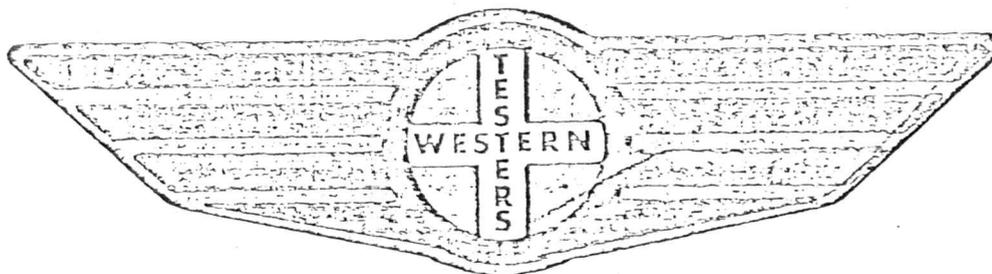


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company

KAN-EX, INC.

Lease and Well No.

#1-25 CATLIN

Sec. 25

Twp.

31S

Rge.

13W

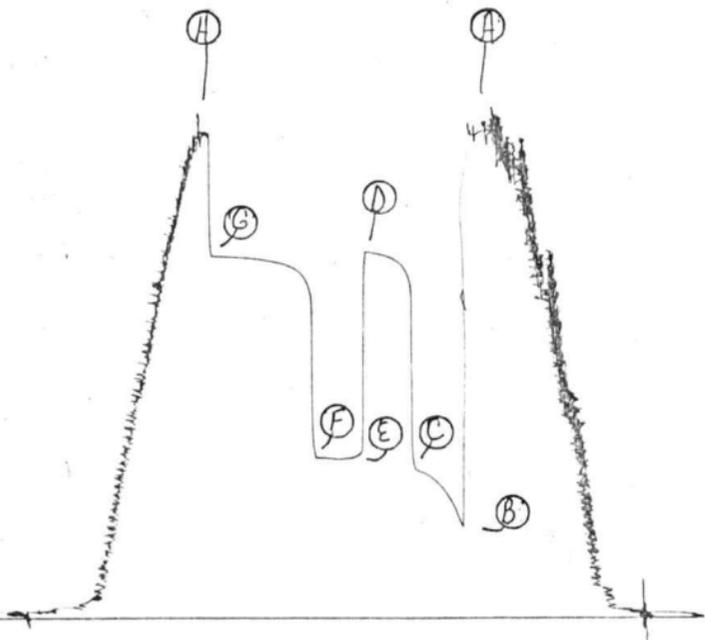
Test No. 1

Date

9/11/84

TKT # 6132

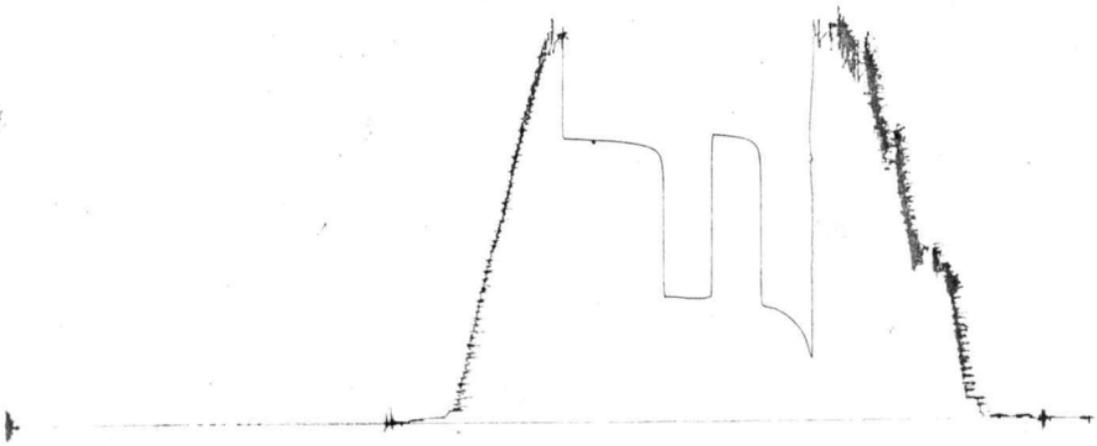
I



13553

TKT# 6132

0



6077

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9/11/84 TICKET #6132
CUSTOMER: KAN-EX INC. LEASE: CATLIN
WELL: 1-25 TEST: 1 GEOLOGIST: PAULSON
ELEVATION (KB): 1535 FORMATION: DOUGLAS SAND
SECTION: 25 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13553 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 3619 FT TO: 3639 FT TOTAL DEPTH: 3639 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3614 FT SIZE: 6 5/8 IN PACKER DEPTH: 3619 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B DRLG
MUD TYPE: STARCH VISCOSITY: 44
WEIGHT: 9.5 WATER LOSS (CC): 18.8
CHLORIDES (P.P.M.): 41000
JARS - MAKE: WTC SERIAL NUMBER: 422
DID WELL FLOW? MUD REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3592 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 27 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 20 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 2 MINUTES ON THE
INITIAL FLOW PERIOD. SEE ATTACHED
SHEET FOR GAS MEASUREMENTS.

RECOVERED: 70 FT OF: GAS CUT WATERY MUD.
RECOVERED: FT OF: 28% GAS; 62% WATER; 10% MUD.
RECOVERED: FT OF: CHLORIDES 66000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: WELL SPRAYED MUD AT 16 MINUTES
INTO FINAL FLOW PERIOD.

TIME SET PACKER(S): 3:35 PM TIME STARTED OFF BOTTOM: 6:05 PM
WELL TEMPERATURE: 0 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1936 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 362 PSI TO (C) 589 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 1450 PSI
FINAL FLOW PERIOD MIN: 30 (E) 628 PSI TO (F) 635 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1435 PSI
FINAL HYDROSTATIC PRESSURE (H) 1936 PSI

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 9/11/84
CUSTOMER: KAN-EX INC.
WELL: 1-25
ELEVATION (KB): 1535
SECTION: 25
RANGE: 13W
GAUGE SN #13553

TEST: 1

COUNTY: BARBER
RANGE: 4025

TICKET #6132
LEASE: CATLIN
GEOLOGIST: PAULSON
FORMATION: DOUGLAS SAND
TOWNSHIP: 31S
STATE: KANSAS
CLOCK: 12

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

PRE FLOW

10	WALTER REED	2	13 LBS	2630000 CFPD
20			18	3120000
30			20	3310000

SECOND FLOW

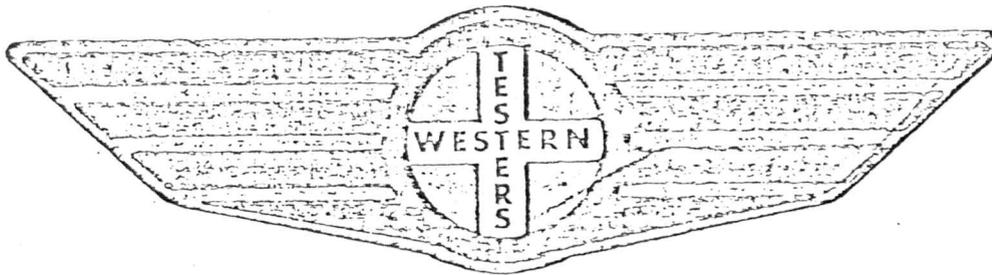
10	WALTER REED	2	23 LBS	3590000 CFPD
16				WELL WAS SPRAYING MUD. NO MORE
0				READINGS WERE TAKEN.

GAS BOTTLE SN #: 601
DATE BOTTLE FILLED: 9/11/84
DATE TO BE INVOICED:

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company

KAN-EX, INC.

Lease and Well No.

#1-25 CATLIN

Sec. 25

Typ. 31S

Rge.

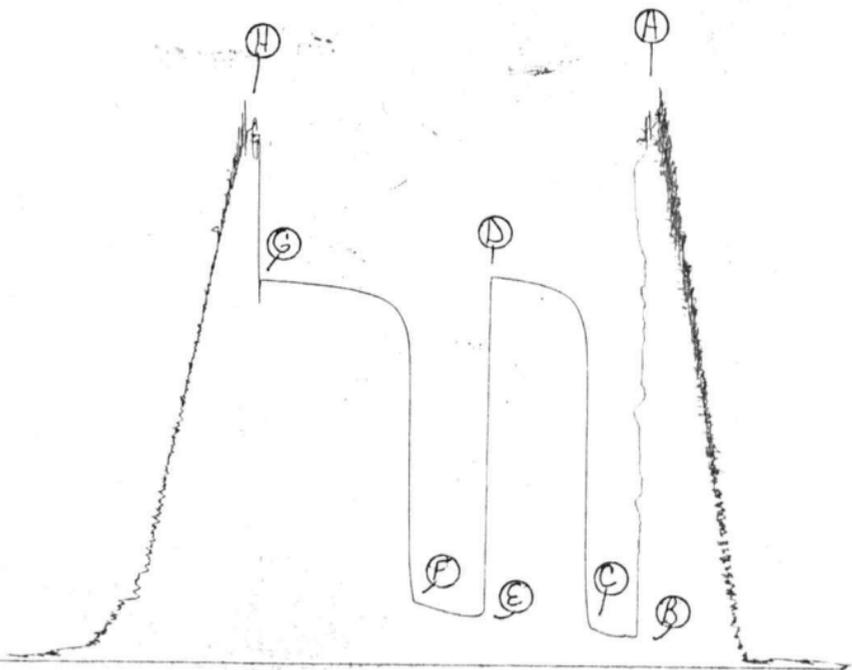
13W

Test No. 2

Date 9/13/84

TKT # 6133

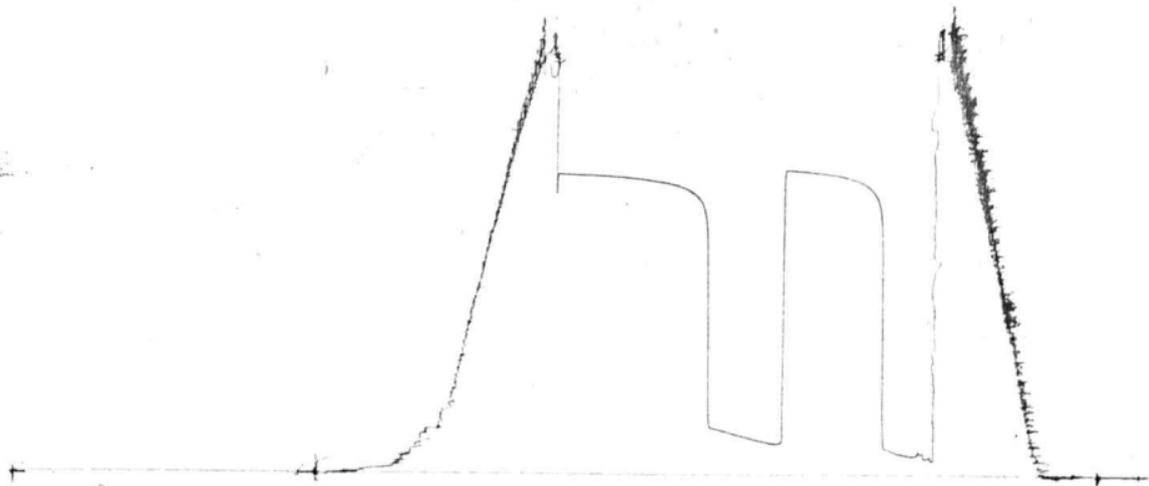
I



13553

TKT # 6133.

0



6077

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9/13/84
CUSTOMER: KAN-EX INC.
WELL: 1-25
ELEVATION (KB): 1535
SECTION: 25
RANGE: 13W
GAUGE SN #13553

TEST: 2
FORMATION: KANSAS CITY
TOWNSHIP: 31S
COUNTY: BARBER
RANGE: 4025

TICKET #6133
LEASE: CATLIN
GEOLOGIST: PAULSON
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4006 FT TO: 4070 FT TOTAL DEPTH: 4070 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4001 FT SIZE: 6 5/8 IN PACKER DEPTH: 4006 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B DRLG
MUD TYPE: STARCH
WEIGHT: 9.9
CHLORIDES (P.P.M.): 40000
JARS - MAKE: WTC
DID WELL FLOW? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3979 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 27 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 64 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

VISCOSITY: 42
WATER LOSS (CC): 14.4
SERIAL NUMBER: 422
REVERSED OUT? NO

BLOW: INITIAL FLOW PERIOD WEAK BLOW INCREASING TO A
STRONG BLOW. OFF BOTTOM OF BUCKET AT THE END
OF THE FLOW. FINAL FLOW PERIOD
FAIR 4 1/2" BLOW.

RECOVERED: 410 FT OF: SLIGHTLY GASSY MUDDY WATER.
RECOVERED: FT OF: CHLORIDES 81000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: PLUGGING ACTION OF THE INITIAL
FLOW PERIOD.

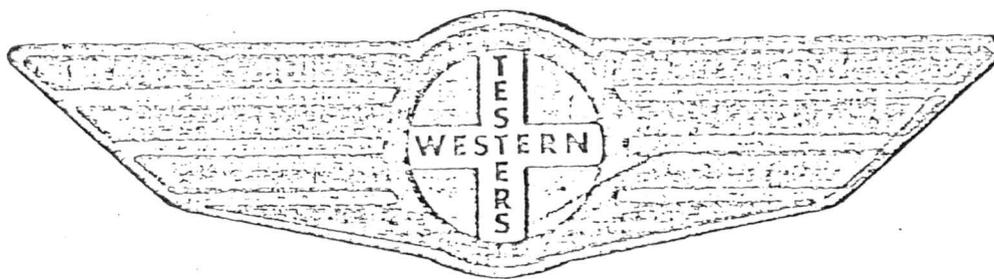
TIME SET PACKER(S): 6:15 PM
WELL TEMPERATURE: 125 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2188 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 117 PSI TO (C) 153 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1556 PSI
FINAL FLOW PERIOD MIN: 40 (E) 192 PSI TO (F) 249 PSI
FINAL CLOSED IN PERIOD MIN: 93 (G) 1535 PSI
FINAL HYDROSTATIC PRESSURE (H) 2148 PSI

TIME STARTED OFF BOTTOM: 10:00 PM

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

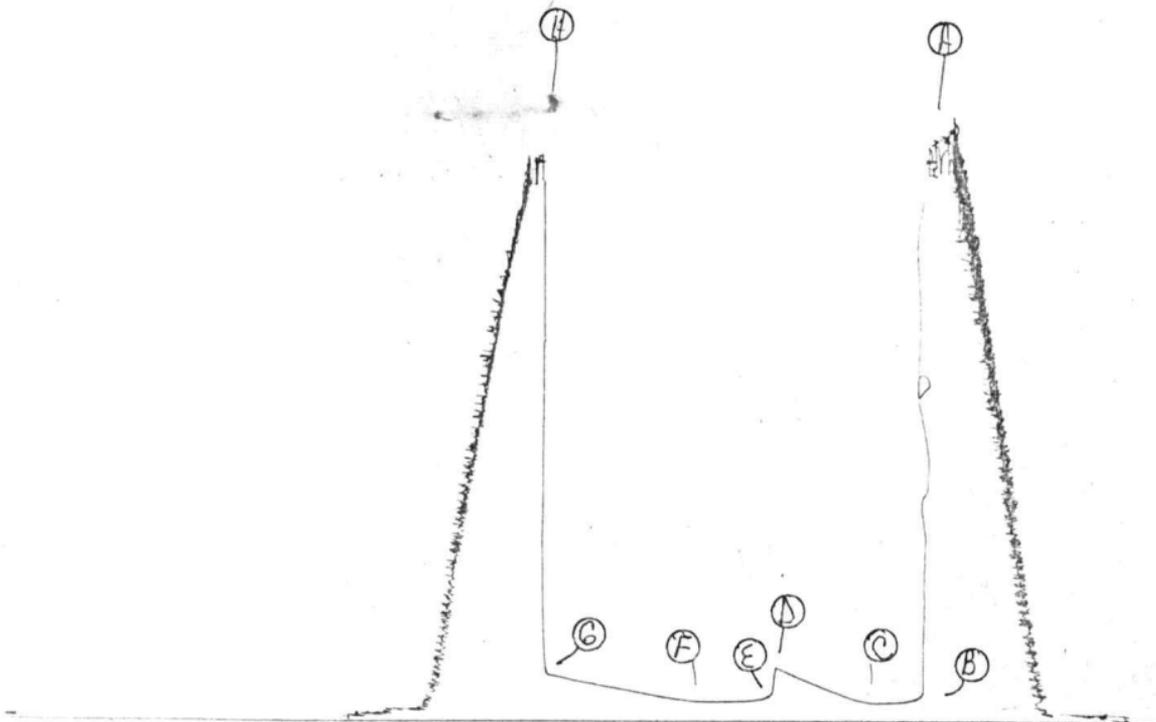
P.O. Box 1599

Phone (316) 262-5861

Company KAN-EX, INC. Lease and Well No. #1-25 CATLIN Sec. 25 Twp. 31S Rge. 13W Test No. 3 Date 9/14/84

TKT # 6134

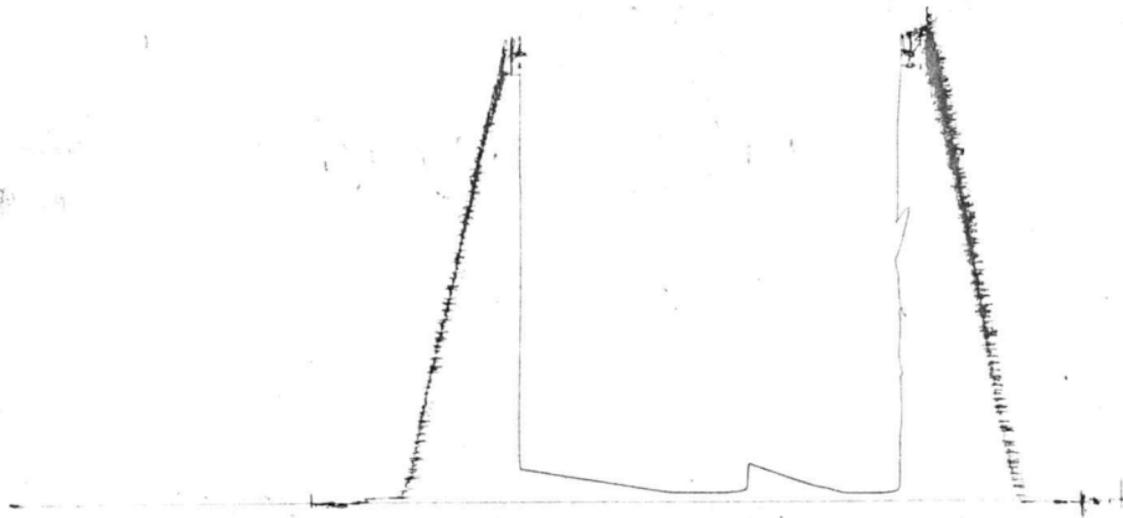
I



13553

TKT # 6134

0



6077

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9/14/84
CUSTOMER: KAN-EX INC.
WELL: 1-25
ELEVATION (KB): 1535
SECTION: 25
RANGE: 13W
GAUGE SN #13553

TEST: 3

COUNTY: BARBER
RANGE: 4025

TICKET #6134
LEASE: CATLIN
GEOLOGIST: PAULSON
FORMATION: MISSISSIPPI
TOWNSHIP: 31S
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4165 FT TO: 4192 FT TOTAL DEPTH: 4192 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4160 FT SIZE: 6 5/8 IN PAKER DEPTH: 4165 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B DRLG
MUD TYPE: STARCH VISCOSITY: 42
WEIGHT: 9.9 WATER LOSS (CC): 10.8
CHLORIDES (P.P.M.): 42000
JARS - MAKE: WTC SERIAL NUMBER: 422
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4138 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 27 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 27 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: INITIAL FLOW PERIOD WEAK BLOW INCREASED
TO 8 1/2" BLOW AT THE END OF FLOW.
FINAL FLOW PERIOD STRONG BLOW.
OFF BOTTOM OF BUCKET IN 3 MINUTES.

RECOVERED: 248 FT OF: GAS ABOVE FLUID.
RECOVERED: 62 FT OF: SLIGHTLY OIL & GAS CUT MUD.
RECOVERED: FT OF: 11% GAS; 9% OIL; 80% MUD.
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 8:45 PM TIME STARTED OFF BOTTOM: 12:30 AM
WELL TEMPERATURE: 126 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2248 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 69 PSI TO (C) 69 PSI
INITIAL CLOSED IN PERIOD MIN: 57 (D) 209 PSI
FINAL FLOW PERIOD MIN: 45 (E) 77 PSI TO (F) 77 PSI
FINAL CLOSED IN PERIOD MIN: 87 (G) 185 PSI
FINAL HYDROSTATIC PRESSURE (H) 2248 PSI

