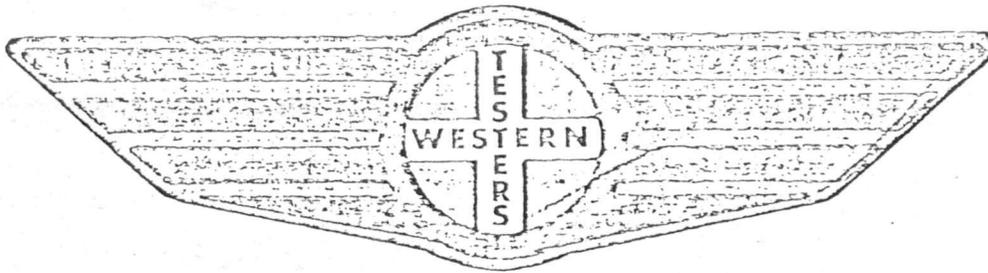


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company MOLZ OIL CO., INC. Lease and Well No. #4 ESTERLLA Sec. 29 Twp. 32S Rge. 10W Test No. 1 Date 9/13/87

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 9/13/84  
CUSTOMER: MOLZ OIL COMPANY INC.  
WELL: 4 TEST: 1  
ELEVATION (KB): 1477 FORMATION: SWOPE  
SECTION: 29 TOWNSHIP: 32S  
RANGE: 10W COUNTY: BARBER STATE: KANSAS  
GAUGE SN #13221 RANGE: 4450 CLOCK: 12

INTERVAL TEST FROM: 4143 FT TO: 4153 FT TOTAL DEPTH: 4153 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 4138 FT SIZE: 6 3/4 IN PAKER DEPTH: 4143 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: SWEETMAN DRG  
MUD TYPE: STARCH VISCOSITY: 46  
WEIGHT: 9.4 WATER LOSS (CC): 12.2  
CHLORIDES (P.P.M.):  
JARS - MAKE: WTC SERIAL NUMBER: 411  
DID WELL FLOW? YES REVERSED OUT? NO  
DRILL COLLAR LENGTH: 350 FT I.D.: 2.2 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 3764 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 29 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 XH IN

BLOW: STRONG BLOW THROUGHOUT TEST. GAS  
TO SURFACE IN 8 MINUTES ON THE  
INITIAL FLOW PERIOD. SEE ATTACHED  
SHEET FOR GAS MEASUREMENTS.

RECOVERED: 50 FT OF: SLIGHTLY GAS CUT MUD.  
RECOVERED: FT OF: 10% GAS; 90% MUD.  
RECOVERED: 60 FT OF: SLIGHTLY GAS CUT MUD WITH SLIGHT OIL SPOTTING.  
RECOVERED: FT OF: 10% GAS; 5% OIL; 85% MUD.  
RECOVERED: 60 FT OF: SLIGHTLY GAS CUT SALT WATER WITH OIL SPOTTING.  
RECOVERED: FT OF: 15% OIL; 5% GAS; 80% SALT WATER.  
RECOVERED: 60 FT OF: SLIGHTLY OIL CUT SALT WATER.  
RECOVERED: FT OF: 2% OIL; 98% SALT WATER.  
RECOVERED: 240 FT OF: SALT WATER.

REMARKS: CHLORIDES 148000 PPM.

TIME SET PACKER(S): 2:55 PM TIME STARTED OFF BOTTOM: 5:30 PM  
WELL TEMPERATURE: 118 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 2307 PSI  
INITIAL FLOW PERIOD MIN: 30 (B) 126 PSI TO (C) 168 PSI  
INITIAL CLOSED IN PERIOD MIN: 30 (D) 1489 PSI  
FINAL FLOW PERIOD MIN: 35 (E) 201 PSI TO (F) 226 PSI  
FINAL CLOSED IN PERIOD MIN: 66 (G) 1511 PSI  
FINAL HYDROSTATIC PRESSURE (H) 2257 PSI



WESTERN TESTING CO. INC.  
GAS FLOW REPORT

DATE: 9/13/84  
CUSTOMER: MOLZ OIL COMPANY INC.  
WELL: 4 TEST: 1  
ELEVATION (KB): 1477 FORMATION: SWOPE  
SECTION: 29 TOWNSHIP: 32S  
RANGE: 10W COUNTY: BARBER STATE: KANSAS  
GAUGE SN #13221 RANGE: 4450 CLOCK: 12

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

PRE FLOW

INITIAL	MERLA	1/4	3.0 PSIG	15700 CFPD
10			11.0	32400
15		1/2	15.0	147000
20			12.0	129000
25			10.0	116000
30			10.0	116000

SECOND FLOW

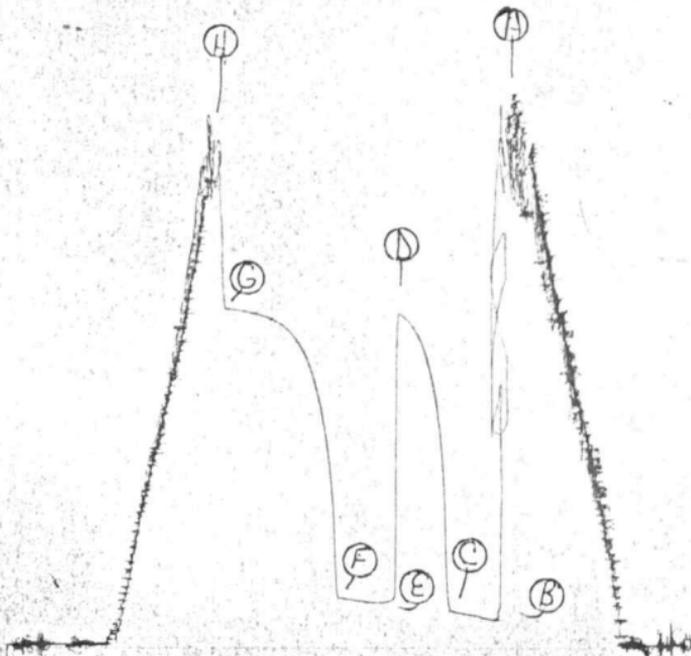
5	MERLA	1/2	10.0	116000 CFPD
10			8.0	101000
15			5.5	81800
20			5.5	81800
25			5.5	81800
30			5.5	81800
35			5.5	81800

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

TKT # 5 713

# 13221

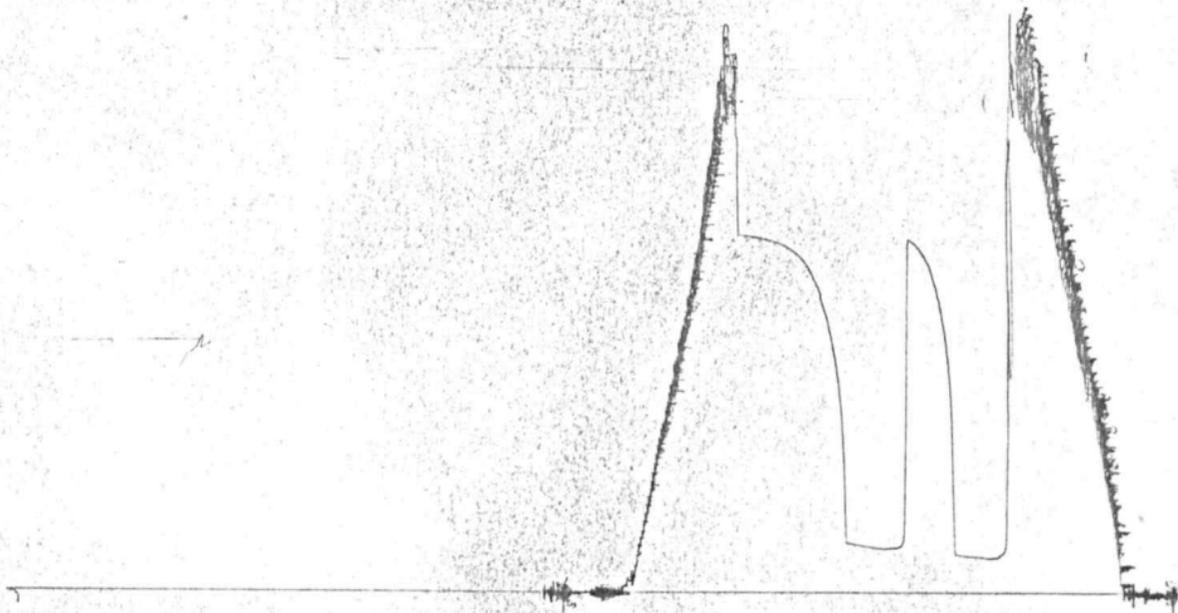
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TK7 #5 7/3

#13587

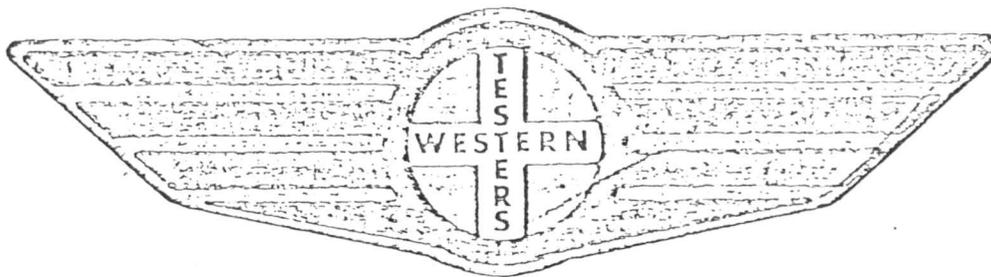
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# FORMATION

# TEST

# REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company \_\_\_\_\_ FULL OIL CO., INC. \_\_\_\_\_ Lease and Well No. \_\_\_\_\_ #4 ESTERDA \_\_\_\_\_ Sec. 47 Twp. 26S Rge. 10W Test No. 2 Date 7/14/87





WESTERN TESTING CO. INC.  
GAS FLOW REPORT

DATE: 9/14/84  
CUSTOMER: MOLZ OIL COMPANY INC.  
WELL: 4  
ELEVATION (KB): 1477  
SECTION: 29  
RANGE: 10W  
GAUGE SN #13221

TEST: 2  
FORMATION: CHEROKEE-MISSISSIPPI  
TOWNSHIP: 32S  
COUNTY: BARBER  
RANGE: 4450

TICKET #5714  
LEASE: ESTELLA  
GEOLOGIST: KEEN  
STATE: KANSAS  
CLOCK: 12

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

20	MERLA	1/4	3.0 PSIG	15700 CFPD
25			4.5	19500
30			6.0	22900

SECOND FLOW

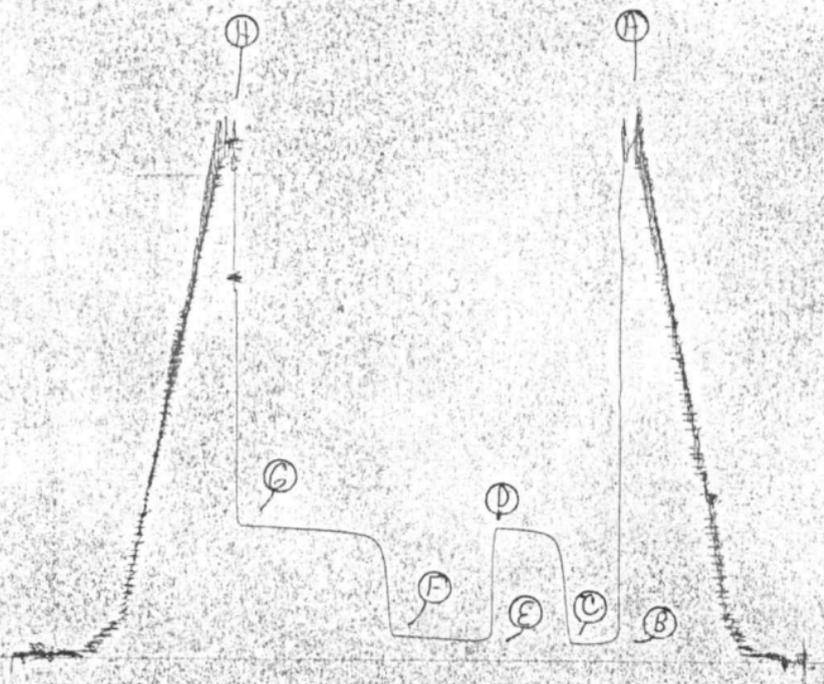
5	MERLA	1/4	7.0 PSIG	25000 CFPD
10			10.0	30800
20			14.5	38400
30			17.5	43100
40			19.0	45500
50			21.0	48700
60			21.0	48700

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

TKT # 5714

# 13221

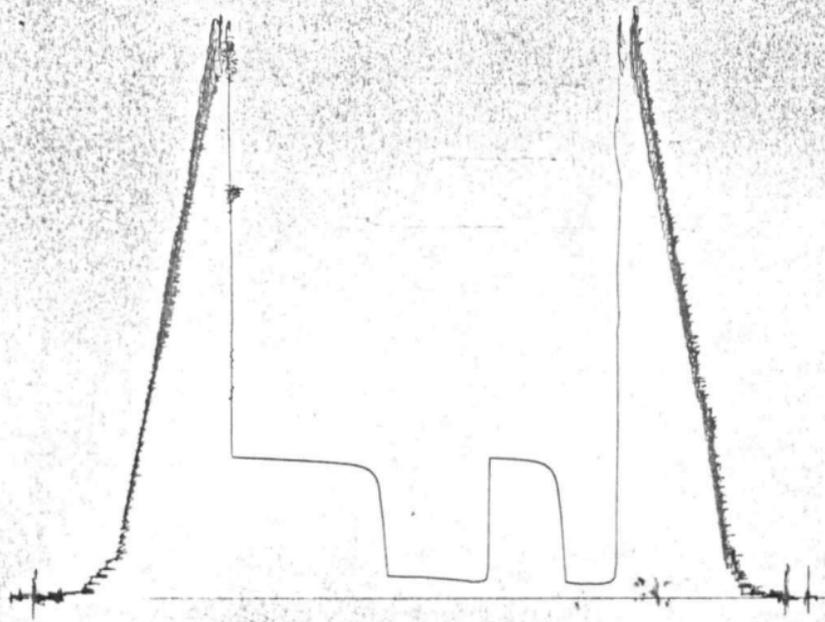
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TKT #5 114

#12551

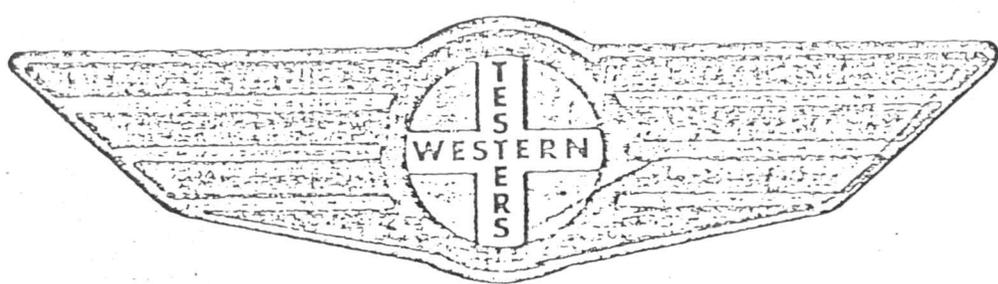
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# FORMATION

# TEST

# REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

PRESSURE BREAKDOWN - CONT. TICKET #5715

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	1063
32								
33								
34								
35								
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DRILL TOOL: 10430 A.M.

TIME - GIVEN TIME - ACTUAL

FIRST FLOW PER SECOND

INITIAL CLOSED-IN PRESSURE

SECOND FLOW PRESSURE

WESTERN TESTING COMPANY INC.  
GAS FLOW REPORT

DATE: 9/15/84  
 CUSTOMER: MOLZ OIL COMPANY  
 WELL: #4 TEST: 3  
 ELEVATION (KB): 1477 FORMATION: MISS  
 SECTION: 29 TOWNSHIP: 32S  
 RANGE: 10W COUNTY: BARBER STATE: KANSAS  
 GAUGE SN #13221 RANGE: 4450 CLOCK: 12

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

PRE FLOW

15	MERLA	1/4	3 PSIG	15700 CFPD
20		"	5 PSIG	20700 " "
25	48	"	8 PSIG	27000 " "
30	49	"	11 PSIG	32400 " "

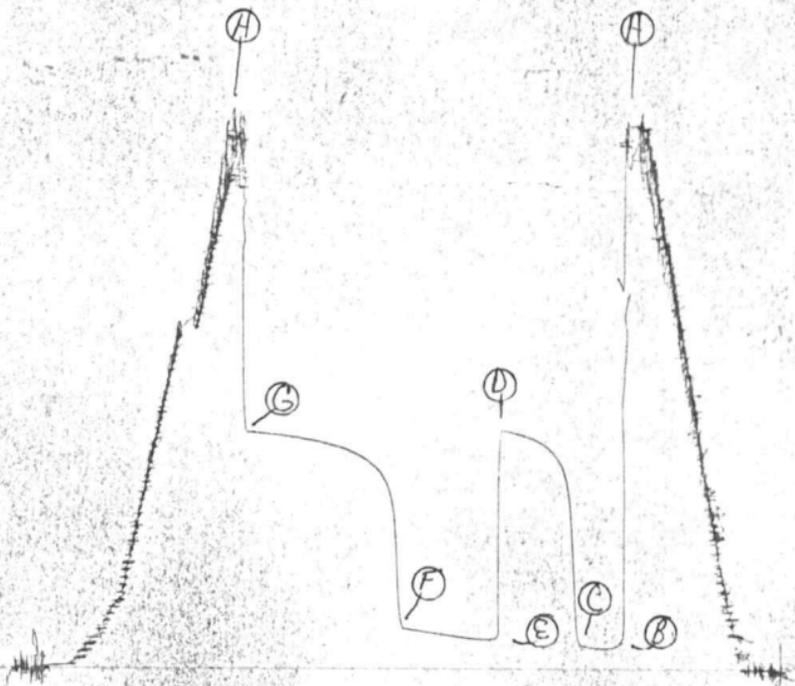
SECOND FLOW

5	MERLA	1/4	11 PSIG	32400 CFPD
10		"	12 PSIG	34000 " "
20		"	13 PSIG	35900 " "
30		"	12 PSIG	34000 " "
40		"	11 PSIG	32400 " "
50		"	10 PSIG	30800 " "
60		"	9 PSIG	29000 " "

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

TKT # 5715

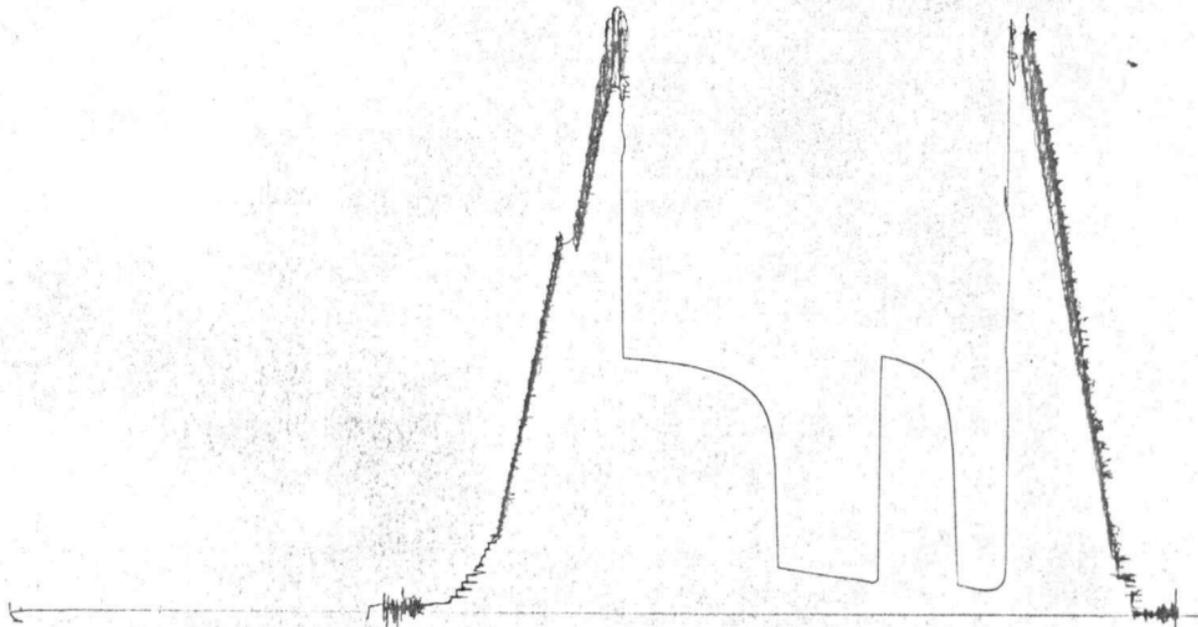
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TKT #5715

#13551

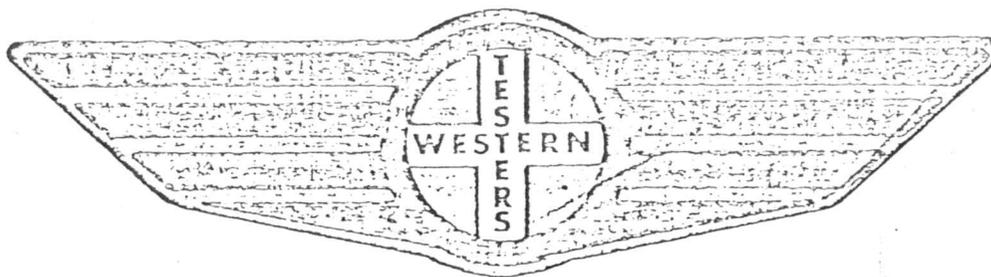
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# FORMATION

# TEST

# REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company

FIELD OFFICE

Lease and Well No.

#4 ESTELLA

Sec.

29

Twp.

32S

Rge.

10W

Test No.

4

Date

9/16/87



PRESSURE BREAKDOWN - CONT. TICKET #5716

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	1117
32							93	1117
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OPEN TOOL: 4-10 P.M. ...  
 TIME - GIVEN TIME - ACTUAL  
 FIRST FLOW PRESSURE: ...  
 INITIAL CLOSED-IN PRESSURE: 43 ...  
 SECOND FLOW PRESSURE: ... MIN: 50

WESTERN TESTING COMPANY INC.  
GAS FLOW REPORT

DATE: 9/16/84  
 CUSTOMER: MOLZ OIL COMPANY  
 WELL: #4  
 ELEVATION (KB): 1477  
 SECTION: 29  
 RANGE: 10W  
 GAUGE SN #13221

TEST: 4  
 FORMATION: VIOLA  
 TOWNSHIP: 32S  
 COUNTY: BARBER  
 RANGE: 4450

TICKET #5716  
 LEASE: ESTELLA  
 GEOLOGIST: KEEN  
 STATE: KANSAS  
 CLOCK: 12

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

PRE FLOW

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
5	MERLA	1	2 PSIG	195000 CFPD
10		1	2.5 PSIG	220000 " "
15		1	3 PSIG	242000 " "
20		1 1/2	12" WTR	241000 " "
25	48	1 1/2	10" WTR	220000 " "
30	49	1 1/2	8" WTR	197000 " "
35	50	1 1/2	8" WTR	197000 " "

51  
52

SECOND FLOW

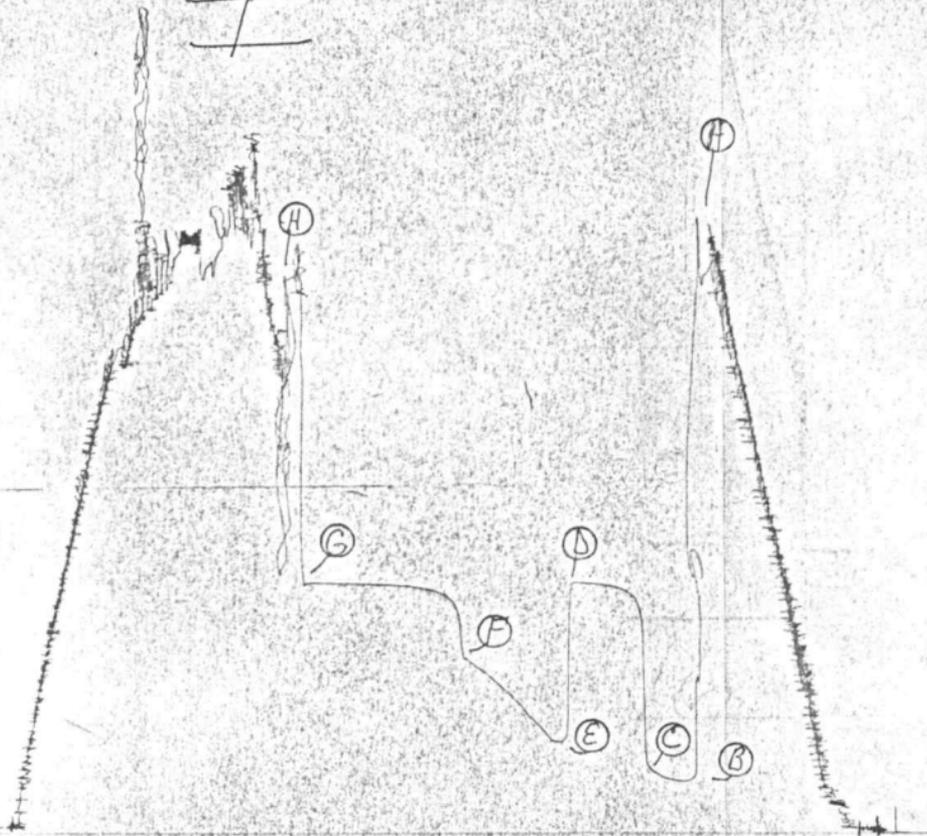
TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
5	MERLA	1	7" WTR	68300 CFPD
10		1	5.5" WTR	60500 " "
15		1/4	22" WTR	7880 " "
20		1	6" WTR	63300 " "
25		1	1.4" WTR	30600 " "
30		1/2	3" WTR	10900 " "
35		1/2	3" WTR	10900 " "
40		1/2	3" WTR	10900 " "
45		1/2	2.2" WTR	9310 " "
50		1/2	2" WTR	8870 " "
55		1/2	1.4" WTR	7420 " "
60		1/2	1" WTR	6270 " "

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

TKT # 5716

# 13221

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TKT # 5716

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