



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 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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1063753

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	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
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY BRUNHARDT DRILLING, INC.
 LEASE Ruggles "A" #1
 FIELD Ruggles
 LOCATION SW 3E NE NE
 SEC 23 TWP 10S RGE 15W
 COUNTY Osborne STATE KANSAS
 CONTRACTOR SHIELDS DR. PROXER, INC.
 SPUD 8-25-11 COMP 8-31-11
 RTD 3100 (-1806) LTD
 MUD UP 2400' TYPE MUD CHEMICAL

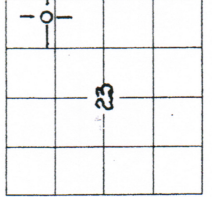
ELEVATIONS
 KB 1894'
 DF _____
 GL 1889'
 Measurements Are All
 From Kelly Bushings

CASING
 SURFACE 85/80 @ 217'
 PRODUCTION None

ELECTRICAL SURVEYS
None

SAMPLES SAVED FROM 2165' TO RTD
 DRILLING TIME KEPT FROM 2600' TO RTD
 SAMPLES EXAMINED FROM 2165' TO RTD
 GEOLOGICAL SUPERVISION FROM 2165' TO RTD
 GEOLOGIST ON WELL Brad S. Hutchinson

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE		1075 +819
TOPEKA		2784 -890
WEBER		3028 -1134
TOPEKA		3050 -1156
LANTANA		3079 -1185
Base Kansas City		3349 -1475
Local Shale		3437 -1543
Lang. Sand		3447 -1553
Viola		3514 -1620
AGAVE		3610 -1716



REMARKS: It was recommended based on the two (2) negative drillstem tests, and there being no zones worthy of any further testing, that the Ruggles "A" #1 be plugged and abandoned at a total rotary depth of 3100 (-1806).

Respectfully Submitted,
Brad S. Hutchinson
 Brad S. Hutchinson

Survey:	Depth:	Deviation
8-25-11	220'	14 HRS
8-26-11	1112'	36
8-28-11	2231'	58
8-29-11	3020'	18 1/2
8-30-11	3190'	25 1/2
8-31-11	3420'	

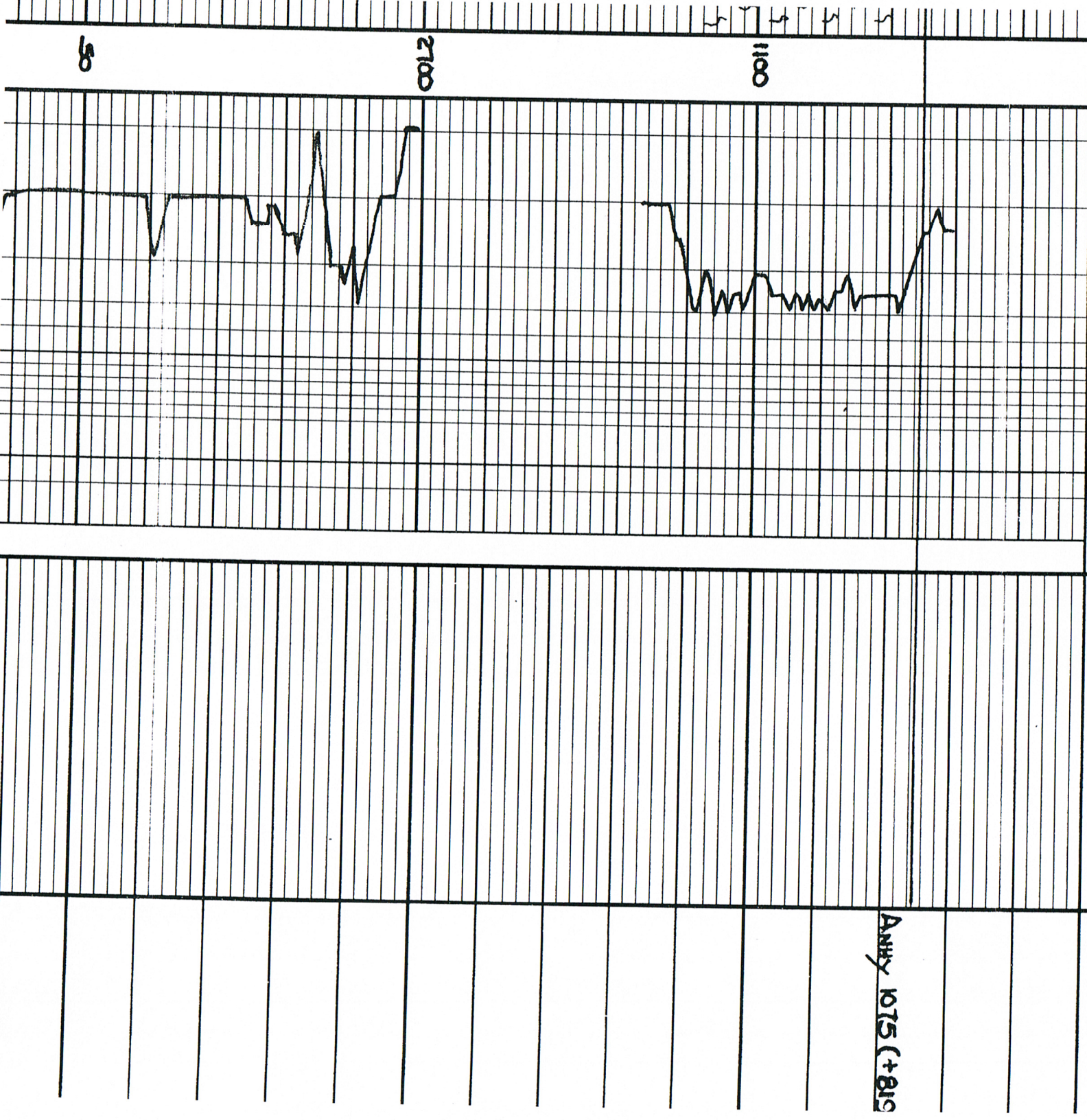
TRAP: .98' Short
 3120'
 220'
 240'

LEGEND



- Anhydrite 
- Salt 
- Sandstone 
- Shale 
- Carb sh 
- Limestone 
- Ool. Lime 
- Chert 
- Dolomite 

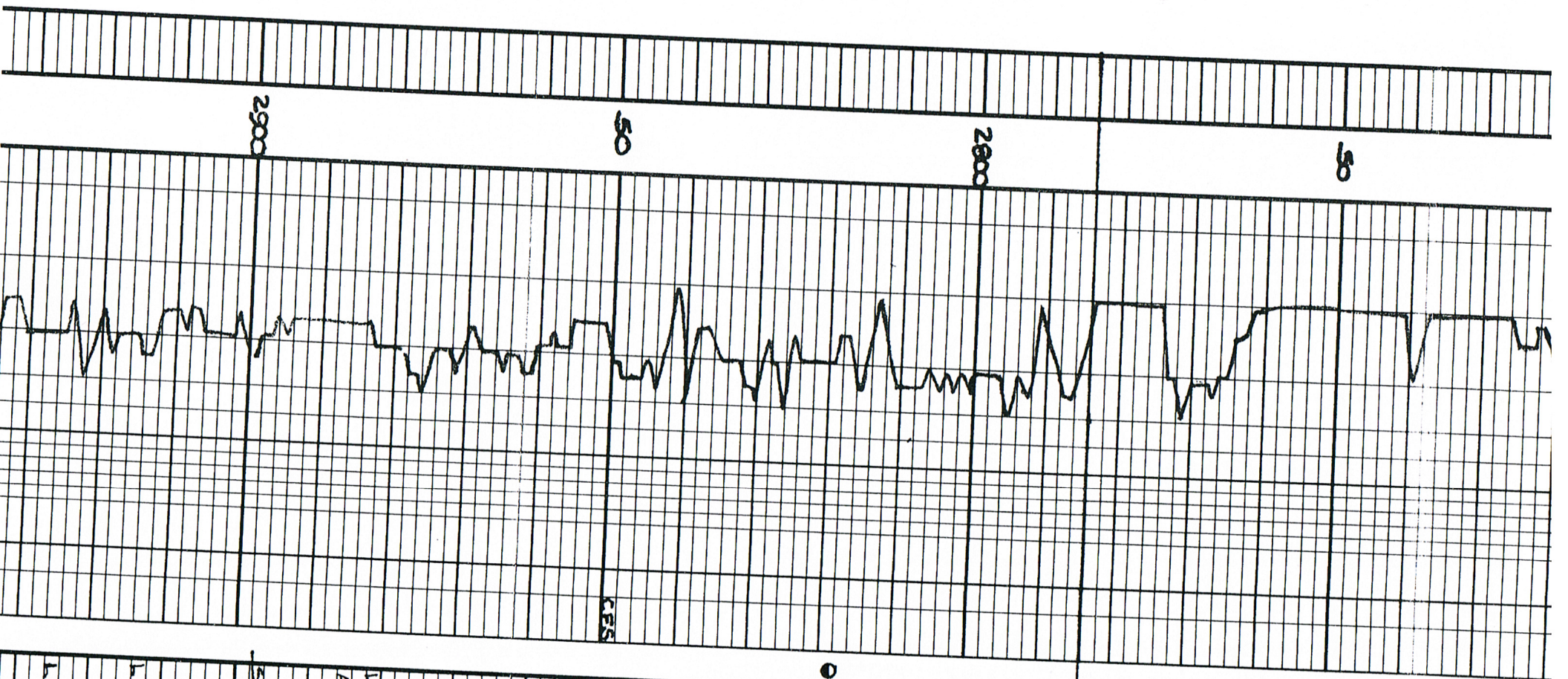
DEPTH	DRILLING TIME (Logarithmic Scale)	SAMPLE DESCRIPTIONS	REMARKS
5			
1			
2			
3			
4			
5			
10			
15			
20			
30			



8

2700

1100



L4 CRK-LIGHT FINE-CLAYE
F055

TOPSKA 278

L5 DIRTY GRAY CHALKY

SH BLK

L5 BUFE - GRAY VENEIL-
HIGHLY CHALKY AND VISO,
SCLD FOR DK BKH STN-SOL
SHE VET DROT

L5 LT GRAY BUFE CHALKY
w/ pale gray (mealy)
SH.

L7 WHT HIGHLY CHALKY
F055

DITTO AA w/ stringers
BRN RED SH.

L5 G SH AA

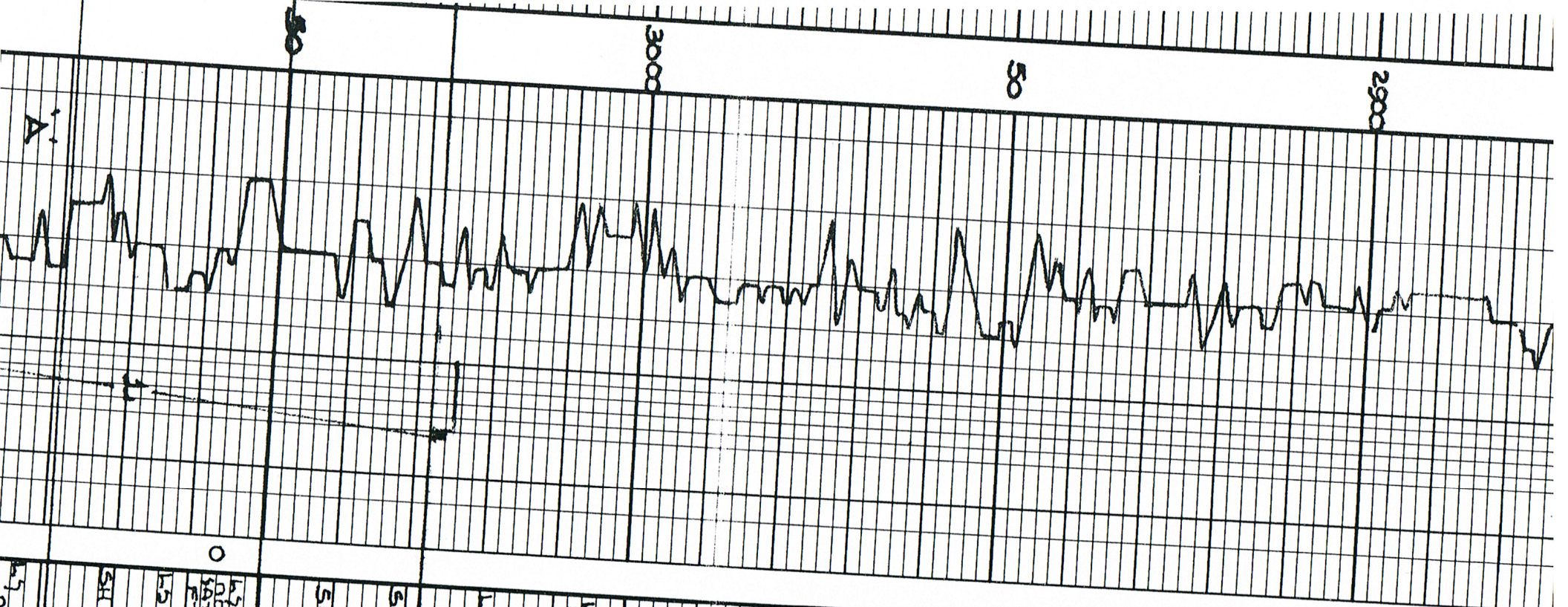
N12.52 WTS

ABUND WHT CALCIC

SH BLK COAR.

L5 CRK-BUFE DSE.
AY

L5 AA TR edge sm



L5 Y SH AA

Nb. 52 wt. 9.0%

ABUND WHIT CALCIC

SH BLK COAR.

L5 CRST-BUFFE DSE.
AY

L5 AA TR edge str

ALL WHIT chalky L5
GRY MEALY 7 SH.

SH BLK COAR.

L5 WHIT-CRST HIGHLY
CHALKY - MILKY

L5 BUFF-LT GRY DSE.

L5 CRST. WHIT HIGHLY
CHALKY

AA

L5 WHIT-CRST DSE TR 4PT
L5 RUSTY STR NFO OR OLAN

L5 WHIT CHALKY

SH BLK COAR.

SH RUSTY BRN-PALE GRN

L5 WHIT-CRST VENTX DSE
NO VIS OF SCLD FR BRN STR
SCLD 3FO (WHEN BROKEN)
L5 GRY DSE

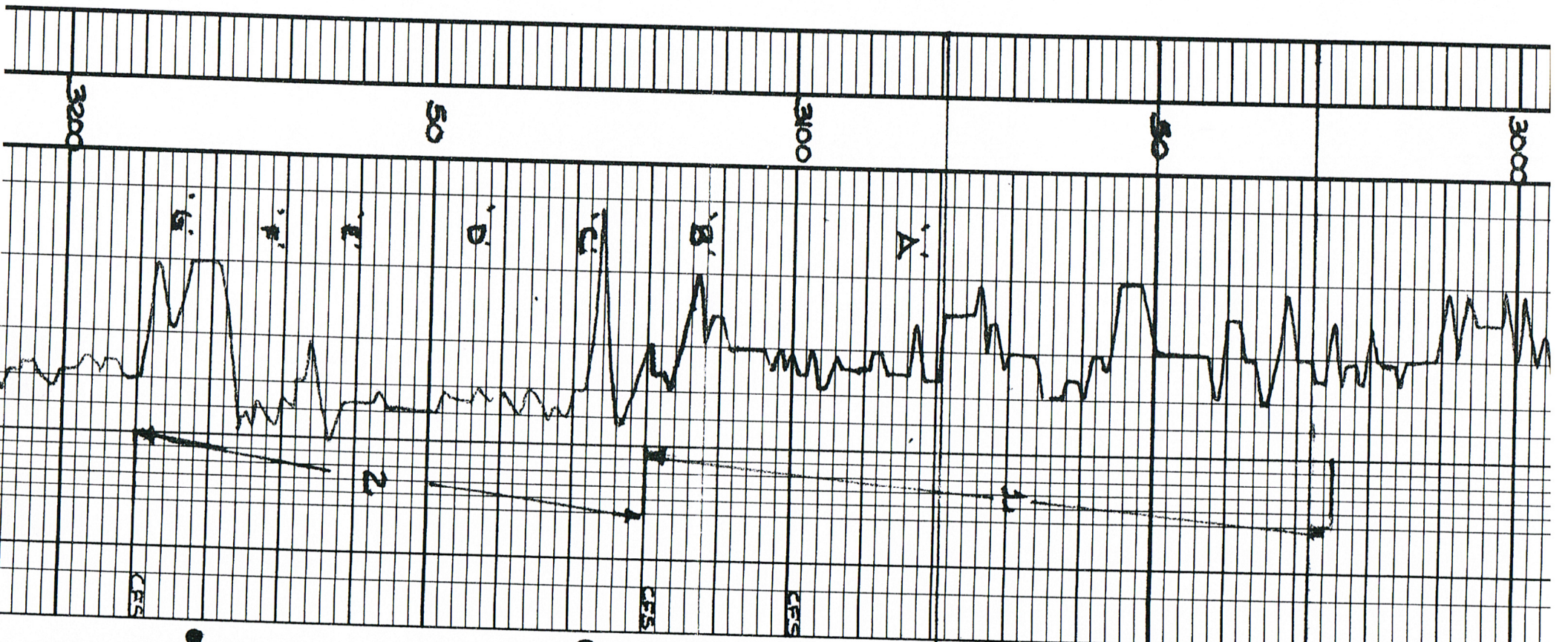
SH RUSTY BRN - GRN

3000 TO 3000 (118)

3000 TO 3000 (1134)

Nb. 58 wt. 9.4

3000 TO 3000 (118)



AA
 L5 WHTE-GRN D5e tr 4pt
 L4 BRN 5in NFO or calc

L5 WHTE CRALKY

SH BLK CARB

SH RUSTY BRN-PALE GRN

L5 WHTE-GRN VENTL D5e
 NB VIS OF SCAL FR BRN SHN
 SAT 5FE (WHEN broken)
 FI DOOR

L5 GRAY D5e

SH RUSTY BRN - GRN

L5 GRN VENTL - CRALKY
 NO VIS OF TR POOR apt
 L4 BRN NEO Y 5in odor

SH PALE GRN (mealy)
 gray

L5 WHTE ENXL - D5e. POL -
 DOC TR SCAL FR DOC TR
 EN SCAL BRN STN - 50ft
 SH 5FE V. FT 0001
 abundant tolsky WHTE COL A

L5 BUFE - GRN ENXL COL -
 DOC BR SCAL DOC TR 50ft
 T 500, FC FO V. FT odor

L5 OFF WHTE - LI GRAY
 ENXL - D5e

WH GRAY - PALE GRN (mealy)
 SH,

SH GRAY TR GRAY COL L5

L5 BUFE - OFF WHTE D5e. F055
 TR MUXY WHTE COL A
 KHS

L5 GRN - GRAY WHTE ENXL
 COL - DOC FR SCAL DOC
 TR FR SCAL golden BRN -
 SH - SAT BRN broken P
 ODOR WHTE CRALKY
 FR 5FE FR odor

L5 LI GRAY D5e

HEBER 302

FORO 304

LAWS 30

NLS 58 Wt 9

DST-1 3035-3
 30. 30. 47.
 IF 2"
 CF 1"

HE. 30 MUD/
 BL

SEP (403-400
 SP (56-69) X1
 WH (1574-1519

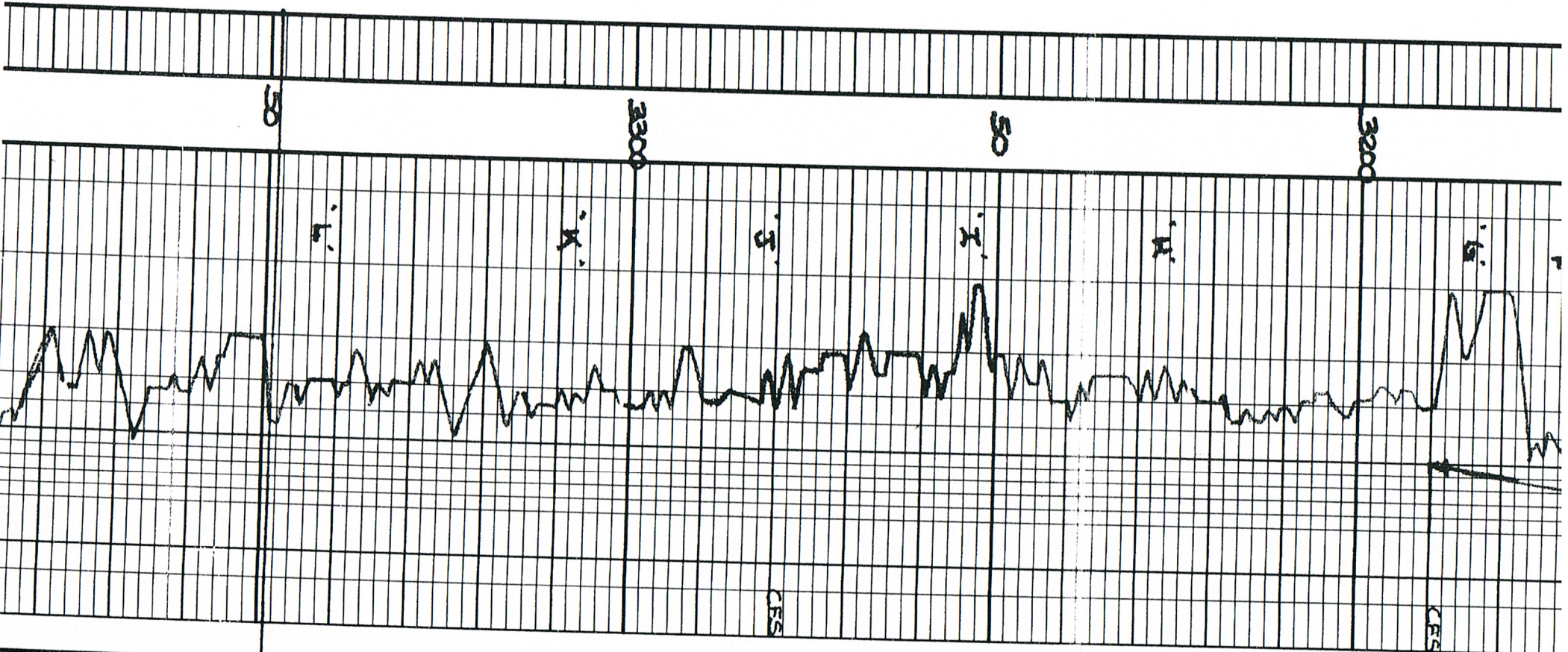
CHART PR

DST-2 3120-3
 30. 30. 60.
 IF 5 3/4"
 CF 10 1/4"

HE. 80' LIP
 2' XOLUM
 50/AD 250/LH
 140' MW/DIL 5

SIP (358-388
 FP (43-74) X76
 WH (1678-1566

57



L6 GRAY-GREYISH WHIT FINE
 OR FOR P. local sand box
 of TB. FR. sand golden brown
 thin-SAT Abund barren
 of
 FINE WHIT CHALK
 FR. color
 140' MW/DIT
 51P (358-3
 51P (43-74)
 15H (1678-12

L5 LT GRAY DSE

L4 GRAY-WHT HIGHLY CHALKY
 loc. gray SA

SH Bk CARB. w/ Abund
 Rusty - gray SA

L3 LT GRAY DSE. BY 51
 Foss. TB (dead) edge str.

SH Bk CARB. w/ WHIT
 Chalky L3.

L2 WHIT-GRY FINE CHALKY
 TO V. Poorly dev pp of
 TO SPLIT STR
 NEO OR older
 Abund WHIT CHALK

SH GRAY

L1 WHIT-GRY HIGHLY CHALKY
 Foss. to split str
 (1-2 pc) NEO OR older

SH Bk CARB.

ABUND WHIT CHALKY L5

L4 LT GRAY DSE
 Foss.

SH GRAY (MEALY)

L3 LT GRAY-BUFF DSE

L2 AA

SH RUSTY BRN, GRAY
 Pale GRN (MEALY)

L1 BUFF FINE DSE

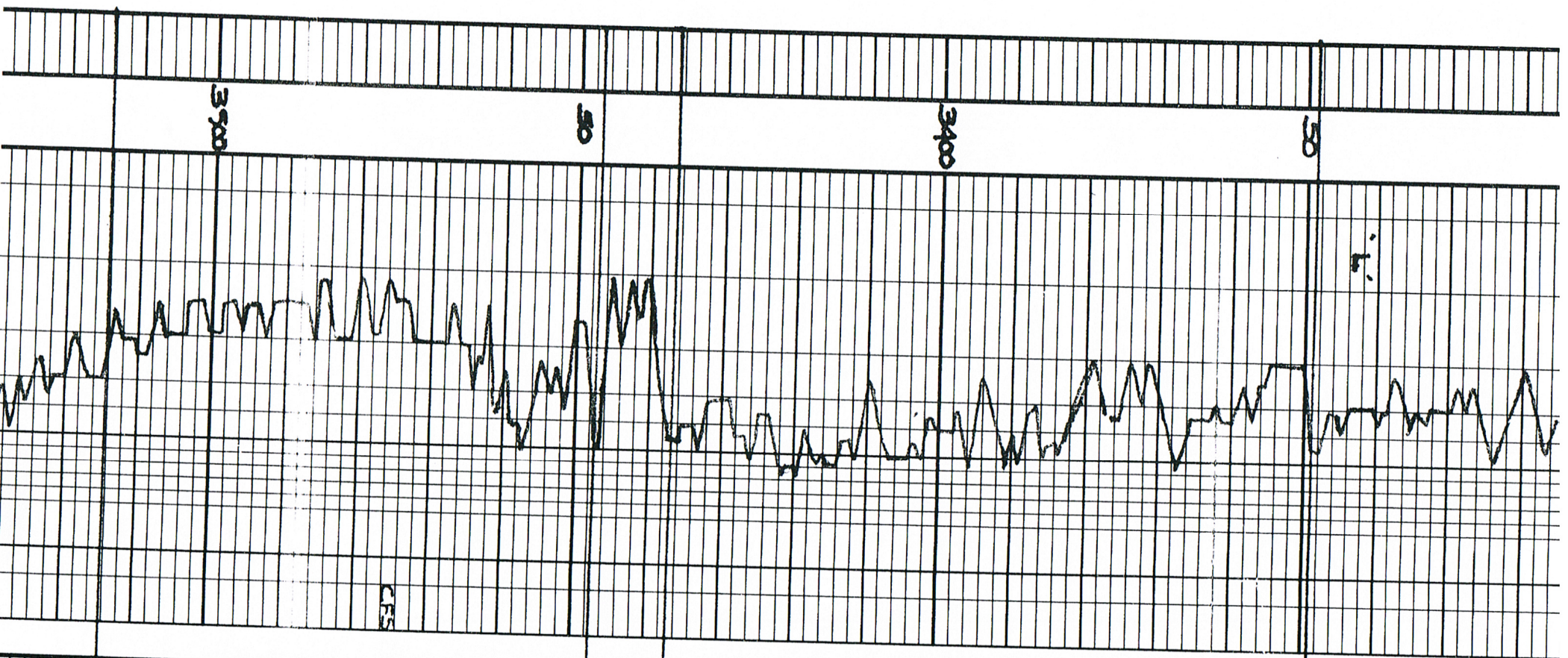
SH GRAY RUSTY BRN
 MARDON,

AA

BASE KC. 3

51

QUART PROF



CFS

SH GRAY (MEALY)

L5 LITERY-BUEE D5E

L5 AA

SH RUSTY BRN, GRAY
PALE GRN (MEALY)

L5 BUEE ENXL D5E

SH GRY RUSTY BRN
MARBON,

AA

L5 WHT-BUEE D5E

L5 AND SH AA

AA

SAME AA

SH VC TR VC A

L5 WHT VENGREN CONSOLID
FBI DO VIS gr compact
NS

A VC ALL IN MATRIX
VC SH

SAME AA

ABOUND VC A WJ 106
BONEY WHT A TR VC SH

A 4 SH AA

A 4 SH AA

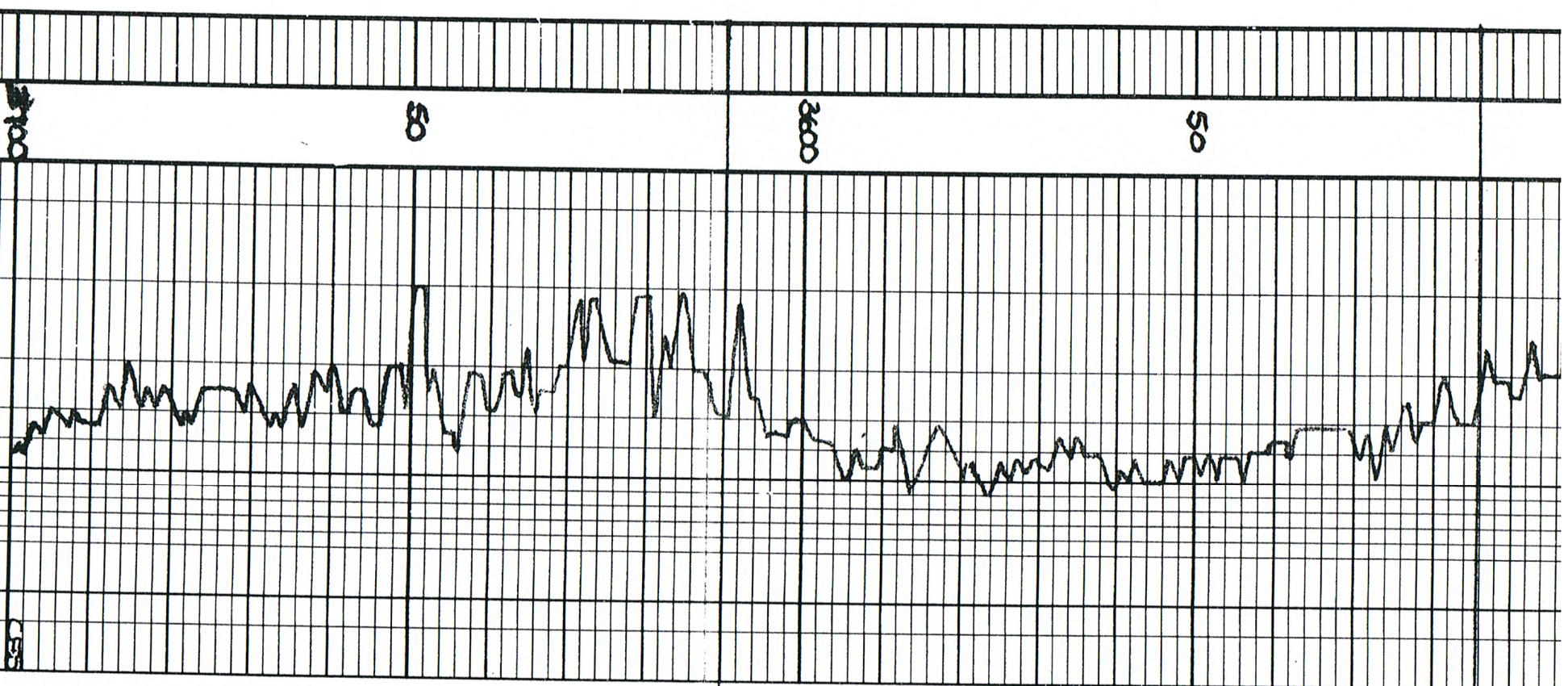
5 BUEE-CRUY D5E
MASSIVE

BASE KC

Cal. SH 34

Cal. SO 34

MIWA 3514



AA 5H AA

5 BUFE - GRAY DSE
MASSIVE

Viola 351

15 BUFE - LT GRAY VENUS
DSE DOMINANT

DOLO BUFE - LT GRAY FUKG
Very DSE w/ L5 AA

AA

5H MAG - PAKE. GRAY LARY
waxy

5H BLU GRAY / LT GRAY
w/ST clarity L5

Via. 510 15

5H AA

AA

5H AA

Aug. 3610

DOLO LT BRN - BUFE VENUS
DSE

DOLO LT BRN DSE AY TR
MID XL DOLO 5PT 9d VING
-NG-

DOLO LT BRN - BUFE FN. MID XL
FR SCED 10T XL p
w/ST CLARCK
NS

DITTO DOLO AA

NS

DOLO LT BRN - INC 10 PK
MID - 65 XL 9d 10T XL
p Phorbic 9dlev,
NS

DOLO AA

NS

DOLO AA

NS

3700

3800

50

3600

50



DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665+1731

ATTN: Gary Brungardt

23-10-15-Osborne,KS

Ruggels A-1

Start Date: 2011.08.29 @ 15:55:11

End Date: 2011.08.29 @ 21:46:11

Job Ticket #: 039746 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.09.27 @ 14:14:59



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

Ruggels A-1

PO Box 871
Russell KS 67665+1731

23-10-15-Osborne,KS

ATTN: Gary Brungardt

Job Ticket: 039746

DST#: 1

Test Start: 2011.08.29 @ 15:55:11

GENERAL INFORMATION:

Formation: **Toronto-Lansing-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:43:11

Time Test Ended: 21:46:11

Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

Unit No: 44

Interval: 3025.00 ft (KB) To 3120.00 ft (KB) (TVD)

Reference Elevations: 1899.00 ft (KB)

Total Depth: 3120.00 ft (KB) (TVD)

1894.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8321

Inside

Press @ Run Depth: 82.41 psig @ 3097.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.29

End Date:

2011.08.29

Last Calib.:

2011.08.29

Start Time:

15:55:12

End Time:

21:46:11

Time On Btm:

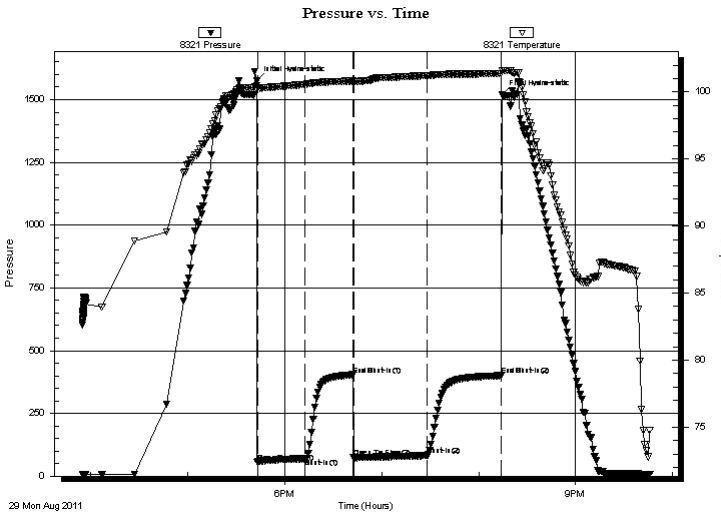
2011.08.29 @ 17:42:41

Time Off Btm:

2011.08.29 @ 20:14:41

TEST COMMENT: IFP-Weak blow built to 2 in
ISI-Dead no blow back
FFP-Weak blow built to 1 in
FSI-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1574.04	100.49	Initial Hydro-static
1	56.50	100.19	Open To Flow (1)
30	69.68	100.57	Shut-In(1)
60	403.63	100.82	End Shut-In(1)
60	73.66	100.73	Open To Flow (2)
106	82.41	101.22	Shut-In(2)
151	400.54	101.37	End Shut-In(2)
152	1519.90	101.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud w with a scum of oil	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

Ruggels A-1

PO Box 871
Russell KS 67665+1731

23-10-15-Osborne,KS

Job Ticket: 039746

DST#: 1

ATTN: Gary Brungardt

Test Start: 2011.08.29 @ 15:55:11

Tool Information

Drill Pipe:	Length: 2569.00 ft	Diameter: 3.80 inches	Volume: 36.04 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 468.00 ft	Diameter: 2.70 inches	Volume: 3.31 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	36000.00 lb
			<u>Total Volume: 39.35 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	32000.00 lb
Depth to Top Packer:	3025.00 ft			Final	33000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	95.00 ft				
Tool Length:	115.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3006.00	
Shut In Tool	5.00			3011.00	
Hydraulic tool	5.00			3016.00	
Packer	4.00			3020.00	20.00 Bottom Of Top Packer
Packer	5.00			3025.00	
Stubb	1.00			3026.00	
Perforations	8.00			3034.00	
Change Over Sub	1.00			3035.00	
Drill Pipe	61.00			3096.00	
Change Over Sub	1.00			3097.00	
Recorder	0.00	8321	Inside	3097.00	
Recorder	0.00	8737	Outside	3097.00	
Perforations	20.00			3117.00	
Bullnose	3.00			3120.00	95.00 Bottom Packers & Anchor

Total Tool Length: 115.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

Ruggels A-1

PO Box 871
Russell KS 67665+1731

23-10-15-Osborne,KS

Job Ticket: 039746 **DST#: 1**

ATTN: Gary Brungardt

Test Start: 2011.08.29 @ 15:55:11

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:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4600.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud w ith a scum of oil	0.212

Total Length: 30.00 ft Total Volume: 0.212 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8321

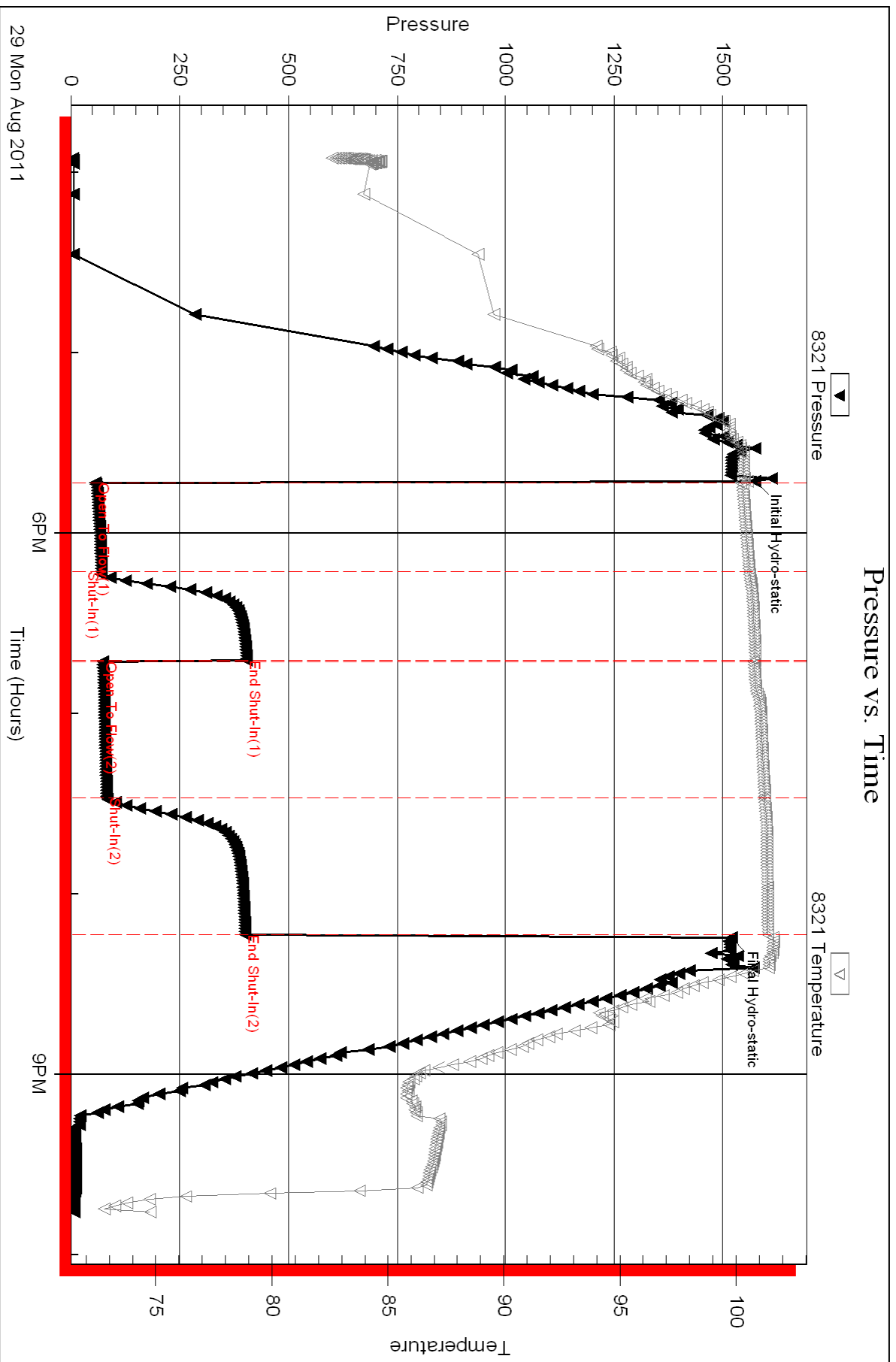
Inside

Brungardt Oil & Leasing Inc

23-10-15-Osborne,KS

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 039746

Printed: 2011.09.27 @ 14:15:01



DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665+1731

ATTN: Gary Brungardt

23-10-15-Osborne,KS

Ruggels A-1

Start Date: 2011.08.30 @ 06:49:25

End Date: 2011.08.30 @ 13:33:55

Job Ticket #: 039747 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.09.27 @ 14:15:43



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

Ruggels A-1

PO Box 871
Russell KS 67665+1731

23-10-15-Osborne,KS

ATTN: Gary Brungardt

Job Ticket: 039747

DST#: 2

Test Start: 2011.08.30 @ 06:49:25

GENERAL INFORMATION:

Formation: **LKC D-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:52:55

Time Test Ended: 13:33:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 44

Interval: 3120.00 ft (KB) To 3190.00 ft (KB) (TVD)

Reference Elevations: 1899.00 ft (KB)

Total Depth: 3190.00 ft (KB) (TVD)

1894.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8321

Inside

Press @ Run Depth: 118.52 psig @ 3161.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.30

End Date:

2011.08.30

Last Calib.:

2011.08.30

Start Time:

06:49:26

End Time:

13:32:55

Time On Btm:

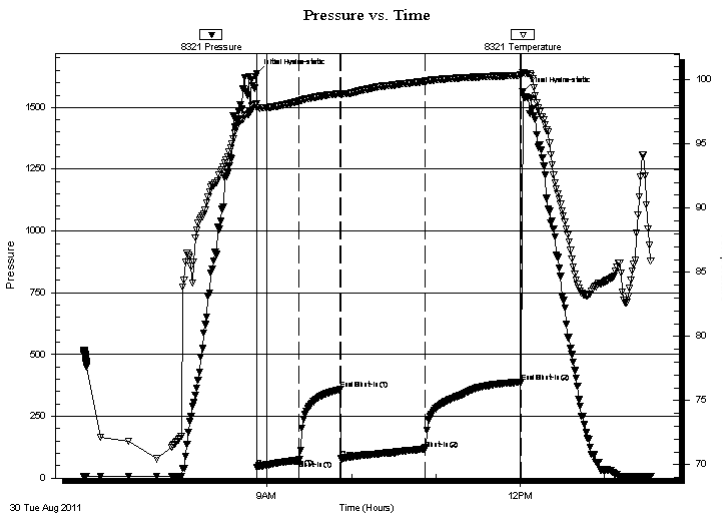
2011.08.30 @ 08:52:25

Time Off Btm:

2011.08.30 @ 12:01:55

TEST COMMENT: IFP-Fair blow built to 5 3/4 in
ISI-Weak surface blow back died out in 5 min
FFP-Fair blow built to 6 1/4 in
FSI-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1638.48	98.15	Initial Hydro-static
1	43.19	97.84	Open To Flow (1)
31	73.89	98.34	Shut-In(1)
60	358.45	98.93	End Shut-In(1)
60	78.25	98.88	Open To Flow (2)
120	118.52	99.89	Shut-In(2)
189	388.75	100.37	End Shut-In(2)
190	1565.75	100.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
139.00	MW with oil spots 25%M75%W	0.98
2.00	SOCWM 5%O25%M70%W	0.01
0.00	78 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

Ruggels A-1

PO Box 871
Russell KS 67665+1731

23-10-15-Osborne,KS

Job Ticket: 039747

DST#: 2

ATTN: Gary Brungardt

Test Start: 2011.08.30 @ 06:49:25

Tool Information

Drill Pipe:	Length: 2662.00 ft	Diameter: 3.80 inches	Volume: 37.34 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 468.00 ft	Diameter: 2.70 inches	Volume: 3.31 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	38000.00 lb
			<u>Total Volume: 40.65 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	34000.00 lb
Depth to Top Packer:	3120.00 ft			Final	34000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	70.00 ft				
Tool Length:	90.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3101.00	
Shut In Tool	5.00			3106.00	
Hydraulic tool	5.00			3111.00	
Packer	4.00			3115.00	20.00 Bottom Of Top Packer
Packer	5.00			3120.00	
Stubb	1.00			3121.00	
Perforations	8.00			3129.00	
Change Over Sub	1.00			3130.00	
Drill Pipe	30.00			3160.00	
Change Over Sub	1.00			3161.00	
Recorder	0.00	8321	Inside	3161.00	
Recorder	0.00	8737	Outside	3161.00	
Perforations	26.00			3187.00	
Bullnose	3.00			3190.00	70.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

Ruggels A-1

PO Box 871
Russell KS 67665+1731

23-10-15-Osborne,KS

Job Ticket: 039747

DST#: 2

ATTN: Gary Brungardt

Test Start: 2011.08.30 @ 06:49:25

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
139.00	MW w ith oil spots 25%M75%W	0.984
2.00	SOCWM 5%O25%M70%W	0.014
0.00	78 GIP	0.000

Total Length: 141.00 ft Total Volume: 0.998 bbl

Num Fluid Samples: 0

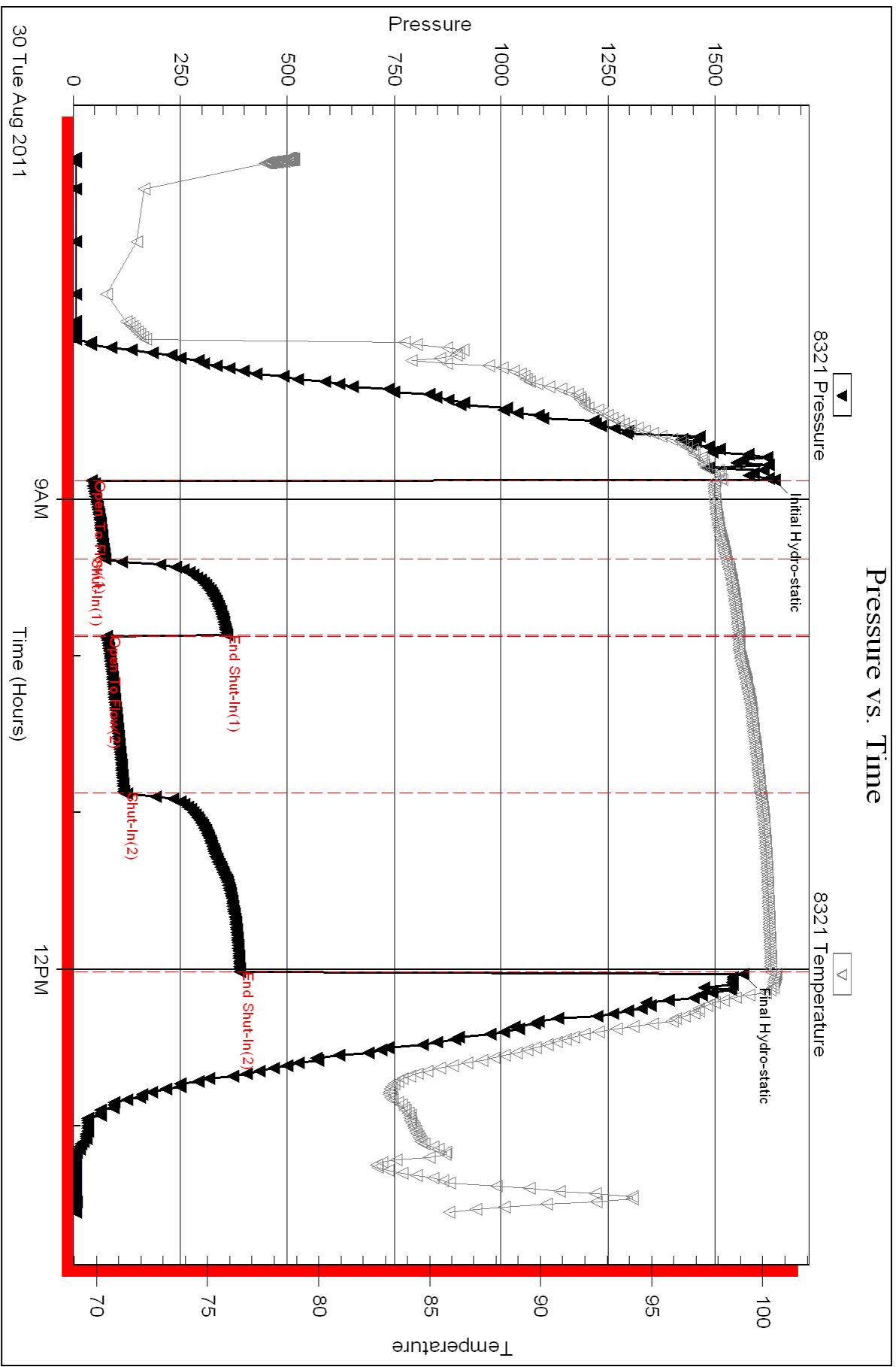
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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. 5287

Date	9/11/11	Sec.	03	Twp.	10	Range	15	County	Osborne	State	KS	On Location		Finish	8:30 AM
Lease	Rucker A	Well No.	1	Location	Paradise Pumping Unit										
Contractor	Sherrill Drilling														
Type Job	PTA														
Hole Size	9 5/8"	T.D.	3700'												
Csg.		Depth													
Tbg. Size		Depth													
Tool		Depth													
Cement Left In Csg.		Shoe Joint													
Meas Line		Displace													

EQUIPMENT			
Pumptrk	9	No.	Cement Helper
Bulktrk	8	No.	Driver
Bulktrk	7	No.	Driver
Bulktrk	6	No.	Driver
Bulktrk	5	No.	Driver

JOB SERVICES & REMARKS

Remarks: Rat Hole 30' x
 Mouse Hole 30' x
 Centralizers
 Baskets
 D/V or Port Collar

255x - 355x
 255x - 1100'
 1005x - 650'
 405x - 275'
 105x - 145'

FLOAT EQUIPMENT

Guide Shoe
 Centralizer
 Baskets
 AFU Inserts
 Float Shoe
 Latch Down

Mileage
 Pumptrk Charge
 Mileage

X Signature
 Discount
 Tax
 Total Charge

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. 5278

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8/26/11	23	10	15	Osborne	KS		1:00 AM
Lease	Ruggels "A"	Well No.	1	Location	Paradise, W to 220 Dr. 1/2 N, W 1/4 to		
Contractor	Schriek Drilling			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	Surface						
Hole Size	12 1/4			T.D.	220'		
Csg.	25K9			Depth	220'		
Tbg. Size				Depth	Street		
Tool				Depth	City		
Cement Left in Csg.	15'			Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.		
Meas Line				Displace	13 Bbls		
EQUIPMENT							
Pumptrk	No.	Cementer	Common				
		Helper					
Bulktrk	No.	Driver	Poz. Mix				
		Driver					
Bulktrk	No.	Driver	Gel.				
		Driver					
JOB SERVICES & REMARKS							
Remarks:	Hulls						
Rat Hole	Salt						
Mouse Hole	Flowseal						
Centralizers	Kol-Seal						
Baskets	Mud CLR 48						
D/V or Port Collar	CFL-117 or CD110 CAF 38						
	Sand						
	Handling						
	Mileage						
	5 3/4" FLOAT EQUIPMENT						
	Guide Shoe						
	Centralizer						
	Baskets						
	AFU Inserts						
	Float Shoe						
	Latch Down						
	Head x Manifold						
	Wood Plug						
	Pumptrk Charge						
	Mileage						
	Tax						
	Discount						
	Total Charge						
X Signature	Horn						