



**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: \_\_\_\_\_



1063033

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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# KIM B. SHOEMAKER

CONSULTING GEOLOGIST

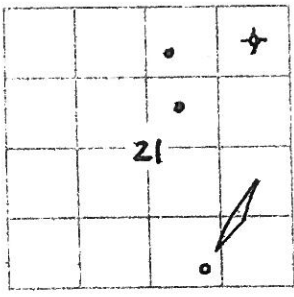
316-684-9709 \* WICHITA, KS

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>RAYMOND OIL COMPANY, INC.</u> LEASE <u># 3 MICHAUD TRUST</u> FIELD _____ LOCATION <u>375' FSL &amp; 1640' FEL</u> SEC <u>21</u> TWPSP <u>18s</u> RGE <u>27W</u> COUNTY <u>LANE</u> STATE <u>KANSAS</u>	ELEVATIONS KB <u>2695</u> DF _____ GL <u>2686</u> Measurements Are All From <u>2695 KB</u>
CONTRACTOR <u>DUKE DRILLING CO. RIG 4</u> SPUD <u>5-27-11</u> COMP <u>6-4-11</u> RTD <u>4683</u> LTD <u>4688</u> MUD UP <u>3400</u> TYPE MUD <u>CHEMICAL</u>	CASING SURFACE <u>8 5/8" @ 258'</u> PRODUCTION <u>5 1/2" @</u> ELECTRICAL SURVEYS DUAL IND., PENS-N. MICRO
SAMPLES SAVED FROM _____ <u>3700</u> TO <u>4683</u> DRILLING TIME KEPT FROM _____ <u>3400</u> TO <u>4683</u> SAMPLES EXAMINED FROM _____ <u>3700</u> TO <u>4683</u> GEOLOGICAL SUPERVISION FROM _____ <u>3900</u> TO <u>4683</u> GEOLOGIST ON WELL <u>KIM B. SHOEMAKER</u>	

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	2052+643	2017+648
B/ANH.	2085+610	2075+620
STOTLER (WAB)	3514+819	3508+813
HEEBNER	3935+1240	3930+1235
LANSING	3972+1277	3968+1273
STARK	4242+1547	4236+1541
MARMATON	4344+1649	4340+1645
FORT SCOTT	4495+1800	4480+1795
CHEROKEE	4518+1823	4513+1818
MISSISSIPPI	4621+1926	4617+1922

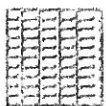



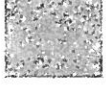
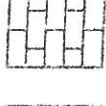
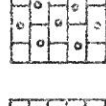
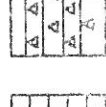



REMARKS

API: 15-101-22293

5-27-11 5700  
 5-28 @ 360'  
 5-29 @ 2072'  
 5-30 @ 3025'  
 5-31 @ 3626'  
 6-1 @ 4165'  
 6-2 @ 4485'  
 6-3 @ 4600'  
 6-4 @ 4683'

LEGEND

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

SHOED1-06

DRILLING TIME IN MINUTES  
 PER FOOT  
 Rate of Penetration Increases

5" 10" 15" 20" 25"

DEPTH  
 2000

SAMPLE DESCRIPTIONS

REMARKS

Sh. Rd. Silty, Sh. Hg. L. Silty

ANHYDRITE 2017+648

LITHOLOGY



2000

2100

Sh. Bl. silty, sh. lg. ls. silty.

ANHYDRITE 2077+618

Gyp. Elc. G. wt.

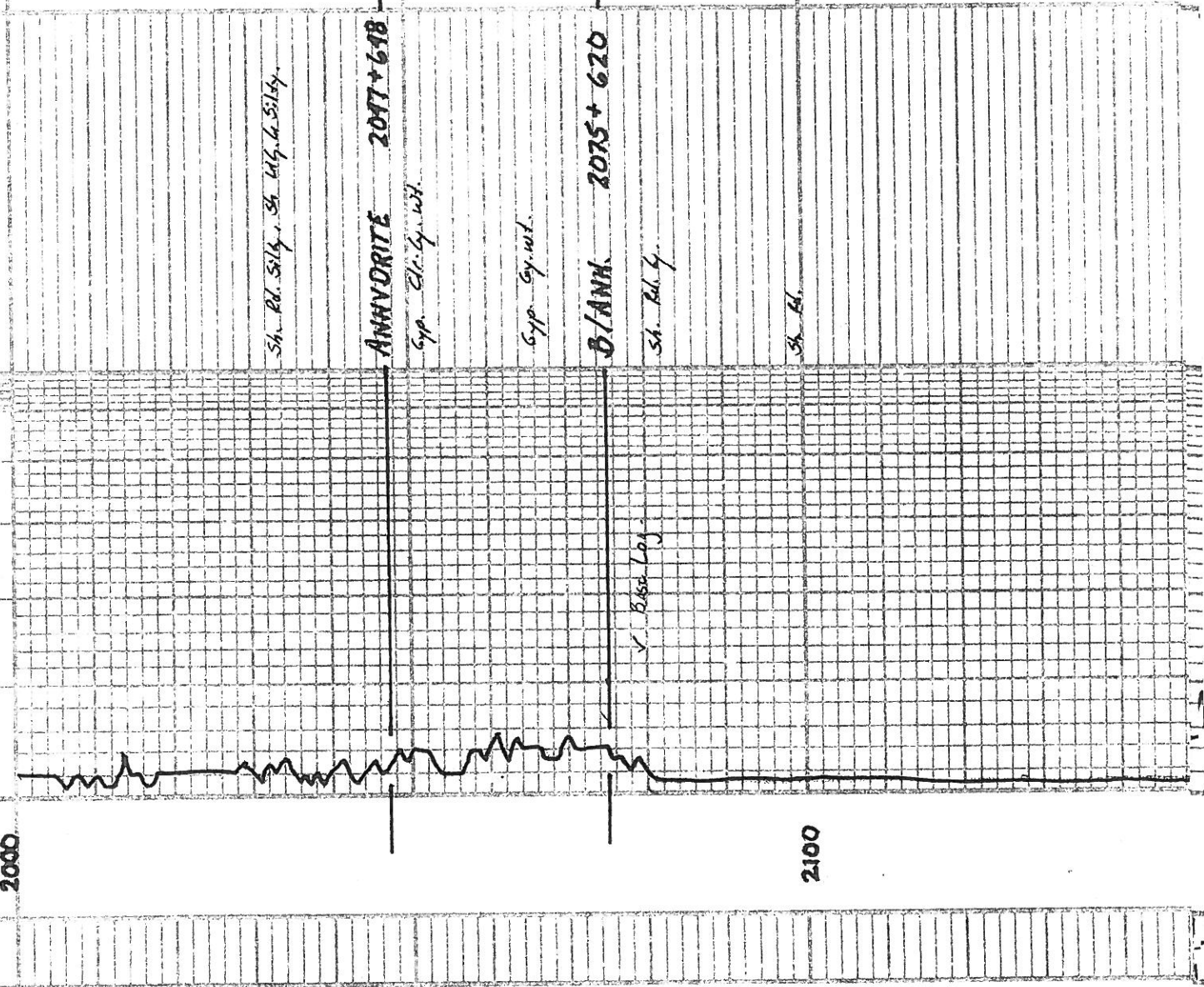
Gyp. G. wt.

B/ANA. 2075+620

Sh. Bl. G.

Sh. Bl.

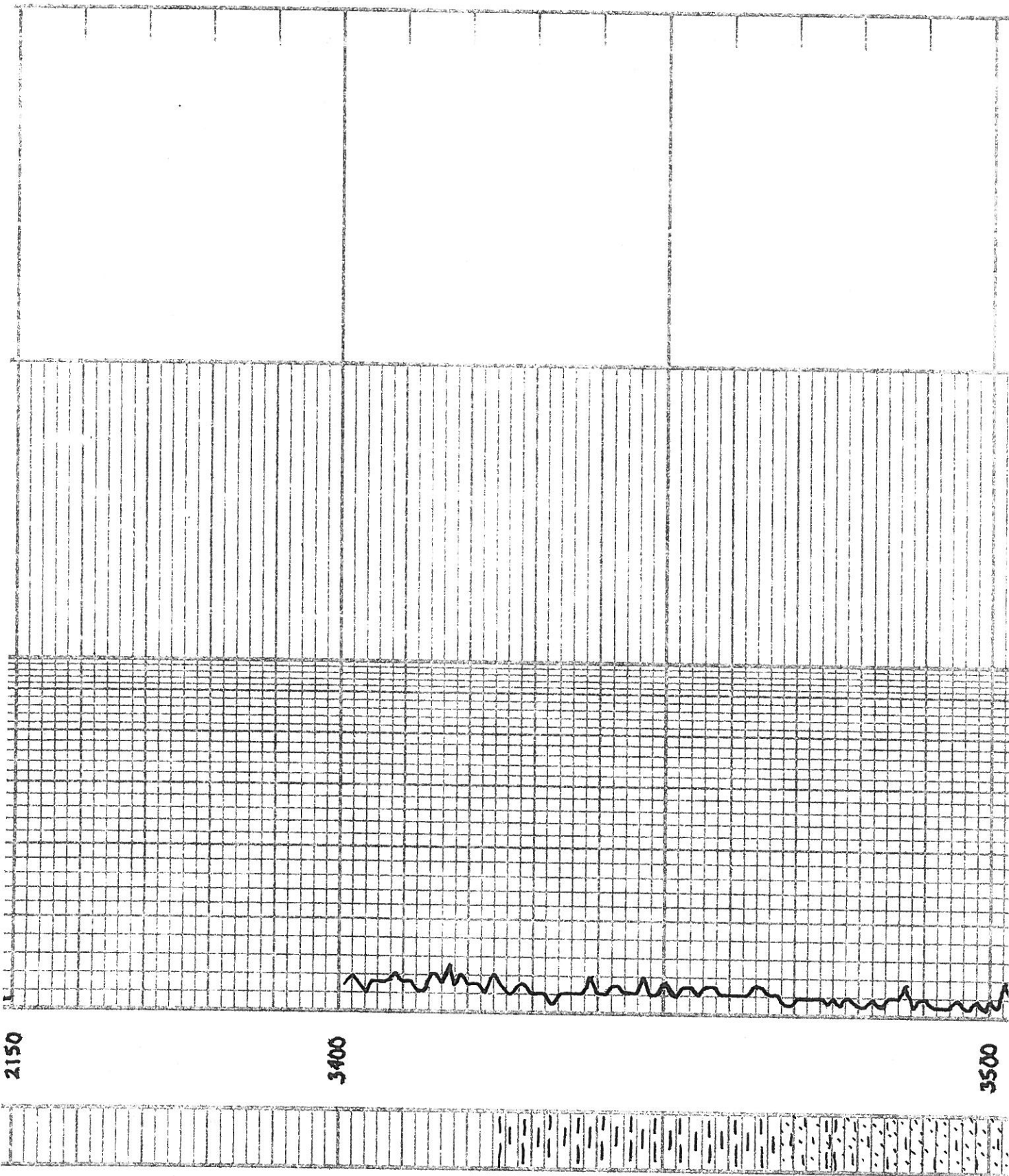
✓ Base Log



2150

3400

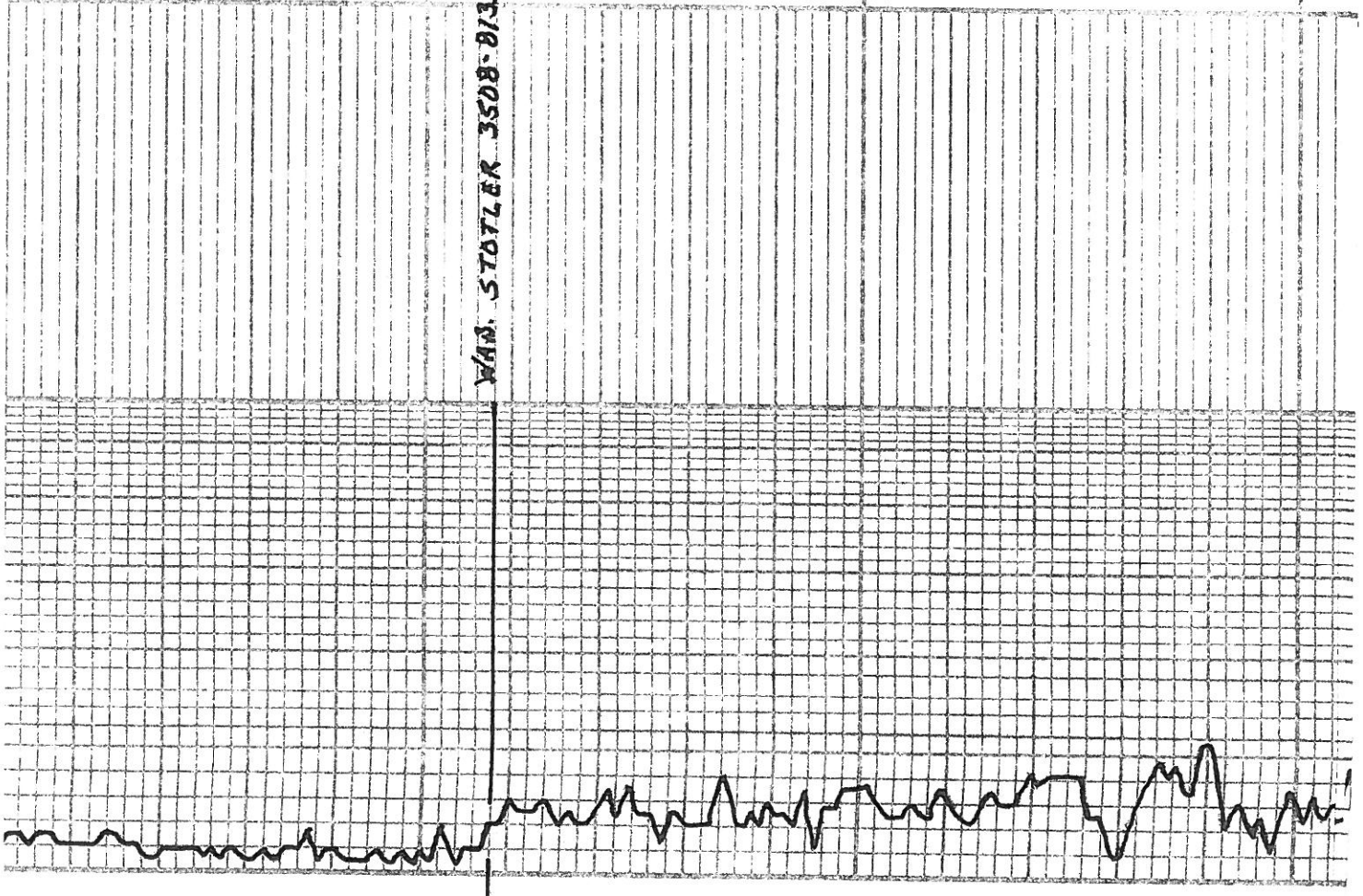
3500

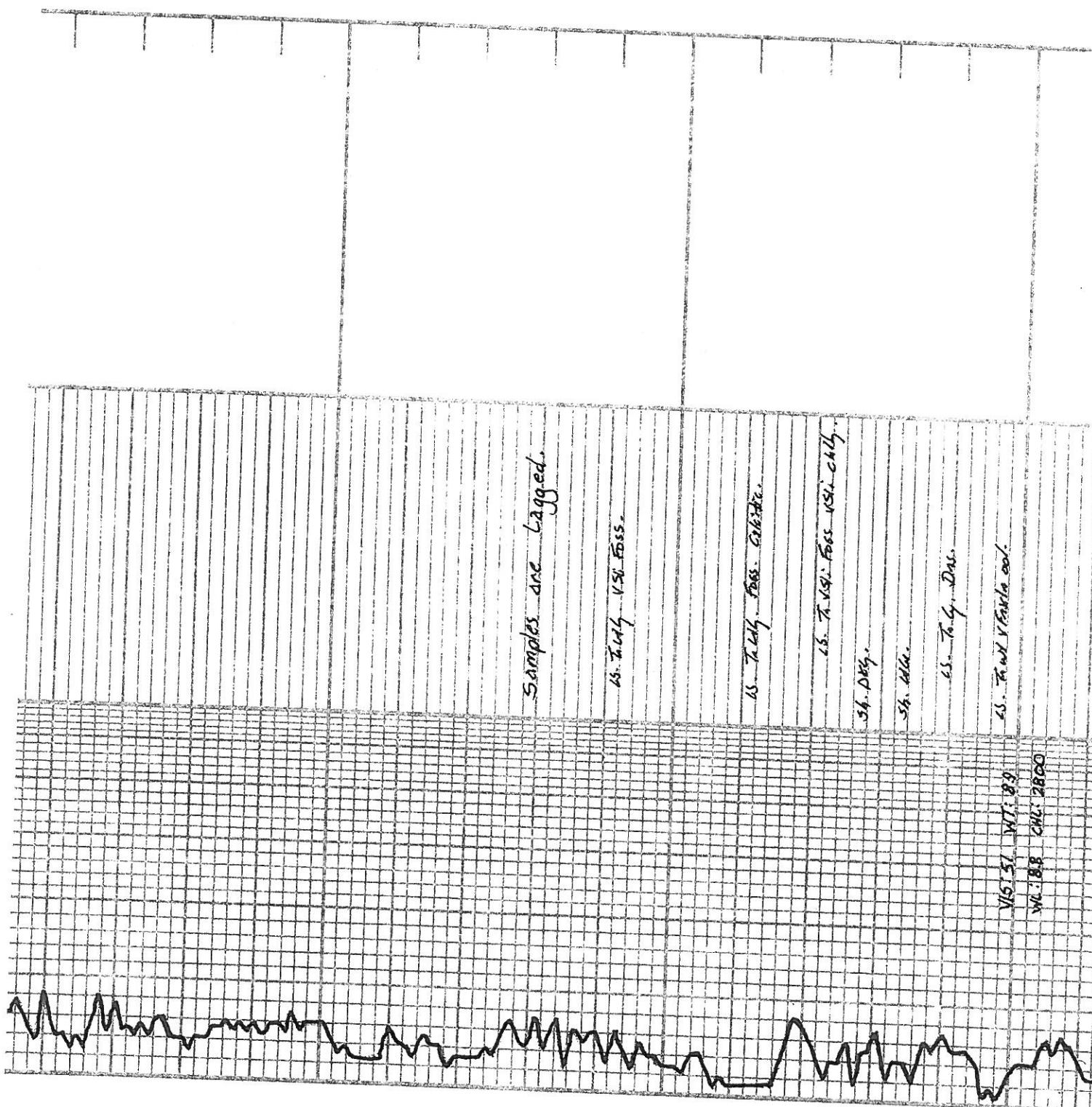


3500

WHA. STOTLER 3508-013

3600





Samples are lagged.

15. T. 151. 1.50 Foss.

15. T. 151. Foss. 1.50 chly.

15. T. 151. Foss. 1.50 chly.

34. 151.

34. 151.

15. T. 151. Foss.

15. T. 151. Foss. 1.50 chly.

15. T. 151. Foss. 1.50 chly.

15. T. 151. Foss. 1.50 chly.

3700



15. To. L. Foss. G. 1872.

15. To. V. Foss. K. 1871-1872.

Sh. D. 1871.

Sh. A. 1871.

15. To. G. Das.

15. To. V. P. 1871.

15. To. Foss. S. 1871.

15. G. Foss. S. 1871.

Sh. D. 1871.

Sh. K. 1871.

11. To. L. Foss. 1871.

11. To. L. Foss. 1871.

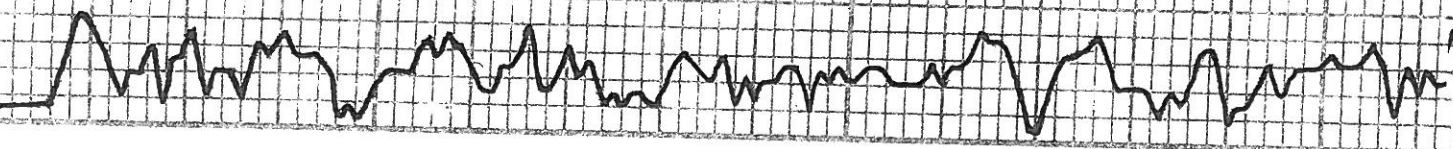
11. To. Foss. 1871.

A. 1871.

15. To. G. 1871.

Sh. D. 1871.

VIS. 51. WT. 89.  
WA. 1871. CH. 1871.

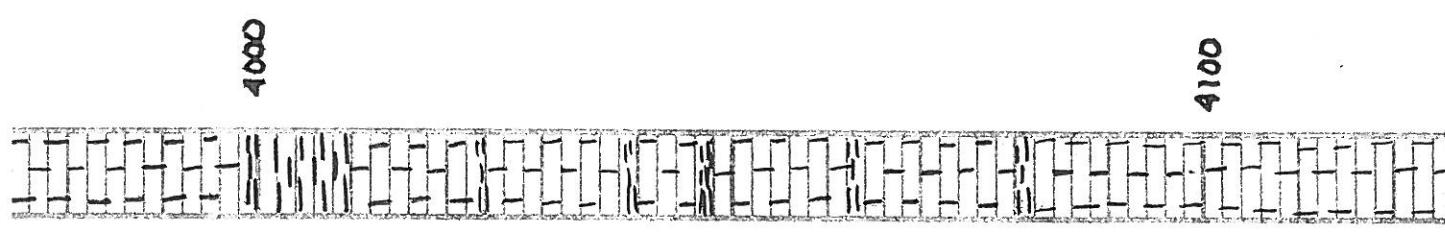
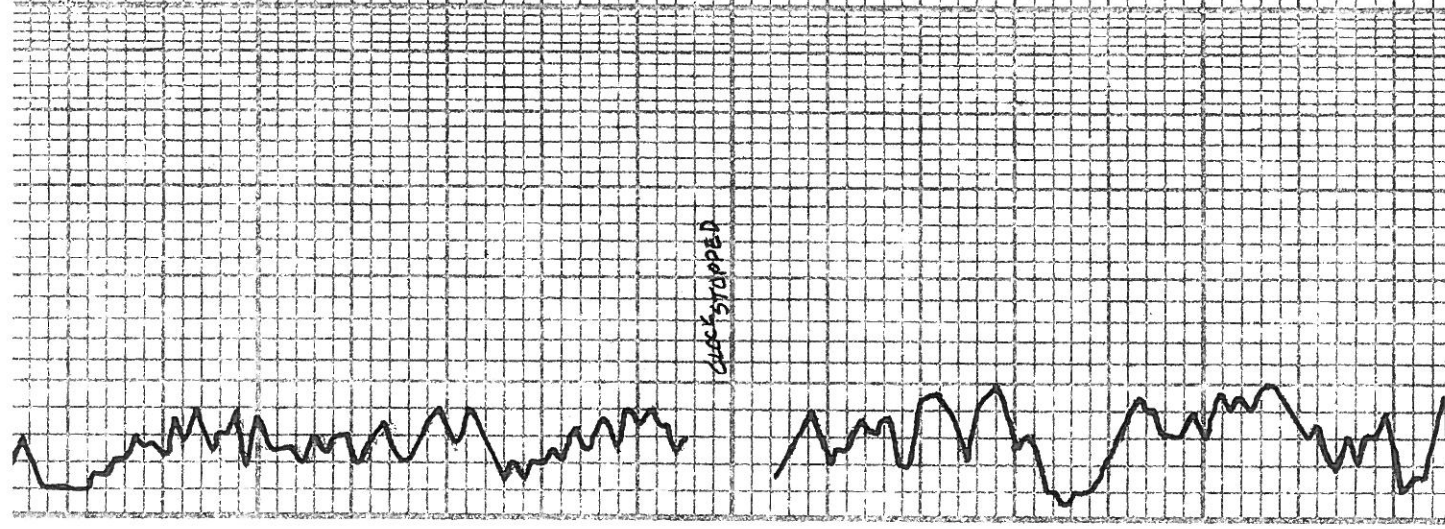


3800





A.W. To SR. Pass.  
 45. To W. Si. Pass. 001. VSI. A  
 45. 100 y. VSI. Pass.  
 56. 100 y.  
 Sh. 100 y.  
 45. To Si. Pass. Si. A  
 45. 100 y. 001. Pass. VSI. Chky  
 45. To A. Si. A  
 45. To W. Si. Pass. 001. Chky  
 Sh. 100 y.  
 45. 100 y. SR. Pass. Chky.  
 45. To W. A. 001. Si. 001.  
 45. 100 y. Chky.  
 Sh. 100 y. Dm.  
 45. To W. Si. Pass. 001. Si. Chky



MUNCIE CREEK 4135-1490

Sh. 100' Sand. (1950)  
Ls. To 100' Sh. Foss.

Sh. 50' G. L.

Ls. To 100' Sh. Foss. Sh. Chalk

Ls. To 100' Dev.

Sh. 100' Blue.

Ls. To 100' Sh. Foss.

Sh. 100' G.

Ls. To 100' Foss. S. D.

Ls. Foss.

Ls. To 100' Sh. Foss. V. S. A.

Sh. 100' G.

Ls. To 100' Sh. Foss. Sh. Chalk

Ls. To 100' Dev.

STARK 9236-1541

Sh. 100' Sand. (1950)  
Ls. To 100' Sh. Foss.

Sh. 100' G.

Ls. To 100' Sh. Foss. Sh. Chalk

Ls. To 100' Sh. Foss. Sh. Chalk

HUSHPUCKNEY 9270-1575

Sh. 100' Sand. (1950)  
Ls. To 100' Sh. Foss.

Ls. To 100' Sh. Foss. Sh. Chalk

Sh. 100' G.

VIS: 53 WY: 9.25

WL: 96 CUL: 3300

4200







CHEROKEE 4513-1818

(Samples Past Short Tap. Very Shaky.)

LS. T. M. S. F. S. S. Chilly

LS. T. M. S. F. S. S. Chilly

S. G. L. 481m. 4.

W. L. B. B. C. H. 3200

LS. T. M. S. F. S. S. Chilly

S. G. L. 481m. 4.

SAND 1574-1819

Mod. Lapped: Sh. G. S. S. F. S. S. Chilly

W. L. B. B. C. H. 3200

W. L. B. B. C. H. 3200

W. L. B. B. C. H. 3200

W. L. B. B. C. H. 3200

A. M. L. L. F. S. S. Chilly

A. T. F. S. S. Chilly

D. L. B. B. C. H. 3200

A. G. F. S. S. Chilly

D. L. B. B. C. H. 3200

D. L. B. B. C. H. 3200

W. L. B. B. C. H. 3200



4600

MISSISSIPPI 4617-1822

Short Tap  
① 4520

DST  
(17)

W. L. B. B. C. H. 3200

W. L. B. B. C. H. 3200

W. L. B. B. C. H. 3200

W. L. B. B. C. H. 3200

A. M. L. L. F. S. S. Chilly

A. T. F. S. S. Chilly

D. L. B. B. C. H. 3200

A. G. F. S. S. Chilly

D. L. B. B. C. H. 3200

D. L. B. B. C. H. 3200

W. L. B. B. C. H. 3200

(-1905)

DST (1) 4533-4600

Bottom bucket / MIN 20 sec. 66: None

3 1/2 MIN. 68: 1/2"

30.45-60.75

Per. 186' G.I.P.

187' CO 36.8 G.I.P.

1381' 4066 MW (216 29% AL. 46% IN. 52% M)

744' 545 MW (216 29% AL. 46% IN. 52% M)

TF: 2232'

CELL 15000

AV: .36

AV: 7.0

Temp.

FP: 227-749 #

761-960

SIP: 992-993 #

186' OF





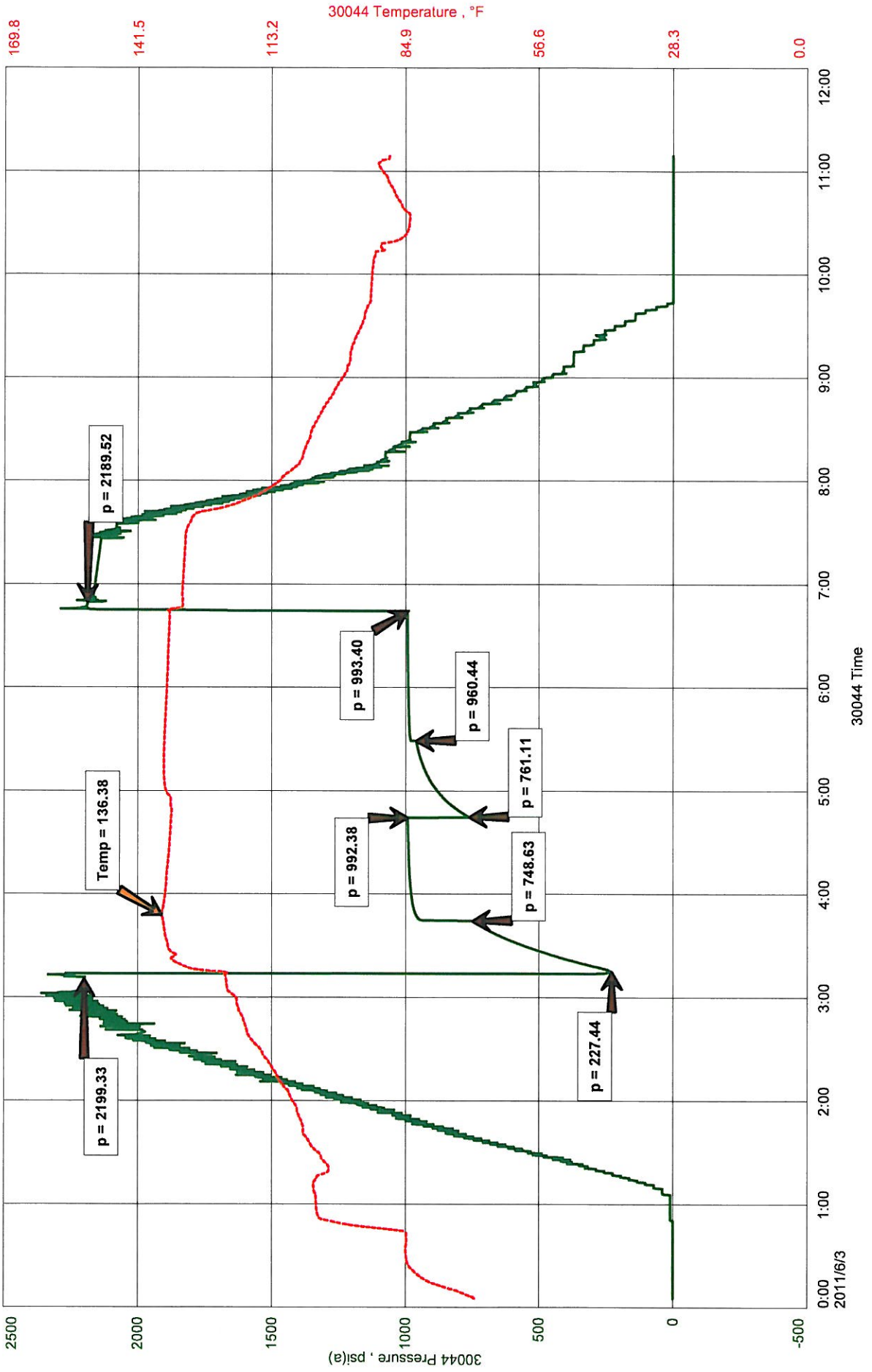




RAYMOND OIL COMPANY  
 DST#1 4533-4600 MORROW SAND  
 Start Test Date: 2011/06/02  
 Final Test Date: 2011/06/02

MICHAUD TRUST #3  
 Formation: DST#1 4533-4600 MORROW SAND  
 Pool: WILDCAT  
 Job Number: M167

# MICHAUD TRUST #3



# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M167
Well Name	MICHAUD TRUST #3	Representative	MIKE COCHRAN
Unique Well ID	DST#1 4533-4600 MORROW SAND	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.21-18S-27W LANE CO. KS.	Report Date	2011/06/02
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 4533-4600 MORROW SAND		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/06/02	Start Test Time	00:05:00
Final Test Date	2011/06/02	Final Test Time	11:10:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

### Test Results

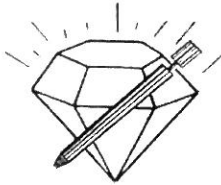
#### Remarks

RECOVERED:  
186' G.I.P.  
107' CO 100% OIL  
1381' GHOCMW 10% GAS, 29% OIL, 46% WTR, 15% MUD  
744 GMW 2% GAS, 95% WTR, 3% MUD W/ SCUM OF OIL  
2232 TOTAL FLUID

CHLOR: 15,000 PPM  
PH: 7.0  
RW: .36 @ 84 DEG

GRAVITY: 36.8@60 DEG

TOOL SAMPLE: 1% OIL, 97% WTR, 2% MUD



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: MCHDTRST3DST1

TIME ON: 0005  
TIME OFF: 1110

Company RAYMOND OIL COMPANY Lease & Well No. MICHAUD TRUST #3  
Contractor DUKE RIG 4 Charge to RAYMOND OIL COMPANY  
Elevation 2695 KB Formation MORROW SAND Effective Pay \_\_\_\_\_ Ft. Ticket No. M167  
Date 06/03/2011 Sec. 21 Twp. 18 S Range 27 W County LANE State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 4533 ft. to 4600 ft. Total Depth 4600 ft.  
Packer Depth 4528 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 4533 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4515 ft. Recorder Number 30044 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4597 ft. Recorder Number 13386 Cap. 3,875 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEM Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 3,200 P.P.M. Drill Pipe Length 4501 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 52 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG 4" BLOW RIGHT AWAY, INC. BOB 1 MIN 20 SEC (NO BB)  
2nd Open: WSB, BUILT TO BOB IN 3 1/2 MIN (WEAK 1/2 BB)

Recovered <u>186 ft.</u> of <u>GIP</u>	
Recovered <u>107 ft.</u> of <u>CO 100% OIL</u>	<u>GRAVITY: 36.8@60°</u>
Recovered <u>1381 ft.</u> of <u>GHOCMW 10% GAS, 29% OIL, 46% WTR, 15% MUD</u>	
Recovered <u>744 ft.</u> of <u>GMW 95% WTR, 2% GAS, 3% MUD W/ SCUM OF OIL</u>	
Recovered <u>2232 ft.</u> of <u>TOTAL FLUID</u>	<u>CHLOR:15,000 PPM</u>
Recovered _____ ft. of _____	<u>RW: .36 @ 84 °</u>
Remarks: _____	<u>PH: 7.0</u>
<u>TOOL SAMPLE: 1% OIL, 97% WTR, 2% MUD</u>	<u>Total</u>

Time Set Packer(s) 3:15 A.M. A.M. Time Started Off Bottom 6:45 A.M. A.M. Maximum Temperature 136  
P.M. P.M.

Initial Hydrostatic Pressure..... (A) 2199 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 227 P.S.I. to (C) 749 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 992 P.S.I.  
Final Flow Period..... Minutes 45 (E) 761 P.S.I. to (F) 960 P.S.I.  
Final Closed In Period..... Minutes 75 (G) 993 P.S.I.  
Final Hydrostatic Pressure..... (H) 2190 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.



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



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

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

September 14, 2011

Clarke Sandberg  
Raymond Oil Company, Inc.  
PO BOX 48788  
WICHITA, KS 67202-1822

Re: ACO1  
API 15-101-22293-00-00  
Michaud Trust 3  
SE/4 Sec.21-18S-27W  
Lane 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,  
Clarke Sandberg