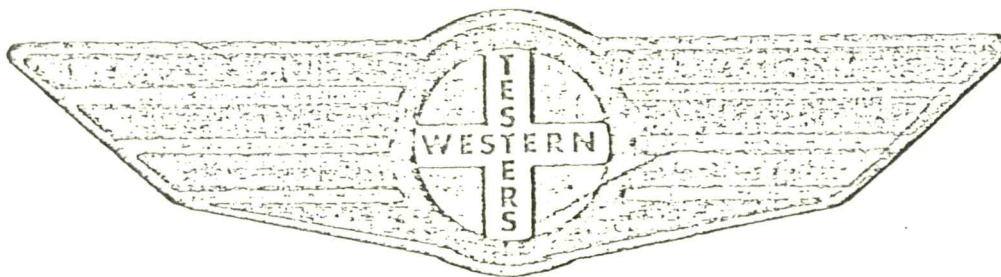


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO., INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 4/17/84  
CUSTOMER: W.L. KIRKMAN INC.  
WELL: 1 TEST: 1  
ELEVATION (KB): 0 FORMATION: COUNCIL GROVE  
SECTION: 2 TOWNSHIP: 34S  
RANGE: 29W COUNTY: MEADE STATE: KANSAS  
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 3140 FT TO: 3150 FT TOTAL DEPTH: 3150 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 3135 FT SIZE: 6 3/4 IN PACKER DEPTH: 3140 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG  
MUD TYPE: VISCOSITY: 35  
WEIGHT: 9.2 WATER LOSS (CC):  
CHLORIDES (P.P.M.): 32000  
JARS - MAKE: SERIAL NUMBER:  
DID WELL FLOW? REVERSED OUT?  
DRILL COLLAR LENGTH: 556 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 2564 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 IN  
ANCHOR LENGTH: 10 FT SIZE: 5 1/2 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: WEAK BLOW THROUGHOUT TEST.

RECOVERED: 120 FT OF: MUDDY WATER. CHLORIDES 45000 PPM.  
RECOVERED: FT OF:  
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): 11:30 PM TIME STARTED OFF BOTTOM: 2:30 AM  
WELL TEMPERATURE: 112 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 1606 PSI  
INITIAL FLOW PERIOD MIN: 30 (B) 19 PSI TO (C) 42 PSI  
INITIAL CLOSED IN PERIOD MIN: 60 (D) 862 PSI  
FINAL FLOW PERIOD MIN: 30 (E) 86 PSI TO (F) 86 PSI  
FINAL CLOSED IN PERIOD MIN: 72 (G) 846 PSI  
FINAL HYDROSTATIC PRESSURE (H) 1525 PSI

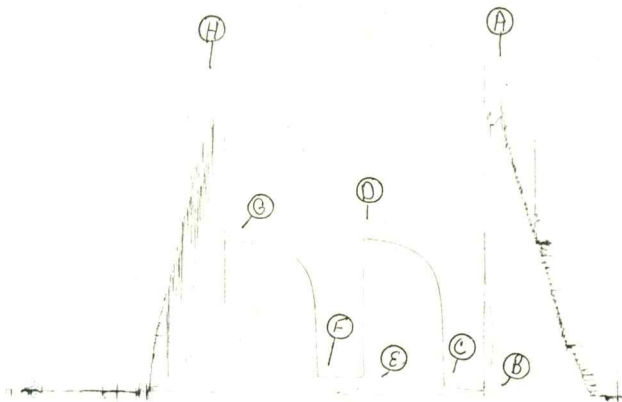


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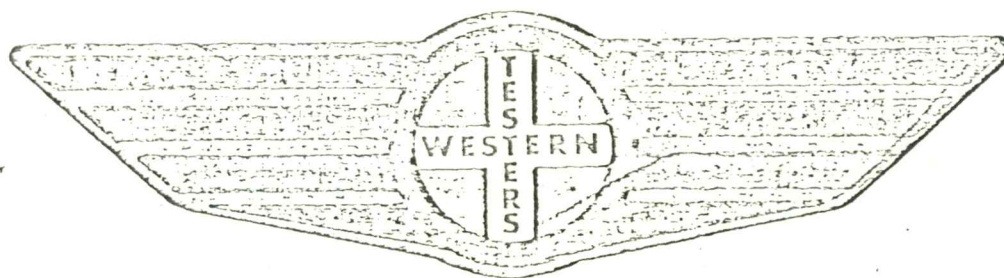
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15817

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company W.L. KIRKMAN, INC.

Lease and Well No. #1 CORDES

Sec. 2

Twp. 34S Rge. 29W

Test No. 2 Date 4/18/84



WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 4/18/84  
CUSTOMER: W.L. KIRKMAN INC.  
WELL: 1 TEST: 2  
ELEVATION (KB): 0 FORMATION: COUNCIL GROVE  
SECTION: 2 TOWNSHIP: 34S  
RANGE: 29W COUNTY: MEADE STATE: KANSAS  
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 3159 FT TO: 3169 FT TOTAL DEPTH: 3169 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 3154 FT SIZE: 6 3/4 IN PACKER DEPTH: 3159 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG  
MUD TYPE: CHEMICAL VISCOSITY: 35  
WEIGHT: 9.2 WATER LOSS (CC):  
CHLORIDES (P.P.M.): 32000  
JARS - MAKE: SERIAL NUMBER:  
DID WELL FLOW? REVERSED OUT?  
DRILL COLLAR LENGTH: 556 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 2583 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 IN  
ANCHOR LENGTH: 10 FT SIZE: 5 1/2 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: INITIAL FLOW PERIOD WEAK BLOW SLOWLY  
BUILDING TO BOTTOM OF BUCKET.  
FINAL FLOW PERIOD WEAK BLOW BUILDING  
TO 4 INCHES.

RECOVERED: 340 FT OF: SALT WATER. CHLORIDES 45000 PPM.  
RECOVERED: FT OF:  
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RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 11:15 AM TIME STARTED OFF BOTTOM: 2:15 PM  
WELL TEMPERATURE: 102 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 1605 PSI  
INITIAL FLOW PERIOD MIN: 30 (B) 29 PSI TO (C) 84 PSI  
INITIAL CLOSED IN PERIOD MIN: 60 (D) 900 PSI  
FINAL FLOW PERIOD MIN: 30 (E) 123 PSI TO (F) 162 PSI  
FINAL CLOSED IN PERIOD MIN: 66 (G) 898 PSI  
FINAL HYDROSTATIC PRESSURE (H) 1486 PSI





TKT # 15818

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TK1 # 15818

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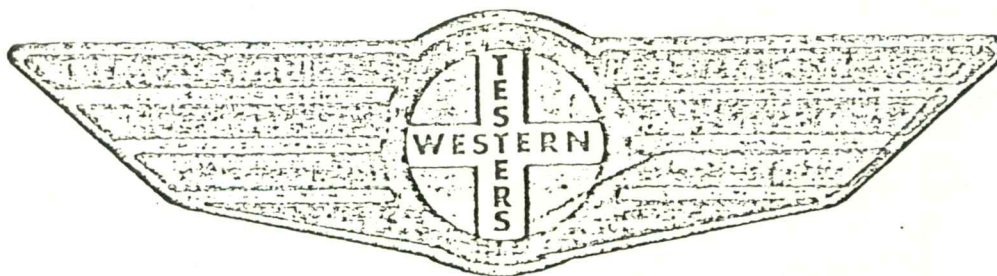
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 4/28/84  
CUSTOMER: W.L. KIRKMAN INC.  
WELL: 1 TEST: 5  
ELEVATION (KB): 0 FORMATION: MARMATON  
SECTION: 2 TOWNSHIP: 34S  
RANGE: 29W COUNTY: MEADE STATE: KANSAS  
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

TICKET #15823  
LEASE: CORDES  
GEOLOGIST: KINSCH

INTERVAL TEST FROM: 5254 FT TO: 5283 FT TOTAL DEPTH: 5283 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 5249 FT SIZE: 6 3/4 IN PACKER DEPTH: 5254 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG  
MUD TYPE: CHEMICAL VISCOSITY: 52  
WEIGHT: 9.0 WATER LOSS (CC): 5.4  
CHLORIDES (P.P.M.): 6000

JARS - MAKE: WTC SERIAL NUMBER: 411  
DID WELL FLOW? REVERSED OUT? YES

DRILL COLLAR LENGTH: 556 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 4673 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 IN  
ANCHOR LENGTH: 29 FT SIZE: 5 1/2 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: GAS TO SURFACE IN 3 MINUTES.  
SEE ATTACHED SHEET FOR GAS  
MEASUREMENTS.

RECOVERED: 4010 FT OF: CLEAN GASSY OIL.  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
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RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS: MISRUN. BOTH RECORDERS FAILED.  
NO PRESSURES AVAILABLE.

TIME SET PACKER(S): 1:30 AM TIME STARTED OFF BOTTOM: 3:10 AM  
WELL TEMPERATURE: 122 °F  
INITIAL HYDROSTATIC PRESSURE: (A) PSI  
INITIAL FLOW PERIOD MIN: 0 (B) 0 PSI TO (C) 0 PSI  
INITIAL CLOSED IN PERIOD MIN: 0 (D) 0 PSI  
FINAL FLOW PERIOD MIN: 0 (E) 0 PSI TO (F) 0 PSI  
FINAL CLOSED IN PERIOD MIN: 0 (G) 0 PSI  
FINAL HYDROSTATIC PRESSURE (H) PSI





WESTERN TESTING CO. INC.  
GAS FLOW REPORT

DATE: 4/28/84  
CUSTOMER: W.L. KIRKMAN INC.  
WELL: 1  
ELEVATION (KB): 0  
SECTION: 2  
RANGE: 29W  
GAUGE SN #1566

TEST: 5  
FORMATION: MARMATON  
TOWNSHIP: 34S  
COUNTY: MEADE  
RANGE: 4300

TICKET #15823  
LEASE: CORDES  
GEOLOGIST: KINSCH  
STATE: KANSAS  
CLOCK: 12

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

5	MERLA	1	6.0 PSIG	353000 CFPD
10			5.0 PSIG	319000 CFPD

SECOND FLOW

5	MERLA	1/8	2.5 PSIG	4420 CFPD
10			3.0 PSIG	4840 CFPD
15			3.5 PSIG	5260 CFPD
20			4.0 PSIG	5640 CFPD
25			3.5 PSIG	5260 CFPD
30			2.5 PSIG	4420 CFPD

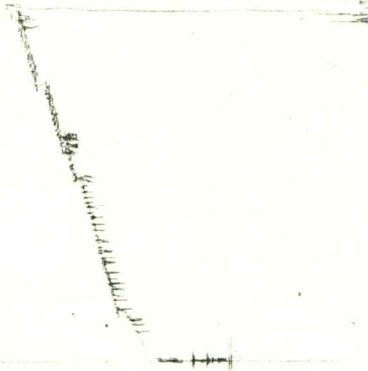
GAS BOTTLE SN #: 109  
DATE BOTTLE FILLED: 4/28/84  
DATE TO BE INVOICED: 4/28/84

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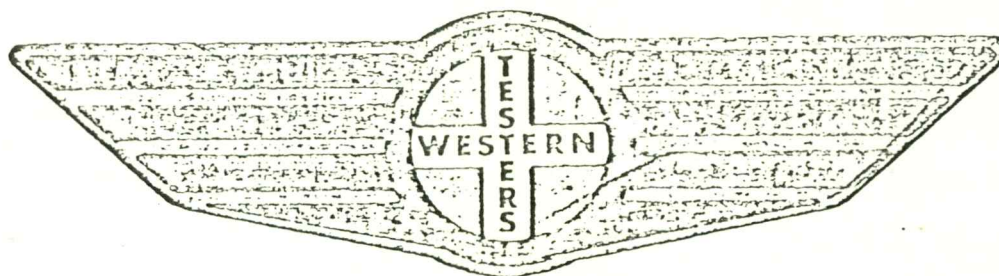
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 4/28/84 TICKET #15824  
CUSTOMER: W.L. KIRKMAN INC. LEASE: CORDES  
WELL: 1 TEST: 6 GEOLOGIST: KINSCH  
ELEVATION (KB): 0 FORMATION: MARMATON  
SECTION: 2 TOWNSHIP: 34S  
RANGE: 29W COUNTY: MEADE STATE: KANSAS  
GAUGE SN #2067 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 5283 FT TO: 5328 FT TOTAL DEPTH: 5328 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 5278 FT SIZE: 6 3/4 IN PAKER DEPTH: 5283 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG  
MUD TYPE: CHEMICAL VISCOSITY: 51  
WEIGHT: 9.0 WATER LOSS (CC): 6.8  
CHLORIDES (P.P.M.): 7000  
JARS - MAKE: WTC SERIAL NUMBER: 411  
DID WELL FLOW? REVERSED OUT?  
DRILL COLLAR LENGTH: 556 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 4702 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 IN  
ANCHOR LENGTH: 45 FT SIZE: 5 1/2 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: INITIAL FLOW PERIOD WEAK BLOW.  
1 INCH IN BUCKET.  
FINAL FLOW PERIOD NO BLOW.  
FLUSHED TOOL; STILL NO BLOW.

RECOVERED: 90	FT	OF: DRILLING MUD. CHLORIDES 12000 PPM.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
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RECOVERED:	FT	OF:

REMARKS: TOOL SLID 10 FEET.  
READ BOTTOM CHART.

TIME SET PACKER(S): 7:40 PM	TIME STARTED OFF BOTTOM: 8:30 PM
WELL TEMPERATURE: 122 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 2521 PSI
INITIAL FLOW PERIOD MIN: 10	(B) 124 PSI TO (C) 111 PSI
INITIAL CLOSED IN PERIOD MIN: 18	(D) 1326 PSI
FINAL FLOW PERIOD MIN: 10	(E) 109 PSI TO (F) 126 PSI
FINAL CLOSED IN PERIOD MIN: 18	(G) 1320 PSI
FINAL HYDROSTATIC PRESSURE	(H) 2521 PSI

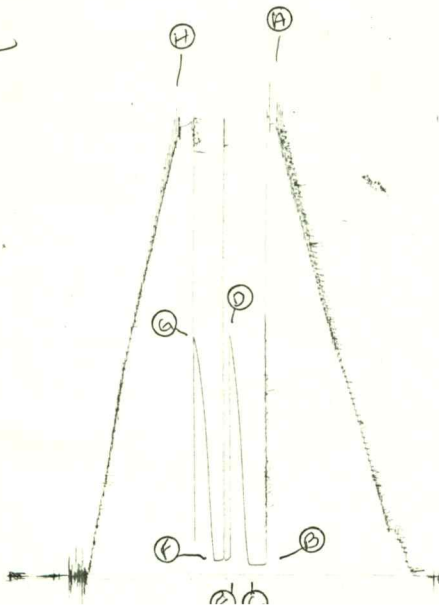




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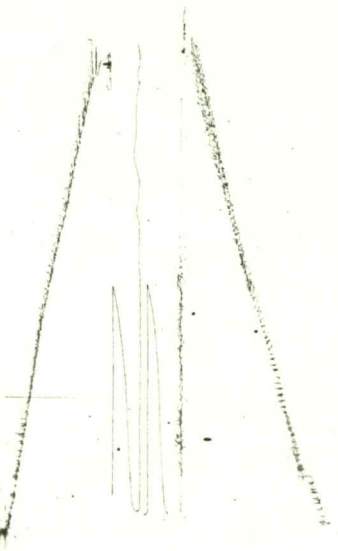
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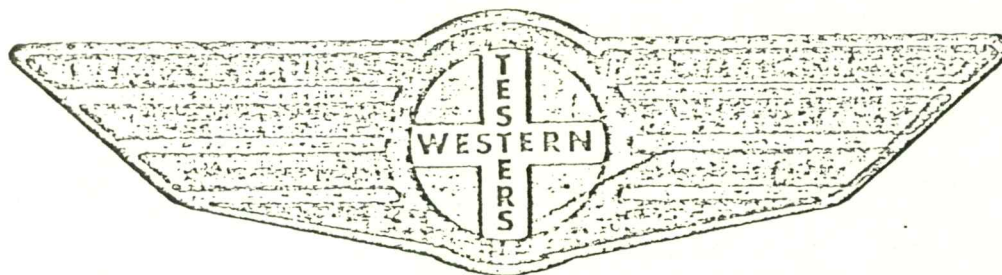
15824



FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company

W L KIRKMAN, INC.

Lease and Well No.

#1 CORDES

Sec.

2

Twp.

34S

Rge.

29W

Test No.

7

Date

4/29/8

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 4/29/84  
CUSTOMER: W.L. KIRKMAN INC.  
WELL: 1 TEST: 7  
ELEVATION (KB): 0 FORMATION: MARMATON  
SECTION: 2 TOWNSHIP: 34S  
RANGE: 29W COUNTY: MEADE STATE: KANSAS  
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 5330 FT TO: 5376 FT TOTAL DEPTH: 5376 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 5335 FT SIZE: 6 3/4 IN PACKER DEPTH: 5330 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG  
MUD TYPE: CHEMICAL VISCOSITY: 44  
WEIGHT: 8.9 WATER LOSS (CC): 9.0  
CHLORIDES (P.P.M.): 9000  
JARS - MAKE: WTC SERIAL NUMBER: 411  
DID WELL FLOW? REVERSED OUT?  
DRILL COLLAR LENGTH: 556 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 5351 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 IN  
ANCHOR LENGTH: 46 FT SIZE: 5 1/2 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: INITIAL FLOW PERIOD STRONG BLOW  
OFF BOTTOM OF BUCKET.  
FINAL FLOW PERIOD 6 INCHES IN BUCKET.

RECOVERED: 60 FT OF: OIL CUT MUD. 5% OIL; 15% WATER; 80% MUD.  
RECOVERED: 60 FT OF: SALT WATER. 10% MUD; 90% WATER.  
RECOVERED: FT OF: CHLORIDES 90000 PPM.  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS: MISRUN. BOTH CLOCKS STOPPED.  
NO PRESSURES AVAILABLE.

TIME SET PACKER(S): 12:50 TIME STARTED OFF BOTTOM: 2:30  
WELL TEMPERATURE: 120 °F  
INITIAL HYDROSTATIC PRESSURE: (A) PSI  
INITIAL FLOW PERIOD MIN: 0 (B) 0 PSI TO (C) 0 PSI  
INITIAL CLOSED IN PERIOD MIN: 0 (D) 0 PSI  
FINAL FLOW PERIOD MIN: 0 (E) 0 PSI TO (F) 0 PSI  
FINAL CLOSED IN PERIOD MIN: 0 (G) 0 PSI  
FINAL HYDROSTATIC PRESSURE (H) PSI





18 TKT # 15825

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TKT# 15825

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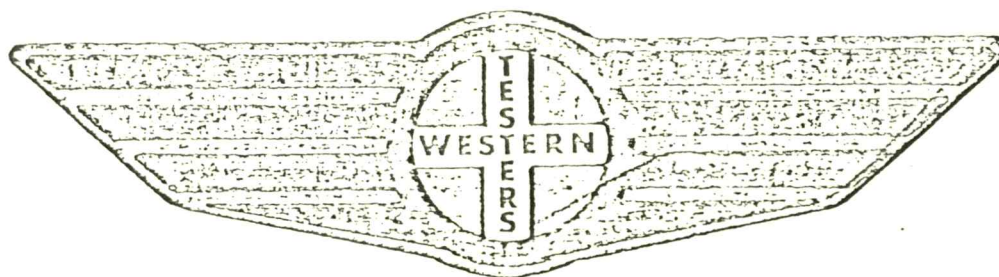
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# FORMATION

## TEST

## REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone (316) 262-5861

Company

W L KIRKMAN, INC.

Lease and Well No.

#1 CORDES

Sec.

2

Twp.

34S

Rge.

29W

Test No.

8

Date

5/1/84





WESTERN TESTING COMPANY INC.  
GAS FLOW REPORT

DATE: 5/1/84  
CUSTOMER: W.L.KIRKMAN  
WELL: #1  
ELEVATION (KB): 0  
SECTION: 2  
RANGE: 29W  
GAUGE SN #1566

TEST: 8  
FORMATION: MARROW  
TOWNSHIP: 34S  
COUNTY: MEAD  
RANGE: 4300

TICKET #18126  
LEASE: CORDES  
GEOLOGIST: KISSICLE  
STATE: KANSAS  
CLOCK: 12

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

5	MERLA	1 1/2	24 PSIG	2200000 CFPD
10		"	30 PSIG	2558000 " "

SECOND FLOW

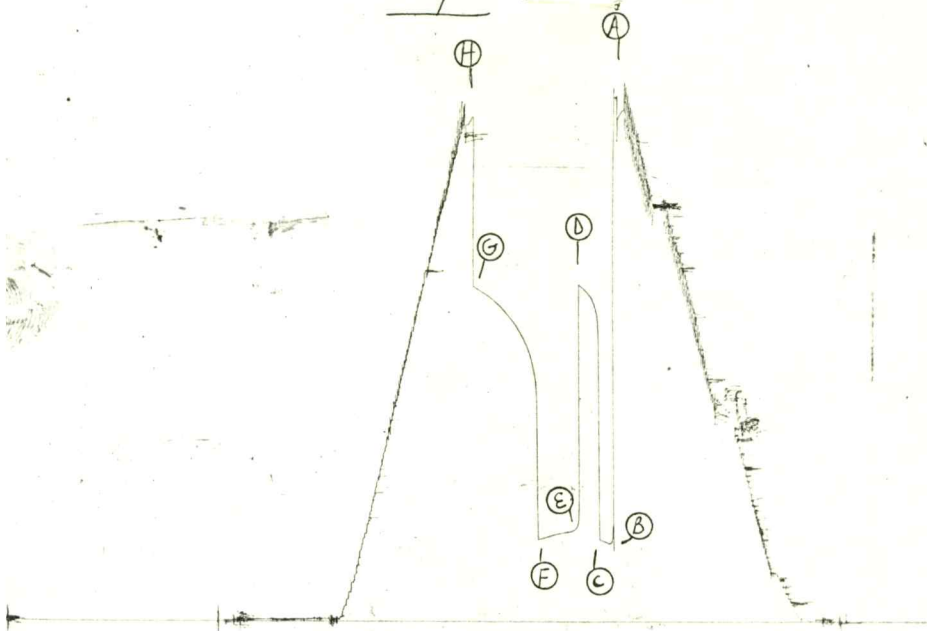
5	MERLA	1 1/2	26 PSIG	2319000 CFPD
10		"	36 PSIG	2916000 " "
15		"	36 PSIG	2916000 " "
20		"	38 PSIG	3036000 " "
25		"	36 PSIG	2916000 " "
30		"	36 PSIG	2916000 " "

GAS BOTTLE SN #: 631  
DATE BOTTLE FILLED: 5/1/84  
DATE TO BE INVOICED: 5/8/84

TKT # 18126

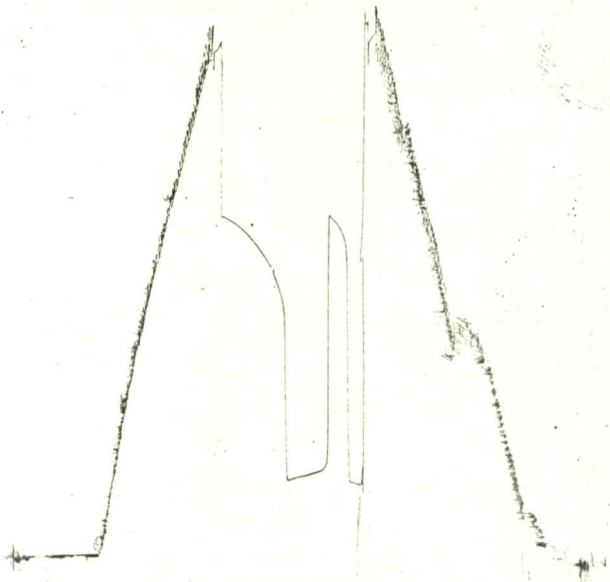
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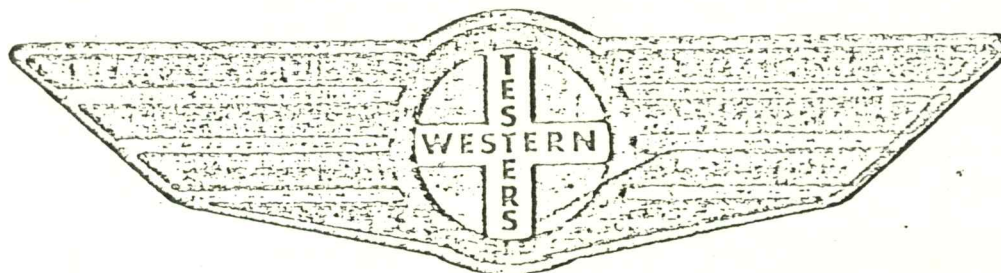
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company

W.L. KIRKMAN

Lease and Well No.

#1 CORDES

Sec.

2

Twp.

34S

Rge.

29W

Test No.

9

Date

5/1/84

WESTERN TESTING COMPANY INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 5/1/84  
CUSTOMER: W.L. KIRKMAN  
WELL: #1  
ELEVATION (KB): 0  
SECTION: 2  
RANGE: 29W  
GAUGE SN #1566

TEST: 9  
FORMATION: MARROW  
TOWNSHIP: 34S  
COUNTY: MEAD  
RANGE: 4300

TICKET #18127  
LEASE: CORDES  
GEOLOGIST: KISSICLE  
STATE: KANSAS  
CLOCK: 12

INTERVAL TEST FROM: 5769 FT TO: 5782 FT TOTAL DEPTH: 5782 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 5764 FT SIZE: 6 3/4 IN PACKER DEPTH: 5769 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN  
MUD TYPE: CHEM VISCOSITY: 55  
WEIGHT: 9.0 WATER LOSS (CC): 11.0  
CHLORIDES (P.P.M.): 9000  
JARS - MAKE: W.T.C. SERIAL NUMBER: 411  
DID WELL FLOW? REVERSED OUT?  
DRILL COLLAR LENGTH: 598 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 5146 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 O.D. IN  
ANCHOR LENGTH: 13 FT SIZE: 5 1/2 O.D. 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: WEAK BLOW OF 1/2" IN BUCKET.

RECOVERED: 90 FT OF: MUD; CHLORIDES 60000 P.P.M.  
RECOVERED: FT OF:  
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REMARKS:

TIME SET PACKER(S): 9:05 P.M. TIME STARTED OFF BOTTOM: 10:00 P.M.  
WELL TEMPERATURE: 120 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 2766 PSI  
INITIAL FLOW PERIOD MIN: 15 (B) 84 PSI TO (C) 63 PSI  
INITIAL CLOSED IN PERIOD MIN: 15 (D) 1375 PSI  
FINAL FLOW PERIOD MIN: 15 (E) 98 PSI TO (F) 77 PSI  
FINAL CLOSED IN PERIOD MIN: 18 (G) 1239 PSI  
FINAL HYDROSTATIC PRESSURE (H) 2743 PSI

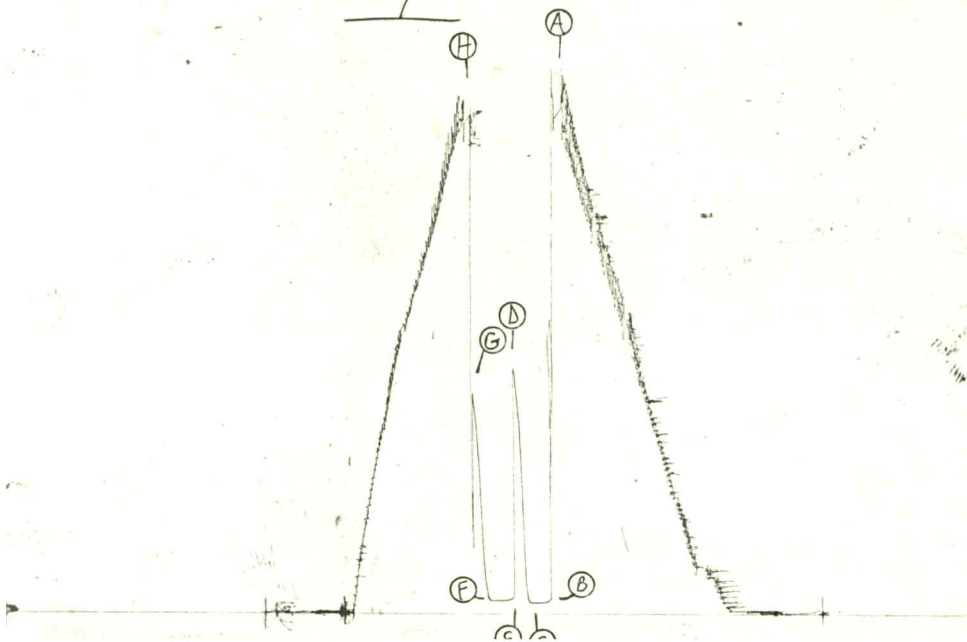




TKT # 18127

1566 18  
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TKT # 18127

2607 18  
18127

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