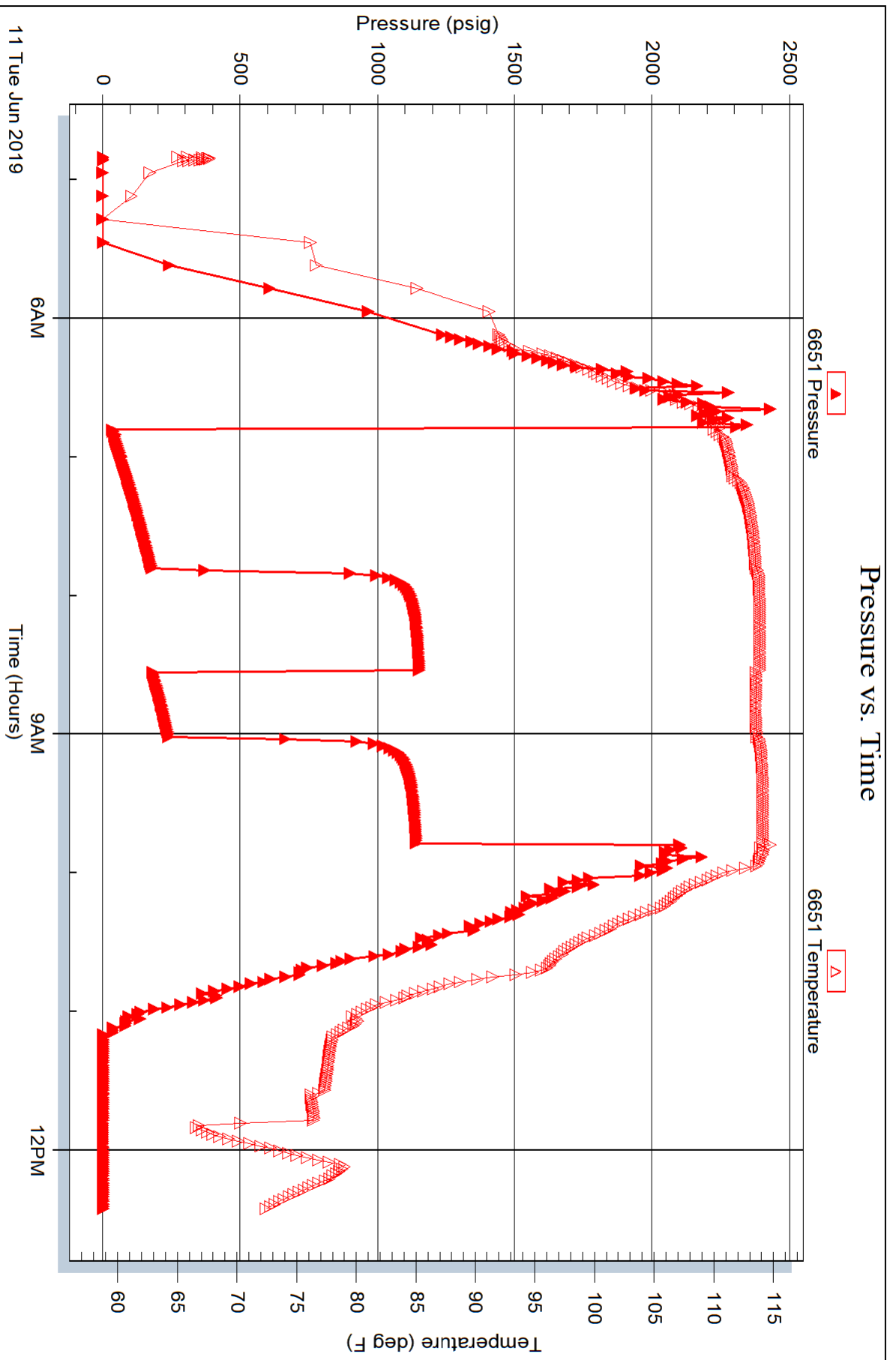
Serial #: 6651

Inside

Davidson Oil & Gas

Bahm #1

DST Test Number: 3

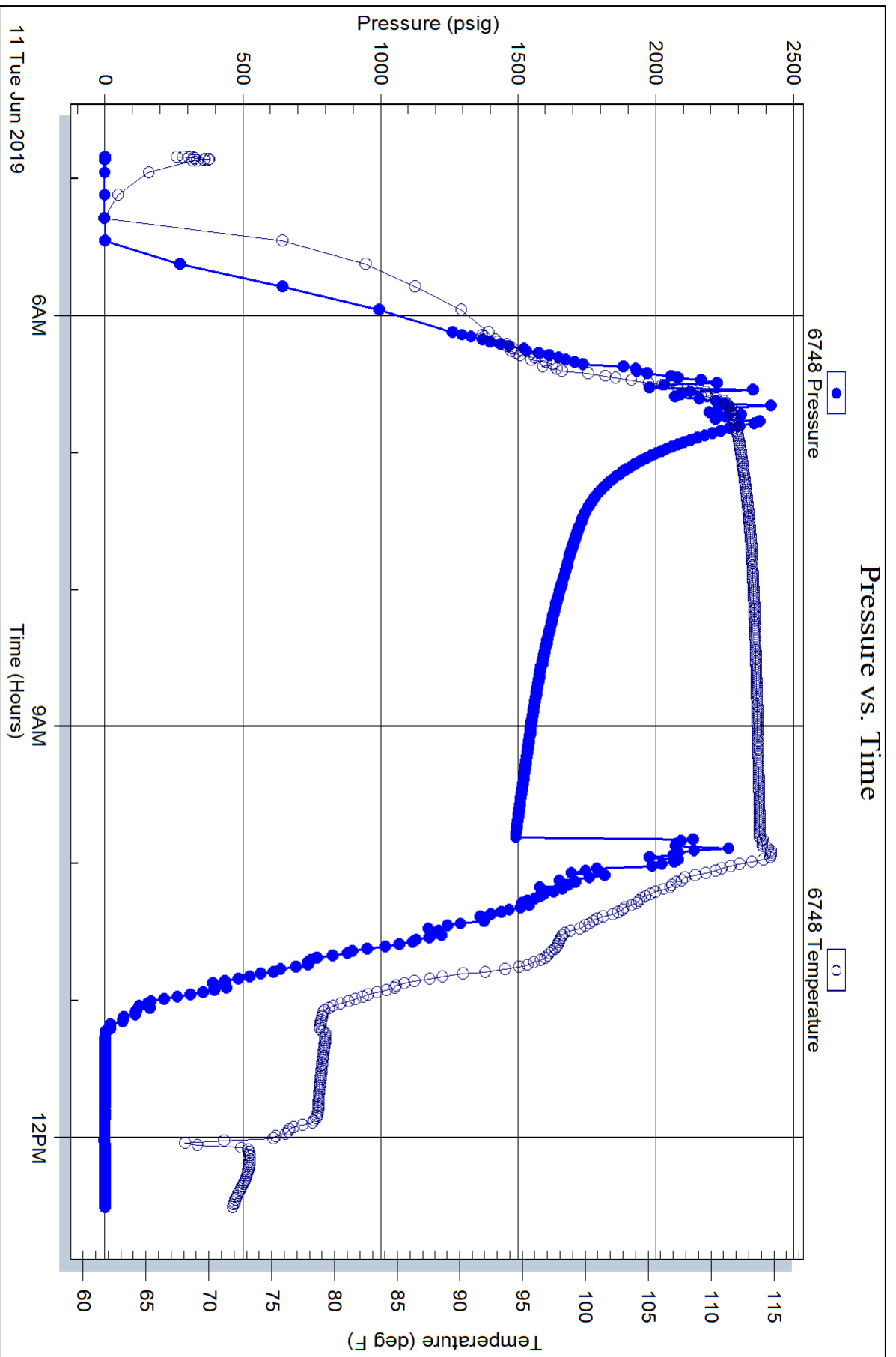


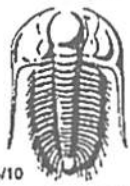
Serial #: 6748

Below (Strat) on Oil & Gas

Bahn #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65230

Well Name & No. Bahm #1 Test No. 1 Date 6-8-19
 Company Davidson oil & Gas Elevation 3115 KB 3110 GL
 Address 1905 Vine st Hays, KS 67601
 Co. Rep / Geo. Ned Lafon Rig White Knight
 Location: Sec. 2 Twp 16S Rge. 35W Co. Wichita State KS

Interval Tested 4050 4099 Zone Tested E-F
 Anchor Length 49 Drill Pipe Run 4030 Mud Wt. 9.0
 Top Packer Depth 4045 Drill Collars Run — Vis 49
 Bottom Packer Depth 4050 Wt. Pipe Run — WL 12.0
 Total Depth 4099 Chlorides 10000 ppm System LCM Z

Blow Description IF: 3/4 blow built to 2 1/2.
IS: No return.
FF: Surface blow built to 2,
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>wcm</u>		<u>10</u>	<u>90</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 63 BHT 111 Gravity — API RW — @ — ° F Chlorides — ppm

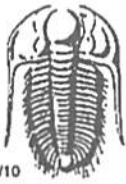
(A) Initial Hydrostatic 2143 Test 1300
 (B) First Initial Flow 18 Jars 250
 (C) First Final Flow 23 Safety Joint 75
 (D) Initial Shut-In 831 Circ Sub
 (E) Second Initial Flow 26 Hourly Standby NIL
 (F) Second Final Flow 40 Mileage 68 68
 (G) Final Shut-In 815 Sampler
 (H) Final Hydrostatic 2014 Straddle
 Shale Packer 250
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1943

T-On Location 4:05
 T-Started 4:52
 T-Open 7:06
 T-Pulled 11:36
 T-Out 13:32
 Comments
 EM Tool
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1943
 MP/DST Disc't

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 120
Mulliken

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65231

Well Name & No. Bghm #1 Test No. 2 Date 6-10-19
 Company Davidson oil & Gas Elevation 3115 KB 3110 GL
 Address _____
 Co. Rep / Geo. Maxwell Lyon Rig White Knight
 Location: Sec. 2 Twp 16S Rge. 35W Co. Wichita State KS

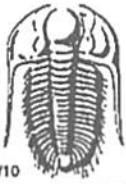
Interval Tested 4495 4540 Zone Tested Ft. Scott
 Anchor Length _____ Drill Pipe Run 4475 Mud Wt. 9.5
 Top Packer Depth _____ Drill Collars Run _____ Vis 40
 Bottom Packer Depth _____ Wt. Pipe Run _____ WL 13.0
 Total Depth 4770 Chlorides 13000 ppm System LCM 1 1/2
 Blow Description IF: BoB in 30 min. 17"
IS: NO return.
FF: BoB in 48 min. 12"
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>146</u>	<u>wcm</u>		<u>5</u>	<u>95</u>	
<u>126</u>	<u>wcm</u>		<u>30</u>	<u>70</u>	
<u>63</u>	<u>MCW</u>		<u>70</u>	<u>30</u>	
_____	_____				
_____	_____				

Rec Total 335 BHT 120 Gravity _____ API RW .23 @ 55° F Chlorides 40,000 ppm

(A) Initial Hydrostatic <u>2531</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>19:20</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>19:24</u>
(C) First Final Flow <u>107</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>22:04</u>
(D) Initial Shut-In <u>1232</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>1:34</u>
(E) Second Initial Flow <u>110</u>	<input checked="" type="checkbox"/> Hourly Standby <u>100.00</u>	T-Out <u>4:20</u>
(F) Second Final Flow <u>177</u>	<input checked="" type="checkbox"/> Mileage <u>68- 68</u>	Comments _____
(G) Final Shut-In <u>1071</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2325</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> EM Tool _____
Initial Open <u>60</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>45</u>	<input checked="" type="checkbox"/> Day Standby <u>1.5d 15.75h</u>	Sub Total <u>525</u>
	<input type="checkbox"/> Accessibility _____	Total <u>3168</u>
	Sub Total <u>2643</u>	MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65232

Well Name & No. B4hm #1 Test No. 3 Date 6-11-19
 Company Davidson oil & Gas Elevation 3115 KB 3110 GL
 Address _____
 Co. Rep / Geo. Maxwell Lefon Rig white knight
 Location: Sec. 2 Twp 16S Rge. 35W Co. Wichita State KS

Interval Tested 4136 4180 Zone Tested H
 Anchor Length _____ 44 Drill Pipe Run 4122 Mud Wt. 2.5
 Top Packer Depth _____ 4136 Drill Collars Run _____ Vis 40
 Bottom Packer Depth _____ 4180 Wt. Pipe Run _____ WL 13.00
 Total Depth _____ 4770 Chlorides 13000 ppm System LCM 1 1/2
 Blow Description IF: BoB in 16 min. 3 1/2.
IS: No return.
FF: BoB in 22 min. 13"
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>157</u>	<u>wcm</u>		<u>10</u>	<u>90</u>	
<u>189</u>	<u>wcm</u>		<u>20</u>	<u>80</u>	
<u>126</u>	<u>mcw</u>		<u>60</u>	<u>40</u>	
_____	_____				
_____	_____				

Rec Total 472 BHT 115 Gravity _____ API RW .22 @ 74° F Chlorides 30,000 ppm

(A) Initial Hydrostatic <u>2438</u>	<input checked="" type="checkbox"/> Test 1300	T-On Location <u>4:20</u>
(B) First Initial Flow <u>27</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>4:50 4:50</u>
(C) First Final Flow <u>172</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>6:48 6:48</u>
(D) Initial Shut-In <u>1145</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>9:48</u>
(E) Second Initial Flow <u>174</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>12:26</u>
(F) Second Final Flow <u>232</u>	<input checked="" type="checkbox"/> Mileage <u>68-</u>	Comments _____
(G) Final Shut-In <u>1134</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2099</u>	<input checked="" type="checkbox"/> Straddle 600	<input type="checkbox"/> EM Tool _____
Initial Open <u>60</u>	<input checked="" type="checkbox"/> Shale Packer 250	<input checked="" type="checkbox"/> Ruined Shale Packer 350
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30 30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>350</u>
	<input type="checkbox"/> Accessibility _____	Total <u>2825</u>
	Sub Total <u>2475</u>	MP/DST Disc'l _____

Approved By _____

Our Representative _____

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 1438

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-3-19	2	16	35	Wichita, KS			4:30P
Lease				Location			
Bahm				Pence End Black Top 2w 2 1/2" Fin to			

Contractor	Well No.	Owner	
White Knight	1	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		Charge To	
Surface		Davidson Oil & Gas	
Hole Size	T.D.	Street	
12 1/4	221		
Csg.	Depth	City	
8 5/8	219		
Tbg. Size	Depth	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	
10'		150	3 1/2" 2" GEL
Meas Line	Displace		
	13 BCL		

EQUIPMENT

Pumptrk	No.	Cement Helper	Common
20		Tom	150
Bulktrk	No.	Driver	Poz. Mix
		Driver	3
Bulktrk	No.	Driver	Calcium
9		Jack	6

JOB SERVICES & REMARKS

Remarks:	Hulls
Took 170 slk com	Salt
for extra if had any	Flowseal
mouse hole	Kol-Seal
sand	Mud CLR 48
Centralizers	CFL-117 or CD110 CAF 38
Baskets	Sand
D/V or Port Collar	Handling
8 5/8 on bottom. Est Circulation	170
Mix 150 slk & Displace	Mileage
Cement Circulated	

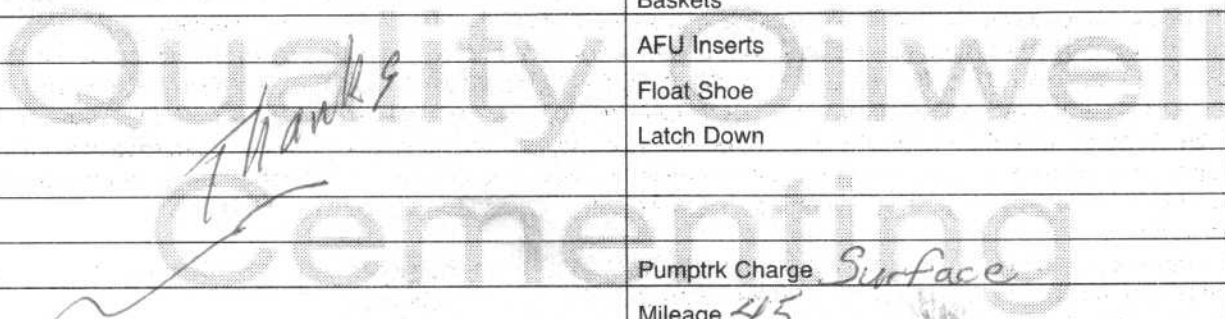
FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge Surface
Mileage 45

Tax
Discount
Total Charge

X Signature



DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- PRICES AND TAXES: All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- TOWING CHARGES: QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- DEADHAUL CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- SERVICE CONDITIONS AND LIABILITIES: 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

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. 1441

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-11-19	2	16	35	Wichita	KS		
Lease Bahm				Location Prince W End Block rd 2w 2 1/2 E into		Well No. 1	
Contractor White Knight				Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job Rotary Plug				Charge To Davidson Oil & Gas			
Hole Size 7 7/8		T.D. 4769		Street 1905 Vine Street			
Csg.		Depth		City Hays State KS			
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Tool		Depth		Cement Amount Ordered 280 60/40 4% CFL 44#F10			
Cement Left in Csg.		Shoe Joint					
Meas Line				Displace			
EQUIPMENT				Common 170			
Pumptrk 20 No.		Cementer <i>Greg</i>		Poz. Mix 110			
		Helper <i>Tony P</i>					
Bulktrk No.		Driver		Gel. 10			
		Driver					
Bulktrk 15 No.		Driver <i>Doug</i>		Calcium			
		Driver					
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole 30SK				Flowseal 75#			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
1st 2400		50SK		Handling 290			
2nd 1500		80SK		Mileage			
3rd 780		50SK		FLOAT EQUIPMENT			
4th 200		50SK		Guide Shoe			
5th 60		20SK		Centralizer			
6th Rat Hole 30SK				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down 1x 8 5/8 wooden Plug.			
280 SK 60/40 4% gl				Pumptrk Charge plug			
1/4 Flr-seal				Mileage 45			
Thanks!							
Signature <i>Doug</i>				Tax			
				Discount			
				Total Charge			

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- PRICES AND TAXES: All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- TOWING CHARGES: QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- DEADHAUL, CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- SERVICE CONDITIONS AND LIABILITIES: 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.