KOLAR Document ID: 1421861

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 # 5046
Name: Raymond Oil Company, Inc.
Address 1: PO BOX 48788
Address 2:
City: WICHITA State: KS Zip: 67201 + 8788
Contact Person: Robert Turner
Phone: (316) 267-4214
CONTRACTOR: License # 32701
Name: C & G Drilling, Inc.
Wellsite Geologist: Robert Turner
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 #:

8/23/2018 Spud Date or Recompletion Date
08/28/2018 Date Reached TD
8/28/2018 Completion Date or Recompletion Date

API No.: 15-015-24105-00-00
Spot Description: Lot 9
- W2 - SE - NW Sec. 19 Twp. 24 S. R. 8 ☑ East ☐ West
1980 Feet from ☑ North / ☐ South Line of Section
1350 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: Butler
Lease Name: KNEBEL-SHOPE Well #: 19-1
Field Name:
Producing Formation: N/A
Elevation: Ground: 1514 Kelly Bushing: 1520
Total Vertical Depth: 2790 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 252 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: 1300 ppm Fluid volume: 170 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:
Operator Name: Kutter Oil, Inc.
Lease Name: Roy 5 SWD License #: 32702
Quarter NW Sec. 11 Twp. 25 S. R. 7 ☑ East ☐ West
County: Butler Permit #: D30916.0

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: 09/19/2018
☐ **Confidential Release Date:** 09/18/2020
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 09/19/2018

Operator Name: Raymond Oil Company, Inc. Lease Name: KNEBEL-SHOPE Well #: 19-1

Sec. 19 Twp. 24 S. R. 8 ☑ East ☐ West County: Butler

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

Micro
Dual Induc
Comp Density

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

Name	Top	Datum
Heeb	1422	+98
BKC	2178	-658
Miss	2754	-1235

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	252	Common	140	3% cc, 2% gel

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	-			
	-			

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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

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

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Raymond Oil Company, Inc.
Well Name	KNEBEL-SHOPE 19-1
Doc ID	1421861

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	252	Common	140	3% cc, 2% gel

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Raymond Oil Co., Inc.
LEASE Knebel-Shope #19-1
FIELD
LOCATION Butler CO. 1980 FNL 1350FWL
SEC 19 TWSP 24S RGE 8E
COUNTY Butler STATE KS

ELEVATIONS
KB 1520
DF
GL 1514'
Measurements Are
From

CONTRACTOR C&G rig 1
SPUD 8/23/18 COMP 8/28/18
RTD 2790 LTD
MUD UP 1300 TYPE MUD chem.

CASING
SURFACE 250 8 5/8"
PRODUCTION

ELECTRICAL SURVEY
CND, DIL, MIC

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION A	B	
OREAD	1385	1372	+138			
HEEB	1430	1422	+98			
DOUG	1506	1502	+18			
IATAN	1622	1620	-100			
LANS	1733	1730	-210			
KC	2007	2008	-488			
BKC	2176	2178	-658			
MARM	2273	2279	-760			
SQRL	2450	2455	-935			
MISS	2741	2755	-1235			

REFERENCE WELLS FOR STRUCTURE

A
B
C

REMARKS

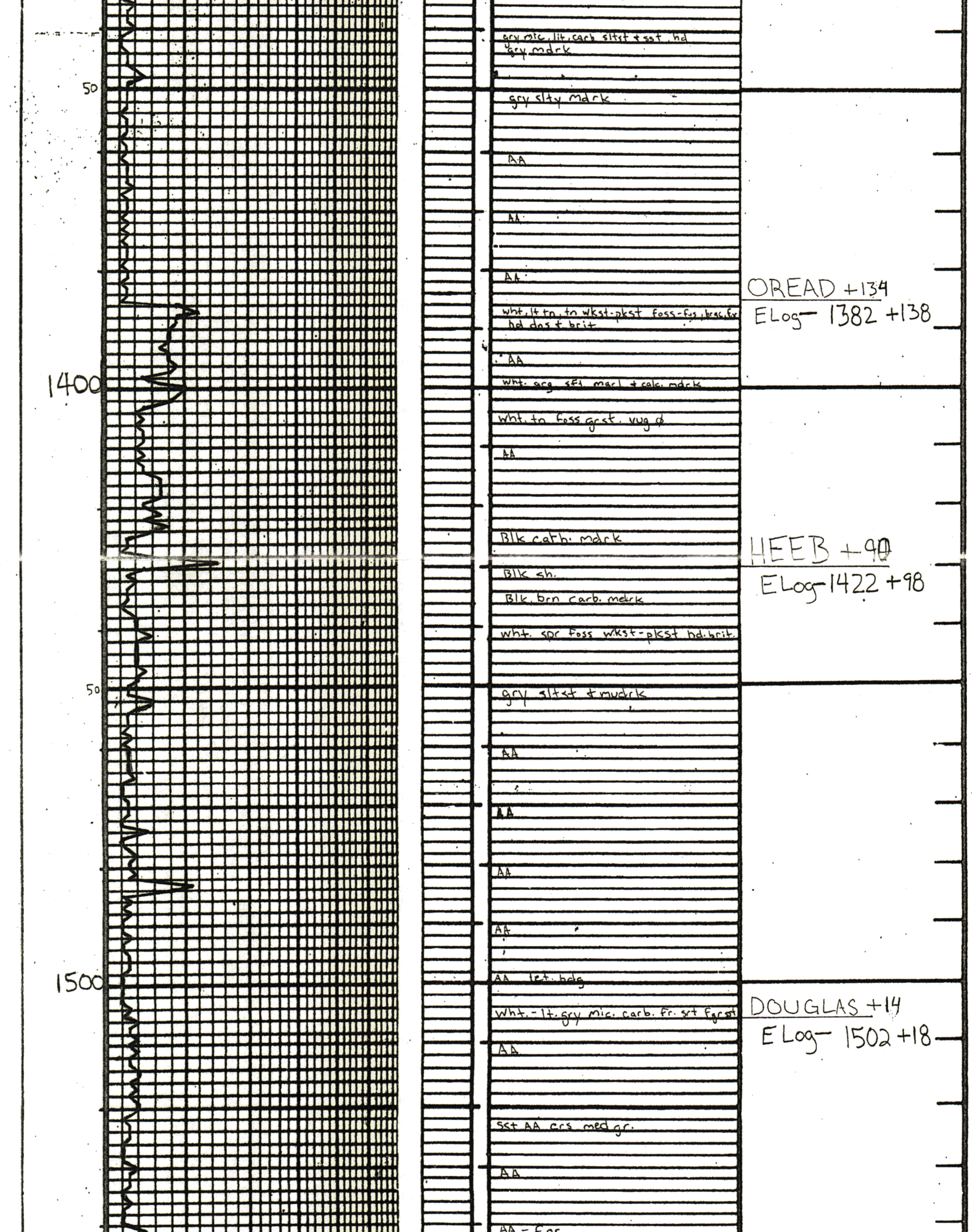
RECOMMENDATIONS AND REMARKS

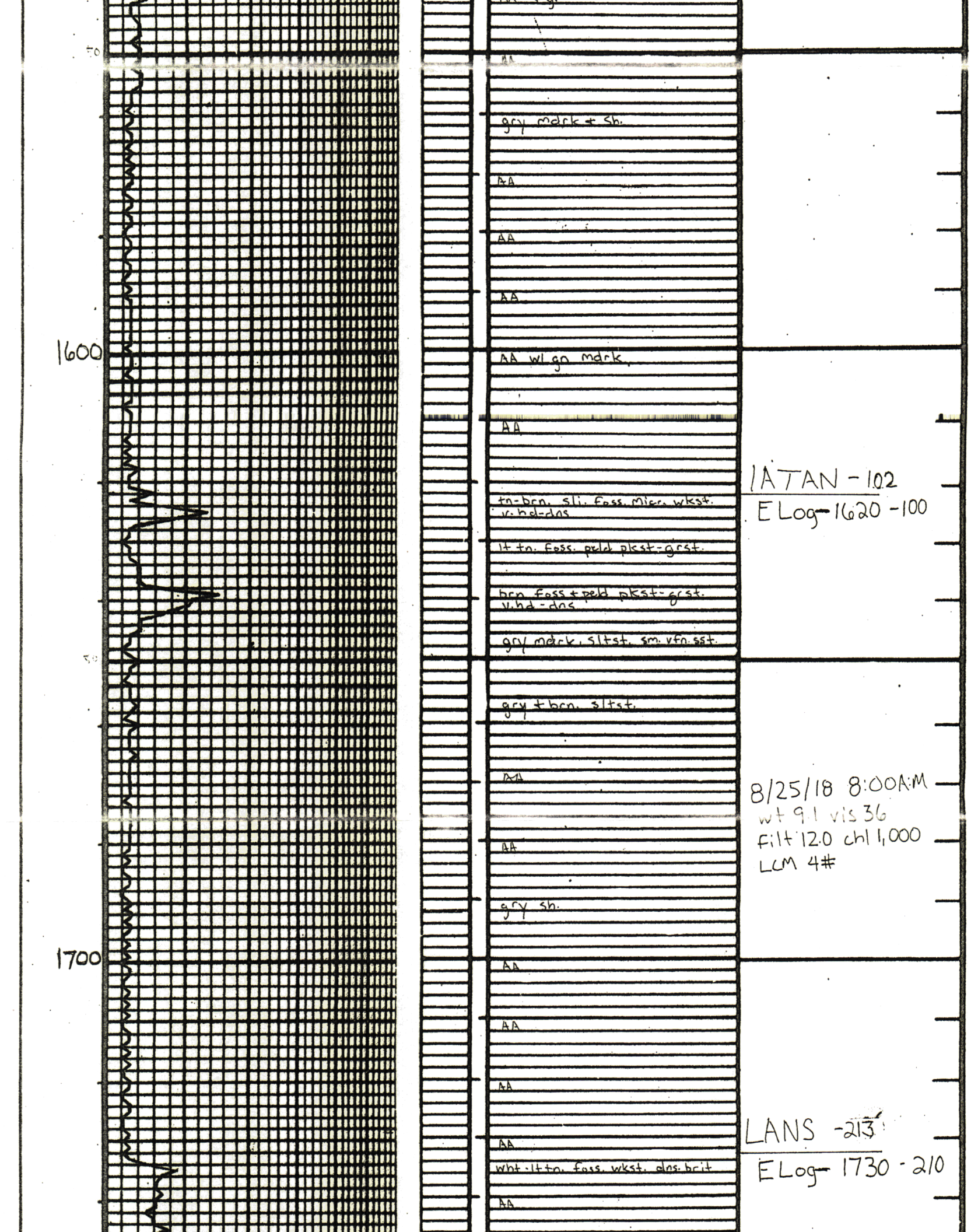
FORMATION	PERFORATE INTERVAL	LOG ANALYSIS % POR	LOG ANALYSIS % SW	TREATMENT & REMARKS

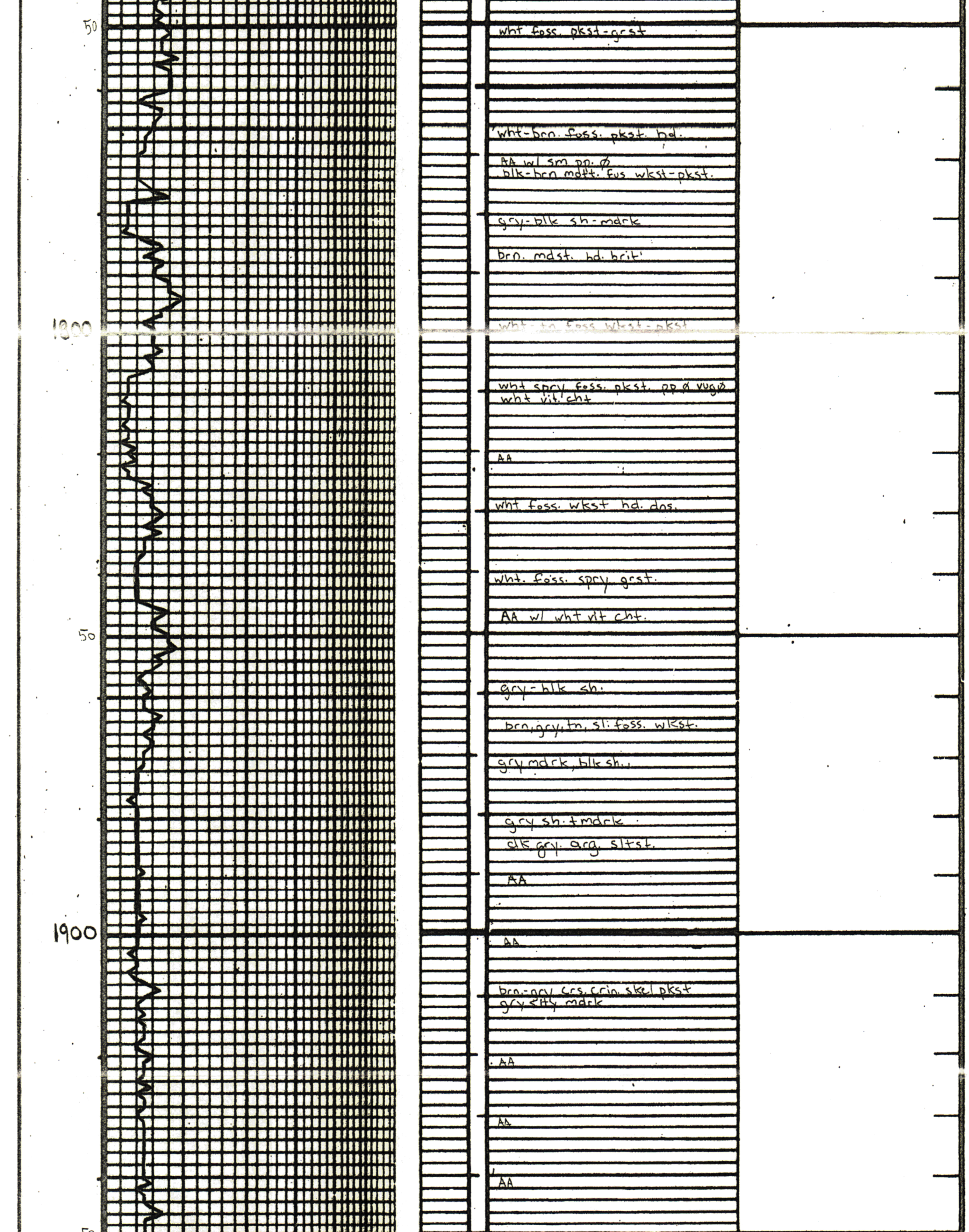
LEGEND:

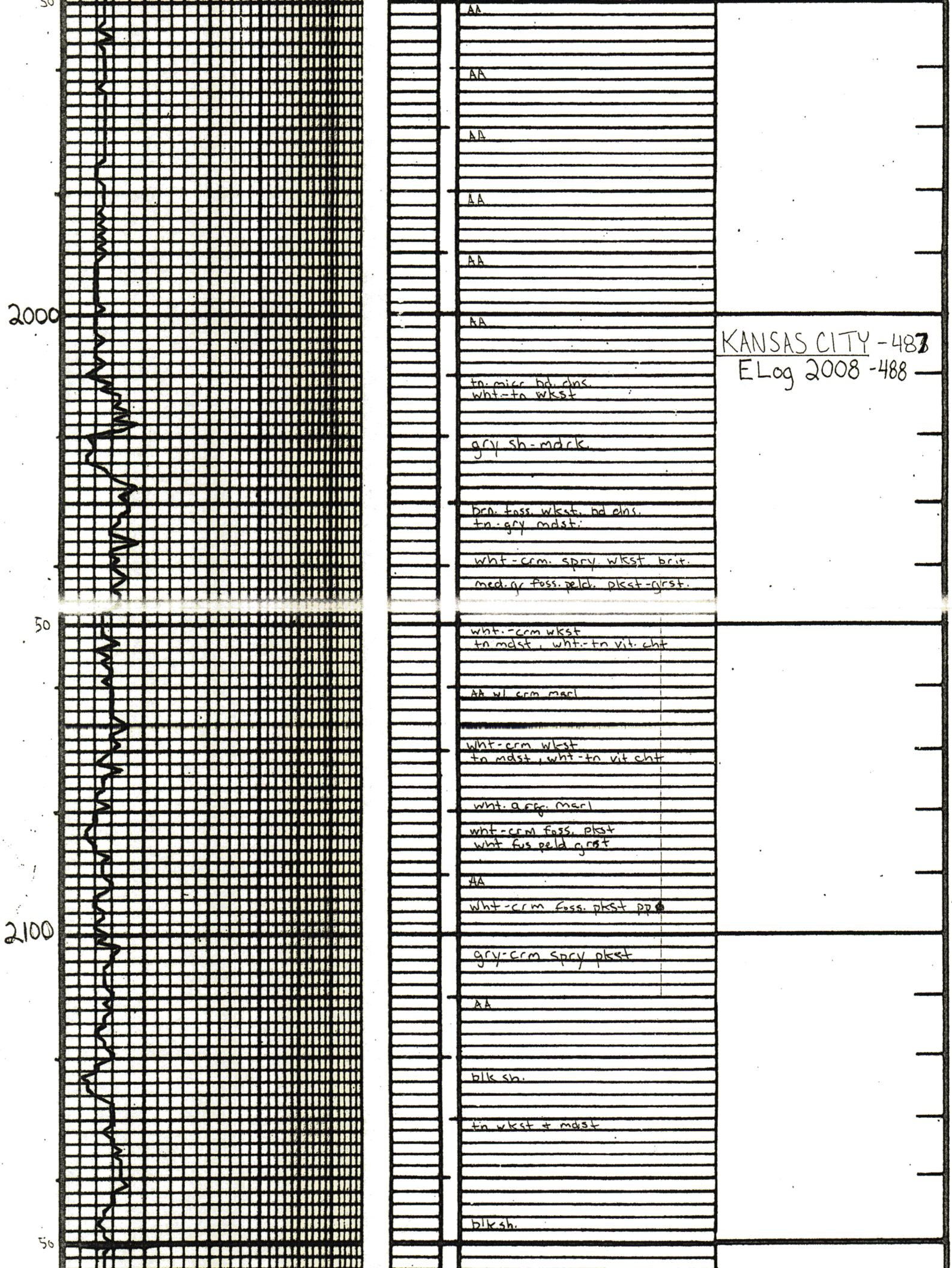
SCALE: 5" = 100'

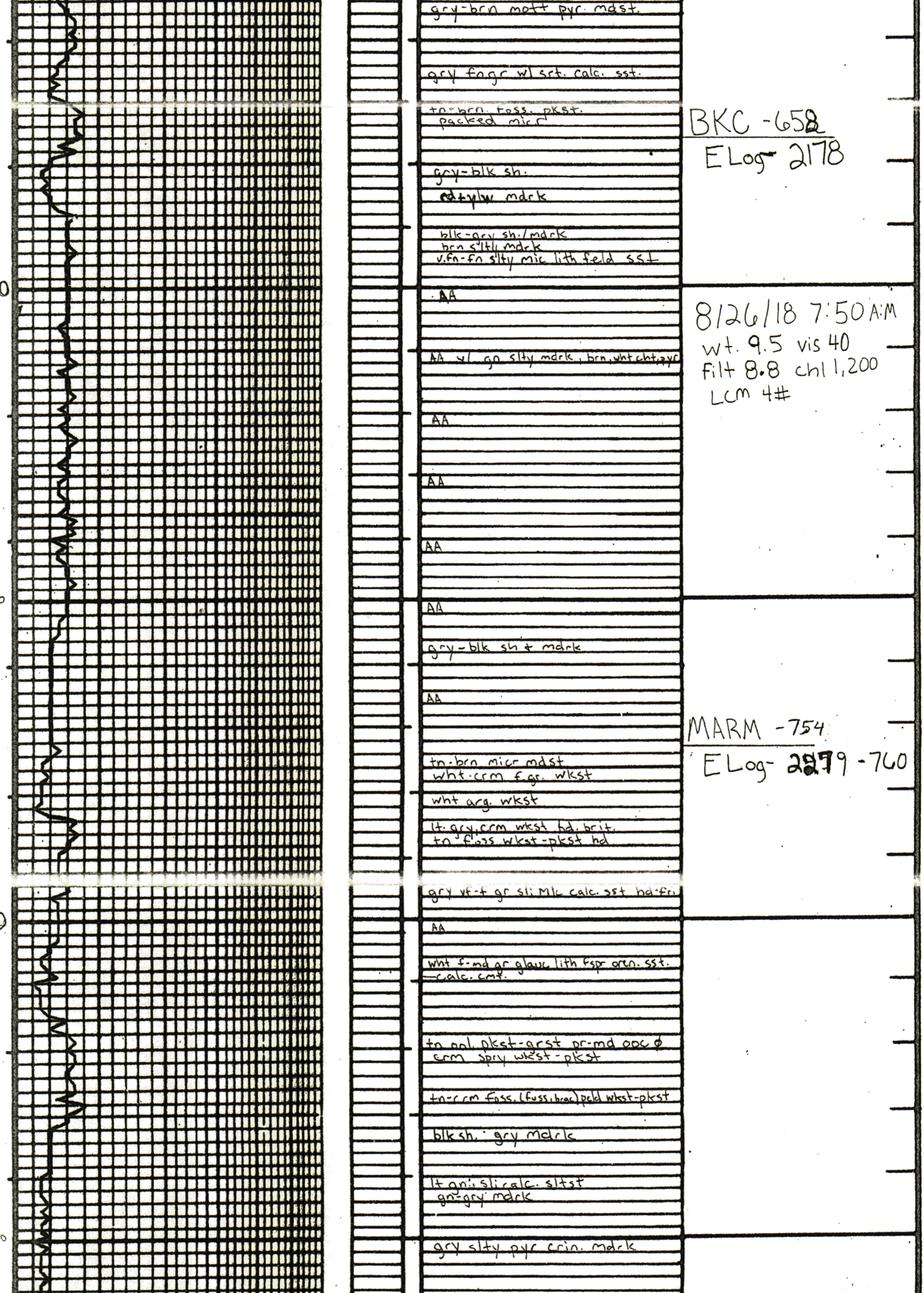
DEPTH	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Increases 5" 10" 15" 20" 25"	SHOWS OF OIL & GAS	LITHOLOGY	POROSITY	SAMPLE DESCRIPTIONS	REMARKS
1300						


gry mic. lit. carb slt-vf sst. hd gry. m-drk
50
gry slty m-drk
AA
AA
AA
OREAD +134
ELog- 1382 +138
wht, lt tn, tn wkst-pkst foss-fus, brac, fx hd dns & brit
AA
1400
wht. arg sft marl & calc. m-drk
wht. tn foss gr-st. vug ø
AA
Blk carb. m-drk
HEEB +90
ELog-1422 +98
Blk sh.
Blk. brn carb. m-drk
wht. spr foss wkst-pkst hd. brit.
50
gry slt-st & mud-drk
AA
AA
AA
AA
1500
AA let. bdg
wht. - lt. gry mic. carb. fr. s-t f-gr-st
DOUGLAS +14
ELog- 1502 +18
AA
sst AA crs med gr.
AA


1600
1700
AA
AA
AA
AA
AA wl gn mdrk.
AA
tn-brn. sli. foss. micr. wkst. v. hd-dns
lt tn. foss. peld pkst-grst.
brn foss + peld pkst-grst. v. hd-dns
gry mdrk. sltst. sm. vfn. sst.
gry + brn. sltst.
AA
AA
gry sh.
AA
AA
AA
AA
wht-lt tn. foss. wkst. dns. brit
AA
IATAN - 102
ELog - 1620 - 100
8/25/18 8:00A:M
wt 9.1 vis 36
filt 12.0 chl 1,000
LCM 4#
LANS - 213
ELog - 1730 - 210


50
wht foss. pkst-grst
wht-brn. foss. pkst. hd.
AA w/ sm pp. ø
blk-brn mdst. fos wkst-pkst.
gry-blk sh-mdrk
brn. mdst. hd. brit
1950
wht-tn foss wkst-pkst
wht spry foss. pkst. pp ø vugø
wht vit. cht
AA
wht foss. wkst hd. dns.
wht. foss. spry grst.
AA w/ wht vit cht.
50
gry-blk sh.
brn, gry, tn, sl. foss. wkst.
gry mdrk, blk sh.,
gry sh. tmdrk
clr gry. arg. sltst.
AA
1900
AA
brn-gry crs. crin. skel pkst
gry slty mdrk
AA
AA
AA


50
AA
AA
AA
AA
AA
2000
AA
KANSAS CITY - 487
ELog 2008 - 488
tn. micr bd. chs.
wht.-tn wkst
gry sh-mdrk.
brn. foss. wkst. bd chs.
tn-gry mdst.
wht-crm. spry wkst brit.
med. gr foss. peld. pkst-grst.
50
wht.-crm wkst
tn mdst, wht.-tn vit. cht
AA wl crm marl
wht-crm wkst
tn mdst, wht-tn vit cht
wht. grn. marl
wht-crm foss. pkst
wht fus peld grst
AA
wht-crm foss. pkst pp
2100
gry-crm spry pkst
AA
blk sh.
tn wkst + mdst
blk sh.
50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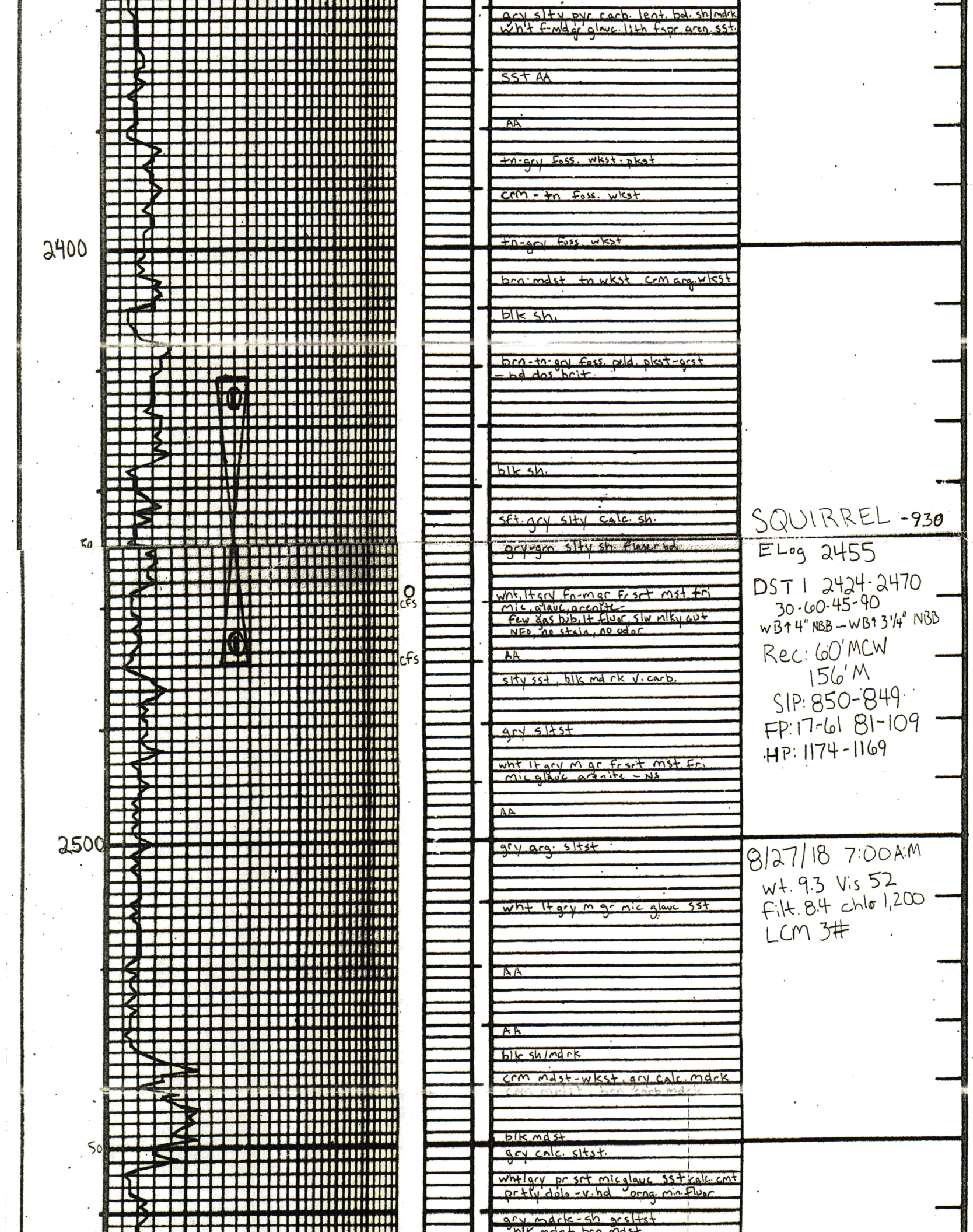
gry fn-gr wl srt. calc. sst.
tn-brn. foss. pkst. packed micr
BKC -658
ELog- 2178
gry-blk sh.
blk-gry sh./mdrk
brn slty mdrk
v.fn-fn slty mic lith feld sst
2200
AA
8/26/18 7:50 A.M
wt. 9.5 vis 40
filt 8.8 chl 1,200
LCM 4#
AA w/ gn slty mdrk, brn, wht cht, gyc
AA
AA
AA
50
AA
gry-blk sh & mdrk
AA
MARM -754
ELog- 2279 -760
tn-brn micr mdst
wht-crm f-gr. wkst
wht arg. wkst
lt. gry, crm wkst hd. brit.
tn foss wkst-pkst hd
gry vf-f gr sli Mic calc. sst hd-fr.
2300
AA
wht f-md gr glauc. lith fspr orn. sst.
-calc. cmt.
tn ool. pkst-grst pr-md ooc ϕ
crm spry wkst-pkst
tn-crm foss. (fuss, brac) peld wkst-pkst
blk sh. gry mdrk
lt gn sli calc. sltst
gn-gry mdrk
50
gry slty pyr crin. mdrk


2400
2500
50
O
CFS
CFS
gry silty pyr carb. lent. bd. sh/mdrk
wh't f-md gr glauc. lith fspr aren. sst.
SST AA
AA
tn-gry foss. wkst-pkst
crm-tn foss. wkst
tn-gry foss. wkst
brn-mdst tn wkst crm arg. wlsst
blk sh.
brn-tn-gry foss. peld. pkst-grst
- hd dns brit.
blk sh.
sft. gry silty calc. sh.
gry-grn silty sh. flaser bd.
wht, lt gry fn-m gr fr srt mst tri
mic, glauc, arenite -
few gas bub, lt fluor, slw milky cut
NFE, no stain, no odor
AA
silty sst, blk md rk v. carb.
gry sltst
wht lt gry m gr fr srt mst Fri
mic glauc arenite - NS
AA
gry arg. sltst
wht lt gry m gr mic glauc sst
AA
AA
blk sh/md rk
crm mdst-wkst, gry calc. mdrk
blk mdst
gry calc. sltst.
wht/gry pr srt mic glauc sst; calc. cmt
prtly dolo - v. hd orng. min. fluor
gry mdrk-sh grsltst
SQUIRREL -930
ELog 2455
DST 1 2424-2470
30-60-45-90
WB↑4" NBB - WB↑3 1/4" NBB
Rec: 60' MCW
156' M
SIP: 850-849
FP: 17-61 81-109
HP: 1174-1169
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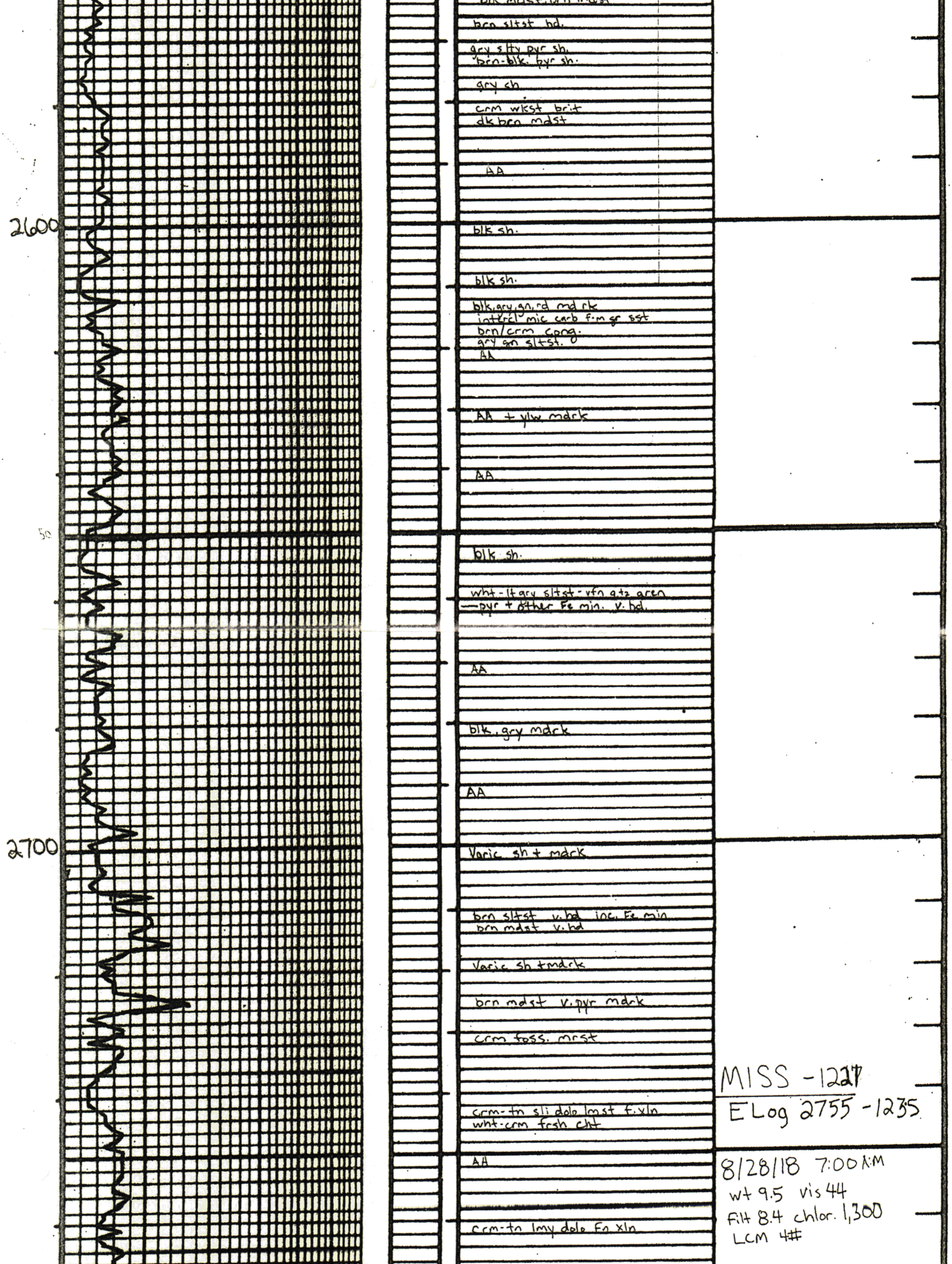
LCM 3#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2700
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gry slty pyr sh.
brn-blk. pyr sh.
gry sh
crm wkst brit
dk brn mdst
AA
blk sh.
blk sh.
blk, gry, grn, rd md rk
intrcl mic carb f-m gr sst
brn/crm cprog.
gry grn sltst.
AA
AA + ylw mdrk
AA
blk sh.
wht-lt gry sltst-vfn qtz aren
—pyr + other Fe min. v. hd.
AA
blk, gry mdrk
AA
Varic sh + mdrk
brn sltst v. hd inc. Fe min
brn mdst v. hd
Varic sh + mdrk
brn mdst v. pyr mdrk
crm foss. mrst
crm-tn sli dolo lmst f. xln
wht-crm frsh cht
AA
crm-tn lmy dolo Fn xln
MISS -1227
ELog 2755 -1235
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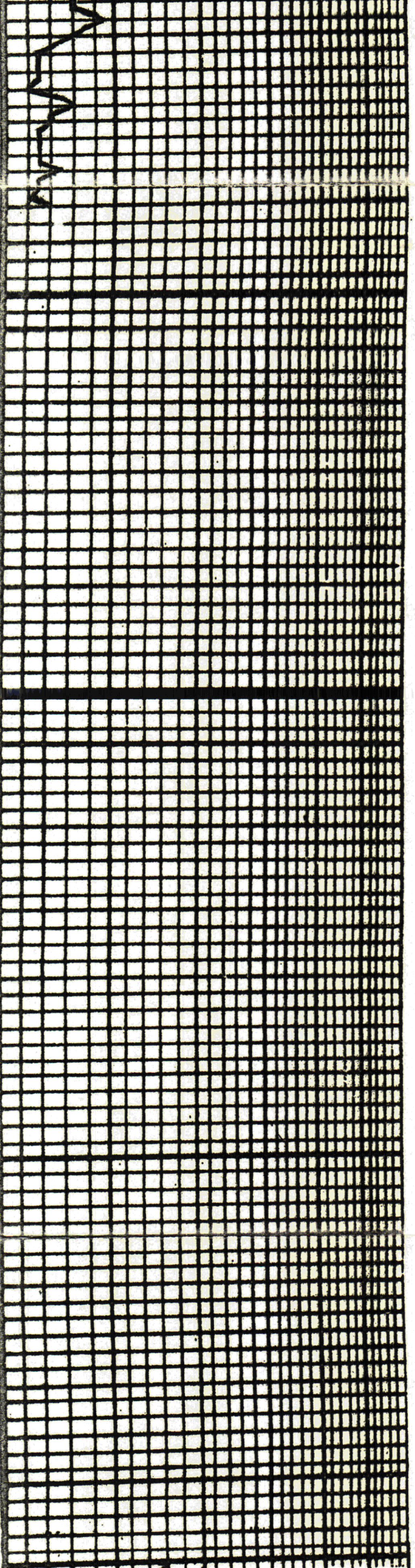
Filt 8.4 chlor. 1,300
LCM 4#



crm-tn lmy dolo m·xln glauc
-mod-gd vug & lnt xln Φ

AA

RTD 2790

LTD 2790

5" 10' 5" 20" 25"

DEPTH | DRILLING TIME IN MINUTES/FOOT | LITHOLOGY | SAMPLE DESCRIPTIONS | REMARKS

DEPTH

Rate of Penetration increases

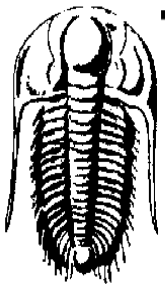
COMPANY Raymond Oil Co., Inc.

LEASE KNEBEL-SHOPE 19-1

LOCATION NW SEC. 19 TWP. 24S RGE. 8E

COUNTY BUTLER STATE KS

ELEVATION: 1520 KB



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co Inc**

PO Box 48788
Wichita , KS 67201

ATTN: Robert Turner

Knebel-Shope #19-1

19-24s-8e Butler,KS

Start Date: 2018.08.27 @ 04:08:40
End Date: 2018.08.27 @ 13:30:40
Job Ticket #: 2424 DST #: 1

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

Printed: 2018.08.29 @ 13:13:37

DRILL STEM TEST REPORT

Raymond Oil Co Inc

PO Box 48788
Wichita , KS 67201

ATTN: Robert Turner

19-24s-8e Butler,KS

Knebel-Shope #19-1

Job Ticket: 2424 **DST#: 1**

Test Start: 2018.08.27 @ 04:08:40

GENERAL INFORMATION:

Formation: **Squirrel**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:43:55
Time Test Ended: 13:30:40

Test Type: Conventional Bottom Hole (Initial)
Tester: Matt Smith
Unit No: 68

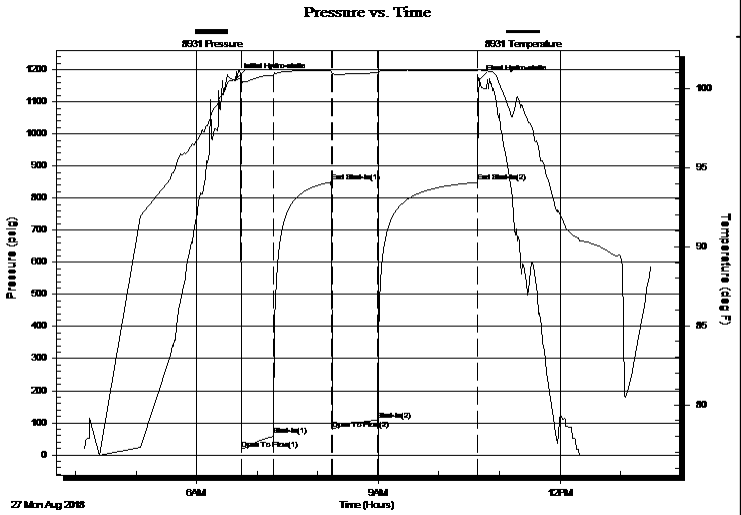
Interval: 2424.00 ft (KB) To 2470.00 ft (KB) (TVD)
Total Depth: 2470.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1520.00 ft (KB)
1514.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8931 **Inside**
Press@RunDepth: 109.30 psig @ 2425.00 ft (KB)
Start Date: 2018.08.27 End Date: 2018.08.27
Start Time: 04:08:45 End Time: 13:30:40

Capacity: 8000.00 psig
Last Calib.: 2018.08.27
Time On Btm: 2018.08.27 @ 06:39:55
Time Off Btm: 2018.08.27 @ 10:39:55

TEST COMMENT: IF: Weak blow . Built to 4".
ISI: No blow .
FF: Weak blow . Built to 3 1/4".
FSI: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1174.97	100.58	Initial Hydro-static
4	17.29	100.27	Open To Flow (1)
37	61.01	100.85	Shut-In(1)
94	850.16	101.11	End Shut-In(1)
95	81.48	100.92	Open To Flow (2)
139	109.30	101.00	Shut-In(2)
239	849.56	101.11	End Shut-In(2)
240	1169.09	101.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCW 90%m 10%w	0.30
156.00	Drlg Mud 100%m	0.96

Gas Rates

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

DRILL STEM TEST REPORT

Raymond Oil Co Inc

PO Box 48788
Wichita , KS 67201

ATTN: Robert Turner

19-24s-8e Butler,KS

Knebel-Shope #19-1

Job Ticket: 2424 **DST#: 1**

Test Start: 2018.08.27 @ 04:08:40

GENERAL INFORMATION:

Formation: **Squirrel**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:43:55
Time Test Ended: 13:30:40

Test Type: Conventional Bottom Hole (Initial)
Tester: Matt Smith
Unit No: 68

Interval: 2424.00 ft (KB) To 2470.00 ft (KB) (TVD)
Total Depth: 2470.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

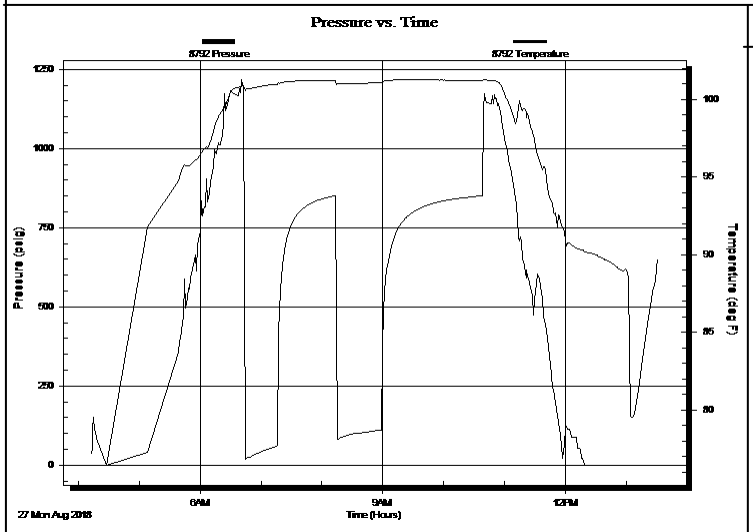
Reference Elevations: 1520.00 ft (KB)
1514.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8792 **Outside**

Press@RunDepth: psig @ 2425.00 ft (KB)
Start Date: 2018.08.27 End Date: 2018.08.27
Start Time: 04:13:02 End Time: 13:31:12

Capacity: 8000.00 psig
Last Calib.: 2018.08.27
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak blow . Built to 4".
ISI: No blow .
FF: Weak blow . Built to 3 1/4".
FSI: No blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCW 90%m 10%w	0.30
156.00	Drlg Mud 100%m	0.96

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co Inc

PO Box 48788
Wichita , KS 67201

ATTN: Robert Turner

19-24s-8e Butler,KS

Knebel-Shope #19-1

Job Ticket: 2424 **DST#: 1**

Test Start: 2018.08.27 @ 04:08:40

Tool Information

Drill Pipe:	Length:	2239.00 ft	Diameter:	3.25 inches	Volume:	22.97 bbl	Tool Weight:		2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		24000.00 lb
Drill Collar:	Length:	179.00 ft	Diameter:	2.25 inches	Volume:	0.88 bbl	Weight to Pull Loose:		35000.00 lb
					Total Volume:	23.85 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		22.00 ft					String Weight:	Initial	31000.00 lb
Depth to Top Packer:		2424.00 ft						Final	31000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		46.00 ft							
Tool Length:		74.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments: Shale Packer in tool.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			2397.00		
Shut In Tool	5.00			2402.00		
Hydraulic tool	5.00			2407.00		
Jars	5.00			2412.00		
Safety Joint	3.00			2415.00		
Packer	4.00			2419.00	28.00	Bottom Of Top Packer
Packer	5.00			2424.00		
Stubb	1.00			2425.00		
Recorder	0.00	8931	Inside	2425.00		
Recorder	0.00	8792	Outside	2425.00		
Perforations	2.00			2427.00		
Change Over Sub	1.00			2428.00		
Blank Spacing	31.00			2459.00		
Change Over Sub	1.00			2460.00		
Perforations	7.00			2467.00		
Perforations	3.00			2470.00	46.00	Bottom Packers & Anchor
Total Tool Length:	**74.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co Inc

PO Box 48788
Wichita , KS 67201

ATTN: Robert Turner

19-24s-8e Butler,KS

Knebel-Shope #19-1

Job Ticket: 2424 **DST#: 1**

Test Start: 2018.08.27 @ 04:08:40

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	1200 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.77 in³	Gas Cushion Type:			
Resistivity:	1200.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCW 90%m 10%w	0.295
156.00	Drlg Mud 100%m	0.965

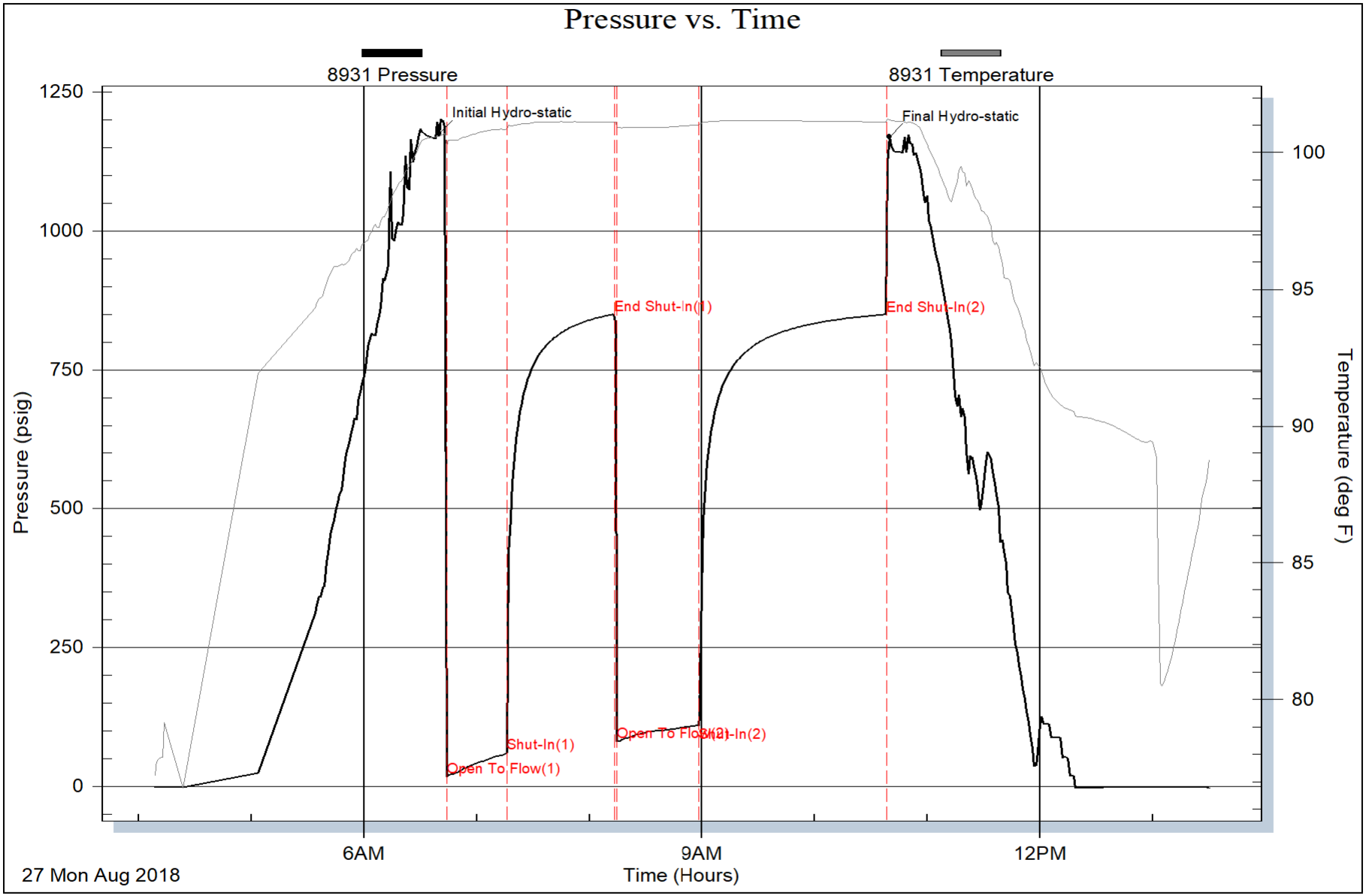
Total Length: 216.00 ft Total Volume: 1.260 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

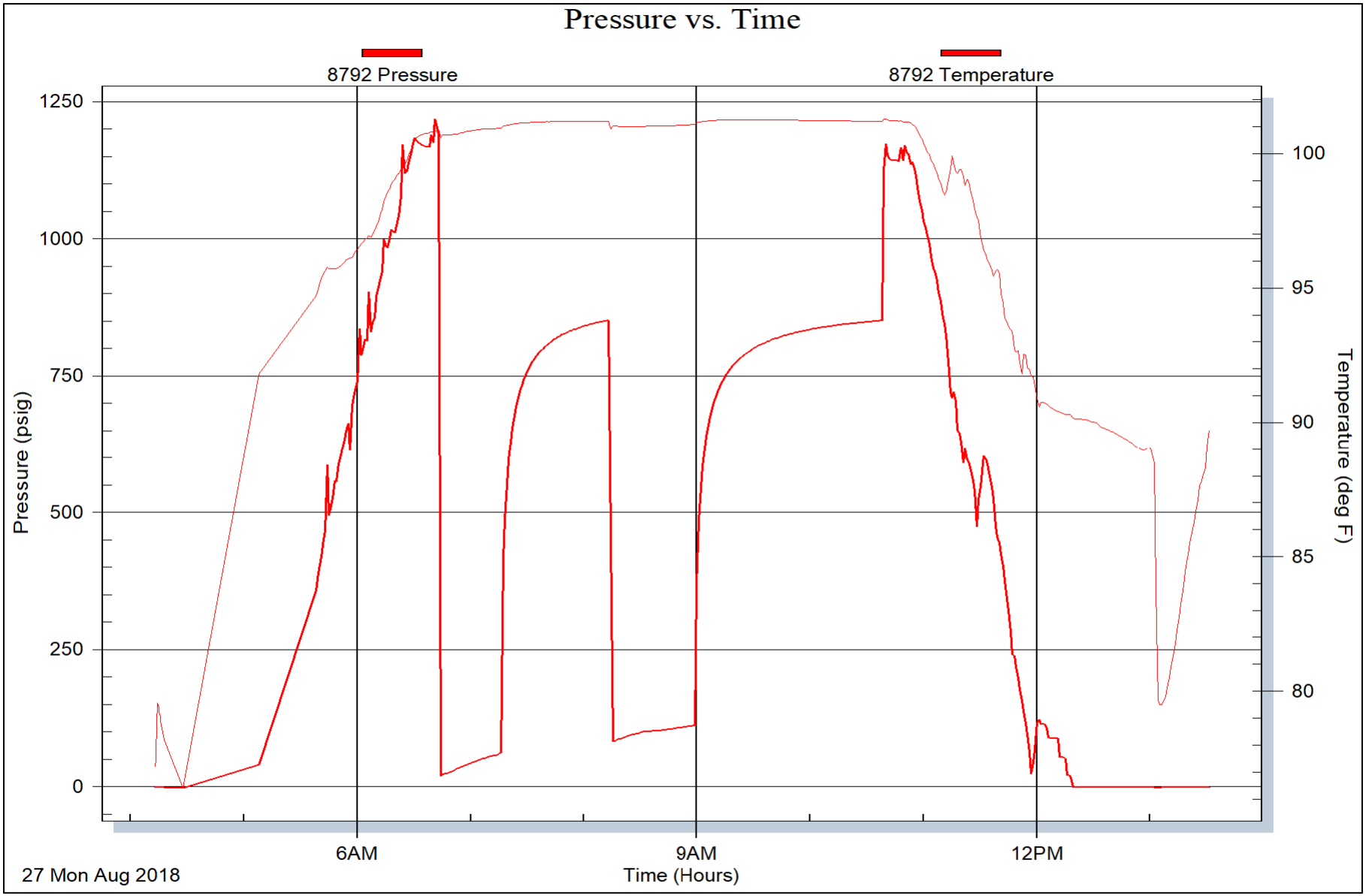
Recovery Comments:

Serial #: 8931 **Inside** Raymond Oil Co Inc Knebel-Shope #19-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 2424 Printed: 2018.08.29 @ 13:13:38

Serial #: 8792 **Outside** Raymond Oil Co Inc Knebel-Shope #19-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 2424 Printed: 2018.08.29 @ 13:13:38

TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57899

Well Name & No. Knebel - Shope Test No. 1 Date 8-27-18
Company Raymond Oil Company Inc. Elevation 1520 KB 1514 GL
Address P.O. Box 48788 Wichita, KS. 67201
Co. Rep / Geo. Robert Turner Rig C & G #1
Location: Sec. 19 Twp. 24S Rge. 8E Co. Butler State KS.

Interval Tested 2424 - 2470 Zone Tested Squirrel
Anchor Length 46' Drill Pipe Run 2239 Mud Wt. 9.3
Top Packer Depth 2419 Drill Collars Run 179 Vis 50
Bottom Packer Depth 2424 Wt. Pipe Run 0 WL 8.8
Total Depth 2470 Chlorides 1,200 ppm System LCM 1#

Blow Description IF: Weak blow. Built to 4".
ISI: No blow.
FF: Weak blow. Built to 3 1/4".
FSI: No blow.

Rec 156	Feet of Drlg mud	%gas	%oil	%water	100	%mud
Rec 60	Feet of MCW	%gas	%oil	10 %water	90	%mud
Rec	Feet of	%gas	%oil	%water		%mud
Rec	Feet of	%gas	%oil	%water		%mud
Rec	Feet of	%gas	%oil	%water		%mud

Rec Total 216' fluid BHT 101° Gravity N/A API RW N/A @ N/A °F Chlorides 1200 ppm

(A) Initial Hydrostatic 1175	☑ Test 1050	T-On Location 0319
(B) First Initial Flow 17	☑ Jars 250	T-Started 0408
(C) First Final Flow 61	☑ Safety Joint 75	T-Open 0643
(D) Initial Shut-In 850	☐ Circ Sub	T-Pulled 1030
(E) Second Initial Flow 81	☑ Hourly Standby ? 1.25hr 100	T-Out 1330
(F) Second Final Flow 109	☑ Mileage (284) 284+284	Comments
(G) Final Shut-In 850	☐ Sampler	
(H) Final Hydrostatic 1169	☐ Straddle	☐ Ruined Shale Packer
	☑ Shale Packer 250	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 60	☐ Extra Recorder	Sub Total 0
Final Flow 45	☐ Day Standby	Total 2293
Final Shut-In 90	☐ Accessibility	MP/DST Disc't
	Sub Total 2293	

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.

QES

PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

11424
11308

TICKET NUMBER 54563
LOCATION Eldorado KS
FOREMAN Austin

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #813949

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-23-18	7158	Knebel - Shape #19-1	19	24	9	Butler

CUSTOMER: Ramond Oil

MAILING ADDRESS: P.O. Box 48788

CITY: Wichita | STATE: KS | ZIP CODE: 67201

TRUCK #	DRIVER	TRUCK #	DRIVER
866	Austin		
446	Brad		
611	Chance		

JOB TYPE Surface | HOLE SIZE 12¼ | HOLE DEPTH 262 | CASING SIZE & WEIGHT 8 5/8

CASING DEPTH 252 | DRILL PIPE | TUBING | OTHER

SLURRY WEIGHT 14.0 | SLURRY VOL 39.1 | WATER gal/sk 6.44 | CEMENT LEFT in CASING

DISPLACEMENT 15.0 | DISPLACEMENT PSI | MIX PSI | RATE

REMARKS: Safety meeting. Hooked up to 8⅝ Surface with Swedge & Valve broke Circulation then pumped 10 bbl water then 140 sks Cement then displaced 15.0 bbl water. Shut in Valve.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	1500.00
CE0002	20	MILEAGE	7.15	143.00
CE0711	1	min bulk delivery	660.00	660.00
CC5841	140	Surface Blend 2%	23.00	3220.00
CC6075	75	Cello Flake	2.00	150.00
				5673.00
			Disc. 35%	1985.55
			Subtotal	3687.45
			SALES TAX	142.38
			ESTIMATED TOTAL	3829.83

818

SCANNED

Revin 3737

AUTHORIZTION Butch Cornett TITLE DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form