Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1104884

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4767
Name: Ritchie Exploration, Inc.
Address 1: 8100 E 22ND ST N # 700
Address 2: BOX 783188
City: WICHITA State: KS Zip: 67278 + 3188
Contact Person: John Niernberger
Phone: (316) 691-9500
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Bob Peterson
Purchaser:

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ 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 ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

08/17/2012	08/30/2012	08/30/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-057-20836-00-00
Spot Description: 248'N & 139'E of
NE - NE - NW - NE Sec. 19 Twp. 27 S. R. 25 ☐ East ☑ West
82 Feet from ☑ North / ☐ South Line of Section
1459 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ford
Lease Name: Schneweis-Turley Well #: 1
Field Name:
Producing Formation: none
Elevation: Ground: 2594 Kelly Bushing: 2605
Total Vertical Depth: 5230 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 353 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: 11600 ppm Fluid volume: 1100 bbls
Dewatering method used: Evaporated
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: 12/14/2012
☑ **Confidential Release Date:** 12/14/2014
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 12/17/2012

1104884

Operator Name: Ritchie Exploration, Inc. Lease Name: Schneweis-Turley Well #: 1

Sec. 19 Twp. 27 S. R. 25 ☐ East ☑ West County: Ford

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Dual Induction Log
Compensated Density/Neutron Log

☐ Log Formation (Top), Depth and Datum ☑ Sample

Name	Top	Datum
SEE ATTACHED		

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	353	common	230	2% gel, 3% cc

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

RITCHIE EXPLORATION, INC.

WELL: SCHNEWEIS-TURLEY #1
LOC.:82' FNL & 1459' FEL
SEC. 19-27S-25W
FORD COUNTY, KANSAS
API: 15-057-20836-00-00

DRILLING CONTR.: DUKE RIG 19
SPUD: 08-17-12 COMP: 08-30-12
MUD UP: 3572' TYPE MUD: CHEM.
DRILL TIME: 2600-RTD
RTD: 5230' LTD: 5224'
SAMPLES SAVED: 3900'-RTD
GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2605'
GL: 2594'
LOG MEASURED
FROM: KB

SURFACE CASING

8 5/8" Set @353'

PRODUCTION CASING

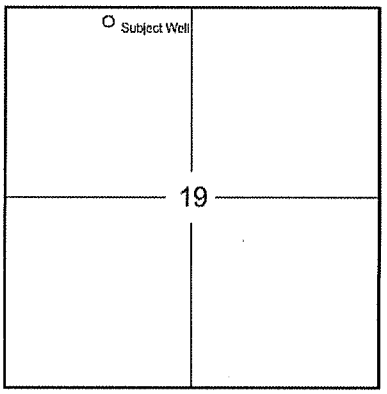
D & A

WELL LOG SURVEYS

Dual Induction
Compensated Density

ELECTRIC LOG TOPS

Formation	Depth	Datum	Pos. A	Pos. B
Chase	2693	-88	+24	-22
Stotler	3582	-977	+36	-17
Heebner	4249	-1644	+27	-62
Toronto	4264	-1659	+29	-57
Lansing	4359	-1754	+21	-68
Muncie Creek	4544	-1939	+15	-69
Stark	4660	-2055	+58	-51
Hushpuckney	4703	-2098	+50	-65
BKC	4755	-2150	+43	-66
Marmaton	4790	-2185	+48	-51
Pawnee	4883	-2278	+51	-48
Cherokee SH	4926	-2321	+53	-45
Huck	5016	-2411	+46	-47
Atoka	5024	-2419	+49	-41
Miss	5061	-2456	+48	-38



REFERENCE WELL:

Well A:
Blueridge Petroleum
#1-11 Gjerstad
195' N/46' W of
SE NW SW
11-27-25W

Well B:
Rine Drilling
#1-31 Broce Construction
660' FNL & 1980' FEL
31-26-25W

DAILY REPORT

@7:00 A.M.

8-17-12 MIRU
8-18-12 Setting Surface
8-19-12 827'
8-20-12 2509'
8-21-12 3227'
8-22-12 3776'
8-23-12 4275'
8-24-12 4578'
8-25-12 4906'

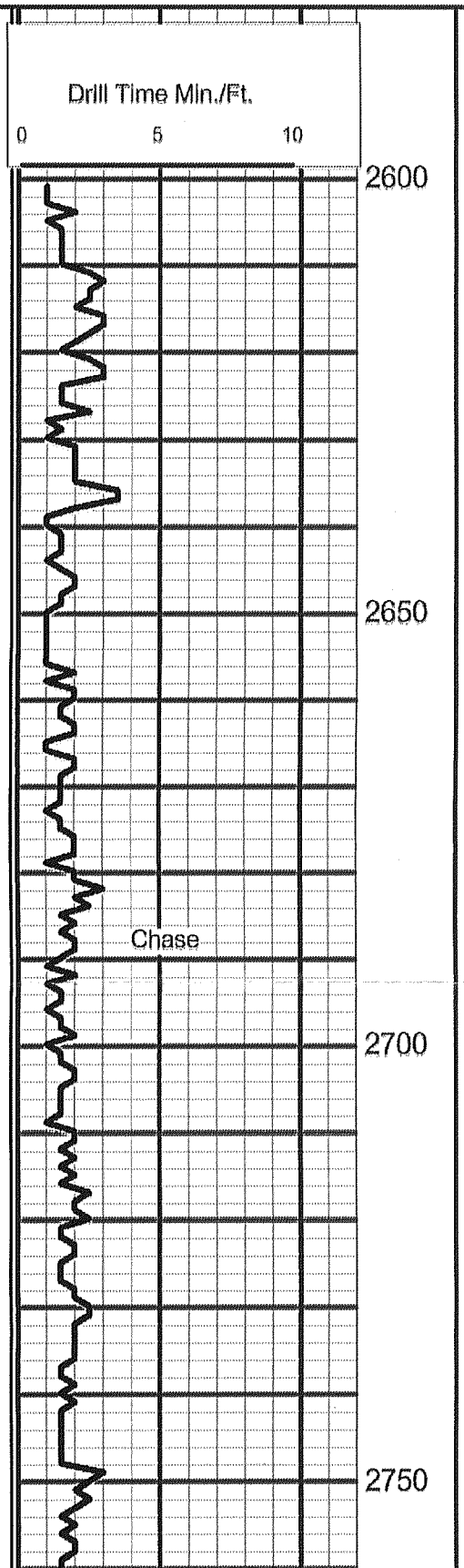
REMARKS AND RECOMMENDATIONS

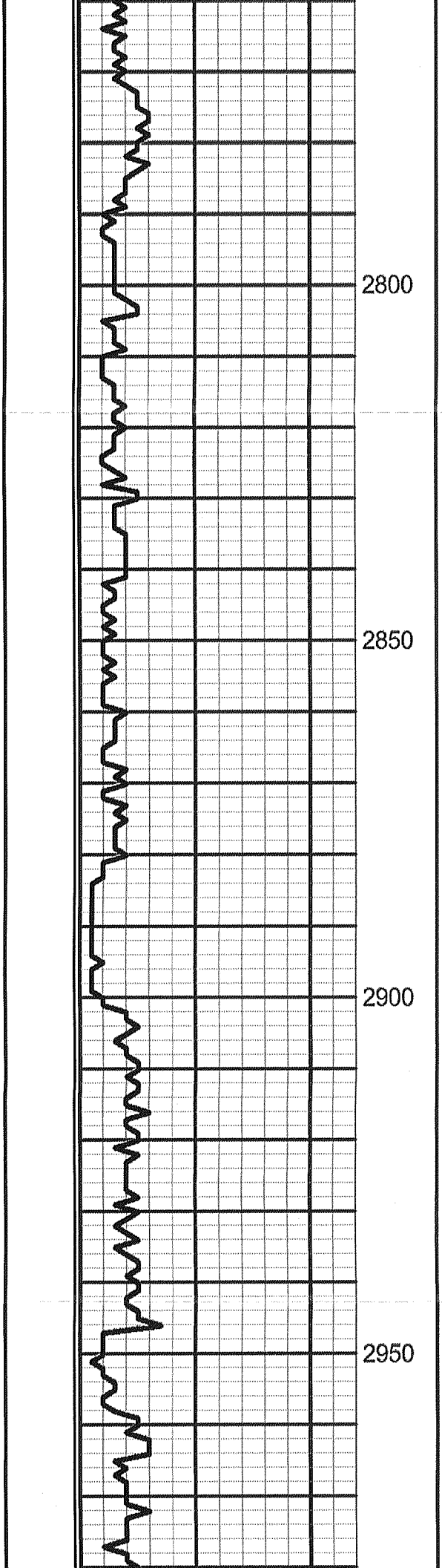
Based on the results of the drill stem test results this test was plugged and abandoned by the operator.

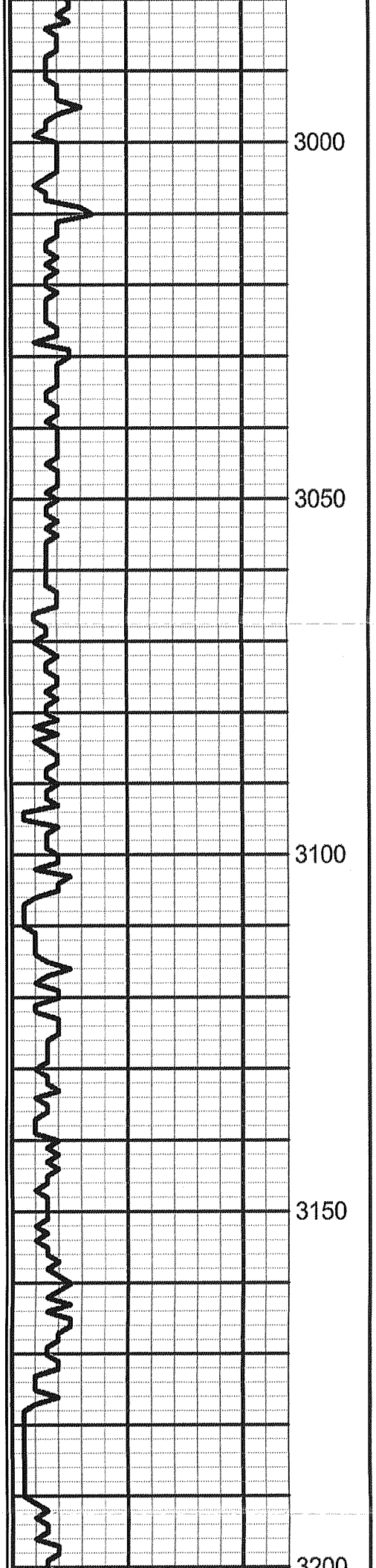
Respectfully submitted,

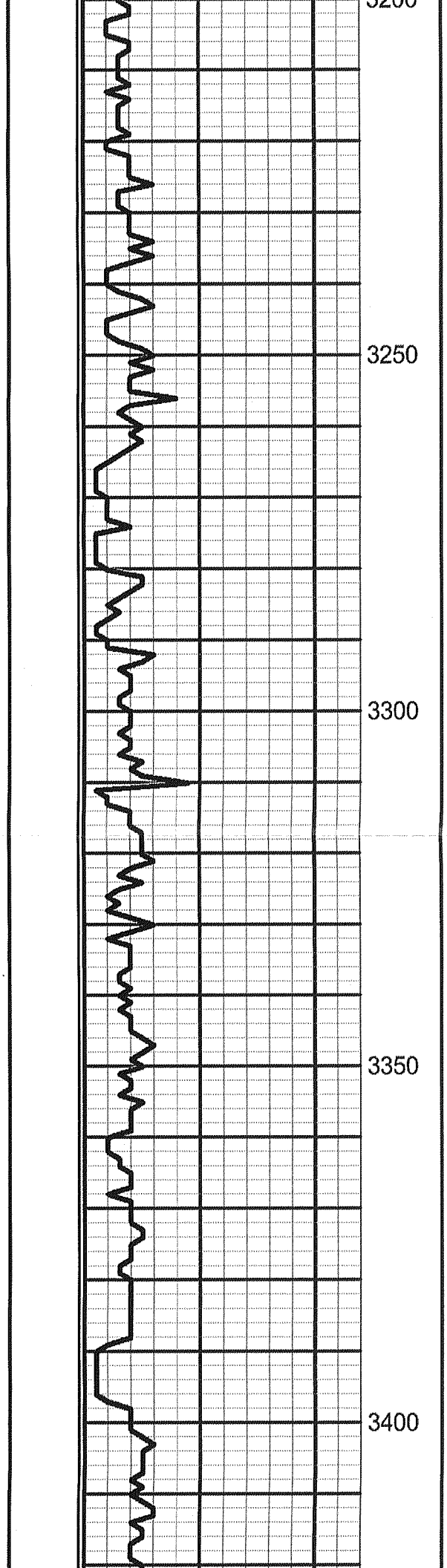
Robert J. Petersen

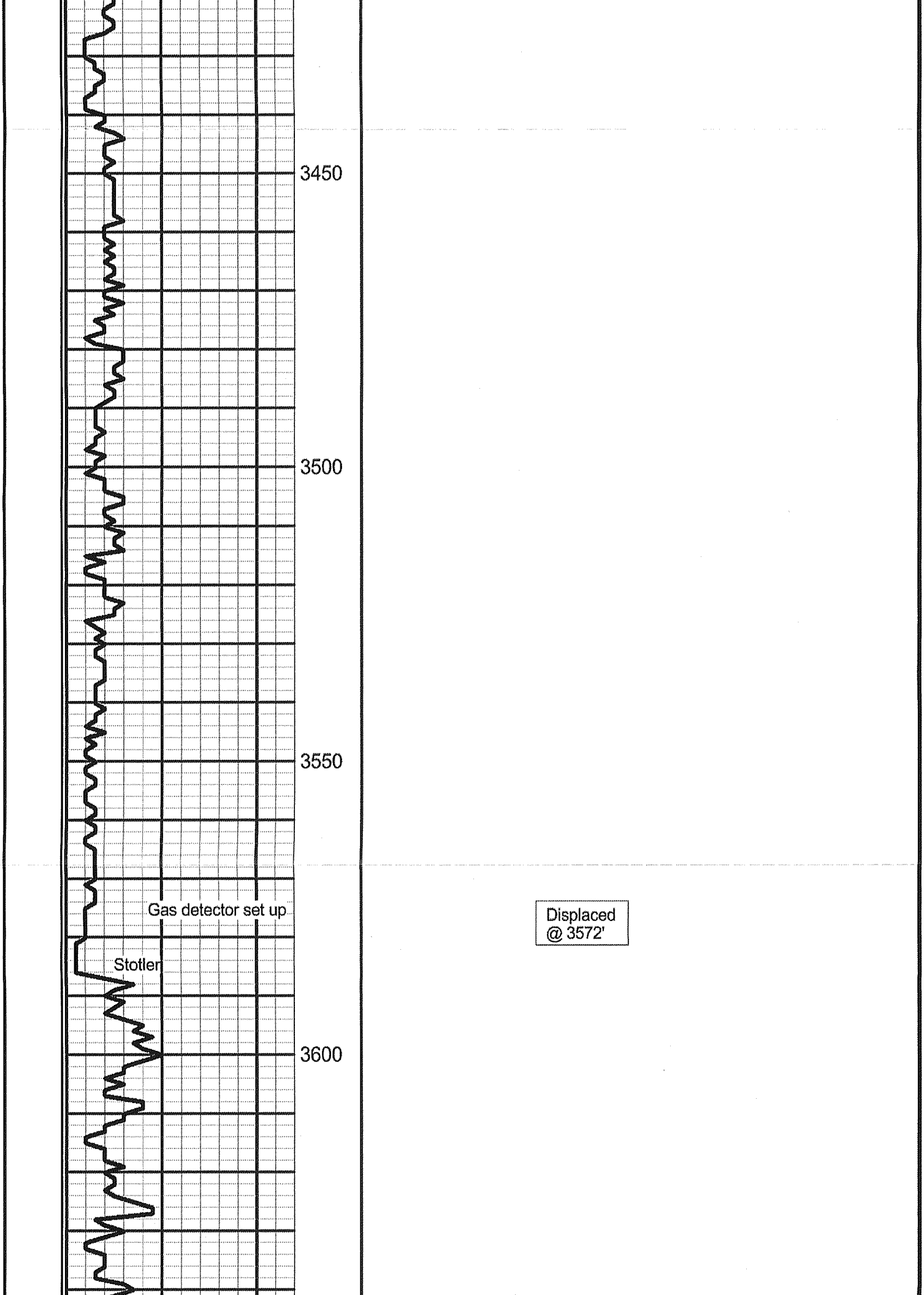
8-26-12 4930'
8-27-12 5072'
8-29-12 5178'
8-30-12 5230' RTD

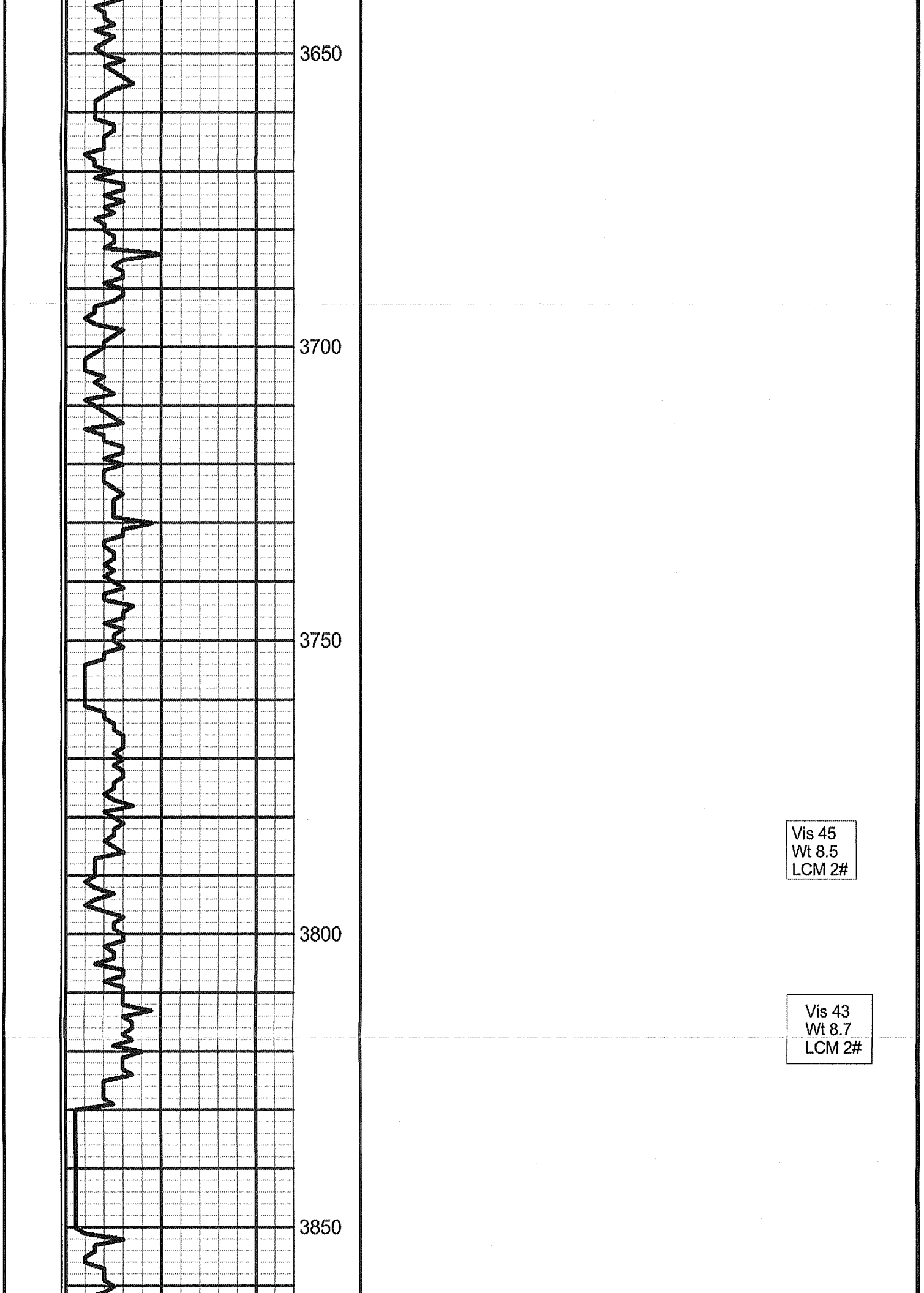


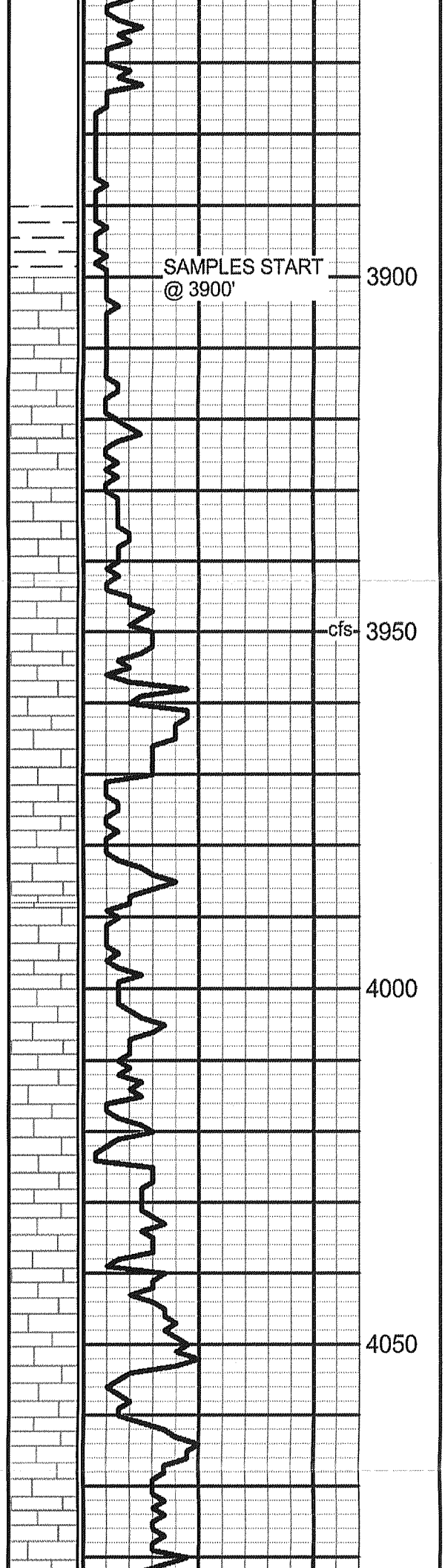

2800
2850
2900
2950


3000
3050
3100
3150
3200


3200
3250
3300
3350
3400


3450
3500
3550
Gas detector set up
Stotler
3600
Displaced
@ 3572'


3650
3700
3750
3800
3850
Vis 45
Wt 8.5
LCM 2#
Vis 43
Wt 8.7
LCM 2#



SAMPLE DESCRIPTION

LS; Cream/tan, fine crystalline, foss + SD; Cream, fine grained + SH; Red/gray (3900)

LS; Cream, fine crystalline, foss, chalky + SH; Gray (3910)

LS; Cream/gray, mottled, foss, chalky, trace dead stain + SH; Gray (3920)

SH; Gray (3930)

LS; Cream, fine crystalline, foss, cherty (3940)

LS; Cream, fine crystalline, ool, chalky (3950/ 30")

LS; Cream/tan, fine crystalline, ool, granular, sl chalky + SH; Gray (3960-3970)

LS; Lt gray/tan, fine crystalline, oolitic-granular, cherty + SH; Dark gray, sandy (3980)

LS; Cream/gray, fine crystalline, oolitic-granular/oomoldic w/gray chert inclusion, tr dead stain + SH; Red/gray (3990-4000)

LS;Gray, medium to coarse crystalline, ool, sl dolo, mineral stain + SH; Gray (4010)

LS; Cream/lt gray, fine crystalline, oomoldic, cherty (4020)

LS; Tan, fine crystalline, dolo, foss (4030)

SH; Gray (4030)

LS; Cream/lt gray, fine to medium crystalline, foss, cherty (4040)

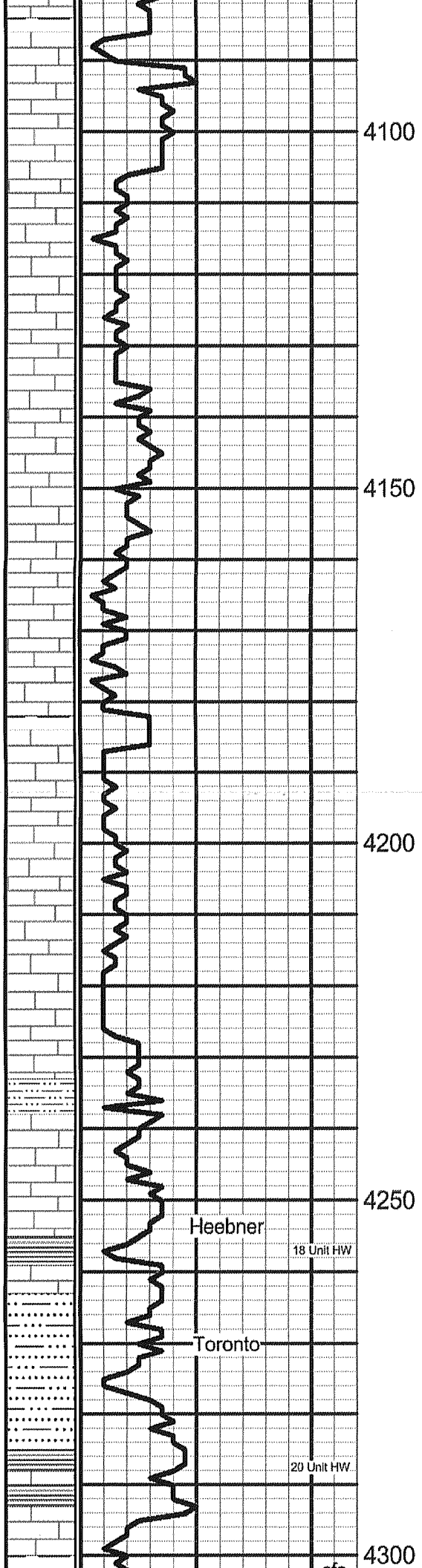
LS; Cream/tan, fine crystalline, oomoldic, sl chalky (4050) increase chalk (4060)

LS; Lt gray/cream, fine crystalline, foss, cherty, sl dolo + SH; Gray (4070)

LS; Tan/gray, fine crystalline, dolo, foss, cherty (4080)

LS; Cream, fine crystalline, sl ool, cherty (4090)

LS; Tan/cream, fine crystalline, ool, cherty,sl dol (4100)



SH; Black (trace 4110-4120)

LS; Cream, fine crystalline, foss, sl chalky (4120)

LS; Cream/tan, fine crystalline, ool, chalky-mealy, trace dead stain (4130)

LS; Cream/lt gray, fine crystalline to dense, sl foss (4140-4150)

LS; Cream, fine crystalline, very chalky (4160)

LS; Cream/lt gray, fine crystalline, foss, chalky (4170)

SH; Gray (4190)

LS; Cream/lt grau, fine crystalline, foss, chalky-soft (4190)

LS; Cream/tan, fine crystalline, foss-subgranular to granular, dolo, cherty (4200)

LS; Cream/lt gray, fine crystalline, foss, sl chalky (4210)

LS; Gray, very fine crystalline to dense (4220)

SH; Dark gray (trace 4230-4240)

LS; Cream/lt gray, fine to medium crystalline, subgranular, chalky (4240)

LS; Cream, fine crystalline, foss, chalky (4250)

LS; Cream/gray, fine crystalline, foss (4260)

SH; Black (4260 increase 4270)

LS; Cream/lt gray, fine crystalline to dense, foss, chalky (4270)

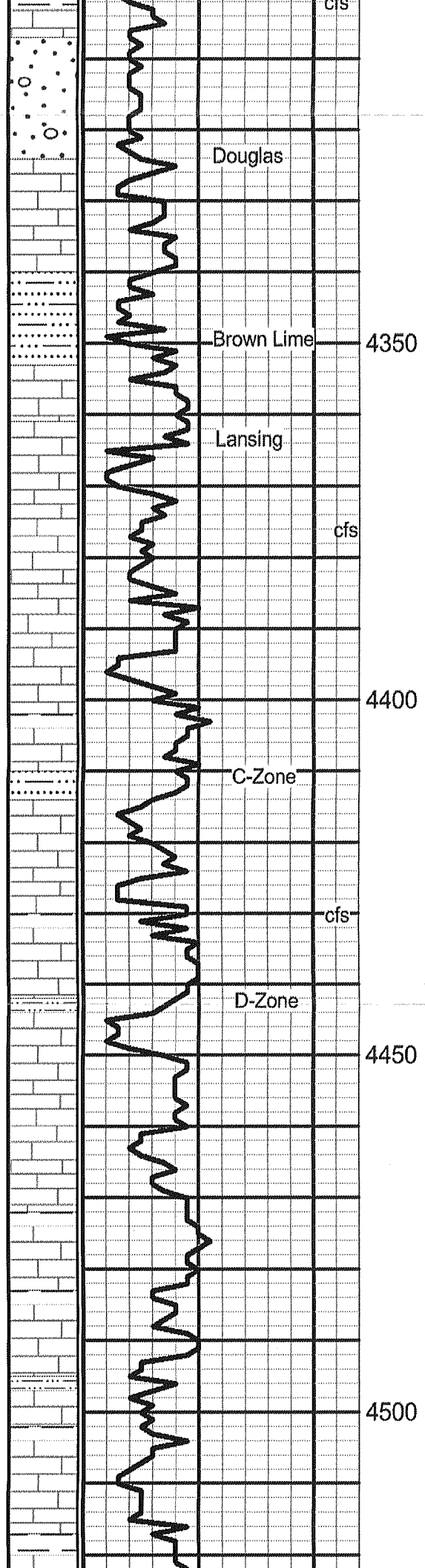
SH; Gray, silty (4280-4290)

LS; Cream, fine crystalline, foss, chalky, cherty (orange-sharp) (4300)

Vis 60
Wt 9.2
LCM 2#

SH; Gray/dark gray (4300)

LS; Cream, fine crystalline, foss, cherty (orange blocky)+ LS: Gray, fine crystalline to dense, foss (4303/30")



LS; Cream/gray, fine crystalline, dolo, foss, chalky-soft, cherty (gray-blocky)(4310-4320)

SH; Dark gray/gray (4320)

SH; Gray, silty-soft (4330)

LS; Cream/lt gray, fine crystalline to dense, foss, dolo (4840)

LS; Cream/gray, fine crystalline, mottled, chalky (4350)

Vis 58
Wt 9.2
LCM 2#

SH; Gray (4350)

LS; Tan/brown, fine crystalline to dense, foss-granular in part + LS; Cream/gray, fine crystalline, mottled, chalky (4360)

SH; Maroon/gray (4370/4375)

LS; Cream/tan, fine crystalline to dense, foss, chalky, chert (orange/white blocky) (4375/30-60")

LS; Cream, fine crystalline, sl foss, chalky + SH; Gray (4390)

LS; Cream/tan, fine crystalline, foss, moldic por, cherty (white-blocky) + SH; Gray (4400)

LS; Cream/brownm fine crystalline to dense, dolo, chalky (4410)

LS; Cream/gray, fine crystalline, foss, chalky, chert (blocky)(4420)

SH; Dark gray (4420)

LS; Gray, fine crystalline, foss, chalky-mealy trace dead stain + LS; Cream, fine crystalline, dolo, cherty (white-blocky) (4430)

LS; Cream/lt gray, fine crystalline, sl foss, dolo, w/chert inclusions (4430/30')

SH; Gray (4430/60")

LS; Cream/tan, fine crystalline, foss (4440)

LS; Cream/gray, fine to medium crystalline, foss, dolomitic, chert-black-blocky + SH; Gray (4450)

LS; Tan/cream, fine crystalline, sl foss, chalky, mealy-tr dead stain + SH; Gray (4460)

LS; Cream/brown, fine crystalline to dense, foss, chalky + SH; Gray (4470-4480)

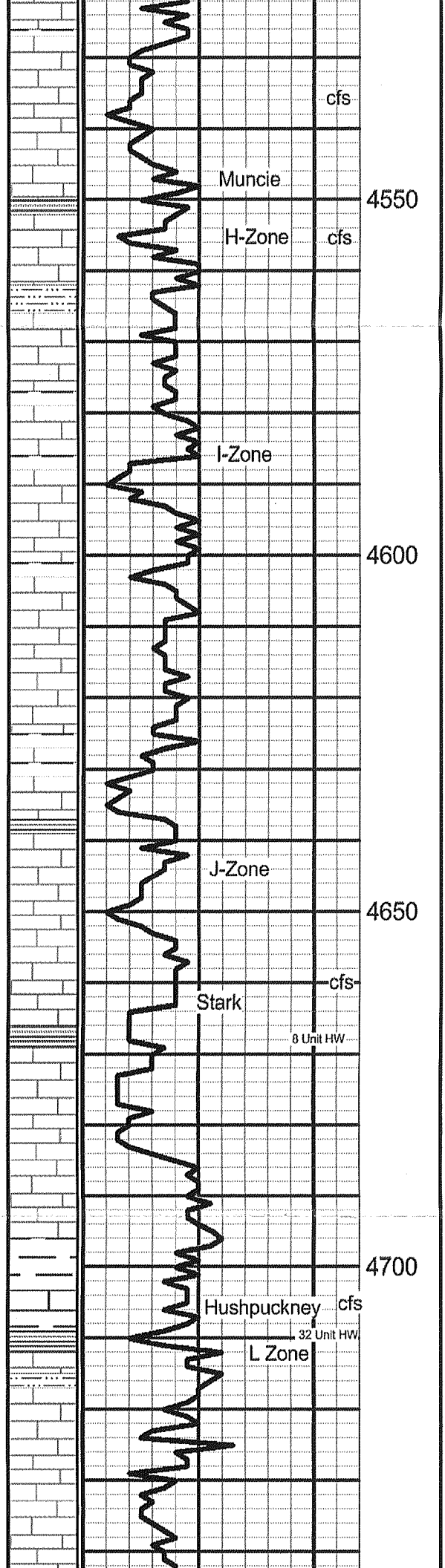
LS; Cream/tan, fine crystalline to dense, foss, chalky, dolo, trace dead stain (4490)

LS; Tan/cream/gray, fine crystalline, foss, cherty (blocky-white), chalky (4500)

LS; Cream, fine crystalline, foss, chalky, soft (4510-4520)

SH; Gray/dark gray (4530)

LS; Tan, fine to medium crystalline, chalky (4530)



SH; Green/gray (4537)
LS; Tan/lt gray, fine to medium crystalline.dense, chaly + LS; Tan, fine to medium crystalline, fossiliferous-granular, mealy, trace dead stain (4537)

LS; Cream/lt gray, fine crystalline, foss + LS; Lt gray, dense, cherty (4537/60")

LS; Cream, fine to medium crystalline, foss, dolo, trace moldic por, sl cherty (4550)

SH; Black (4555/30")
LS; Cream, fine crystalline, sl foss, trace moldic por (4555/60")

LS; Cream, fine crystalline, sl foss, chalky (4570)

SH; Gray (4570-4580)

LS; Cream, fine crystalline, sl foss, chalky (4580)

LS; Cream/white, fine crystalline, foss, chalky, cherty (4590)

Vis 68
Wt 9.2
LCM 2#

SH; Gray (4600)

LS; Cream/tan, fine crystalline to dense, foss, chalky, cherty (4600)

LS; Cream/tan, fine crystalline to dense, oolitic-granular in part, chalky, dolomitic w/poor moldic por (4610)

LS; Cream/tan, fine crystalline to dense, dolo, chalky (4620) cherty (4630)

SH; Gray (4640)

Vis 65
Wt 9.4
LCM 2#

LS; Cream/tan, fine to medium crystalline, foss, trace moldic por (4640)

LS; Cream/gray, fine to medium crystalline, foss, dolo w/good moldic por (barren), chalky (4640/60")(4650)

LS; Cream/tan/gray, fine to medium crystalline, dolomitic w/good moldic por, chalky, ssdo flakes (1-2 in sample tray)(4460)

LS; Cream/lt gray, fine to dense, w/some coarse crystalline, chalky + SH; Black (4660/20-40")

LS; Gray, fine to coarse crystalline, foss, cherty (4670)

Vis 57
Wt 9.6
LCM 2#

SH; Black (trace 4680 increase 4690)
LS; Tan/gray, fine crystalline to dense, sl foss, chalky + SH; Gray (4680)

LS; Cream/tan, fine crystalline to dense, ool-granular in part, chalky (4690)

LS; Cream/tan, fine crystalline, ool, chalky-soft (4700)

LS; Gray, fine crystalline to dense, cherty (gray-angular) (4705)

LS; Cream/gray, fine crystalline to dense, foss, cherty, chalky (4705/60")

LS; Cream, fine crystalline, oolitic granular packstone + LS; Cream, fine crystalline, chalky (4720)

SH; Black, carb (4720-4730)

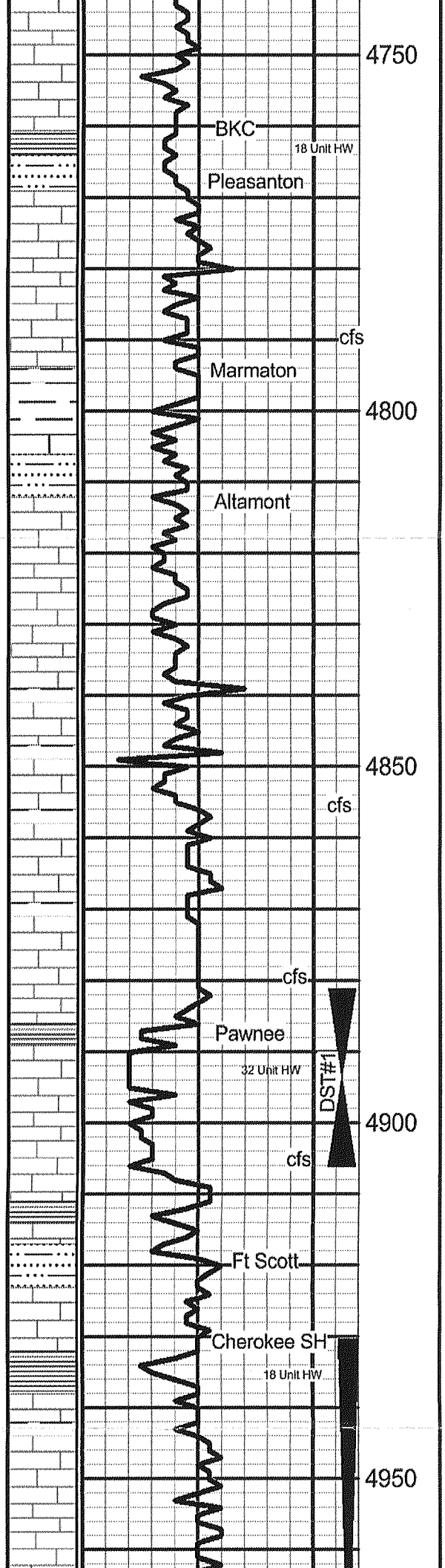
LS; Cream/lt gray, fine crystalline to dense, ool-granular in part, chalky, cherty (4730)

trace moldic por, increase chert (white-angular)(4740)

LS; Tan/gray/cream, dense, chalky-soft (4740/20")

LS; Cream/gray, fine crystalline to dense, foss-granular in part-mostly dense, chalky-brittle (4740/60")

Vis 60
Wt 9.5#



LS; Cream, fine crystalline, chalky, cherty (sharp)(4750-4760)

Wt 9.3#
LCM 1#

LS; Tan, fine crystalline + SH; Gray (4770)

SH; Black (flood 4780)

LS; Cream/gray, fine crystalline to dense, arg, chety, sl foss, chalky + SH; Dark gray (4789)

LS; Tan/gray, dense, sl foss, chalky + SH; Gray (4789/30")

LS; Gray, dense, arg, chalky, cherty + SH; Gray (4789/60")

LS; Gray/brown, dense, foss, chalky + SH; Dark gray (4810)

SH; Gray + LS; Gray/cream, fine crystalline to dense, fossm chalky (4820)

LS; Cream/gray, dense, foss, cherty, sl dolo (4830)

LS; Cream/tan, fine crystalline to dens, sl foss, chalky, tr edge stain, dull fl (1 piece) + SH; Gray (4840)

LS; Cream/white, fine crystalline,m dolo, sl foss, chalky + SH; Gray (4850)

SH; Gray, sandy (4855)

LS; Cream/white, dense, dolo, chalky + SH; Red/black/green, silty(4855/20")

LS; Gray/cream, dense, sl foss (4855/40")

LS; Cream/lt gray, fine crystalline, foss, poor moldic por (4855/60" 4860)

LS; Cream/lt gray, fine crystalline to dense, sl foss + SH; Gray, sandy (4870)

Vis 53
Wt 9.4
LCM 2#

LS; Cream, fine crystalline, foss, dolomitic
+ SH; Gray, silty (4880)

LS; Cream/tan, fine crystalline to dense, foss granular in part, oolitic, cherty (4880/60")

DST #1
4881-4906'
30-30-30-30"
IF: Weak surface blow died after 13 min.
FF: Dead after 10 min. flushed tool
Recovered: 35' Oil spotted mud -1% oil
SIP: 1389-1214#
FP: 41-49/50-68#
HP: 2473-2442#

Add Premix

SH; Black (4900)

LS; Cream, fine crystalline, ool-granular in part, trace edge stain, light stain on dry, moldic por, trace paraffin (4906/20")

LS; Cream/lt gray, fine crystalline to dense, sl foss, cherty (4906/40")

Strap 5.15 Short

LS; Lt gray, fine crystalline to dense, foss, blocky, cherty (4906/60")(4920)

SH; Black (flood 4930)

SH; Red/gray, sandy (4930)

Vis 60
Wt 9.4
LCM 1#

LS; Cream, fine crystalline, foss, chalky + LS; Lt brown/gray, fine crystalline to dense, cherty (4930)

LS; Cream, lt gray/tan, fine crystalline to dense, chalky, blocky, foss (4940)

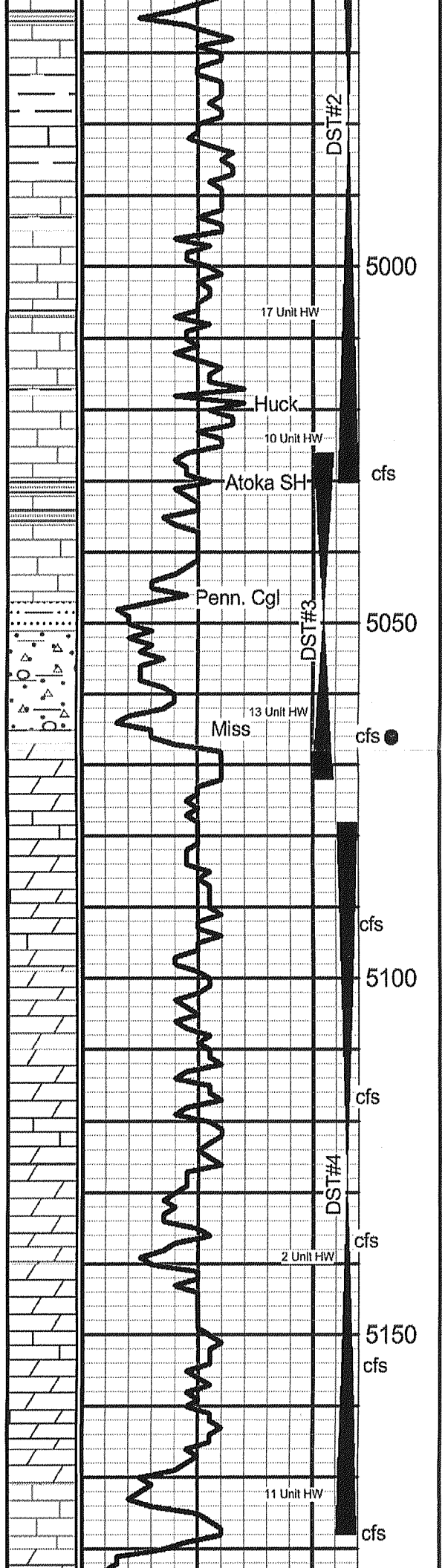
SH; Black (4950)

LS; Gray/lt brown, fine crystalline to dense, foss, chalky, sl cherty (sharp) trace edge stain, light stain on dry, poor intercrystalline por + LS: Tan, fine crystalline, fossm w/edge stain (4950)

LS; Cream, fine crystalline, sl fos, chalky
, sl dolo + SH; Gray (4960)

LS; Brown, dense, blocky, foss
LS; Cream, fine crystalline,
chalky (4970)

Vis 52
Wt 9.4
LCM 2#



SH; Black, carb (4980)

LS; Tan/cream, fine crystalline to dense , pelletal, chalky (4980)

DST#2
4930-5030'
30-30-30-30'
IF: Weak surface blow died after 10 min.
FF: No blow - flushed tool no help
Recovered: 7' Mud
SIP: 96-93#
FP: 80-80/82-83#
HP: 2508-2336#

LS; Gray/brown, dense, ool in part, foss, w/ trace frac por, edge stain (4990)

+ SH; Green-gray, silty (5000)

SH; Dark gray (5010)

Vis 51
Wt 9.4
Wt 2#

LS; Cream/lt gray, fine crystalline, fossm sl ool + SH; Gray, silty (5020)

SH; Red/gray (5030)

LS; Lt gray, fine crystalline to dense, foss, cherty, w/poor moldic por, trace light stain (5030)

LS; Tan, very fine crystalline to dense, foss, cherty w/poot moldic por, trace stain, fair odor, very light stain on dry (5030/20")

LS; Lt gray, fine crystalline to dense, foss, sl dolo, blocky, poor intercrystalline por, cherty, tr stain , fair odor (5030 40-60")

SH; Black (5030/60")

Added LCM

DST #3
5024-5071'
30-30-30-30#
IF: Weak surface blow died after 6 min.
FF: Dead after 8 min. flushed tool no help
Recovered: 4' Oil spotted mud 100% mud
SIP: 68-60#
FP: 54-55/56-54#
HP: 2537-2358#

LS; Lt brown/cream/lt gray, fine crystalline to dense, blocky, cherty + SH; Tan/gray , brittle-soft (5050)

LS; Gray, dense + SH; Black (5050/20")

SH; Dark gray + LS; Lt gray, fine crystalline, trace SD; Clear, coarse, friable to loos (5050/40")

LS; White/cream/tan, fine crystalline to dense, ool/foss, chalky , sl dolo, few loose ool + SH; Gray, trace mustard yellow/pale green (5050/60")

LS; Cream/lt gray/white, fine crystalline to dense, foss, chalky, dolo, Cherty; Gray, sharp+ SH; Black w/trace mustard yellow/pinkish purple (5060)

LS; Cream/tan/gray, dense, foss, chalky + SH; Gray + SS; White, fine grained, friable (5065/20") trace Chert; White, foss, vugular w/gsfo, odor, dark stain on dry (5065/40")

Dolo; Gray, fine to medium crystalline, foss, vug + Chert; White, foss, vug w/gsfo, odor, med to dark stain on dry (5065/60")

LS; Cream/lt gray, dense, foss + Chert; White/tan, blocky, foss, trace vug por, ssfo (5072 20-40")

SH; Pale green/gray/maroon, blocky-soft (5080)

LS; Cream, fine crystalline, foss (bry) dolo, cherty(white-blocky)(5090)

LS; Cream, fine crystalline, foss, dolomitic, chalky + SH; Gray (5092 20-40")

LS; Cream/lt gray, fine crystalline, foss-subgranular, blocky + Chert; White, blocky, foss, tr vug por, vssfo (5092/60")

Vis 61
Wt 9.2
LCM 4#

+Chert; Orange/gray, angular to blocky, no show (5100)

LS; Cream/lt gray, fine to medium crystalline, foss, dolo, chalky, trace edge stain + Chert; White, angular to sharp (5110)

LS; Cream/lt gray, fine crystalline to dense, sl foss, dolo, chalky, cherty (gray-angular) (5117)

LS; Cream/lt gray, fine crystalline, chalky, trace moldic por, vssfo (5117/20")

Chert; Gray, angular to sharp + Chert; White/cream/gray, foss, blocky, trace (1 to pieces)LS AA w/poor moldic por w/ vssfo (5117 40-60")

LS; Cream/lt gray, fine crystalline, foss, dolo in part, cherty w/chert inclusion -white-angular (5130)

DST#4
5078-5178'
30-30-30-30"
IF: Weak surface blow died after 15 min.
FF: No blow-flushed tool no help
Recovered: 20' Mud
SIP: 1209-1047#
FP: 83-98/87-91#
HP: 2657-2377#

+ Chert; Translucent gray, angular (5137)

LS; Cream, fine crystalline, chalky w/streaks

Dolo; Cream, med crystalline, suc (5137/20")

+ SH; Green, sandy/gray, decrease dolo w/trace LS; Cream, fine crystaline, w/moldic/intercrystalline por, vssfo (5137/40")

LS; Tan, fine crystalline, sl ool w/Dolo; Tan/gray, fine crystalline, soft (5150)

LS; Cream, fine crystalline, ool, chalky w/trace of poor ppt por w/spotty black stain (5154/20")

+Chert; Gray/white, foss, blocky, Dolo, Cream, fine crystalline, w/poor vug por, sl stain, vssfo (5154/40")

LS; Cream, oolitic w/some moldic por + SH; Black (5154/60")

Vis 60
Wt 9.3
LCM 4#

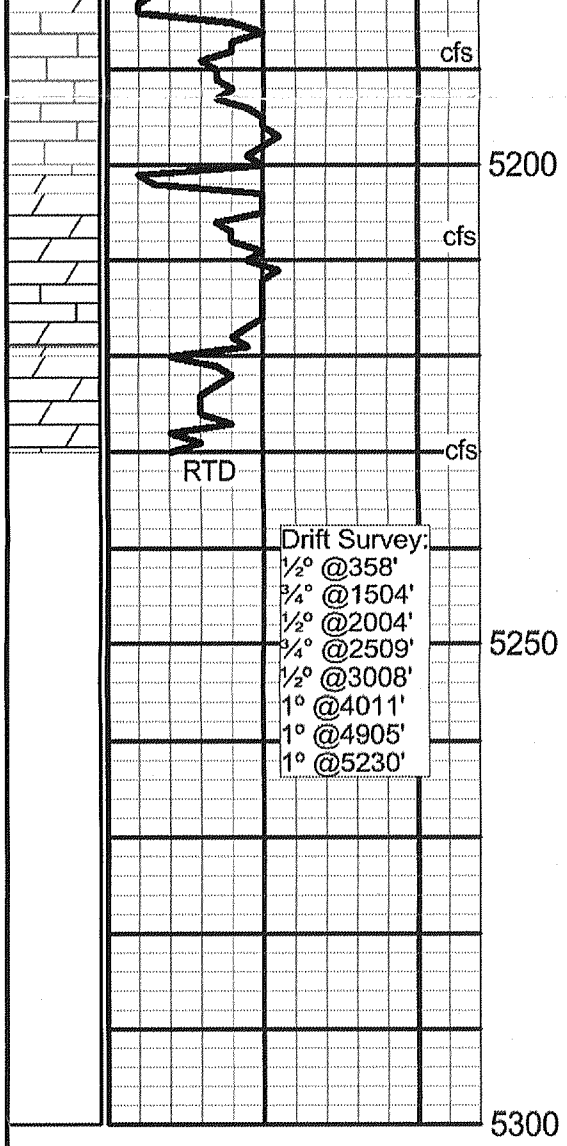
LS; Cream, fine crystalline to dense, sl ool, cherty (gray blocky)(5170)

LS; Cream,fine crystalline oolitic + LS: Cream, very fine crystalline + Chert; White, angular (5178)

LS; Cream/tan, very fine crystalline, chalky, soft, trace edge stain on dry+ Chert; White/gray, banded (5178/20")

+ Chert; Blue-gray, sharp to angular w/edge stain, vssfo (5178/40"-60")

Dolo; Cream/gray, fine crystalline,suc, cherty(white-blocky-sl foss w/ppt vug por) + LS; Cream, med crystalline, foss, tr stain, ssdo, abundant Chalk; White, soft, trace edge stain(5188/20")



+SH; Dark gray (5188/40")
LS; Cream/tan, fine crystalline, ool + LS; Tan, dense, dolo, cherty (blocky) (5188/60")
Dolo; Tan, fine crystalline to dense, cherty (white/gray/blocky/sl vug), trace ppt stain + SH; Reddish-brown,earthy (5200)

Vis 58/Wt 9.2/LCM 3#

Dolo; Tan, med crystalline to dense, foss in part, some vug por dev, trace of stain on dry-rare + Dolo; Tan, fine crystalline, ool, Chert; Gray/white, blocky + Chalk, white, soft (5208/20") + Dolo; Gray, dense, trace of stain on chert (5208/40")

Dolo; Lt brown/gray, fine to med crystalline w/poor vug por, faint stain on gray dolo w/ssdo on break (5208/60")

Vis 58/Wt 9.3/LCM 3#

Dolo; Tan/lt brown, fine crystalline to dense, sl foss (5220) + Chert; Gray, angular to sharp , SH; Black (5230)

Dolo; Cream, fine crystalline to dense, cherty((gray sl foss) + Chalk, White, soft (5230/30")

RITCHIE
EXPLORATION, INC.
Wichita, Kansas

#1 Schneweis-Turley
82' FNL & 1459' FEL
Section 19-27S-25W
Ford County, Kansas
API# 15-057-20836-00-00
Elevation: 2594' GL, 2605' KB

Sample Tops			Ref. Well
Chase/Her	2682'	-77	+35
Stotler	3586'	-981	+32
Heebner	4254'	-1649	+22
Lansing	4362'	-1757	+18
Muncie Shale	4541'	-1936	+18
Stark Shale	4673'	-2068	+45
Hush.	4706'	-2101	+47
BKC	4761'	-2155	+38
Altamont	4817'	-2212	+40
Pawnee	4889'	-2284	+45
Cherokee Shale	4932'	-2327	+47
Huck.	5013'	-2408	+49
Atoka Shale	5025'	-2420	+48
Mississippian	5047'	-2442	+62
RTD	5230'	-2625	

P.O. Box 783188
Wichita, Kansas 67278-3188

(316) 691-9500
Fax (316) 691-9550
rei@ritchie-exp.com

8100 E. 22nd St. N., Bldg. 700
Wichita, Kansas 67226-2328

ALLIED OIL & GAS SERVICES, LLC 053882

Federal Tax I.D.# 20-5976804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Medicine Lodge KS

DATE 08-30-12	SEC. 19	TWP. 27S	RANGE 25W	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 4:30PM
LEASE Schneider-Turley	WELL # 1		LOCATION 283-56-50-Dot, 2s, 5w, s/s			COUNTY Ford	STATE KS
OLD OR NEW (Circle one)							

1.03 7.95 all

CONTRACTOR Duke #10
TYPE OF JOB Rotary Plug
HOLE SIZE 7 7/8 T.D. 5230'
CASING SIZE 8 5/8 DEPTH 353'
TUBING SIZE DEPTH
DRILL PIPE ~~4 1/2~~ DEPTH 1690'
TOOL DEPTH
PRES. MAX 400 MINIMUM —
MEAS. LINE SHOE JOINT n/a
CEMENT LEFT IN CSG. —
PERFS.
DISPLACEMENT Fresh H2O & Drilling Mud

OWNER Ritchie

EQUIPMENT

PUMP TRUCK CEMENTER D. Felix
#558-555 HELPER D. Franklin
BULK TRUCK
#421-252 DRIVER J. Logan
BULK TRUCK
DRIVER

CEMENT
AMOUNT ORDERED 250sx 60:40:4% gel + 1/4# Flosea

COMMON Class A	150sx	@ 16.25	2437.50
POZMIX	100sx	@ 8.50	850.00
GEL	9sx	@ 21.25	191.25
CHLORIDE		@	
ASC		@	
Flosea	63#	@ 2.70	170.10
HANDLING	268.96 sx	@ 2.10	562.80
MILEAGE 11.2 (tm · 2.35 · 50			1317.18
		TOTAL	5528.83

560.50

REMARKS:
See Job Log

THX

SERVICE

DEPTH OF JOB	1690'		
PUMP TRUCK CHARGE			1250.00
EXTRA FOOTAGE		@	
MILEAGE	50	@ 7.00	350.00
MANIFOLD	N/A	@	
Light Vehicle	50	@ 4.00	200.00
		@	
		TOTAL	1800.00

CHARGE TO: Ritchie
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

		@	
		@	
		@	
		@	
		@	
		TOTAL	

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)	582.64
TOTAL CHARGES	7328.83
DISCOUNT 20%	1465.77 IF PAID IN 30 DAYS
	5863.06

PRINTED NAME Scott Edwards

SIGNATURE Scott Edwards Rig #10

Schnewes - Turley 1

KB

ALLIED OIL & GAS SERVICES, LLC 053444

Federal Tax I.D.# 20-5976804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Liberal

DATE 08-18-12	SEC. 19	TWP. 32S	RANGE 25W	CALLED OUT	ON LOCATION	JOB START 12:30	JOB FINISH 1:00
LEASE Schnewes-Turley	WELL # 1	LOCATION S.W. of Dodge City				COUNTY Ford	STATE KS
OLD OR (NEW) (Circle one)							

1.01 7.95

CONTRACTOR Duke
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 358 ft
CASING SIZE 8 5/8 23 # DEPTH 353 feet
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 500 psi MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 41.65 feet
PERFS.
DISPLACEMENT 19.93 Bbls.

OWNER Ritchie Exp.

CEMENT
AMOUNT ORDERED 230sk 'A' 3%cc 2% Gel.

EQUIPMENT

PUMP TRUCK CEMENTER Ruben Chavez
530/484 HELPER Leony Baeza
BULK TRUCK
562/554 DRIVER Eddy. TWS.
BULK TRUCK
DRIVER

COMMON	230 sk	@ 16.25	3737.50
POZMIX		@	
GEL	4sk	@ 21.25	85.00
CHLORIDE	8 sk	@ 58.20	465.60
ASC		@	
HANDLING	242 sk	@ 2.25	544.50
MILEAGE	sk x Mi	.11	1331.00
	12,100	TOTAL	6163.60

REMARKS:
Pump 230 sk 'A' 3%cc, 2% Gel.
Circulate to surface 10 Bbls of cement.
Thank you.

SERVICE

DEPTH OF JOB			358 feet
PUMP TRUCK CHARGE			1125.00
EXTRA FOOTAGE	58	@ .95	55.10
MILEAGE	heavy 50	@ 7.00	350.00
MANIFOLD + head	1	@ 200	200.00
Light	50mi	@ 4.00	200.00
		@	
		TOTAL	1930.10

CHARGE TO: Ritchie Exploration
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8

1 Top Rubber plug		@ 112.00	112.00
1 Cement Basket		@ 478.00	478.00
Baffle plate	1	@ 112.00	112.00
		@	
		@	
		TOTAL	702.00

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) 396.71
TOTAL CHARGES 8795.70
DISCOUNT 1759.14 IF PAID IN 30 DAYS
#7036.56

PRINTED NAME Scott Edwards
SIGNATURE Scott Edwards

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

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

December 14, 2012

John Niernberger
Ritchie Exploration, Inc.
8100 E 22ND ST N # 700
BOX 783188
WICHITA, KS 67278-3188

Re: ACO1
API 15-057-20836-00-00
Schneweis-Turley 1
NE/4 Sec.19-27S-25W
Ford County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
John Niernberger