



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: _____



1071158

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	CANTON C 1
Doc ID	1071158

Tops

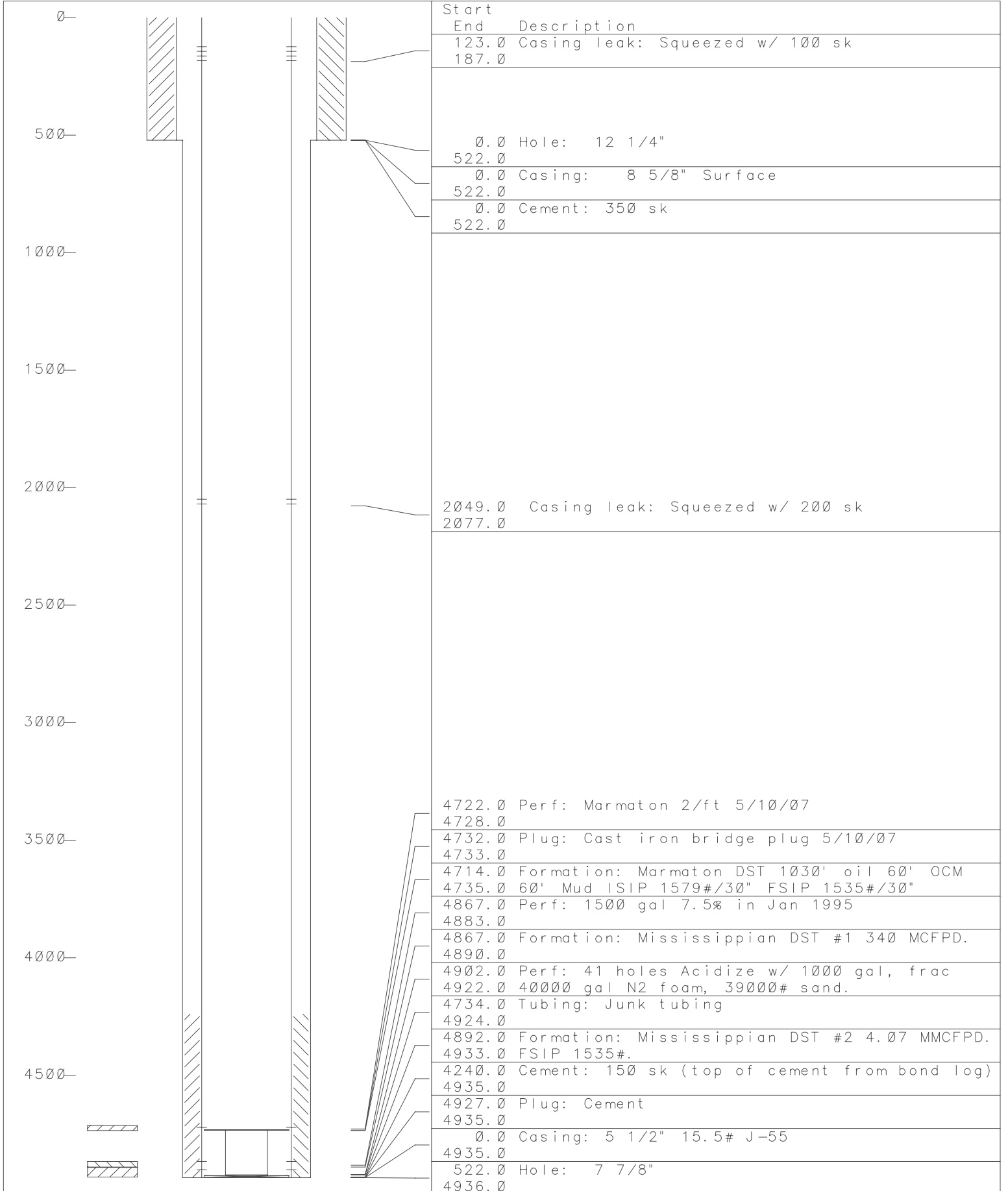
Name	Top	Datum
Heebner	4059	-2023
Brown LS	4224	-2188
Lansing	4242	-2206
Hertha	4563	-2527
BKC	4601	-2565
Marmaton	4710	-2674
Cher SH	4751	-2715
Miss	4855	-2819

Lease: Canton C
Well #: 1

Permit: 1509720038 API
Location: 20-30S-17W C NW
County: Kiowa
State: Kansas
Field: Glick
Operator: Herman Loeb

Diagram: 03/07/2007
Elev KB: 2036
TD: 4936

Comp Date: 04/08/1968
Elev GL: 0
PBD: 4927



COMPANY: HERMAN L. LOEB
WELL: CANTON "C" 120 SEC.20-30-17 KIOWA CO.,KS
DATE: 5/16/2007
WATER LEVEL @: NONE OIL/COND. LEVEL @ 1322'
TEMP @: 117
TBG PRESSURE @: 471.6

DEPTH	PRESSURE	GRADIENT
0	471.6	
1000	486.5	0.015
2000	715.9	0.229
3000	1054.3	0.338
4000	1396.4	0.342
4500	1569.3	0.346
4600	1603.9	0.346
4700	1638.6	0.347
4725	1647.3	0.348

LANE WELLS

A DIVISION OF DRESSER INDUSTRIES, INC.

*Gamma Ray Neutron
Scanned Log*

FILE NO. 103

COMPANY PETROLEUM, INCORPORATED

WELL CANTON C-1 Property of Kansas Geological Society

FIELD KANE SOUTH 540 Petroleum Bldg., Wichita, Kansas

COUNTY KIOWA STATE KANSAS

LOCATION: C NW Other Services

SEC 20 TWP 30S RGE 17W

Permanent Datum GROUND LEVEL Elev. 2029 K8 2036

Log Measured from KELLY BUSHING 7 Ft. Above Permanent Datum DF 2034

Drilling Measured from KELLY BUSHING G1 2029

Date 10-22-67 55989

Run No. ONE 611B

Depth—Driller 4933

Depth—Logger 4935

Bottom Logged Interval 4934

Top Logged Interval SURF

Casing—Driller 8 5/8 @ 522

Casing—Logger RECORDED

Bit Size 7 7/8" OCT 30 1967

Type Fluid in Hole STARCH BASE

Density and Viscosity SALT GEL PETROLEUM, INC.

pH and Fluid Loss 10.1 44 Geological Dept.

Source of Sample 6.4 10.4 cc cc

Rm @ Meas. Temp. 1.12 @ 72°F @ °F

Rm @ Meas. Temp. 1.10 @ 72°F @ °F

Rmc @ Meas. Temp. 1.15 @ 72°F @ °F

Source of Rmf and Rmc CAIC CAIC @ °F

Rm @ BHT .08 @ 110°F @ °F

Time Since Circ. 2 HRS.

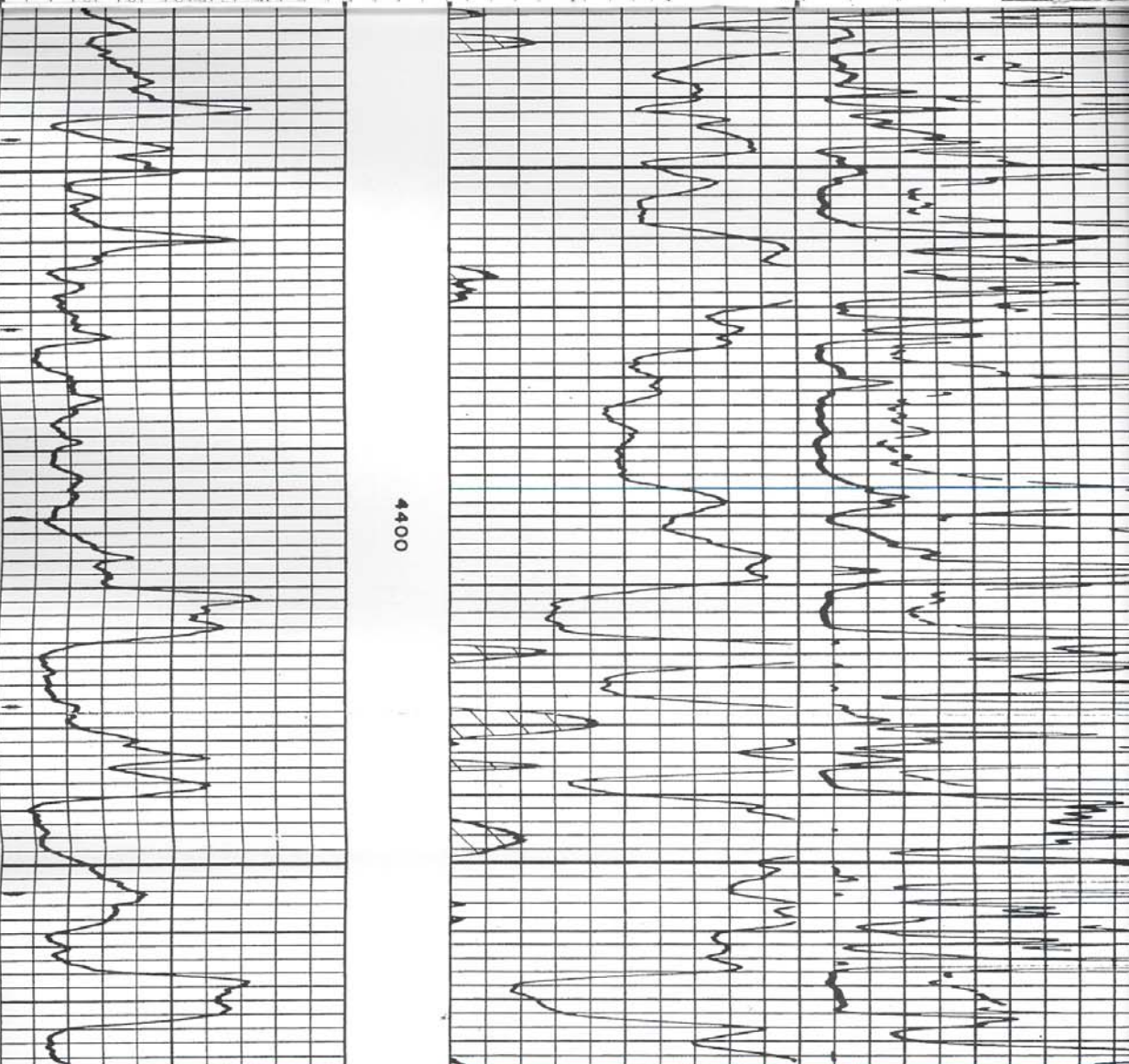
Max. Rec. Temp. Deg. F. 110 °F

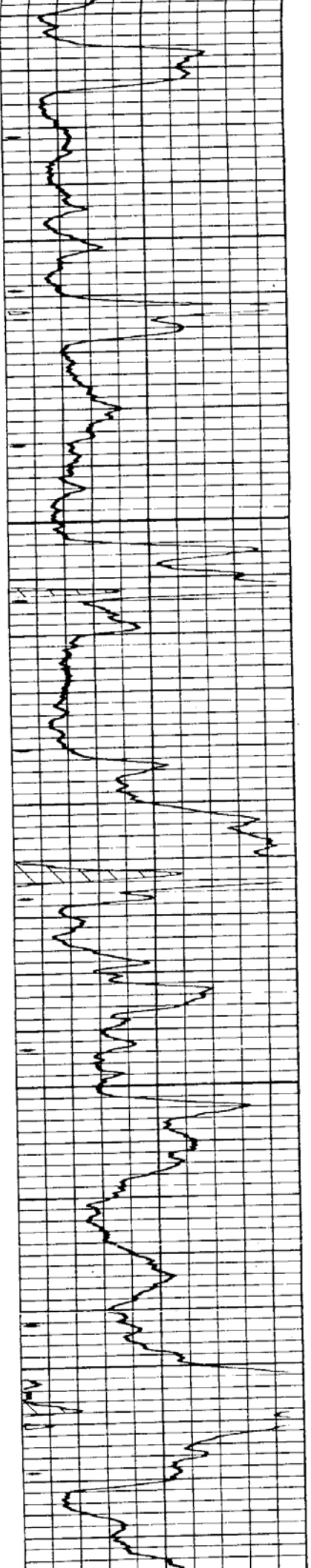
Equip. No. and Location L1-1001 GB °F

Recorded By WEBER

Witnessed By MR. DOMBAUGH

KANSAS LIBRARY

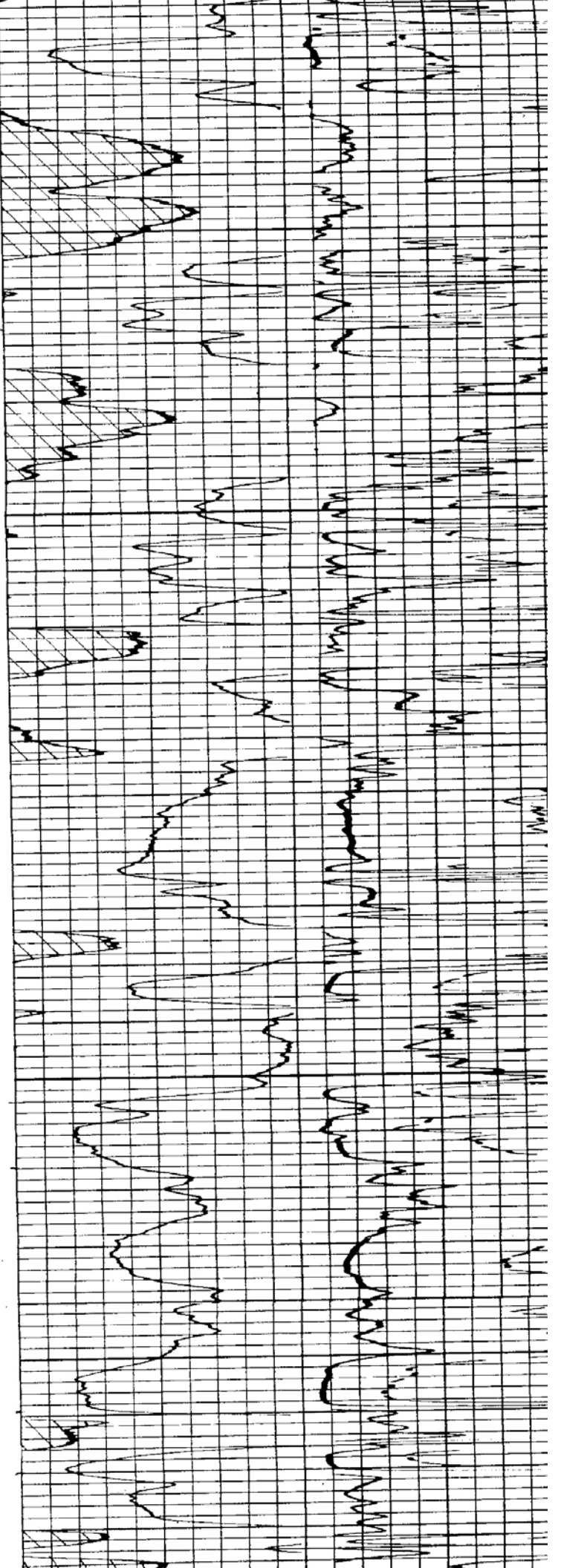


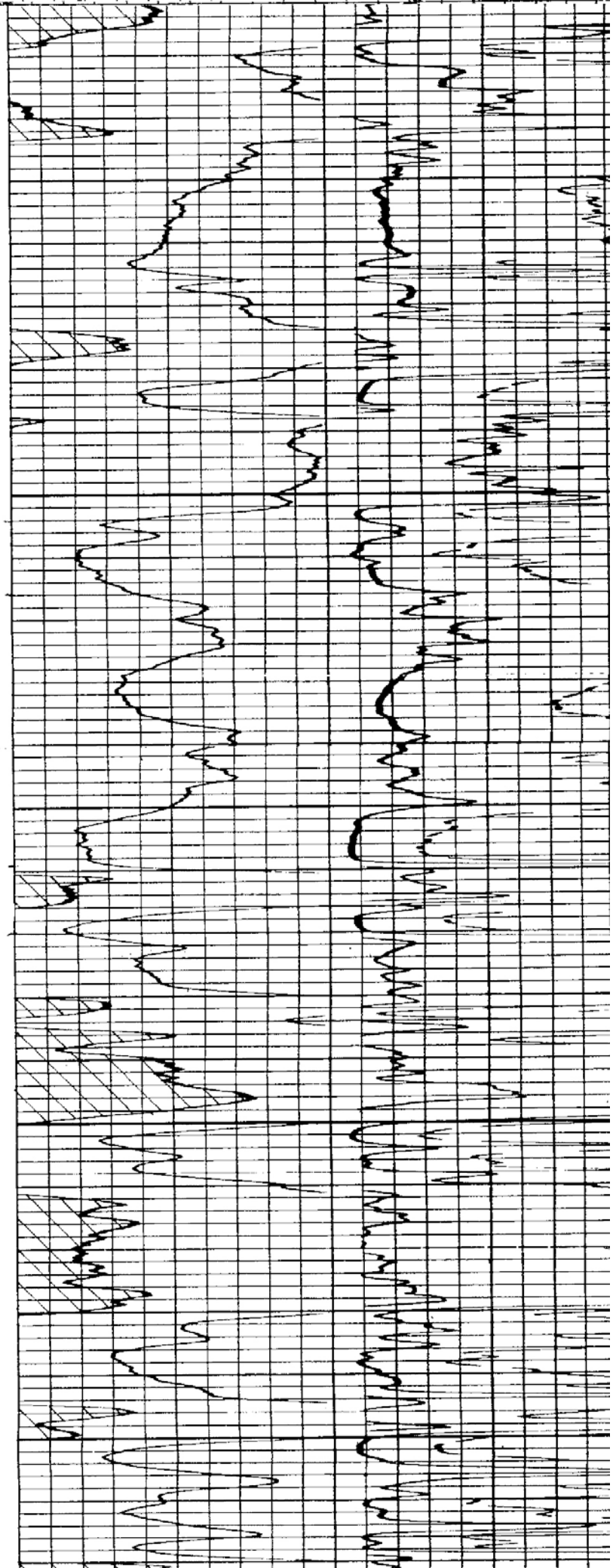


4500

4600

4700

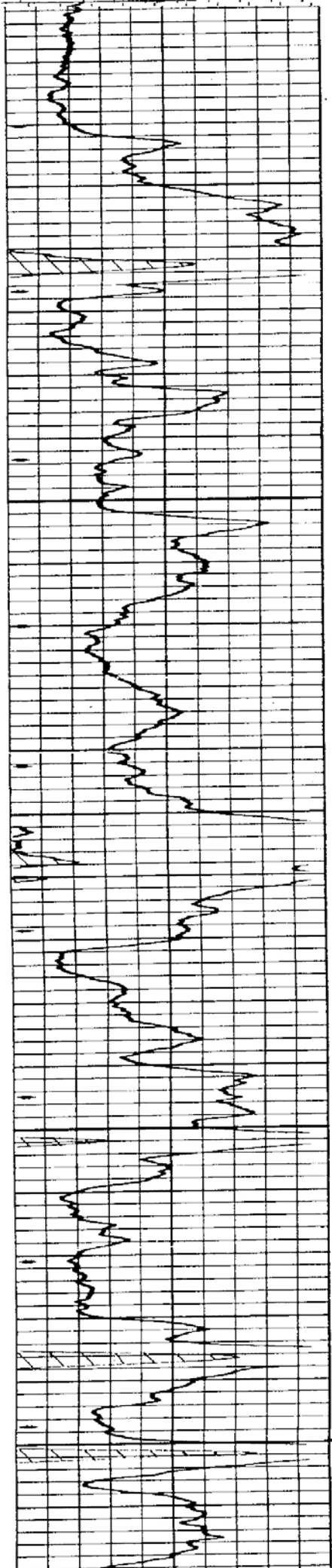




4600

4700

4800



PI/Dwights PLUS Online Well Scout Ticket**1 CANTON-C**

State: KANSAS
 County: KIOWA
 Operator: PETROLEUM INC
 API: 15097200380000 IC:
 Initial Class: D
 Target Objective:
 Final Well Class: DG
 Status: GAS
 Field: GLICK
 Permit: on SEP 29, 1967
 First Report Date: APR 15, 1968
 Projected TD: Formation: UNKNOWN
 Hole Direction: VERTICAL
 IP Summary: Oil Gas Water Top Form
 22250 MCFD MISSISSIPPIAN

Location

Section, Twp., Range: 20 30 S 17 W
 Spot Code: C NW
 Footage NS EW Origin:
 Surface remark:
 Principal Meridian: 6TH PRINCIPAL MRD
 Lat/Long: 37.4221900 / -99.2062900 TB
 PBHL Footage NS EW Origin:
 PBHL Section:
 PHBL remark:
 PHBL: From Surface: TVD:
 ABHL Footage NS EW Origin:
 ABHL Section:
 ABHL remark:
 ABHL: From Surface: TVD:

Dates and Depths

Spud: OCT 09, 1967 Spud Date Code:
 TD: 4936 on
 LTD: 4935
 TVD:
 PlugBack Depth: 4927
 Completed: APR 08, 1968
 Formation @ TD: 359MSSP Name: MISSISSIPPIAN
 Ref. Elevation: 2036 KB
 KB. Elevation: 2036
 Ground Elevation:
 Contractor: GARVEY DRILLING
 Rig Release Date: Rig #

IP # 001

Top Formation: MISSISSIPPIAN
 Base Formation: MISSISSIPPIAN
 Oil: Condst:
 Gas: 22250 MCFD Water:
 Interval: 4902 - 4922 Method: FLOWING
 Duration of Test: Hours Choke:
 Oil: Gravity: GOR:
 Prod Method: PERF

PI/Dwights PLUS Online Well Scout Ticket

Pressures: FTP: SITP:
FCP: SICP:
CAOF:
Perforations: Interval Cnt Type Shots/Ft Top Formation
4902 - 4922 359MSSP MISSISSIPPIAN

PD # 001

Top Formation: MISSISSIPPIAN
Base Formation: MISSISSIPPIAN
Oil: Condst:
Gas: 5700 MCFD Water:
Interval: 4902 - 4922 Method: FLOWING
Duration of Test: Hours Choke: 64/64
Oil: Gravity: GOR:
Prod Method: PERF
Pressures: FTP: SITP:
FCP: 130 SICP:
Perforations: 359MSSP MISSISSIPPIAN
Perf Interval: 4902 - 4922 Shots/Ft:
Remarks on PT Test # 001 PERF 41/4902-4922 F WITH MIST FRESH WTR & CONDENSATE

PD # 002

Top Formation: MISSISSIPPIAN
Base Formation: MISSISSIPPIAN
Oil: Condst:
Gas: 2740 MCFD Water:
Interval: 4902 - 4922 Method: FLOWING
Duration of Test: Hours Choke:
Oil: Gravity: GOR:
Prod Method: PERF
Pressures: FTP: SITP:
FCP: 120 SICP:
Perforations: 359MSSP MISSISSIPPIAN
Perf Interval: 4902 - 4922 Shots/Ft:

PD # 003

Top Formation: MISSISSIPPIAN
Base Formation: MISSISSIPPIAN
Oil: Condst:
Gas: 8060 MCFD Water:
Interval: 4902 - 4922 Method: FLOWING
Duration of Test: Hours Choke:
Oil: Gravity: GOR:
Prod Method: PERF
Pressures: FTP: SITP:
FCP: 400 SICP:
Perforations: 359MSSP MISSISSIPPIAN
Perf Interval: 4902 - 4922 Shots/Ft:

Treatments: 100 Interval: 4902 - 4922
Fluid: 1000 GAL ACID Type: A
Additive:
Prop Agent:
Formation Break Down Pressure:
Average Injection Rate:1.1
Stages: Remarks:

PD # 004

PI/Dwights PLUS Online Well Scout Ticket

Top Formation: MISSISSIPPIAN
 Base Formation: MISSISSIPPIAN
 Oil: Condst: 8 BPH
 Gas: 11800 MCFD Water:
 Interval: 4902 - 4922 Method: FLOWING
 Duration of Test: Hours Choke:
 Oil: Gravity: GOR:
 Prod Method: PERF
 Pressures: FTP: SITP:
 FCP: 925 SICP: 1600
 Perforations: 359MSSP MISSISSIPPIAN
 Perf Interval: 4902 - 4922 Shots/Ft:

Treatments: 101 Interval: 4902 - 4922
 Fluid: 40000 GAL FRAC Type: A
 Additive: NTGN
 Prop Agent: SAND 39000 LB
 Formation Break Down Pressure:
 Average Injection Rate: 40
 Stages: Remarks: 484000 SCF NITROGEN

DST # 001

Show: S Formation: MISSISSIPPIAN
 Interval: 4867 - 4890 BHT
 Choke: Top: Bottom:
 Mat'ls to Surface: GAS 10 340 MCFD
 Pressures and Times:

Hydro		Init Flow		Final Flow		Shut-in		Open Time		Shut-in Time	
Init	Final	Init	Final	Init	Final	Init	Final	Init	Final	Init	Final
				91	57	1436	1370	30	30	30	30

DST # 002

Show: S Formation: MISSISSIPPIAN
 Interval: 4892 - 4933 BHT
 Choke: Top: Bottom:
 Recovery: 1 10 FT O Rec Method: PIPE
 Recovery: 2 5 FT M Rec Method: PIPE
 Mat'ls to Surface: GAS 20 4070 MCFD
 Pressures and Times:

Hydro		Init Flow		Final Flow		Shut-in		Open Time		Shut-in Time	
Init	Final	Init	Final	Init	Final	Init	Final	Init	Final	Init	Final
				765	976	1535	1535	30	30	30	30

Casing, Liner, Tubing

Casing 8 IN @ 522 w/ 350 sx
 Casing 5 1/2 IN @ 4935 w/ 150 sx

Drilling Journal

Wellsite Geologist 1 RAY DOMBAUGH

Formations and Logs

Top Formation	Log #	EL @	0 - 4935	Measured	Top	Base	Base	Source	Lith-	Age
	1									

PI/Dwights PLUS Online Well Scout Ticket

Formations and Logs

	Depth	TVD	Depth	TVD	ology	code
HEEBNER	4062				LOG	406
BIG LIME	4224				LOG	404
LANSING	4242				LOG	405
HERTHA	4563				LOG	405
MARMATON	4710				LOG	404
MISSISSIPPIAN	4855				LOG	359

Dwights Energydata Narrative

Accumulated through 1997

IP: (Mississippian 4902-4922) F 11800 MCFGPD
 Perfs: 4902-4922 (Mississippian)
 Perfs: W/41 HOLES TOTAL, FLO THRU 1 INCH CK, CP 130#, VENT 5700 MCFGPD, MIST
 Perfs: OF WTR & COND, VENT 2740 MCFGPD, CP 120#, AC 1000 GAL & 24 B FLUSH,
 Perfs: SWB & FLO VENT 8060 MCFGPD, CP 400#, FRAC 40,000 GAL GEL AC & 39,000#
 Perfs: SD & 484 MCFG NITRO, VENT 11,800 MCFGPD & 8 BFPH THRU TBG W/MODEL D
 Perfs: PKR AT 4750
 Dst: #1 4867- 4890 (Mississippian)
 Dst: op . FP 91-57 SIP 1436-1370 - GTS/5' GA 310 MCFGPD & STAB, NO REC, SIT
 Dst: 30'
 Dst: #2 4892- 4933 (Mississippian)
 Dst: op . FP 765-976 SIP 1535-1535 - GTS/2', GA 3500 MCFG/5', 3970
 Dst: MCFG/10',4070 MCFG/20'& STAB, REC 10' OIL, 5' M, SIT 30'
 Cores: None
 Dwights number: K5494100

Operator Address

Street or PO Box:

City:
 State, Zip: ,
 Country:
 Phone: Fax:
 E-Mail:
 Agent Name: Agent Code:
 Agent Remark: