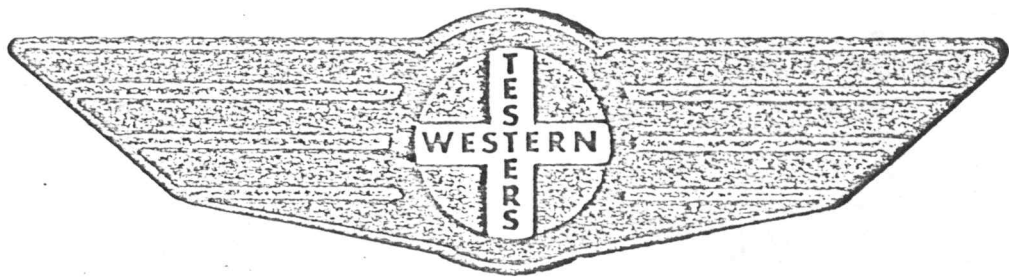


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8-6-85
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 3 TEST: 1
ELEVATION (KB): 1621 FORMATION: MISSISSIPPI
SECTION: 4 TOWNSHIP: 31S
RANGE: 7W COUNTY: HARPER STATE: KANSAS
GAUGE SN #2606 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 4361 FT TO: 4369 FT TOTAL DEPTH: 4369 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4356 FT SIZE: 6 5/8 IN PACKER DEPTH: 4361 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLG. #10
MUD TYPE: CHEMMONPAC VISCOSITY: 51
WEIGHT: 9.6 WATER LOSS (CC): 10.4
CHLORIDES (P.P.M.): 7500
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 187 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4154 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 8 FT SIZE: 5 1/2 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 FH IN

BLOW: INITIAL FLOW PERIOD STRONG BLOW
IN 12 MINUTES.
FINAL FLOW PERIOD STRONG BLOW;
NO GAS TO SURFACE.

RECOVERED: 1850 FT OF: GAS ABOVE FLUID.
RECOVERED: 20 FT OF: HEAVY OIL CUT GASSY MUD
RECOVERED: FT OF: (30% GAS; 30% OIL; 10% WATER; 30% MUD).
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 2:35 AM
WELL TEMPERATURE: 121 °F

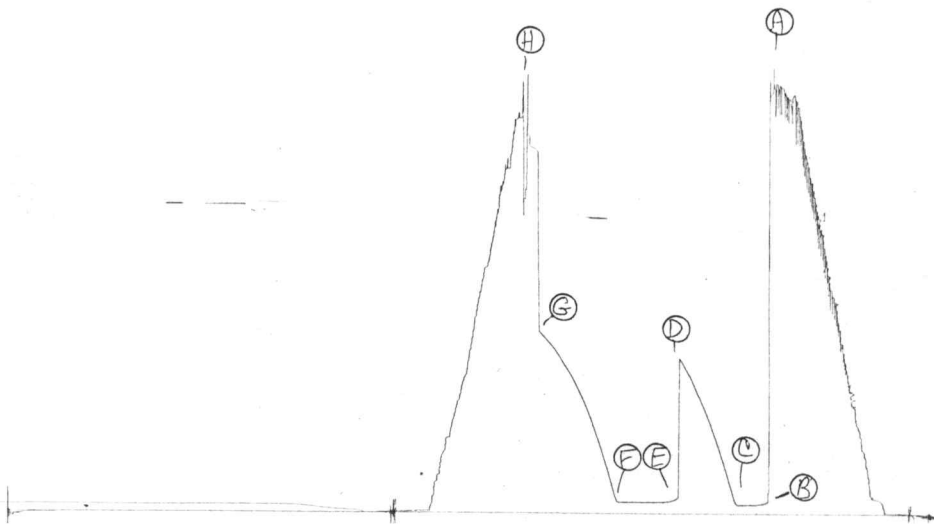
TIME STARTED OFF BOTTOM: 5:35 AM

INITIAL HYDROSTATIC PRESSURE:		(A) 2237	PSI	
INITIAL FLOW PERIOD	MIN: 25	(B) 51	PSI TO (C) 51	PSI
INITIAL CLOSED IN PERIOD	MIN: 45	(D) 839	PSI	
FINAL FLOW PERIOD	MIN: 45	(E) 63	PSI TO (F) 63	PSI
FINAL CLOSED IN PERIOD	MIN: 60	(G) 976	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2118	PSI	

2600

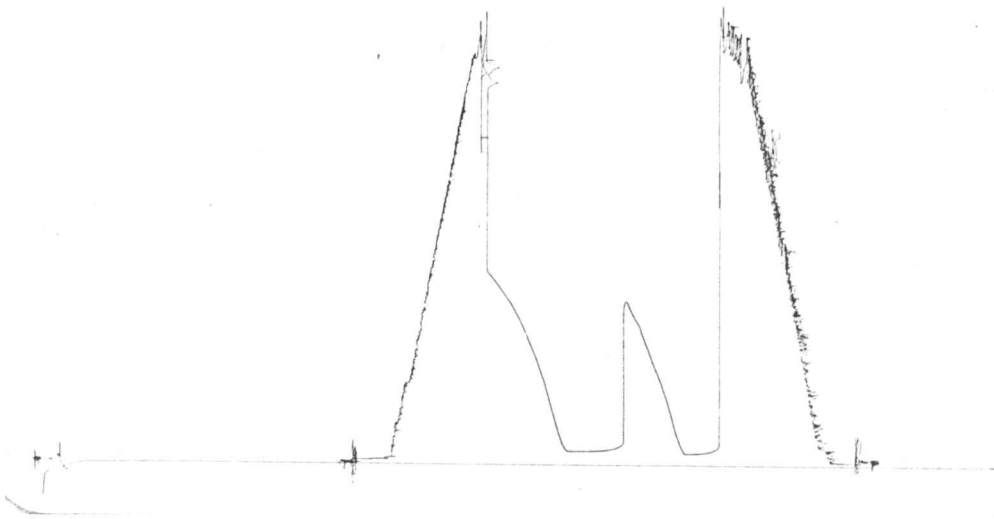
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TKT # 10994
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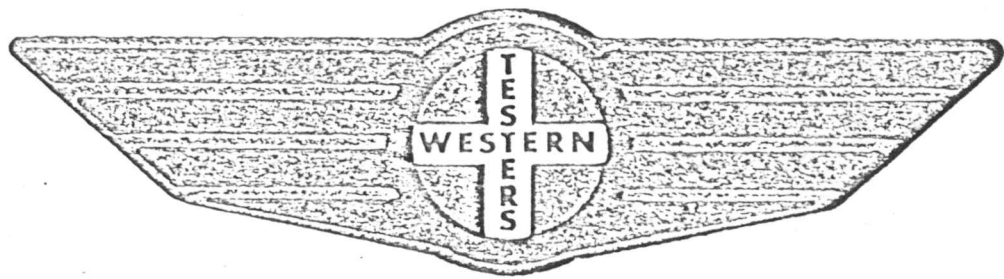
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8-6-85
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 3 TEST: 2
ELEVATION (KB): 1621 FORMATION: MISSISSIPPI
SECTION: 4 TOWNSHIP: 31S
RANGE: 7W COUNTY: HARPER STATE: KANSAS
GAUGE SN #2606 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 4369 FT TO: 4379 FT TOTAL DEPTH: 4379 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4364 FT SIZE: 6 5/8 IN PACKER DEPTH: 4369 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLG. #10
MUD TYPE: CHEMMONPAC VISCOSITY: 57
WEIGHT: 9.2 WATER LOSS (CC): 10.5
CHLORIDES (P.P.M.): 11000
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 187 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4162 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 10 FT SIZE: 5 1/2 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 FH IN

BLOW: INITIAL FLOW PERIOD STRONG BLOW.
FINAL FLOW PERIOD STRONG BLOW;
NO GAS TO SURFACE.

RECOVERED: 62 FT OF: GAS & OIL CUT MUD
RECOVERED: FT OF: (15% GAS; 15% OIL; 70% MUD).
RECOVERED: 62 FT OF: HEAVY OIL & GAS CUT MUD
RECOVERED: FT OF: (30% GAS; 20% OIL; 50% MUD).
RECOVERED: 62 FT OF: GASSY OIL
RECOVERED: FT OF: (50% GAS; 30% OIL; 10% WATER; 10% MUD).
RECOVERED: 4000 FT OF: GAS ABOVE FLUID.
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 4:00 PM TIME STARTED OFF BOTTOM: 8:15 PM
WELL TEMPERATURE: 134 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2240 PSI
INITIAL FLOW PERIOD MIN: 20 (B) 62 PSI TO (C) 62 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1022 PSI
FINAL FLOW PERIOD MIN: 90 (E) 74 PSI TO (F) 76 PSI
FINAL CLOSED IN PERIOD MIN: 93 (G) 1125 PSI
FINAL HYDROSTATIC PRESSURE (H) 2188 PSI

PRESSURE DATA

DATE: 8-6-85
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 3 TEST: 2
ELEVATION (KB): 1621
SECTION: 4
RANGE: 7W COUNTY: H
GAUGE SN #2606 RANGE: 41

TICKET #10995
LEASE: "L" ALBRIGHT
GEOLOGIST: B. KLAVER
MISSISSIPPI
31S
STATE: KANSAS
CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	2240	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	62	PSI
(C)	FIRST FINAL FLOW PRESSURE:	62	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	1022	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	74	PSI
(F)	SECOND FINAL FLOW PRESSURE:	76	PSI
(G)	FINAL CLOSED-IN PRESSURE:	1125	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	2188	PSI
WELL TEMPERATURE:		134	'F
OPEN TOOL: 4:00 PM			

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	20 MIN
INITIAL CLOSED-IN PRESSURE:	45 MIN	45 MIN
SECOND FLOW PRESSURE:	90 MIN	90 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	93 MIN

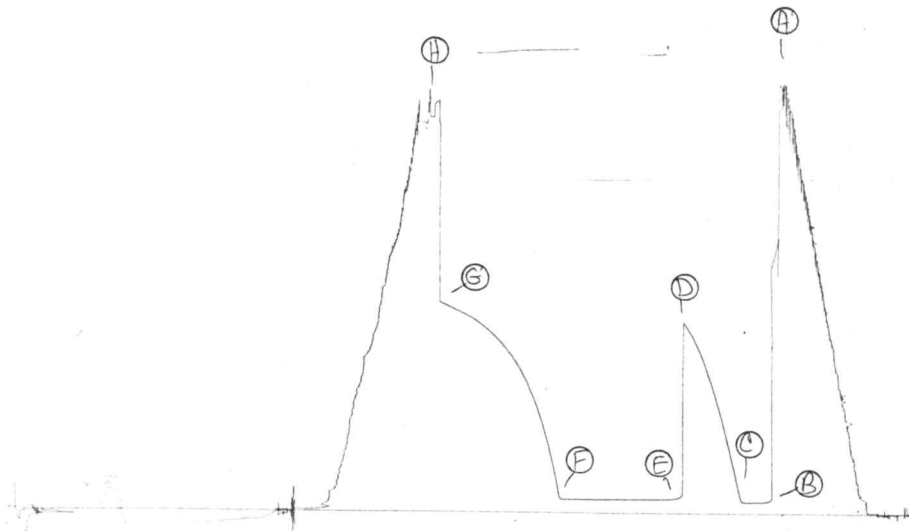
PRESSURE BREAKDOWN

[illegible]

PRESSURE BREAKDOWN - CONT. TICKET #10995

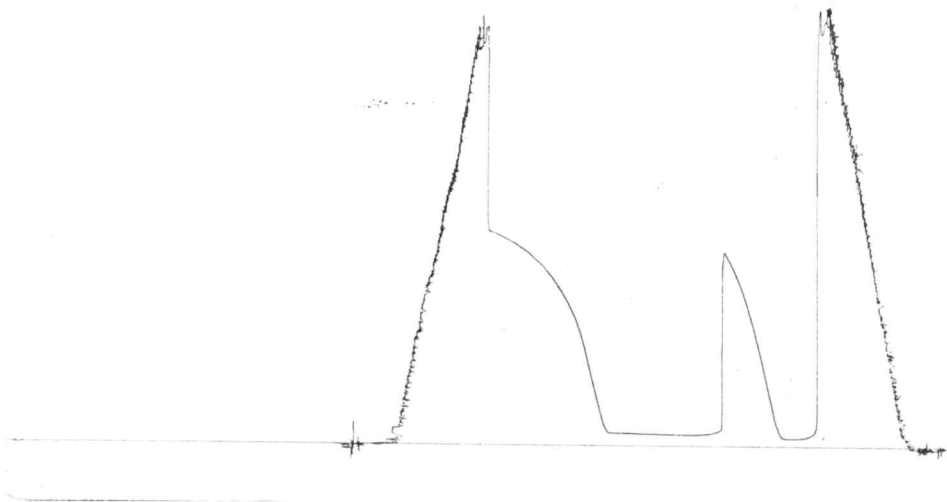
PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
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TKT #10995
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13267 DST#2

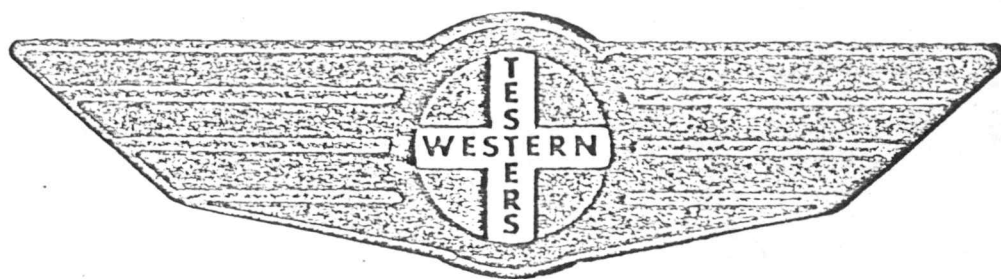
TKT # 10995
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

company PICKRELL DRILLING COMPANY Lease & Well No. #3 "L" ALBRIGHT Sec. 4 Twp. 31S Rge. 7W Test No. 3 Date 8/7/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8-7-85
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 3 TEST: 3
ELEVATION (KB): 1621 FORMATION: MISSISSIPPI
SECTION: 4 TOWNSHIP: 31S
RANGE: 7W COUNTY: HARPER STATE: KANSAS
GAUGE SN #2606 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 4379 FT TO: 4389 FT TOTAL DEPTH: 4389 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4374 FT SIZE: 6 5/8 IN Packer DEPTH: 4379 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLG. #10
MUD TYPE: CHEMMONPAC VISCOSITY: 59
WEIGHT: 9.3 WATER LOSS (CC): 10.4
CHLORIDES (P.P.M.): 10000
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT?
DRILL COLLAR LENGTH: 187 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4172 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 10 FT SIZE: 5 1/2 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.
GAS TO SURFACE IN 5 MINUTES ON
INITIAL FLOW PERIOD.
SEE ATTACHED GAS FLOW REPORT.

RECOVERED: 1054 FT OF: FREE OIL (34 GRAVITY CORRECTED AT 98 DEGREES).
RECOVERED: 124 FT OF: FROGGY OIL.
RECOVERED: 496 FT OF: WATER.
RECOVERED: FT OF: CHLORIDES 112000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 7:25 AM TIME STARTED OFF BOTTOM: 11:40 AM
WELL TEMPERATURE: 128 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2247 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 200 PSI TO (C) 228 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1442 PSI
FINAL FLOW PERIOD MIN: 85 (E) 284 PSI TO (F) 617 PSI
FINAL CLOSED IN PERIOD MIN: 90 (G) 1440 PSI
FINAL HYDROSTATIC PRESSURE (H) 2231 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

TICKET #10996

LEASE: "L" ALBRIGHT

GEOLOGIST: B. KLAVER

FORMATION: MISSISSIPPI

TOWNSHIP: 31S

COUNTY: HARPER

STATE: KANSAS

RANGE: 4150

CLOCK: 12

(B) FIRST INITIAL FLOW PRESSURE: 200 PSI

(C) FIRST FINAL FLOW PRESSURE: 228 PSI

(D) INITIAL CLOSED-IN PRESSURE: 1442 PSI

(E) SECOND INITIAL FLOW PRESSURE: 284 PSI

(F) SECOND FINAL FLOW PRESSURE: 617 PSI

(G) FINAL CLOSED-IN PRESSURE: 1440 PSI

(H) FINAL HYDROSTATIC PRESSURE: 2231 PSI

WELL TEMPERATURE: 128 °F

OPEN TOOL: 7:25 AM

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	30 MIN
INITIAL CLOSED-IN PRESSURE:	45 MIN	45 MIN
SECOND FLOW PRESSURE:	90 MIN	85 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	90 MIN

PRESSURE BREAKDOWN

[illegible]

PRESSURE BREAKDOWN - CONT. TICKET #10996.

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	1440
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WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 8-7-85
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 3
ELEVATION (KB): 1621
SECTION: 4
RANGE: 7W
GAUGE SN #2606

TEST: 3
FORMATION: MISSISSIPPI
TOWNSHIP: 31S
COUNTY: HARPER
RANGE: 4150

TICKET #10996
LEASE: "L" ALBRIGHT
GEOLOGIST: B. KLAVER
STATE: KANSAS
CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
---------------------	-------------	-----------------	-------------------	------------------

PRE FLOW

5				GAS TO SURFACE.
10	MERLA	1 IN.	20 PSIG	115000 CFPD
20			18	110000
30			13	93600

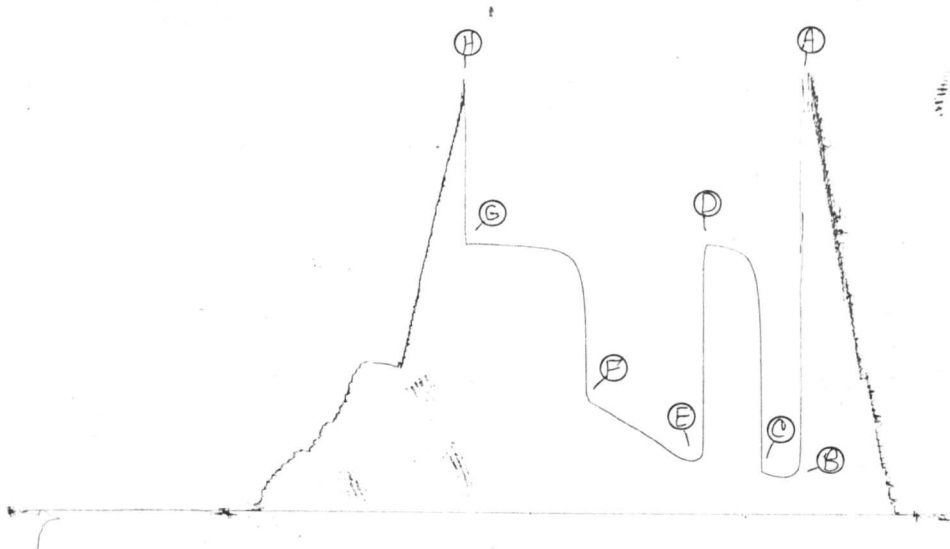
SECOND FLOW

10	MERLA	1 IN.	20 PSIG	115000 CFPD
20			17	106000
30			10	81600
40			9	77500
50			5	57700
60			6	66300
70			5	57700
80			4	51600
90			4	51600

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED:

TKT #10996

I



13267 PST#3

TKT #10996

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