

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Raymond Oil Company, Inc.
Well Name	FRUSHER OWWO 3
Doc ID	1570047

Tops

Name	Top	Datum
Anhy	1478	+804
Lans	3845	-1563
BKC	4189	-1907
Ft Scott	4382	-2100
Miss	4508	-2226
Viola	4708	-2426
Simpson	4904	-2622
Arbuckle	4930	-2648



# KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 \* WICHITA, KS

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **RAYMOND OIL COMPANY, INC.**

LEASE **\* 3 FRUSHER OWWO**

FIELD \_\_\_\_\_

LOCATION **1301' ENL & 411' FEL**

SEC **9** TNSP **21s** RPT **25w**

COUNTY **HODGEMAN** STATE **KANSAS**

CONTRACTOR **L.D. DRILLING, INC.**

SPUD **4-13-21** COMP **4-23-21**

RTD **5040** LTD **5040**

MUD UP **3497** TYPE MUD **CHEMICAL**

SAMPLES SAVED FROM \_\_\_\_\_ **3700** TO **5040**

DRILLING TIME KEPT FROM \_\_\_\_\_ **3700** TO **5040**

SAMPLES EXAMINED FROM \_\_\_\_\_ **3700** TO **5040**

GEOLOGICAL SUPERVISION FROM \_\_\_\_\_ **4200** TO **5040**

GEOLOGIST ON WELL **Kim B. SHOEMAKER**

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	1474 - 808	181 + 805 *
HEE BAKER	3794 - 1512	3795 - 1513
LANSING	3846 - 1564	3846 - 1564
B/KC	4190 - 1998	4188 - 1906
PAWNAE	4308 - 2026	4308 - 2026
FORT SCOTT	4382 - 2100	4379 - 2097
CHEED KEF	4406 - 2124	4408 - 2126
MISSISSIPPI	4508 - 2226	4510 - 2228
WIOA	4708 - 2426	4704 - 2422
SIMPSON	4904 - 2622	4900 - 2618
ARBUCKLE	4931 - 2649	4931 - 2649

ELEVATIONS

KB **2282**

DF \_\_\_\_\_

GI **2277**

Measurements Are All From **2282 KB**

CASING

SURFACE **8 5/8" @ 214'**

PRODUCTION **5 1/2" @**

ELECTRICAL SURVEYS  
Dual TMD, DEN-S-N-Micro

### REMARKS

4-13-21 SPUD  
4-14 @ 615' cement  
4-15 @ 1580'  
4-16 @ 2460'  
4-17 @ 3010'  
4-18 @ 3490'  
4-19 @ 4020'  
4-20 @ 4380'  
4-21 @ 4686'  
4-22 @ 4900'  
4-23 @ 5040'

API: 15-083-21532

\*: Data from original Norstar hole

Well was attempted washdown. Rig got cut of old hole somewhere under surface pipe. and drilled to 5040 for SWDW.

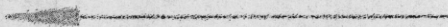
### LEGEND

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

DRILLING TIME IN MINUTES

LITHOLOGY

PER FOOT  
Rate of Penetration Increases



DEPTH 5" 10" 15" 20" 25"

SAMPLE DESCRIPTIONS

REMARKS

3700

Samples are Lagged

ls. T. Lth. Foss. Caloth. l.

ls. wt. Foss. Caloth. l.

ls. T. Sli. Δ

ls. T. wt. Foss. VSii Chly.

**HEEBNER 3795-1513**

Sh. Black Carb.

Sh. LW

ls. wt. T. Sli Foss - Foss Sli Δ

ls. T. wt. VSii Foss Sli Caloth. l.

L1 Blue

3800

Sh. Rd. L4G

LANSING 3816-1564

ls. w/ L4G. Sil. Foss. Sil. A

Sh. DK5.

ls. w/ Sil. Foss

Sh. L4 Rd

ls. Bl. V. Sil. Foss

3900

ls. w/ Sil. Foss. Calcitic

ls. w/ Sil. Foss. Sil. Chlly.

Sh. DK7

ls. Bl. V. Sil. Foss.

ls. w/ Tr. Sil. A

Sh. L4G

ls. w/ L4G. Foss. Calcitic

Sh. L4Gw

ls. w/ Sil. Foss. Sil. Chlly.

ls. L4G. V. Sil. Foss.

4000

A. w/

ls. w/ Sil. Foss. Chlly.

Sh. DK7. BLK.

ls. Bl. V. Sil. Foss.

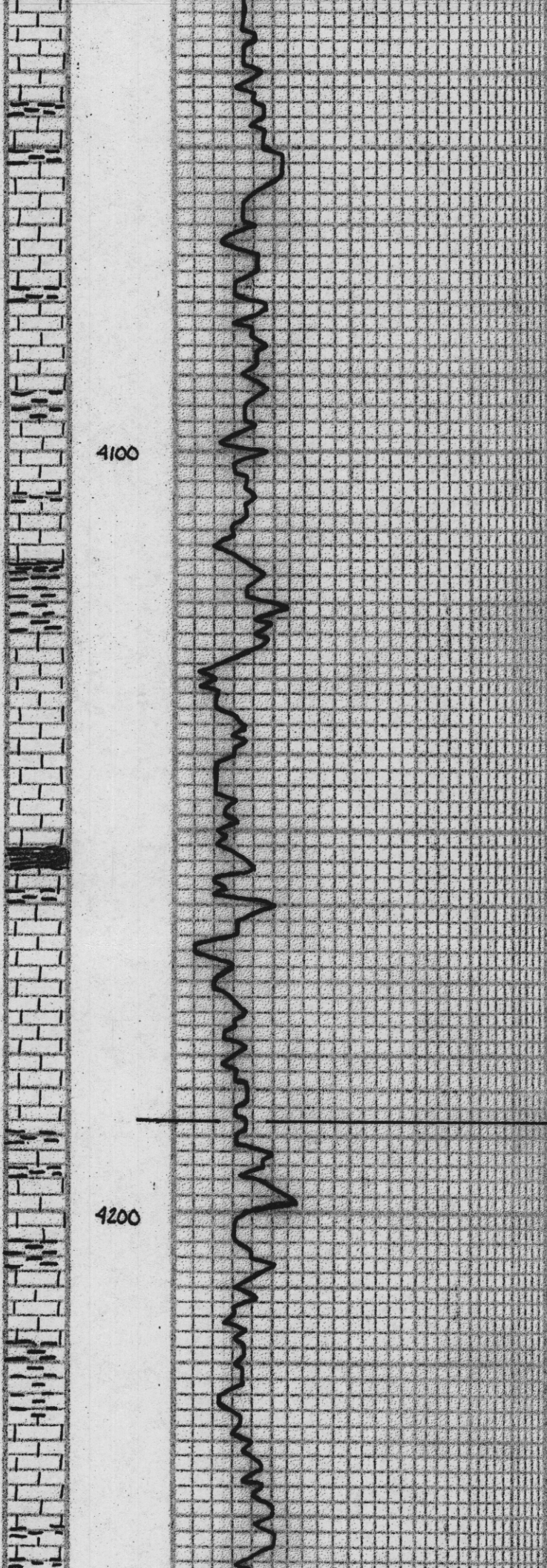
VIS: 42

WT: 9.1

Sh. L4G

WL: 11.2

CHL: 10.800



4100

4200

LS. wt. Ltg. Sh. Foss. Slid

Sh. DKg.

LS. Br. VSl. Foss.

Sh. Ltg.

LS. wt. Ltg. Sl. Foss. Sl. chll.

Sh. Ltg.

LS. <sup>A. Br.</sup> Foss. VSl. chll.

Sh. Ltg.

LS. Gy. VSl. Foss. VSl. A

LS. Foss. Sl. chll.

Sh. DKg.

Sh. Ltg. L.

LS. wt. Ltg. Sl.ool.ool.

LS. Gy. Slid

Sh. Bct. Carb.

LS. Gy. Foss. Calartic

LS. Foss. Sl. A. Calartic

**BIK**  
Sh. Gy.

**4188-1906**

LS. Br. VSl. Foss. Slid

Sh. Gy.

LS. Foss. Sl. Foss. Sl. A

Sh. Ltg. Ltg.

LS. Gy. Slid



LS. Br VSi; Foss. Si. A

Sh. Lly.

LS. wt. chly.

LS. T. wt. Si; Foss. Si. A VSi; Lactite

Sh. Gy. DKg.

LS. Gy. VSi; Foss

4300

Sub

**PAWNEE**

**4308-2036**

LS. wt. VSi; Foss. Si; chly.

LS. Gy. VSi; Foss

LS. Gy. Sh. A

Sh. Gy. Silly

Sh. Blk Carb.

**FORT SCOTT**

**4377-2097**

LS. Gy. VSi; Foss. Sh. A

LS. T. wt. Sh. Foss. Sh. A

4100

LS. Gy. Sh. Foss

**CHEROKEE**

**4408-2126**

Sh. Blk Carb.

LS. Blk Gy. Str.ool. Si. A

VIS: 50 WT: 9.2

WL: 10.1 CHL: 9600

LS. Lly. Si; Foss. VSi; chly.

Sh. DKg.

LS. T. Si; Foss. Si. A

R/Draw

4457-2170

7796 2110

Sh. Lt. Blue G.

Sh. Yellow, blue G.

Sh. Yellow Lt. Blue

Sh. Lt. G. W.

4500

Sol. Cl. G. Md. G. Sw. G. Arg. G. Pr. V. G.  
DK. Bl. Sph. Sh. T. F. No. Foss. No. 1001

LOG MISS.

MISSISSIPPI 4510-2228

Dol. wt. V. Foss. S. G.

Δ wt.

LS. T. S. Foss.

Dol. wt. V. Foss. T. G. G.

LS. Lt. G. S. Foss. Foss. S. Δ

Δ wt. Fresh Cut.

Δ wt. Lt. G.

LS. B. G. S. Foss. S. Δ

Δ wt. Tripolitic

4600

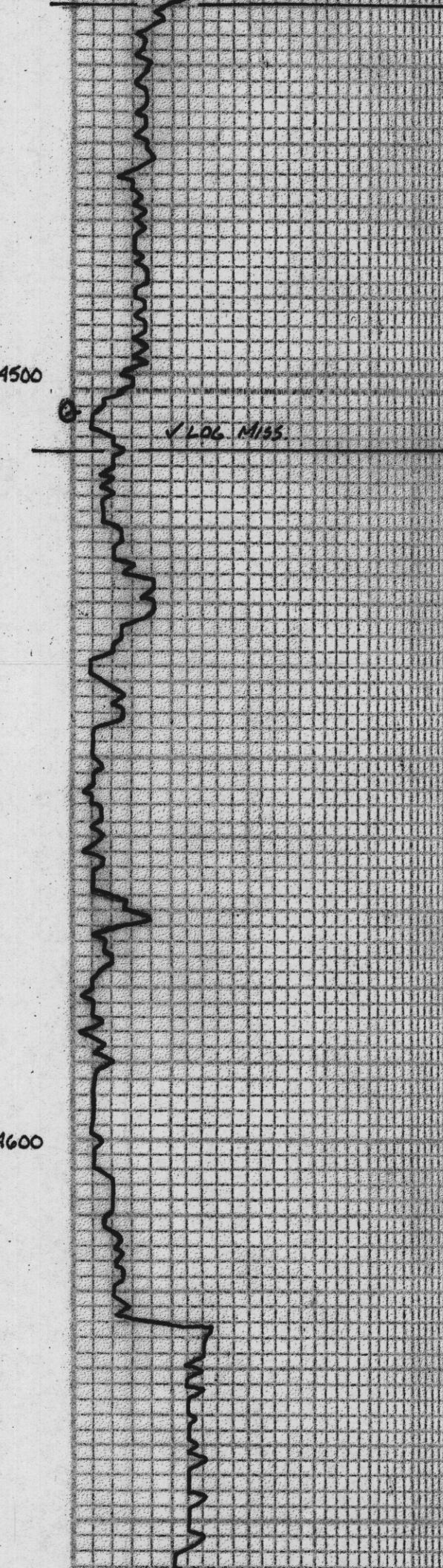
Δ wt.

Dol. T. wt. V. Foss. S. G.

Δ wt.

LS. T. Bl. S. Foss. S. Δ

LS. T. ool. S. Δ



Handwritten geological descriptions and notes on the right side of the log, including lithology and fossil content.

LS. To Lg. Sil. Foss.

LS. Lg. Sil. chly.

Δ wt. Be. Lg. Foss.

4700

**VIOLA 4701-2422**

✓ Viola VIS: 50  
LOG WT: 9.3  
WC: 9.2 CNL: 10.200

Dol. To Earth Sur.

Δ wt. Lg.

Dol. Lg. Earth

Dol. To Lg. Earth Sur.

Δ wt

✓ LOST CIRCLE 4757

Dol. To Lg. Earth Sur.

Dol. To Mid. Lg.

LS. To Lg. Sil. A

Dol. wt. Mid. Lg.

4800

LS. To VIS. Foss. Sil. A

Δ wt

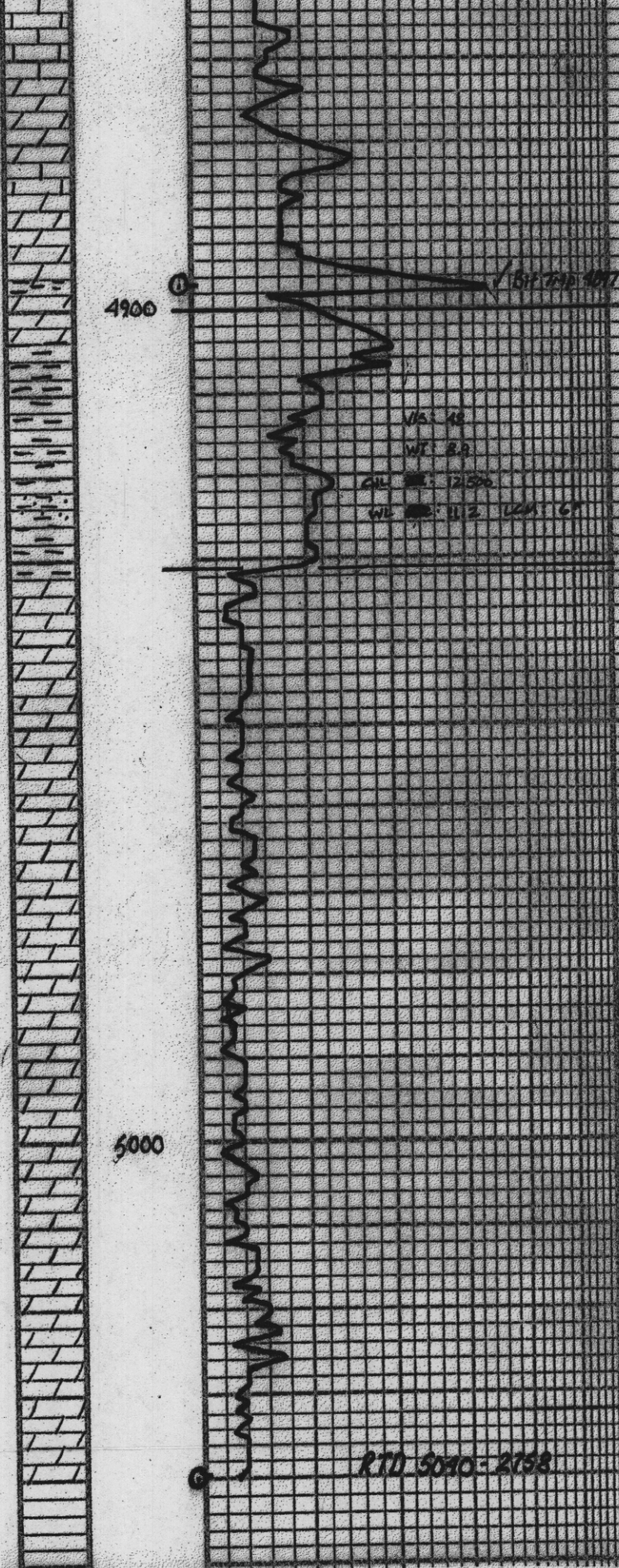
Dol. Lg. Mid. Lg.

Dol. wt. Earth Sur.

LS. To wt. Sil. Foss. Sil. A

Dol. wt. Lg. Earth Sur.

LS. To Lg. Sil. A



Dol. to Earth  
 Dol. to Eo. Mdxln  
 LS B. G. Sh. A  
 Dol. to Eo. Mdxln

4900

**SIMPSON 4900-2618**  
 Sh. H. Blue-G  
 Sh. Fy. G. Blue  
 Sh. Sh. 1.3, Mdxln Sub. Ang. Pyritic  
 Tramp Sh.

VA. 10  
 WT. 2.9  
 GIL. 12.500  
 WL. 11.2 L. 6

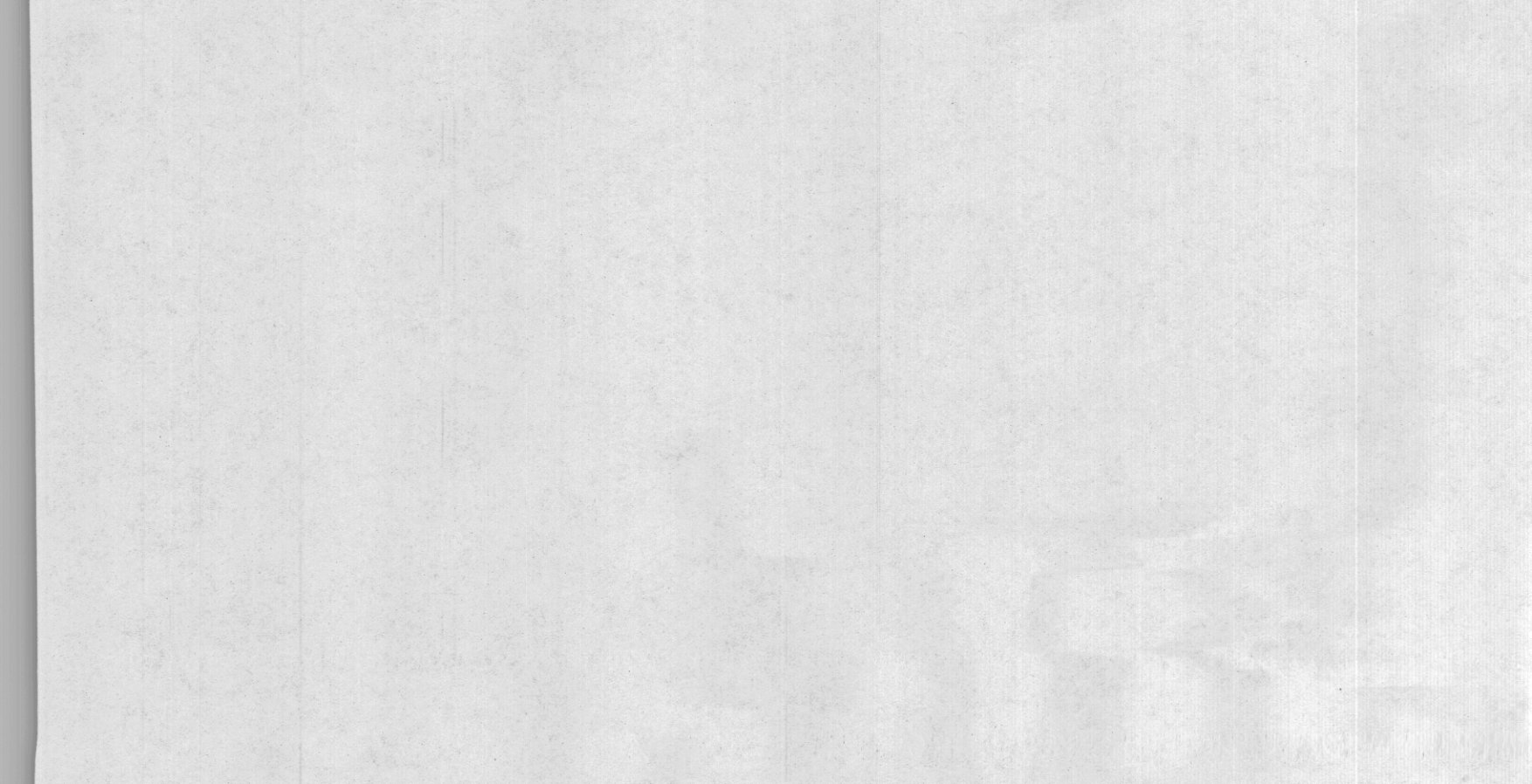
**ARBUCKLE 4931-2699**  
 Dol. wt Earth

Dol. to Eo. Mdxln  
 Dol. to Blue Mdxln  
 Dol. to Eo. Mdxln  
 Dol. to Pale Mdxln

5000

Dol. wt Earth  
 Dol. to Mdxln  
 Dol. wt Pale Mdxln

RTD 5010-2158





CHARGE TO: Raymond O. I  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET 33527

PAGE 1 OF 2

1. SERVICE LOCATION North H WELL PROJECT NO. 25 01800 LEASE Frisher COUNTY/PARISH Wabersman STATE KS CITY Jotumore DATE 23 APR 21 OWNER  
 2. TICKET TYPE  SERVICE  SALES CONTRACTOR RIG NAME/NO. SHIPPED  DELIVERED TO fraction ORDER NO.  
 3. WELL TYPE LD WELL CATEGORY LD JOB PURPOSE 2-stage long string WELL PERMIT NO.  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY. / U/M			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.		
575					MILEAGE				57.00	100.00
579					Rup Charge				1920.00	1920.00
403					Convent B sheet				275.00	275.00
407					Wabersman plug & insert shoe				325.00	325.00
409					DV tool				3375.00	3375.00
417					TURBOL-1/2R				900.00	900.00
					DV with down plug & bubble				200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UNDECIDED	DISAGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 7075.00  
 TAX 11919.21  
 TOTAL 18152.52

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 SWIFT OPERATOR [Signature] APPROVAL [Signature]  
 Thank You!



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 33527

CUSTOMER: Raymond D. I  
WELL: Fisher #3 04440

DATE: 23 APR 21 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M		
325		1				Standard count (For 4+2)	200	SK	13.50	2700.00
284		1				cells	1000	lb	4.00	4000.00
283		1				SALT	1000	lb	0.25	250.00
292		1				Wool 322	100	lb	8.50	850.00
276		1				Fluore	300	lb	3.00	900.00
329-8		1				60/40 polymer (80% gal)	375	sk	11.50	4312.50
290		1				D-air	2	gal	42.00	84.00
281		1				Wool 154	500	gal	1.50	750.00
221		1				KCL Dryoid	4	gal	25.00	100.00
581		1				SERVICE CHARGE				185.00
583		1				MILEAGE CHARGE				508.96
						TOTAL MILEAGE CHARGE				508.96
						LOADED MILES				20
						CUBIC FEET				535.75
						TON MILES				535.75
										1063.75
										508.96
										11919.21

CONTINUATION TOTAL 11,919.21

JOB LOG

SWIFT Services, Inc.

DATE 23 APR 21 PAGE NO. 1

CUSTOMER Raymond Oil WELL NO. #3 OWWD LEASE FRVSLOR JOB TYPE 2-stage long string TICKET NO. 33527

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200 sk 2A-2 w/ Hoole - bottom stage 375 sk 60/40 (80% gel) w/ flocc - top stage 5 1/2 x 15.5" TD 5040 rope 119, 175 5037' DV 1813' #76 basket #76 turbo lizers, 1, 3, 5, 130, 8, 10, 12, 14, 16, 18, 75 shoe jth 42' - baffle 4995'
	0530							on loc TRK 113
	0600							start 5 1/2 x 15.5" in hole
	0815							Drop ball - circulate
	0945	5	12				250	Pump 20 500 gal mud flush
		5	1020				250	Pump 20 bbl KCL flush 10 bbl
	0955	5	48				350	Mix 2A-2 cement 200 sk @ 15.3 ppg wash out Pump & Line
	1018	6					250	Displace 1st stage cement H <sub>2</sub> O 75 bbl mud 43 bbl / 118 total
		5 1/2	118				<del>1700</del>	
	1045						1700	Land 1st stage plug Release pressure to truck - dried up Drop bomb
	1056		2				1200	open DV tool
	1100							Circulate well - 1 hr send truck for new cement
	1100							wash truck
	1200		8					Plug RH 30 sk
		5	10				200	Pump 10 bbl KCL flush
	1215	6 1/4	115				300	Mix 60/40 202 (80%) 305 sk @ 12.3 ppg
	1235							Drop 2nd stage plug
	<del>1243</del>	6	43				400	Displace 2nd stage cement → cement to pit (355 to pit)
	1245	6	43				1700	Land plug - close DV tool Release pressure to truck - dried up wash truck Rack up Job complete
								Thanks Austin, Blaine, & Isaac