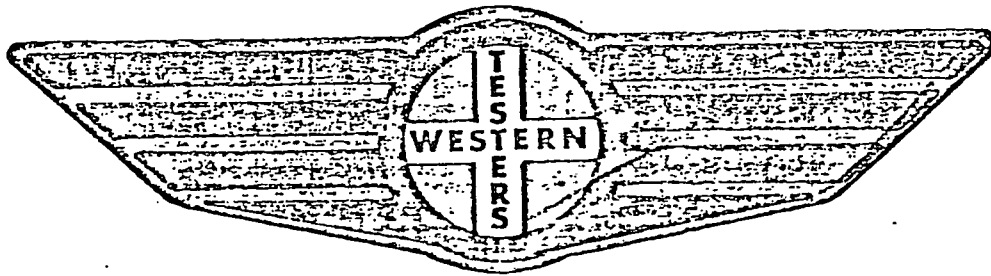


FORMATION

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 SHRIVER

Sec. 4

Twp. 30S Rge. 14W

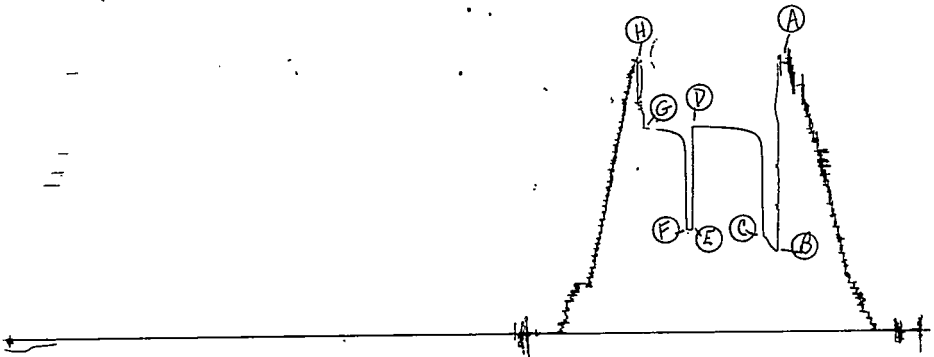
Test No. 1

Date 2/3/84

13402
PST #1

TKT # 4234

I



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/3/84
CUSTOMER: W.L. KIRKMAN INC.
WELL: 1 TEST: 1
ELEVATION (KB): 0 FORMATION: RED EAGLE
SECTION: 4 TOWNSHIP: 30S
RANGE: 14W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 2830 FT TO: 2860 FT TOTAL DEPTH: 2860 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2825 FT SIZE: 6 3/4 IN PAKER DEPTH: 2830 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG
MUD TYPE: CHEMICAL VISCOSITY: 32
WEIGHT: 9.3 WATER LOSS (CC):
CHLORIDES (P.P.M.): 40000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: 510 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2300 FT I.D.: 3.2 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 30 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.
GAS TO SURFACE IN 1 MINUTE.
SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

RECOVERED: 540 FT OF: WATER. CHLORIDES 100000 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:
RECOVERED: FT OF:

REMARKS: STARTED BLOWING MUD IN 6 MINUTES. STARTED
BLOWING WATER IN 12 MINUTES.
COULD NOT GAUGE GAS AFTER FIRST READING.

TIME SET PACKER(S): 3:58 PM TIME STARTED OFF BOTTOM: 5:35 PM
WELL TEMPERATURE: 106 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1368 PSI
INITIAL FLOW PERIOD MIN: 10 (B) 402 PSI TO (C) 476 PSI
INITIAL CLOSED IN PERIOD MIN: 51 (C) 1039 PSI
FINAL FLOW PERIOD MIN: 5 (E) 512 PSI TO (F) 512 PSI
FINAL CLOSED IN PERIOD MIN: 30 (G) 1034 PSI
FINAL HYDROSTATIC PRESSURE (H) 1368 PSI

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 2/3/84
CUSTOMER: W.L. KIRKMAN INC.
WELL: 1 TEST: 1
ELEVATION (KB): 0 FORMATION: RED EAGLE
SECTION: 4 TOWNSHIP: 30S
RANGE: 14W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

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

PRE FLOW

1	MERLA	1	15 PSIG	603000 CFPD
---	-------	---	---------	-------------

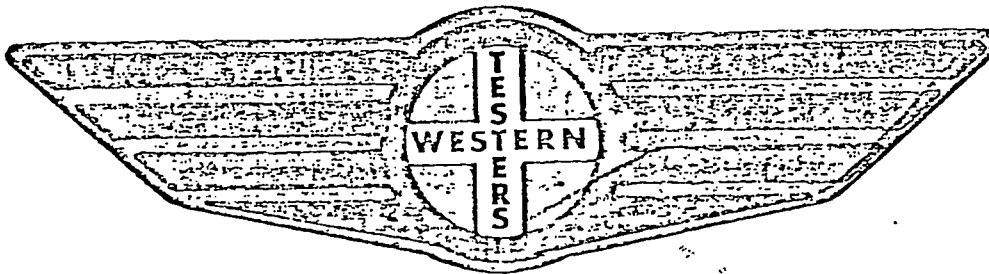
SECOND FLOW

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

FORMATION

TEST

REPORT



Home Office: Wichita, Kansas 67201

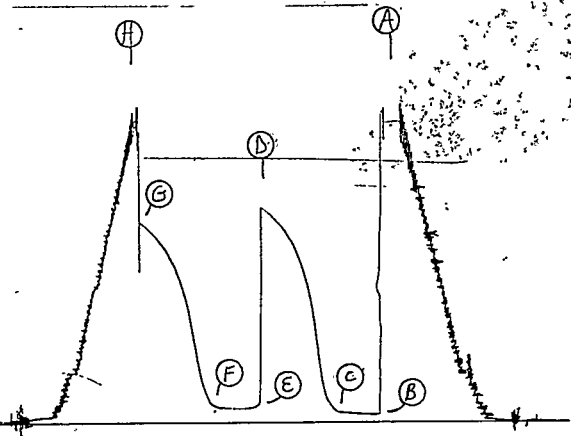
P.O. Box 1599 Phone (316) 262-5861

Company W L KIRKMAN, INC. Lease and Well No. #1 SHRIVER Sec. 4 Twp. 30S Rge. 14W Test No. 2 Date 2/4/84

13402
DST#2

TKT # 4235

I



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/4/84
CUSTOMER: W.L.KIRKMAN INC
WELL: 1 TEST: 2
ELEVATION (KB): 0 FORMATION: BERN
SECTION: 4 TOWNSHIP: 30S
RANGE: 14W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 3308 FT TO: 3336 FT TOTAL DEPTH: 3336 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3303 FT SIZE: 6 3/4 IN PAKER DEPTH: 3308 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDERBARAN #3
MUD TYPE: CHEM VISCOSITY: 36
WEIGHT: 9.2 WATER LOSS (CC): N/C
CHLORIDES (P.P.M.): 22000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 510 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2778 FT I.D.: 3.2 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 28 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 FH IN

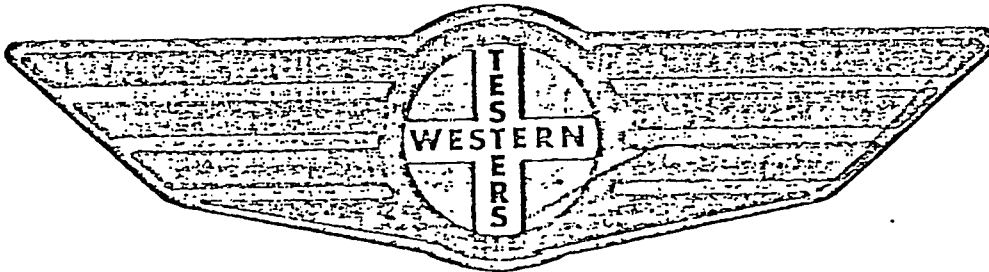
BLOW: INITIAL FLOW PERIOD VER WEAK SLOWLY
BUILDING TO WEAK BLOW. FINAL FLOW
PERIOD WEAK BLOW THROUGHOUT.

RECOVERED: 90 FT OF: MUD; FEW SPECKS OF OIL.
RECOVERED: FT OF:
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): 7:30 P.M. TIME STARTED OFF BOTTOM: 10:30 P.M.
WELL TEMPERATURE: 108 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1524 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 40 PSI TO (C) 52 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1090 PSI
FINAL FLOW PERIOD MIN: 30 (E) 70 PSI TO (F) 78 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1018 PSI
FINAL HYDROSTATIC PRESSURE (H) 1504 PSI

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 SHRIVER

Sec.

4

Twp.

30S

Rge.

14W

Test No.

3

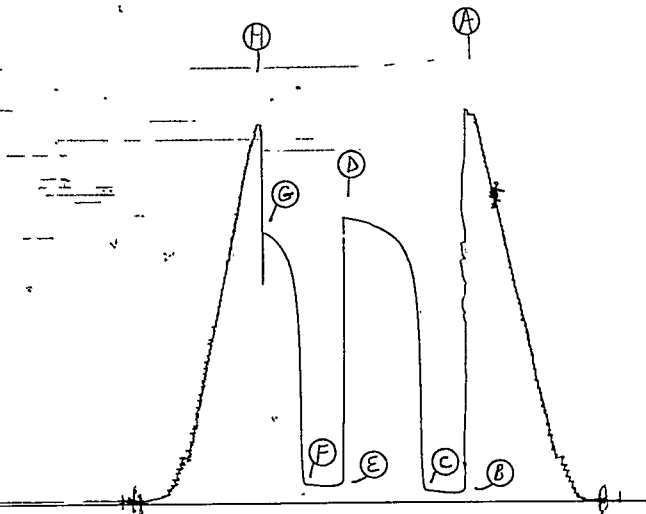
Date

2/6/84

13402
DST #3

TKT # 4236

I



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/6/84
CUSTOMER: W.L. KIRKMAN INC.
WELL: 1 TEST: 3
ELEVATION (KB): 0 FORMATION: LANSING
SECTION: 4 TOWNSHIP: 30S
RANGE: 14W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4077 FT TO: 4132 FT TOTAL DEPTH: 4132 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4072 FT SIZE: 6 3/4 IN Packer DEPTH: 4077 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN #3
MUD TYPE: CHEM VISCOSITY: 55
WEIGHT: 9.2 WATER LOSS (CC): N/A
CHLORIDES (P.P.M.): 11000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 480 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3577 FT I.D.: 3.2 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 25 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 FH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW SLOWLY
BUILDING TO FAIR. FINAL FLOW PERIOD
WEAK THROUGHOUT.

RECOVERED: 60 FT OF: MUD.
RECOVERED: 90 FT OF: MUDDY WATER.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

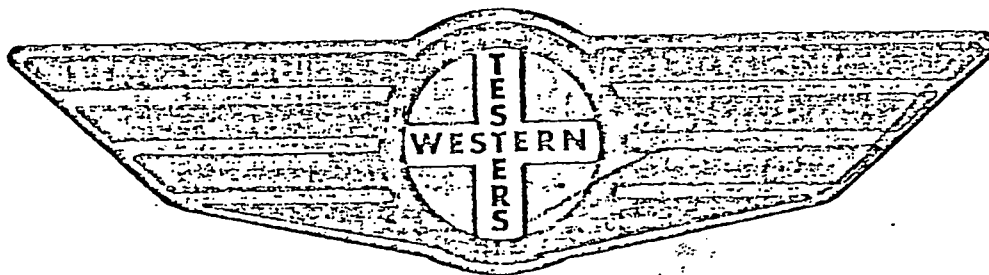
REMARKS: 30' OF DRILL COLLAR IN ANCHOR.

TIME SET PACKER(S): 12:45 P.M. TIME STARTED OFF BOTTOM: 3:15 P.M.
WELL TEMPERATURE: 116 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1970 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 49 PSI TO (C) 64 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1447 PSI
FINAL FLOW PERIOD MIN: 30 (E) 89 PSI TO (F) 99 PSI
FINAL CLOSED IN PERIOD MIN: 30 (G) 1373 PSI
FINAL HYDROSTATIC PRESSURE (H) 1926 PSI

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 SHRIVER

Sec.

4

Twp.

30S

Rge.

14W

Test No.

4

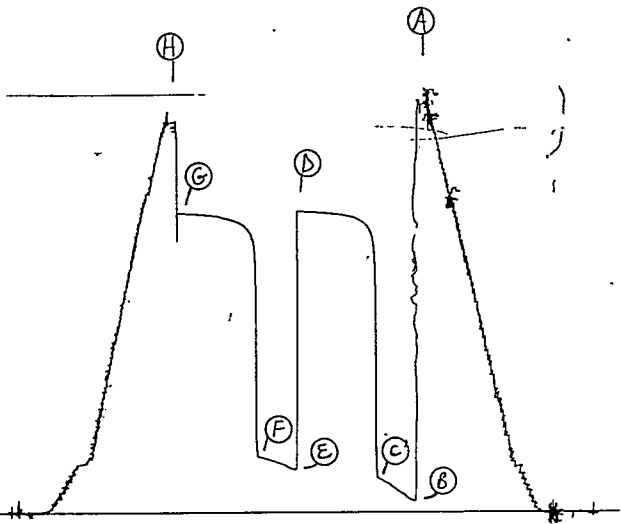
Date

2/7/84

13402
DST #4

FR.T. # 4237

I



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/7/84 TICKET #4237
 CUSTOMER: W.L. KIRKMAN INC. LEASE: SHRIVER
 WELL: 1 TEST: 4 GEOLOGIST: MOORE
 ELEVATION (KB): 0 FORMATION: LANSING
 SECTION: 4 TOWNSHIP: 30S
 RANGE: 14W COUNTY: BARBER STATE: KANSAS
 GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4195 FT TO: 4245 FT TOTAL DEPTH: 4245 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 4190 FT SIZE: 6 3/4 IN PACKER DEPTH: 4195 FT SIZE: 6 3/4 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN #3
 MUD TYPE: CHEM VISCOSITY: 55
 WEIGHT: 9.1 WATER LOSS (CC): N/A
 CHLORIDES (P.P.M.): 7000
 JARS - MAKE: SERIAL NUMBER:
 DID WELL FLOW? NO REVERSED OUT? NO
 DRILL COLLAR LENGTH: 480 FT I.D.: 2.25 IN
 WEIGHT PIPE LENGTH: FT I.D.: IN
 DRILL PIPE LENGTH: 3695 FT I.D.: 3.2 IN
 TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
 ANCHOR LENGTH: 20 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 FH IN

BLOW: WEAK BLOW SLOWLY BUILDING TO STRONG
ON BOTH FLOW PERIODS.

RECOVERED: 90 FT OF: MUD.
 RECOVERED: 480 FT OF: GASSY SALT WATER. CHLORIDES 66000 P.P.M.
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:

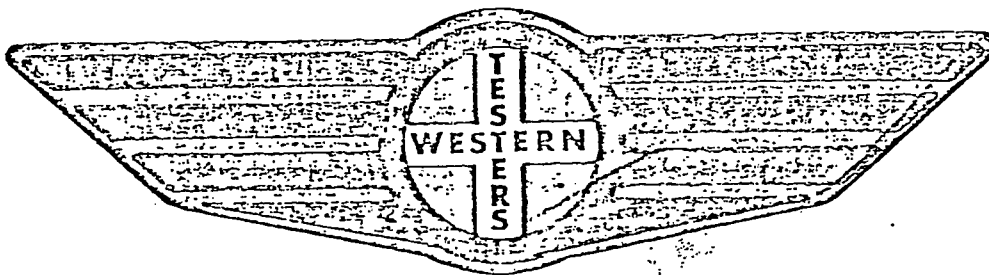
REMARKS: 30' OF DRILL COLLAR IN ANCHOR.

TIME SET PACKER(S): 5:12 A.M. TIME STARTED OFF BOTTOM: 8:12 A.M.
 WELL TEMPERATURE: 116 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 2072 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 59 PSI TO (C) 173 PSI
 INITIAL CLOSED IN PERIOD MIN: 60 (D) 1525 PSI
 FINAL FLOW PERIOD MIN: 30 (E) 220 PSI TO (F) 282 PSI
 FINAL CLOSED IN PERIOD MIN: 60 (G) 1515 PSI
 FINAL HYDROSTATIC PRESSURE (H) 1982 PSI

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 SHIVER

Sec. 4

Twp. 30S

Rge. 14W

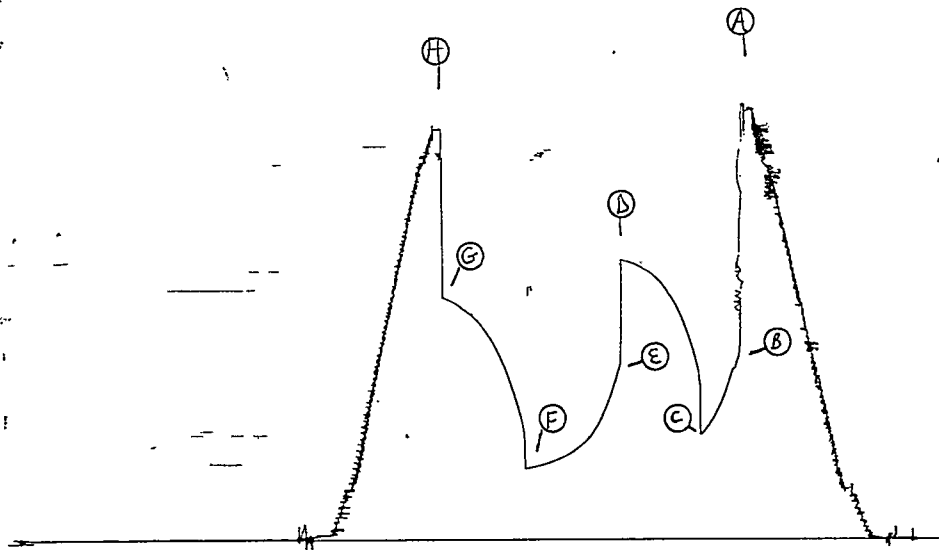
Test No. 5

Date 2/8/84

13402
DST#5

TKT # 4238

I



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/8/84
CUSTOMER: W.L. KIRKMAN INC.
WELL: 1 TEST: 5
ELEVATION (KB): 0 FORMATION: CONGLOMERATE
SECTION: 4 TOWNSHIP: 30S
RANGE: 14W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4470 FT TO: 4505 FT TOTAL DEPTH: 4505 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4470 FT SIZE: 6 3/4 IN PACKER DEPTH: 4465 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG
MUD TYPE: CHEMICAL VISCOSITY: 54
WEIGHT: 9.1 WATER LOSS (CC): 12.4
CHLORIDES (P.P.M.): 6000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 510 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3940 FT I.D.: 3.2 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 35 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.
GAS TO SURFACE IN 1 MINUTE.
SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

RECOVERED: FT OF: NO RECOVERY. GAS BLEW ALL THE MUD OUT.
RECOVERED: FT OF:
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): 11:15 AM TIME STARTED OFF BOTTOM: 2:55 PM
WELL TEMPERATURE: 120 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2179 PSI
INITIAL FLOW PERIOD MIN: 25 (B) 862 PSI TO (C) 521 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1408 PSI
FINAL FLOW PERIOD MIN: 70 (E) 873 PSI TO (F) 354 PSI
FINAL CLOSED IN PERIOD MIN: 63 (G) 1216 PSI
FINAL HYDROSTATIC PRESSURE (H) 2077 PSI

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 2/8/84
 CUSTOMER: W.L. KIRKMAN INC.
 WELL: 1
 ELEVATION (KB): 0
 SECTION: 4
 RANGE: 14W
 GAUGE SN #13402

TEST: 5
 COUNTY: BARBER
 RANGE: 4025

TICKET #4238
 LEASE: SHRIVER
 GEOLOGIST: MOORE
 FORMATION: CONGLOMERATE
 TOWNSHIP: 30S
 STATE: KANSAS
 CLOCK: 12

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

PRE FLOW

10	MERLA	1 1/2	100 PSIG	6737000 CFPD
20			92	6259000 CFPD
30			75	5245000 CFPD

SECOND FLOW

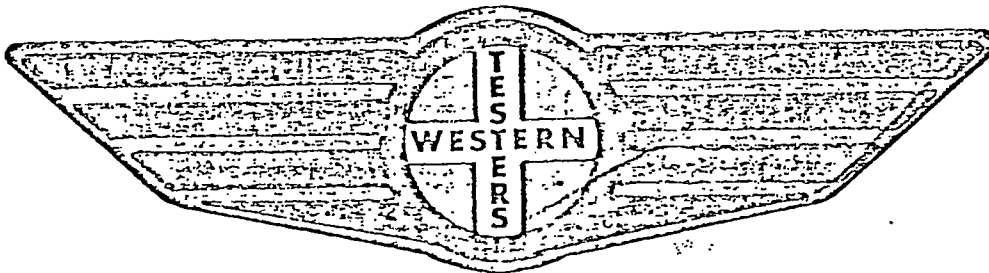
10	MERLA	1 1/2	94 PSIG	6379000 CFPD
20			80	5543000 CFPD
30			70	4946000 CFPD
40			62	4468000 CFPD
50			51	3811000 CFPD
60			51	3811000 CFPD
70			51	3811000 CFPD

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

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

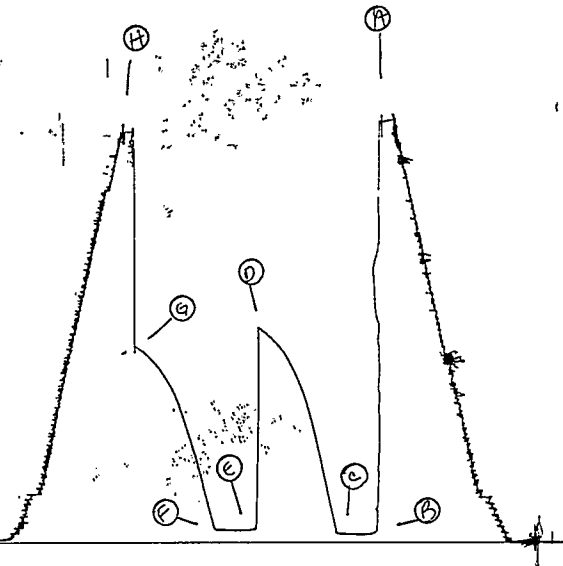
Phone (316) 262-5861

Company W.L. KIRMAN INC. Lease and Well No. #1 SHIVER Sec. 4 Twp. 30S Rge. 14W Test No. 6 Date 2/9/84

13402
DST #6

4239

I



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/9/84 TICKET #4239
CUSTOMER: W.L. KIRKMAN INC. LEASE: SHRIVER
WELL: 1 TEST: 6 GEOLOGIST: MOORE
ELEVATION (KB): 0 FORMATION: VIOLA
SECTION: 4 TOWNSHIP: 30S
RANGE: 14W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4519 FT TO: 4536 FT TOTAL DEPTH: 4536 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4514 FT SIZE: 6 3/4 IN PACKER DEPTH: 4519 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG
MUD TYPE: CHEMICAL VISCOSITY: 54
WEIGHT: 9.1 WATER LOSS (CC): 12.4
CHLORIDES (P.P.M.): 6000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT?
DRILL COLLAR LENGTH: 510 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3989 FT I.D.: 3.2 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 17 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.

RECOVERED: 3000 FT OF: GAS ABOVE FLUID.
RECOVERED: 120 FT OF: OIL CUT MUD.
RECOVERED: FT OF: 40% MUD; 10% WATER; 10% OIL; 40% GAS.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

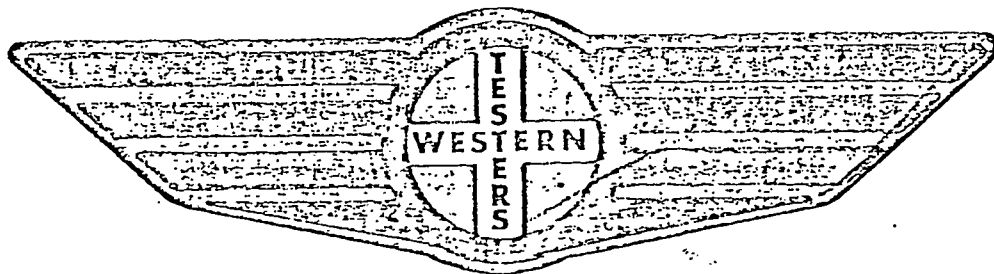
REMARKS:

TIME SET PACKER(S): 2:15 AM TIME STARTED OFF BOTTOM: 5:15 AM
WELL TEMPERATURE: 120 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2143 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 39 PSI TO (C) 44 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1090 PSI
FINAL FLOW PERIOD MIN: 30 (E) 60 PSI TO (F) 64 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 991 PSI
FINAL HYDROSTATIC PRESSURE (H) 2098 PSI

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 SHRIVER

Sec. 4

Twp. 30S

Rge.

14W Test No.

7

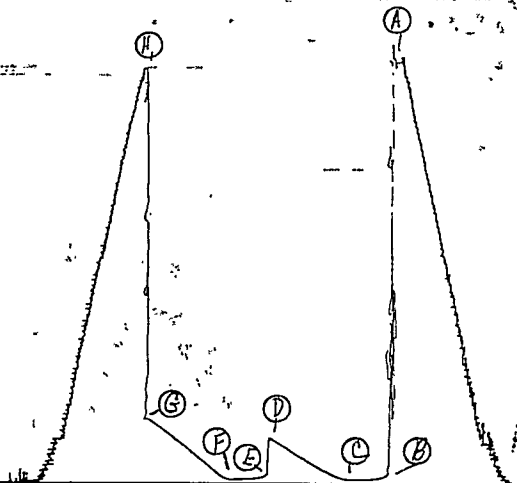
Date 2/9/84

13402

DST

TKT # 4240

I



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/9/84
 CUSTOMER: W.L. KIRKMAN INC.
 WELL: 1
 ELEVATION (KB): 0
 SECTION: 4
 RANGE: 14W
 GAUGE SN #13402

TEST: 7
 COUNTY: BARBER
 RANGE: 4025

TICKET #4240
 LEASE: SHRIVER
 GEOLOGIST: MOORE
 FORMATION: SIMPSON
 TOWNSHIP: 30S
 STATE: KANSAS
 CLOCK: 12

INTERVAL TEST FROM: 4547 FT TO: 4554 FT TOTAL DEPTH: 4554 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 4542 FT SIZE: 6 3/4 IN PACKER DEPTH: 4547 FT SIZE: 6 3/4 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG
 MUD TYPE: CHEMICAL VISCOSITY: 48
 WEIGHT: 8.8 WATER LOSS (CC): 12.4
 CHLORIDES (P.P.M.): 5500
 JARS - MAKE: SERIAL NUMBER:
 DID WELL FLOW? NO REVERSED OUT? NO
 DRILL COLLAR LENGTH: 510 FT I.D.: 2.2 IN
 WEIGHT PIPE LENGTH: FT I.D.: IN
 DRILL PIPE LENGTH: 4012 FT I.D.: 3.2 IN
 TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 OD IN
 ANCHOR LENGTH: 7 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 FH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW
 SLOWLY BUILDING TO FAIR BLOW
 FINAL FLOW PERIOD FAIR BLOW

RECOVERED: 30 FT OF: MUD SLIGHTLY GAS CUT. SCUM OF OIL.
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:

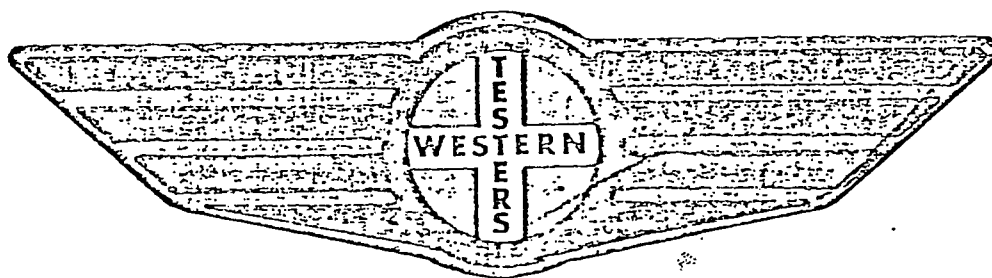
REMARKS:

TIME SET PACKER(S): 5:12 PM TIME STARTED OFF BOTTOM: 8:12 PM
 WELL TEMPERATURE: 120 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 2137 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 20 PSI TO (C) 20 PSI
 INITIAL CLOSED IN PERIOD MIN: 60 (D) 229 PSI
 FINAL FLOW PERIOD MIN: 30 (E) 22 PSI TO (F) 22 PSI
 FINAL CLOSED IN PERIOD MIN: 60 (G) 325 PSI
 FINAL HYDROSTATIC PRESSURE (H) 2106 PSI

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 SHRIVER

Sec. 4

Twp. 30S Rge.

14W Test No.

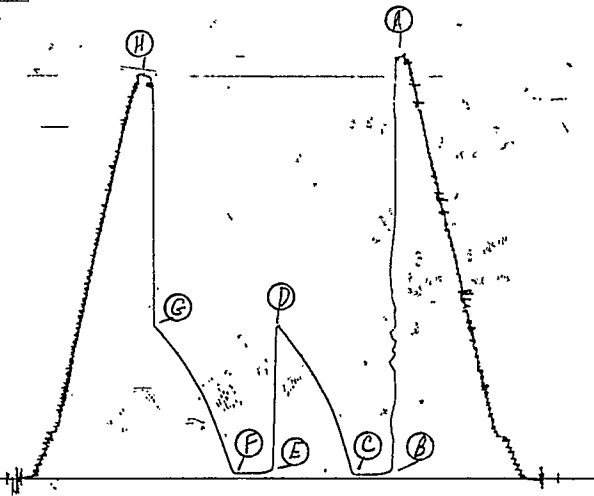
8

Date 2/10/84

13402
DST # 8

TKT # 4241

I



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/10/84
CUSTOMER: W.L. KIRKMAN INC.
WELL: 1 TEST: 8
ELEVATION (KB): 0 FORMATION: SIMPSON
SECTION: 4 TOWNSHIP: 30S
RANGE: 14W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4546 FT TO: 4557 FT TOTAL DEPTH: 4557 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4541 FT SIZE: 6 3/4 IN Packer DEPTH: 4546 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN #3
MUD TYPE: CHEM VISCOSITY: 49
WEIGHT: 9.7 WATER LOSS (CC): 12.4
CHLORIDES (P.P.M.): 6000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 510 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4016 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 11 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 FH IN

BLOW: STRONG THROUGHOUT BOTH FLOW PERIODS.

RECOVERED: 45 FT OF: GAS CUT MUD.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

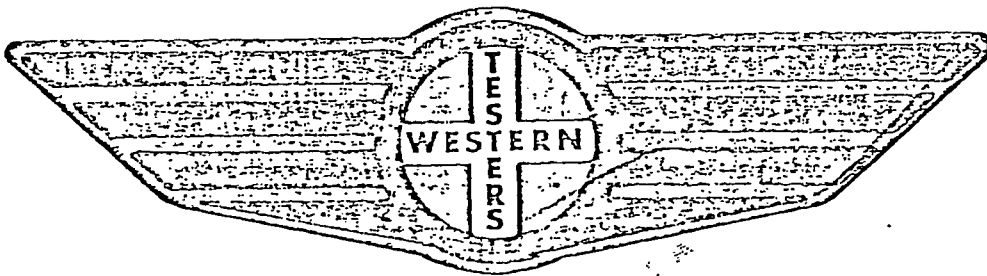
REMARKS:

TIME SET PACKER(S): 9:00 A.M. TIME STARTED OFF BOTTOM: 12:00 P.M.
WELL TEMPERATURE: 124 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2134 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 21 PSI TO (C) 22 PSI
INITIAL CLOSED IN PERIOD MIN: 57 (D) 763 PSI
FINAL FLOW PERIOD MIN: 30 (E) 28 PSI TO (F) 28 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 759 PSI
FINAL HYDROSTATIC PRESSURE (H) 2033 PSI

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 SHRIVER

Sec. 4

Twp. 30S Rge. 14W

Test No. 9

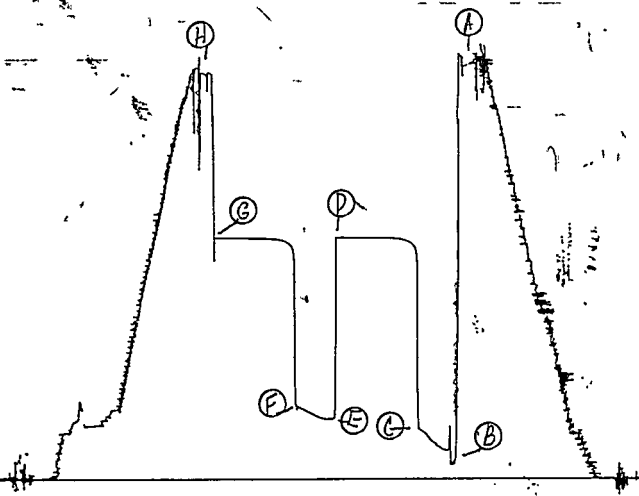
Date 2/10/84

13402

DST.#9

TKT # 4242

I



WESTERN TESTING CO. INC
SUBSURFACE PRESSURE SURVEY

DATE: 021084 TICKET #4242
 CUSTOMER: W.L. KIRKMAN INC. LEASE: SHRIVER
 WELL: #1 TEST: 9 GEOLOGIST: L. MOORE
 ELEVATION (KB): 0 FORMATION: SIMPSON
 SECTION: 4 TOWNSHIP: 30S
 RANGE: 14W COUNTY: BARBER STATE: KANSAS
 GAUGE SN #13402 RANGE: 4025 CLOCK:

INTERVAL TEST FROM: 4545 FT TO: 4559 FT TOTAL DEPTH: 4559 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 4540 FT SIZE: 6 3/4 IN PACKER DEPTH: 4545 FT SIZE: 6 3/4 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN #3
 MUD TYPE: CHEMICAL VISCOSITY: 49
 WEIGHT: 8.7 WATER LOSS (CC): 12.4
 CHLORIDES (P.P.M.): 6000
 JARS - MAKE: SERIAL NUMBER:
 DID WELL FLOW? NO REVERSED OUT? YES
 DRILL COLLAR LENGTH: 510 FT I.D.: 2.2 IN
 WEIGHT PIPE LENGTH: FT I.D.: IN
 DRILL PIPE LENGTH: 4015 FT I.D.: 3.2 IN
 TEST TOOL LENGTH: 20 FT TOOL SIZE: 5.50D IN
 ANCHOR LENGTH: 14 FT SIZE: 5.5 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"FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.

RECOVERED: 120 FT OF: MUD
 RECOVERED: 660 FT OF: WATER CHLORIDES 55000 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:

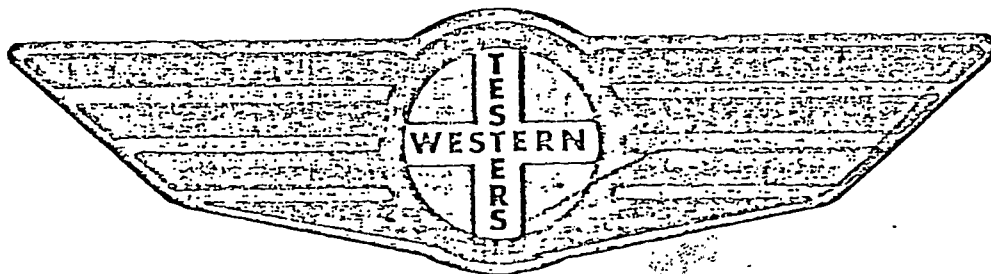
REMARKS: SLID TOOL 9' TO BOTTOM

TIME SET PACKER(S): 10:20PM TIME STARTED OFF BOTTOM: 1:20AM
 WELL TEMPERATURE: 124 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 2137 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 82 PSI TO (C) 249 PSI
 INITIAL CLOSED IN PERIOD MIN: 60 (D) 1214 PSI
 FINAL FLOW PERIOD MIN: 30 (E) 300 PSI TO (F) 367 PSI
 FINAL CLOSED IN PERIOD MIN: 60 (G) 1213 PSI
 FINAL HYDROSTATIC PRESSURE (H) 2080 PSI

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 SHRIVER

Sec. 4

Twp.

30S

Rge.

14W

Test No.

10

Date

2/11/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/11/84	TICKET #4243
CUSTOMER: W.L. KIRKMAN INC.	LEASE: SHRIVER
WELL: 1	GEOLOGIST: MOORE
ELEVATION (KB): 0	FORMATION: SIMPSON
SECTION: 4	TOWNSHIP: 30S
RANGE: 14W	COUNTY: BARBER
Gauge SN #13402	STATE: KANSAS
	RANGE: 4025
	CLOCK: 12

INTERVAL TEST FROM: 4592	FT	TO: 4629	FT	TOTAL DEPTH: 4629	FT
DEPTH OF SELECTIVE ZONE:					
PACKER DEPTH: 4587	FT	SIZE: 6 3/4	IN	PACKER DEPTH: 4592	FT
PACKER DEPTH:	FT	SIZE:	IN	PACKER DEPTH:	FT
				SIZE: 6 3/4	IN
				SIZE:	IN

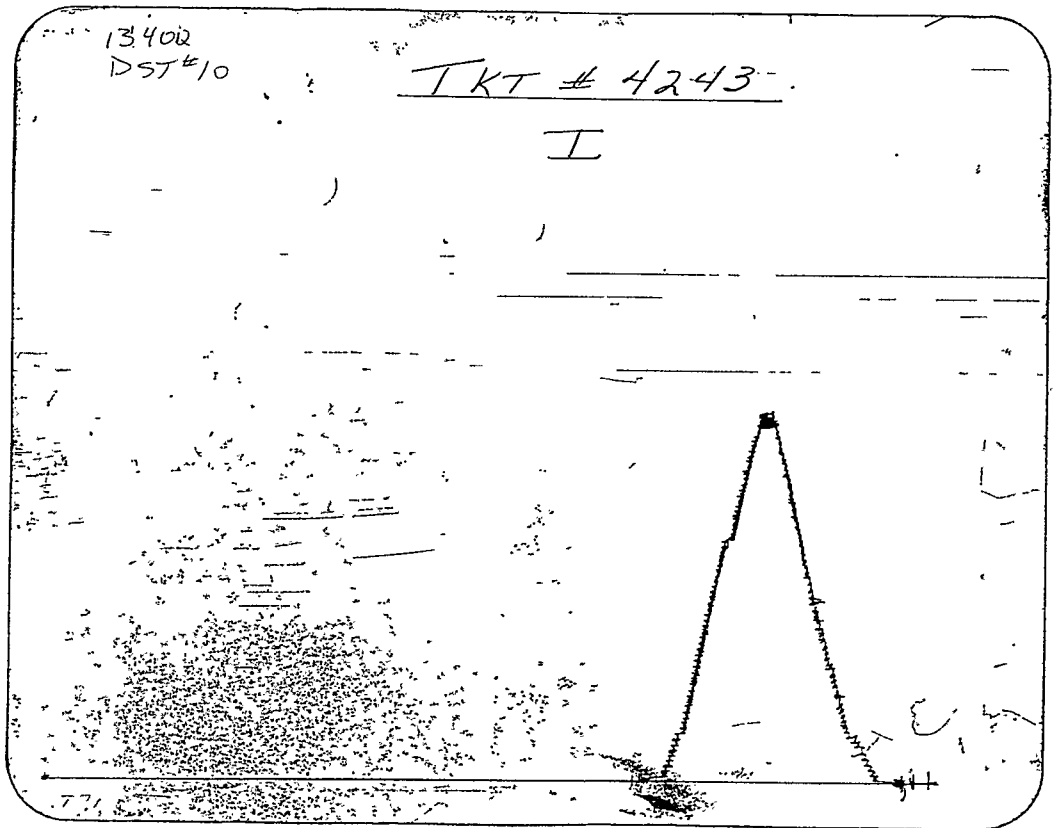
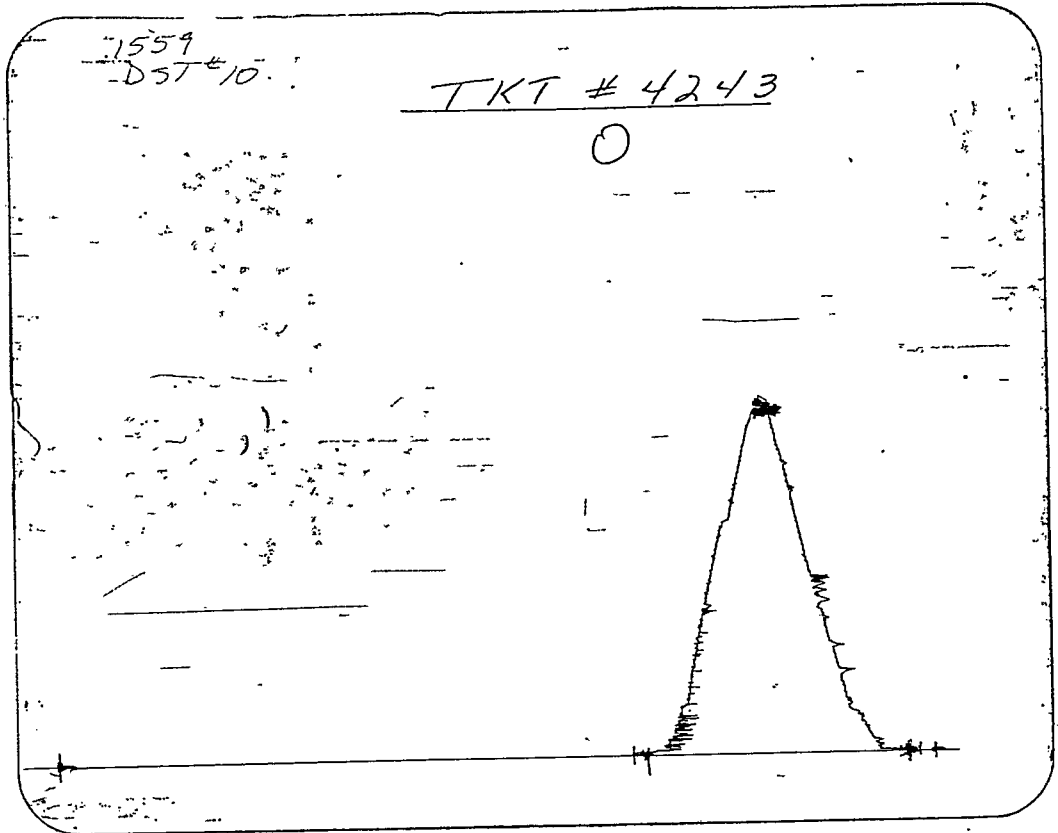
DRILLING CONTRACTOR: ALDEBARAN #3			
MUD TYPE: CHEM	VISCOSITY: 49		
WEIGHT: 8.7	WATER LOSS (CC): 12.4		
CHLORIDES (P.P.M.): 6000			
JARS - MAKE:	SERIAL NUMBER:		
DID WELL FLOW? NO	REVERSED OUT? NO		
DRILL COLLAR LENGTH: 510	FT	I.D.: 2.25	IN
WEIGHT PIPE LENGTH:	FT	I.D.:	IN
DRILL PIPE LENGTH: 4062	FT	I.D.: 3.2	IN
TEST TOOL LENGTH: 20	FT	TOOL SIZE: 5 1/2	O.D. IN
ANCHOR LENGTH: 37	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 FH	IN

BLOW:

RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
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: HIT BRIGDE 11 STANDS OFF BOTTOM.
COULD NOT GET THROUGH.

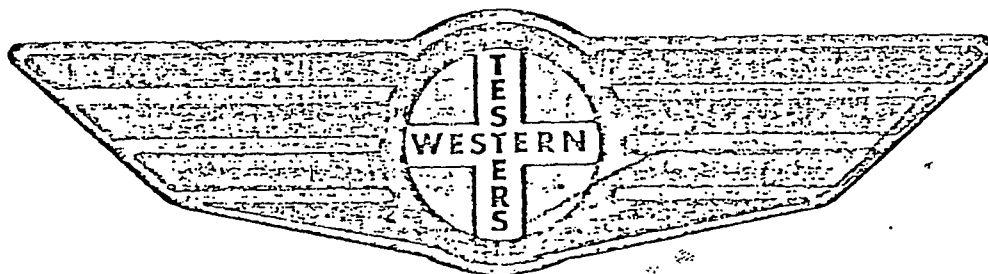
TIME SET PACKER(S):		TIME STARTED OFF BOTTOM:	
WELL TEMPERATURE: 0 °F			
INITIAL HYDROSTATIC PRESSURE:		(A)	PSI
INITIAL FLOW PERIOD	MIN: 0	(B) 0	PSI TO (C) 0
INITIAL CLOSED IN PERIOD	MIN: 0	(D) 0	PSI
FINAL FLOW PERIOD	MIN: 0	(E) 0	PSI TO (F) 0
FINAL CLOSED IN PERIOD	MIN: 0	(G) 0	PSI
FINAL HYDROSTATIC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



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 SHRIVER

Sec.

4

Twp. 30S

Rge. 14W

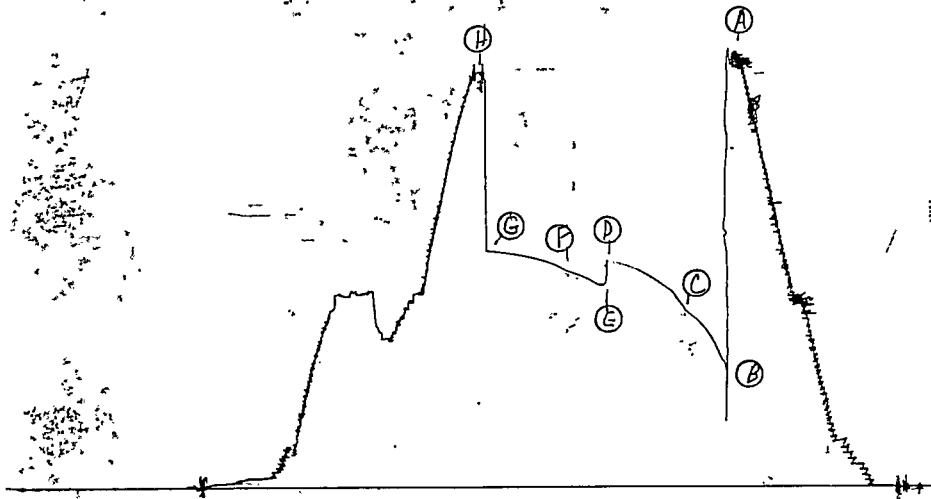
Test No.

11 Date 2/12/84

13402
DST # 11

TKT # 4244

I



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/12/84
CUSTOMER: W.L. KIRKMAN INC.
WELL: 1
ELEVATION (KB): 0
SECTION: 4
RANGE: 14W
GAUGE SN #13402

TEST: 11
FORMATION: SIMPSON
TOWNSHIP: 30S
COUNTY: BARBER
RANGE: 4025

TICKET #4244
LEASE: SHRIVER
GEOLOGIST: MOORE
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4592 FT TO: 4629 FT TOTAL DEPTH: 4629 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4587 FT SIZE: 6 3/4 IN PAKER DEPTH: 4592 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG
MUD TYPE: CHEMICAL VISCOSITY: 49
WEIGHT: 8.7 WATER LOSS (CC): 12.4
CHLORIDES (P.P.M.): 6000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? YES
DRILL COLLAR LENGTH: 510 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4062 FT I.D.: 3.2 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 37 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.

RECOVERED: 180 FT OF: SLIGHTLY OIL CUT MUD.
RECOVERED: 120 FT OF: SLIGHTLY OIL CUT MUDDY WATER.
RECOVERED: 1960 FT OF: SLIGHTLY OIL CUT WATER.
RECOVERED: FT OF: CHLORIDES 45000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 2:30 A.M. TIME STARTED OFF BOTTOM: 5:30 A.M.
WELL TEMPERATURE: 124 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2172 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 612 PSI TO (C) 891 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1152 PSI
FINAL FLOW PERIOD MIN: 30 (E) 1027 PSI TO (F) 1103 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1200 PSI
FINAL HYDROSTATIC PRESSURE (H) 2105 PSI

