

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 141-203210000

ORIGINAL

County Osborne
150' East of the _____ E
- N $\frac{1}{2}$ - N $\frac{1}{2}$ - SE $\frac{1}{2}$ Sec. 3 Twp. 10s Rge. 12 X W

Operator: License # 3293
Name: Russell Oil, Inc.
Address P.O. Box 272
Russell, KS 67665
City/State/Zip _____

2310 Feet from \textcircled{S} W (circle one) Line of Section
1170 Feet from \textcircled{E} W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, \textcircled{SE} , NW or SW (circle one)

Purchaser: na
Operator Contact Person: LeRoy Holt II
Phone (913) 483-3954

Lease Name McNerney "B" Well # 2
Field Name Sigle North
Disposal proposed Lower Arbuckle
Producing Formation _____

Contractor: Name: Shields Oil Producers, Inc.
License: 5184
Wellsite Geologist: Francis Whisler

Elevation: Ground 1793' KB 1798'
Total Depth 4398 (log) PBDT _____
Amount of Surface Pipe Set and Cemented at 858 Feet
Multiple Stage Cementing Collar Used? _____ Yes X No
If yes, show depth set _____ Feet

Designate Type of Completion
 New Well _____ Re-Entry _____ Workover _____
_____ Oil SWD _____ S1OW _____ Temp. Abd.
_____ Gas _____ ENHR _____ SIGW _____
_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cnt.

If Workover/Re-Entry: old well info as follows:

RECEIVED
KANSAS CORPORATION COMMISSION

Operator: _____ Chloride content 65000 ppm Fluid volume 375 bbls

Well Name: _____ Dewatering method used evaporation

Comp. Date _____ Old Total Depth _____ Location of fluid disposal if hauled offsite: _____

_____ Deepening _____ Re-perf. _____ Conv. to _____
_____ Plug Back _____ PBDT _____
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Inj?) _____ Docket No. _____

07-26-96 08-04-96 08-16-96
Spud Date Date Reached TD Completion Date

Operator Name _____
Lease Name _____ License No. _____
_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature LeRoy Holt II

Title Vice-President Date 8-19-96

Subscribed and sworn to before me this 19th day of August, 19 96.

Notary Public Carolyn Gnad

Date Commission Expires _____

CAROLYN GNAD
NOTARY PUBLIC
STATE OF KANSAS
MY APPT EXPIRES 10-22-97

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC _____ SWD/Rep _____ NGPA
 KGS _____ Plug _____ Other (Specify) _____

Operator Name Russell Oil, Inc.

Lease Name McNerney "B"

Well # 2

Sec. 3 Twp. 10s Rge. 12

East

County Osborne

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	847	+ 951
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	2725	- 927
		Heebner	2963	-1165
		Toronto	2987	-1189
		Kansas City	3023	-1225
		Base KC	3338	-1540
		Cherokee	3489	-1691
		Conglomerate	3568	-1770
		Mississippi	3644	-1846
		Simpson	3988	-2190
		Arbuckle	4051	-2253
		LTD	4398	-2600

List All E.Logs Run: Radiation Guard

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 1/4"	8 5/8"	23#	858'	60/40 poz mix	325	2% gel 3% C.C.
Production	7 7/8"	5 1/2"	17#	4103'	"	225	"

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				

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
		4500 gallons 15% w/ 45	4103' to
		gallons soap additive	4398'

TUBING RECORD

Size 2 7/8" fiberglass @ 4076' Set At 4076-81' Packer At 4076-81' Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. SWD application pending 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 U. n Lease
 (If vented, submit A

METHOD OF COMPLETION
 Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval 4103-4398'

ALLIED CEMENTING CO., INC.

6739

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

ORIGINAL

SERVICE POINT: R

DATE <u>7-27-96</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>2:50pm</u>	JOB FINISH <u>3:15pm</u>
LEASE <u>McNemy</u>	WELL # <u>B-2</u>	LOCATION <u>Lurray SN 3E 1N 1/2W</u>			COUNTY <u>Osborne</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR Shields Dalg

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 861

CASING SIZE 8 5/8 DEPTH 859 23'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 10-15' 54 lbs

PERFS.

OWNER _____

CEMENT

AMOUNT ORDERED 325 6% 40 342

COMMON	<u>195 @</u>	<u>6.10</u>	<u>1189.50</u>
POZMIX	<u>130 @</u>	<u>3.15</u>	<u>409.50</u>
GEL	<u>6 @</u>	<u>9.50</u>	<u>57.00</u>
CHLORIDE	<u>10 @</u>	<u>28.00</u>	<u>280.00</u>
	@		
	@		
	@		
	@		
	@		
HANDLING	@	<u>105</u>	<u>341.50</u>
MILEAGE	<u>32</u>	<u>.04</u>	<u>416.00</u>
RECEIVED			
KANSAS CORPORATION COMMISSION			
TOTAL			<u>2693.50</u>

EQUIPMENT

PUMP TRUCK CEMENTER male

153 HELPER

BULK TRUCK DRIVER Dain

254 DRIVER

BULK TRUCK DRIVER

DRIVER

REMARKS:

Cement Cure

AUG 20 1996

8-20-96 SERVICE

CONSERVATION DIVISION
WICHITA, KS

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>44500</u>
EXTRA FOOTAGE	<u>559 @</u>	<u>41</u>	<u>22919</u>
MILEAGE	<u>32 @</u>	<u>285</u>	<u>9120</u>
PLUG	<u>8 5/8 Rubber @</u>		<u>7000</u>
	@		
	@		
TOTAL			<u>85539</u>

CHARGE TO: Russell Oil Co.

STREET PO Box 272

CITY Russell STATE Kan ZIP 67665

FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL			

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Burton Beery

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., INC. 6743

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

SERVICE POINT:

ORIGINAL

Furdell

DATE <i>8-4-96</i>	SEC <i>3</i>	TWP <i>10</i>	RANGE <i>12</i>	CALLED OUT <i>6:00pm</i>	ON LOCATION <i>9:30pm</i>	JOB START <i>5-5-96</i>	JOB FINISH <i>2:00 AM</i>
LEASE NUMBER		WELL # <i>B-2</i>	LOCATION <i>Lulay SN 3E 3W</i>		COUNTY <i>Osborne</i>	STATE <i>Ka</i>	

CONTRACTOR <i>Shields Drils</i>	OWNER
TYPE OF JOB <i>Sp. Prod. Csg</i>	CEMENT
HOLE SIZE <i>7 7/8</i>	TD <i>4400</i>
CASING SIZE <i>5 1/2</i>	DEPTH <i>4103</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG	
PERFS	

AMOUNT ORDERED	
<i>250 lbs 60/40 2% gel</i>	
<i>to # Flo Seal</i>	
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
	@
	@
	@
	@
HANDLING	@
MILEAGE	

EQUIPMENT

PUMP TRUCK # <i>153</i>	CEMENTER <i>Bill L</i>
	HELPER <i>DAVE</i>
BULK TRUCK #	DRIVER
BULK TRUCK # <i>282</i>	DRIVER <i>BREAR</i>

REMARKS:

pipe set c 4103
open basket shoe Drop Insert Ball
Cement w/ 225 lbs 60/40 2% gel
to Flo pump plug w/ no bbls water
Floor did hole
15 inch Rat hole 10 SKS mouse hole

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
PLUG	@
	@
	@

CHARGE TO *Russell Oil Co.*

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

Agrow - Furnished by customer

	@
	@
	@
	@
	@

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

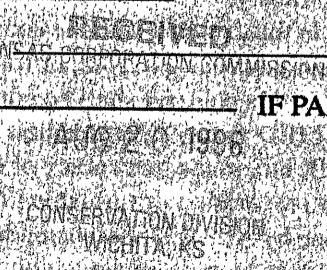
SIGNATURE *Burton Beery*

TAX _____

TOTAL CHARGE _____

DISCOUNT _____

IF PAID IN 30 DAYS



RILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Russell Oil
 WELL NAME: McNerney #B-2
 LOCATION : 3-10S-12W, Osborne Cty KS
 INTERVAL : 3003.00 To 3040.00 ft

DATE 07/31/96
 KB 1798.00 ft TICKET NO: 9427 DST #1
 GR 1787.00 ft FORMATION: LKC "A"
 TD 3040.00 ft TEST TYPE: CONV

15-141-20321-00-00

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.		24174	24174	10992		PF Fr. 0331 to 0401 hr
SI 60	Range(Psi)		3050.0	3050.0	4250.0	0.0	IS Fr. 0401 to 0501 hr
SF 30	Clock(hrs)		12	12	12		SF Fr. 0501 to 0531 hr
FS 60	Depth(ft)		3008.0	3008.0	3035.0	0.0	FS Fr. 0531 to 0631 hr

	Field	1	2	3	4		
A. Init Hydro		1447.0	1438.0	0.0	0.0	0.0	T STARTED 0229 hr
B. First Flow		15.0	24.0	0.0	0.0	0.0	T ON BOTM 0329 hr
B1. Final Flow		15.0	24.0	0.0	0.0	0.0	T OPEN 0331 hr
C. In Shut-in		104.0	110.0	0.0	0.0	0.0	T PULLED 0631 hr
D. Init Flow		15.0	28.0	0.0	0.0	0.0	T OUT 0747 hr
E. Final Flow		15.0	28.0	0.0	0.0	0.0	
F. Fl Shut-in		82.0	85.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro		1424.0	1426.0	0.0	0.0	0.0	Tool Wt. 1900.00 lbs
Inside/Outside	I	I	O				Wt Set On Packer 30000.00 lbs

RECOVERY

Tot Fluid 15.00 ft of 0.00 ft in DC and 0.00 ft in DP
 30.00 ft of Gas in pipe
 15.00 ft of Slightly oil cut mud - 5% oil, 95% mud

Initial Str Wt	42000.00 lbs
Unseated Str Wt	0.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	2994.00 ft

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 Weak .25" blow throughout

Final Flow -
 .5" blow to 1.5"

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	48.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	

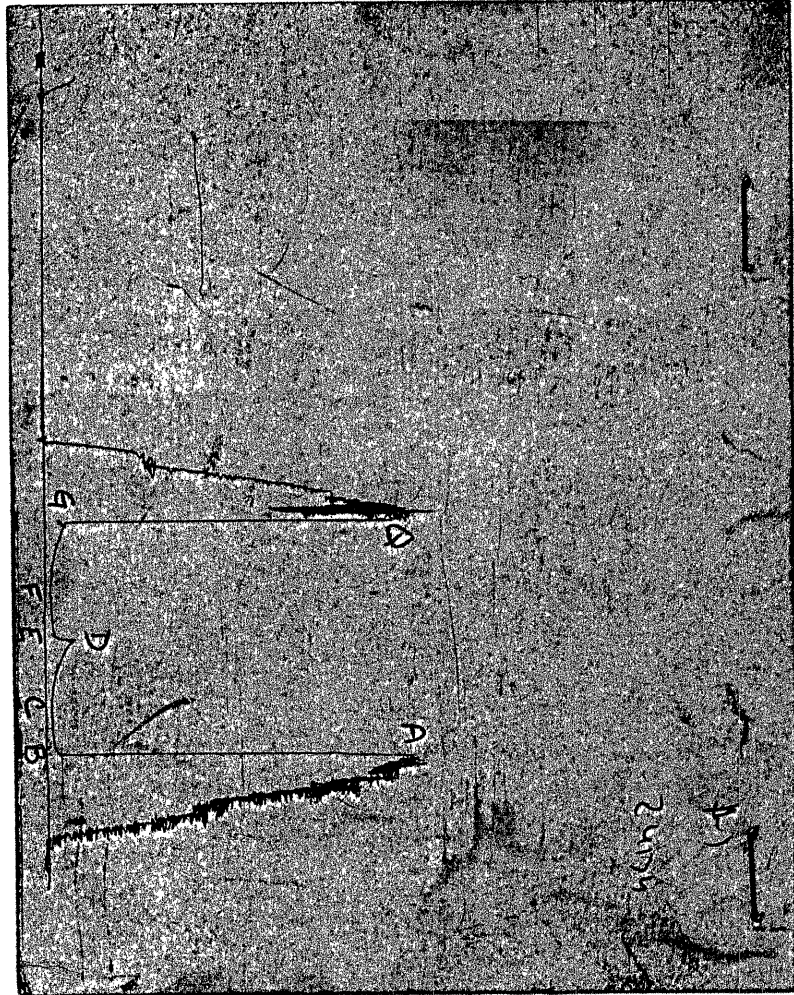
Amt. of fill	0.00 ft
Btm. H. Temp.	94.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Francis Whisler
Contr.	Shields
Rig #	
Unit #	
Pump T.	

SAMPLES:
 SENT TO:

Test Successful: Y

ORIGINAL

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

FRANCIS C. WHISLER

CERTIFIED PETROLEUM GEOLOGIST

AAPG CPG No. 1933

RUSSELL, KANSAS 67665



GEOLOGIC LOG

ORIGINAL

RUSSELL OIL, INC.
P O Box 272
Russell, Kansas

McNerney B-2
150' E of C N/2 N/2 SE
Sec. 3, T 10 S, R 12 W
Osborne County, Kansas

Casing Record:

8 5/8" surface casing set at
858' with 325 sx 60-40 Pos-mix

5 1/2" casing set at 4103' with
225 sx 60-40 Pos-mix

Contractor: Shields Drilling Co., Inc.

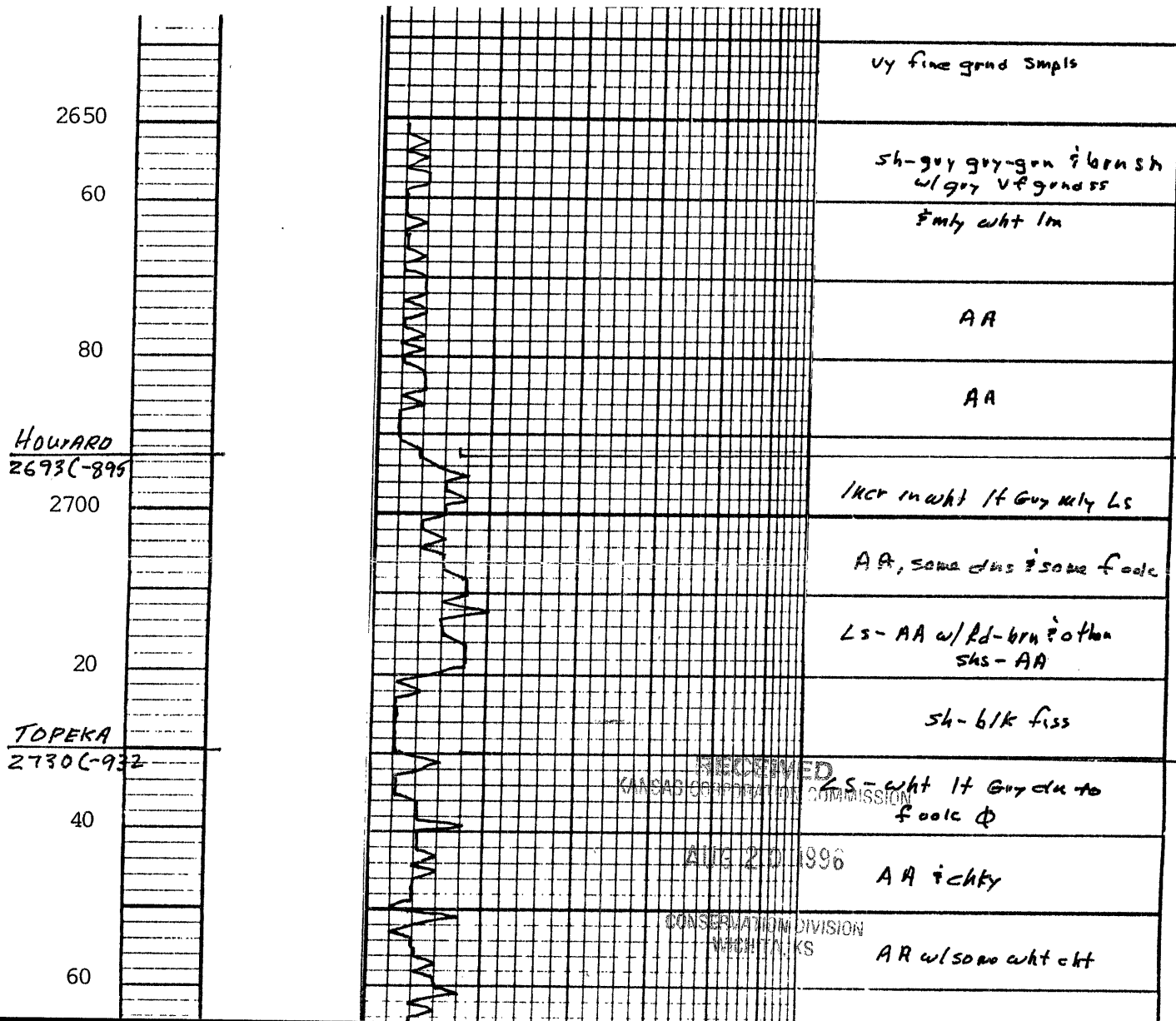
Commenced: July 26, 1996

Completed: Aug. 4. ;006

Elev. 1798' KB
1793' GL

15-141-20321-00-00

FORMATIONS:	Rotary Depths:	E. Log Depths:	Datums: E. Log:
Anhydrite	849-882	847-879	+ 951
Howard Lime	2693	2688	-890
Topeka Lime	2730	2725	- 927
Heebner Shale	2969	2963	-1165
Toronto Lime	2993	2987	-1189
Lansing-Kansas City	3028	3023	-1225
Base of Kansas City	3347	3338	-1540
Cherokee	3495	3489	-1691
Conglomerate	3573	3568	-1770
Mississippi	3640	3644	-1846
Kinderhook		3698	-1900
Viola	3738	3733	-1935
Simpson	3991	3988	-2190
Arbuckle	4053	4051	-2253
Total Depth	4400	4398	-2600



15-141-20321-00-00
AA w/ some wht chky

60

AA

LS-wht buff If Gvy dns
to granular-chky
some foole

80

AA
w/acr gvy & gvy mott'd

2800

LS-AA w/x/n D

buff gran chky

20

sh-blk Carb & fiss

Vis. 42
wt. 8.7
WL 12.4

LS- buff chky AA
wht dns to chky

40

LS-wht dns-AA
chky

LS-AA
some gvy chky

60

LS-wht buff dns-chky
some gvy mott'd

80

LS-AA

sh-blk Carb

LS-wht If gvy dns-chky

2900

LS-wht buff If Gvy
dns-chky

LS-AA

20

AA & more chky

AA

40

AA
w/less D

AA

60

AA

HEEBNER
2989(-1171)

sh-blk Carb

w/wht buff Gvy dns Ls

80

sh-Gvy & ben
w/LS-AA

TORONTO
2993(-1195)

LS-wht dns & some chky

3000

sh-sft Rd-brn
& gvy sh

20

AA

LANSING

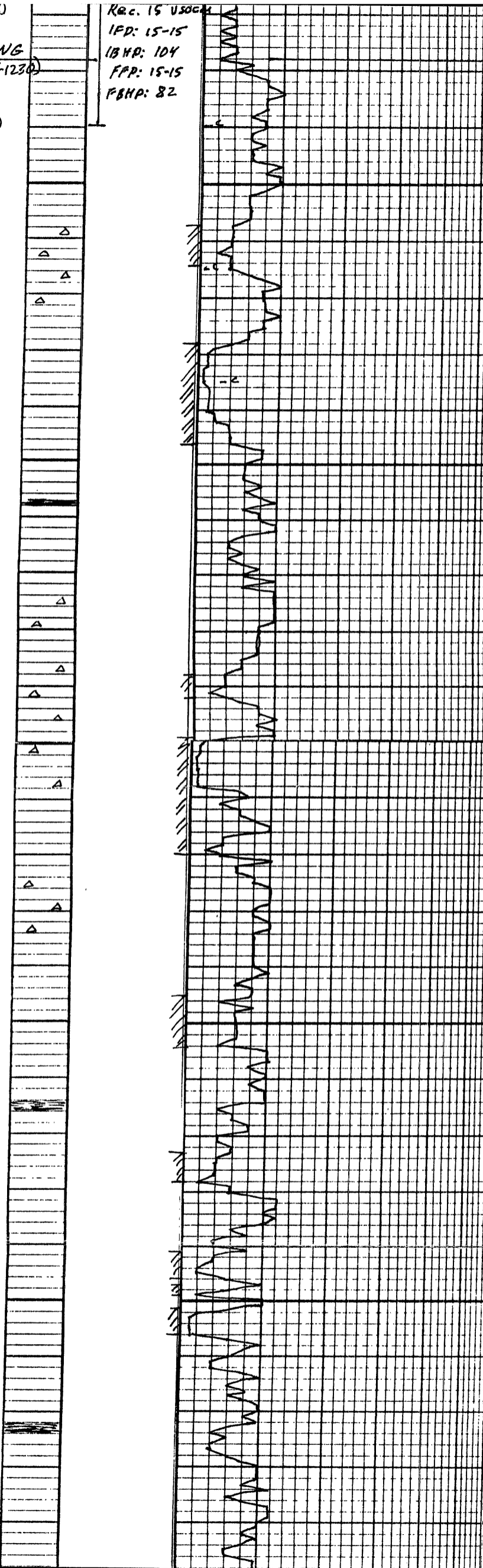
OST 1
3003-40
Rec. 15' U.S. 0002
IFD: 15-15
IBHP: 104

LANISING
3028 (-1230)

R.C. 15 USOC
IFD: 15-15
IBHP: 104
FPP: 15-15
FBHP: 82

15-141-20321-00-00
AA

20
40
60
80
3100
20
40
60
80
3200
20
40
60
80



LS - wht buff xln dms to sli
xln & uug @: Scattd ft. sta
Fr. odor some spec LS
NEO

sh - Gry blk & bra
LS - Gry buff dms
w/ sus-AA

LS - wht some buff xln foss
w/ good foss @; some chky
N.S.
Abnt wht - Gry vit chit

LS - buff, wht some brn
oolc-ool - Good @
N.S. i chky
AA & chky

LS - more ft Gry dms

sh - Gry blk ben
sh-AA w/ Gry dms LS
sh & LS - AA w/ chit

LS - wht ft Gry xln, sli dolo
w/ poro i wht blk chit
N.S.
some brn oolc LS

DOL - wht xln w/ brn - buff
oolc porous
some wht chit

DOL & LS - AA

DOL & LS - AA

LS - Gry dms w/ xln dolo
w/ Gry chit

sh - Gry

LS - wht ft Gry dms w/ some
oolc @: some wht xln dolo

LS - AA
sh - blk Gry

LS - buff xln chky
& some oolc @

wht buff dms
some xln dolo

LS - wht buff xln, dolomitic
& oolc porous

LS - AA

LS - AA

sh - blk Gry

LS - wht buff ft Gry dms -
chky & some oolc
some xln dolo

Vis. 4/
Wt. 9.1
Wt. 8

Vis. 5/
Wt. 9
Wt. 10.8

3300

20

40

Base/KC
3347
(-1549)

60

80

3400

20

40

60

80

CHEROKEE
3495(-1897)
3500

20

40

60

LS - wht buff if Gwy dms -
chky & some oolc
30mm x 1/2 dol

15-141-20321-00-00

LS - more wht if Gwy dms

sh - blk carb
& gwy sh
w/LS-AA

LS - wht if Gwy dms

AA

sh - Gwy & blk

LS - dms if Gwy

sh - Gwy Rd-brn

sh - AA

Vis 54
wt 9.4
WL 10.4

LS - Gwy buff dms

LS - AA & some pink buff
dms LS

LS - Gwy buff dms
w/ gwy brn sh

LS - AA & wht - buff
chky

sh - Gwy brn

LS - if Gwy buff dms

more wht - if Gwy

sh - blk carb

sh - AA
w/LS - wht if Gwy

LS - wht if Gwy dms
to chky

more blk Gwy & brn sh

Abut sh & LS - AA

AA

Abut Rd-brn sh

LS - wht if Gwy chky

incr blk carb sh

some of gwy ss
& sdy sh

Vis 51
wt 9.5
WL 13.2

sh - Gwy Rd-brn
w/LS

sh - Gwy blk brn w/
some vcolsh & ocher
sh

60

CONGL

3573(-1775)

80

3600

20

MISS

40

3640(-1842)

60

80

3700

20

VIOLA

40

3738(-1940)

60

80

3800

20

sh-Gry blk brn w/
some v.col sh & ocher
sh

15-141-20321-00-00

LS-whit lt Gry dns
to chky

sh-Abnt Gry & Rd-brn
& some v.col sh
& v.col chit

sh-Abnt-AA
w/ocher & v.col sh

sh-AA
w/some v.col chit

sh-Abnt v.col sh
& v.col chit

sh-AA

sh-Abnt Rd-brn

sh-AA
w/Gry Grn sh

AA

cht-Abnt whit vit
bley milk white
& white weathered
cht

cht-AA

cht-Abnt-AA

AA

cht-AA

cht-AA

cht-AA
w/ool chit & free oolites

cht-AA & partly ool
w/v.col. sus

w/lucr Gry sh

DDL-buff f-max/ln por. w/ N.S.
Drtly Gry f-max/ln dns to por
Gry stipled chit blyk vit

Vis 51
Wt 9.7
WL 16.8

DDL-buff & drty gen f-max/ln
por w/ gry stipled chit-AA

DDL & chit-AA

DDL & chit-AA
still whit-Gry blyk dot

DDL & chit-AA

DDL & chit-AA
w/some gry dns LS

LS-Gry dns w/ dolo-Gry xln
& drty appearance
& gry chit

Vis 50
Wt 9.4
WL 13.2

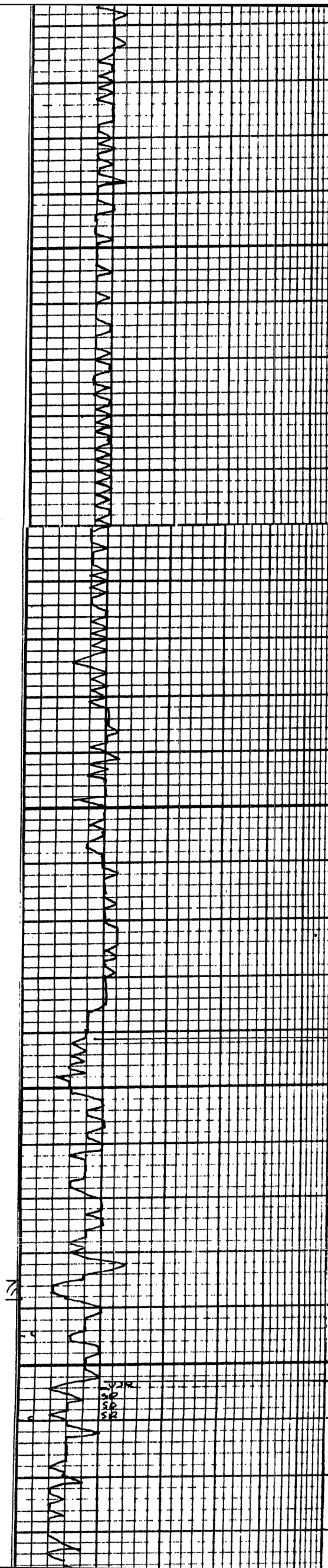
LS-AA
w/Abnt chit

WT 11.7
WL 13.2

Vis 50
wt 9.4
WL 11.6

Vis. 40
wt. 9.5
WL. 14.2

20
40
60
80
3900
20
40
60
80
4000
20
40
60
80



gry cht
15-141-20321-00-00

LS-AA
w/Abnt cht

AA

AA w/sh-gry brn

LS f sh-AA

AA
w/yel ochar sh

AA

AA

LS-gry dus w/ lt Gry
x/n dol
some shs

LS-wbt lt Gry x/n dol LS
chky
w/ some x/n dol

LS-wbt buff lt Gry
dnt to chky

LS-AA

AA

AA

LS-AA w/some yel ochar
sh

LS-AA w/Gry brn f ochar
sh

LS f sh-AA
Tv. cht

LS-AA f few pcs x/n dol

sh-Gry brn f gry wnt
w/LS-AA f few pcs
f grad ss-clear to brn
sub rdd-subang

sh-AA
w/some LS

sh-AA abnt
w/Trace f grndss

Incr in LS
w/sh-AA
Trace f grndss-clear
sub rdd-subang

ss-sm amt: f-some in grnd
clr to brown cast-clusters
N.S.

sh-Abnt Gry, gry, brn
w/some gry sdy sh

DOL-wht buff blk dus to
f-max in pore
some brn x/n dol: N.S.

DOL-AA w/some wht vitcht

DOL-AA

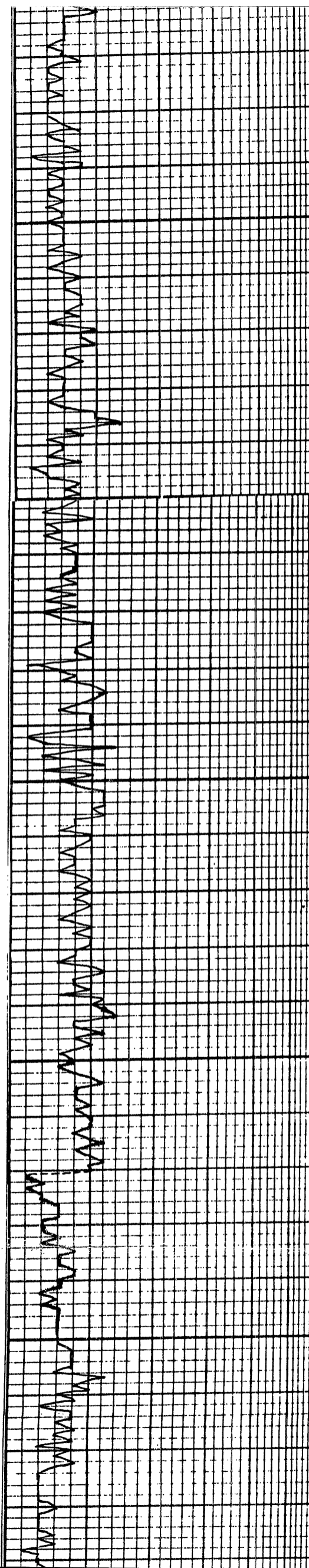
DOL-AA less

SIMPSON
3991(-2193)

ARBUCKLE
4053(-2255)

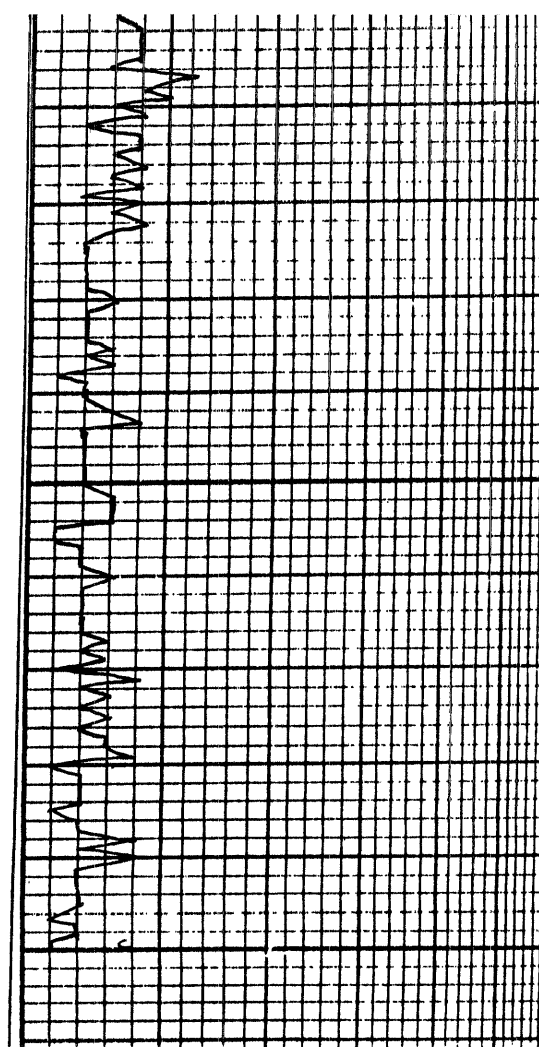
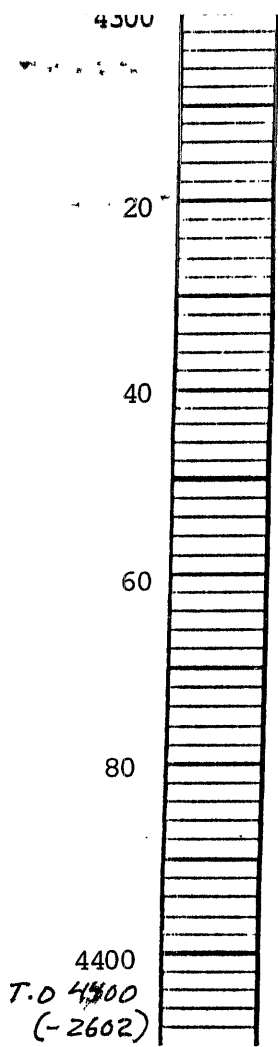
SR
SR
SR

00
- 80
4100
20
40
60
80
4200
20
40
60
80
4300
20
40



DOL-AA w/some wht vitcht
 DOL-AA
 15-141-20321-00-00
 DOL-AA lessO
 more wntcht
 DOL-AA More brn xln
 & some oolc
 DOL-wht buff brn dms
 to v poro
 wht buff pink dms
 to f-xln
 AA f-chty
 wht buff pink
 rather dms
 DOL-AA f-mxln
 DOL-AA f-mxln
 some oolc
 DOL-AA
 wht buff pink
 more dms f-mxln
 AA
 wht buff brn f-mxln
 dms to por
 AA More brn dolo
 DOL-AA
 buff brn dms, f-mxln &
 some oolc
 DOL-AA
 wht buff brn f-xln
 AA
 AA-f-mxln
 AA
 DOL wht buff brn some pk
 f-xln
 DOL-wht buff f-xln dms
 w/wht cht
 AA
 wht buff brn dms to
 xln poro
 AA
 AA
 more xln poro

Vis. 44
 Wt. 9.5
 WL. 12.8
 Vis. 45
 Wt. 9.6
 WL. 14.8
 New
 Bit
 Vis. 4
 Wt. 9.
 WL. 16.



AA
wht buff brn clns to x/n poro
AA
AA w/ve x/n poro
AA
AA w/ pk dolo more poro
AA
dns to x/n poro
AA
wht buff pk clns x/n to m x/n poro

WL. 16.9

15-141-20321-00-00