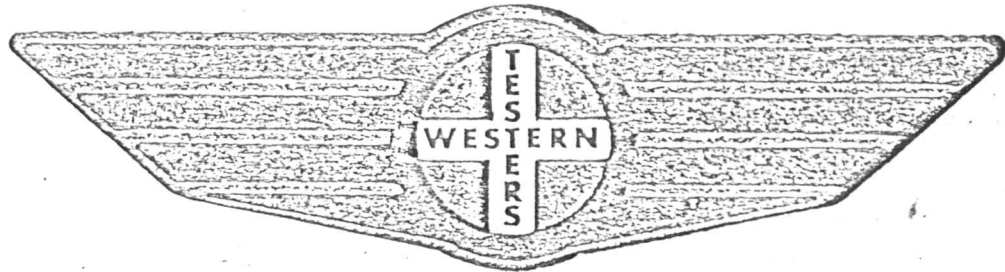


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9-30-85
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 1 TEST: 1
ELEVATION (KB): 1419 FORMATION: MISSISSIPPI
SECTION: 31 TOWNSHIP: 28S
RANGE: 5W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #3086 RANGE: 4500 CLOCK: 12

INTERVAL TEST FROM: 3877 FT TO: 3901 FT TOTAL DEPTH: 3901 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3872 FT SIZE: 6 5/8 IN PACKER DEPTH: 3877 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLG. #10
MUD TYPE: POLYMER VISCOSITY: 50
WEIGHT: 9.3 WATER LOSS (CC): 12.2
CHLORIDES (P.P.M.): 14000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: 180 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3676 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 24 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 17 MINUTES
ON INITIAL FLOW PERIOD.
SEE ATTACHED GAS FLOW REPORT.

RECOVERED: 60 FT OF: GAS CUT WATERY MUD.
RECOVERED: 120 FT OF: MUDDY WATER.
RECOVERED: 120 FT OF: GASSY SALT WATER.
RECOVERED: FT OF: CHLORIDES 65000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 7:15 PM TIME STARTED OFF BOTTOM: 11:30 PM
WELL TEMPERATURE: 123 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1975 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 81 PSI TO (C) 81 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1097 PSI
FINAL FLOW PERIOD MIN: 85 (E) 98 PSI TO (F) 99 PSI
FINAL CLOSED IN PERIOD MIN: 90 (G) 1102 PSI
FINAL HYDROSTATIC PRESSURE (H) 1854 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 9-30-85

CUSTOMER: PICKRELL DRILLING COMPANY

GEOLOGIST: B. KLAVER

TOWNSHIP: 28S

STATE: KANSAS

CLOCK: 12

OPEN TOOL: 7:15 PM

	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]

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 9-30-85

CUSTOMER: PICKRELL DRILLING COMPANY

WELL: 1

TEST: 1

ELEVATION (KB): 1419

FORMATION: MISSISSIPPI

SECTION: 31

TOWNSHIP: 28S

RANGE: 5W

COUNTY: KINGMAN

STATE: KANSAS

GAUGE SN #3086

RANGE: 4500

CLOCK: 12

TICKET #10951

LEASE: KOSTNER "W"

GEOLOGIST: B. KLAVER

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

17				GAS TO SURFACE.
20	MERLA	3/4 IN.	15 PSIG	55200 CFPD
30			22	66600

SECOND FLOW

5	MERLA	1 IN.	18 PSIG	110000 CFPD
10			15	101000
20			15	101000
30			17	106000
40			17	106000
50			19	113000
70			22	121000
80			22	121000
90			22	121000

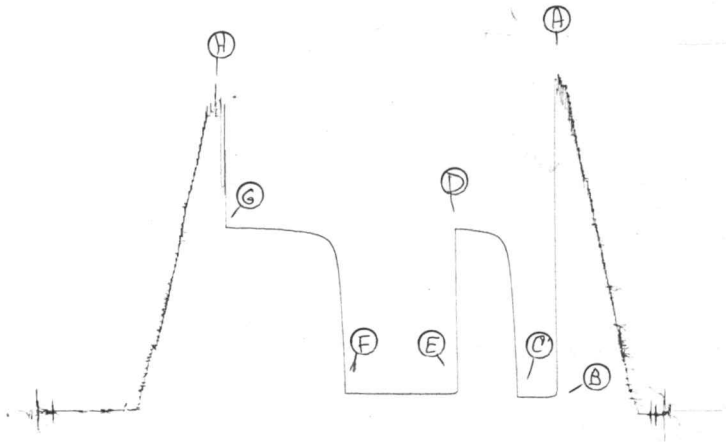
GAS BOTTLE SN #:

DATE BOTTLE FILLED:

DATE TO BE INVOICED:

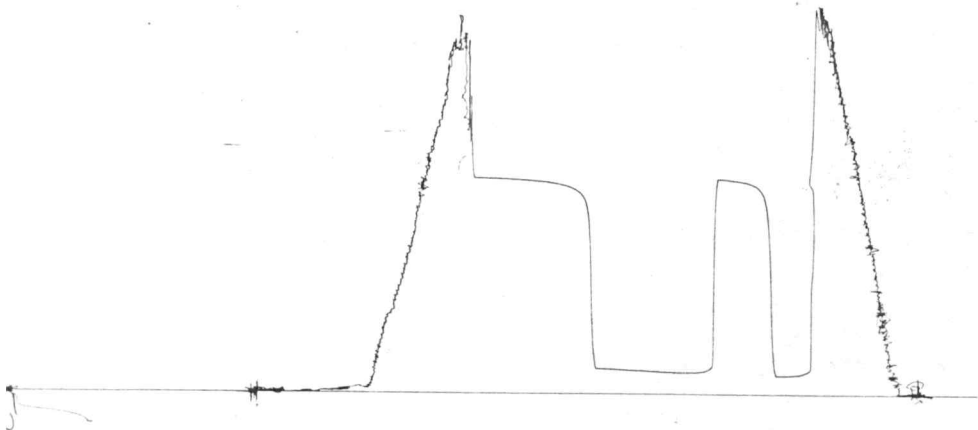
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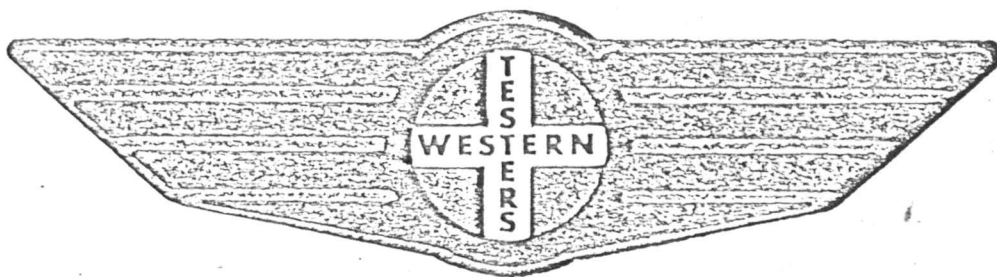
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FORMATION

TEST

REPORT



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Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 10-1-85
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 1 TEST: 2
ELEVATION (KB): 1419 FORMATION: MISSISSIPPI
SECTION: 31 TOWNSHIP: 28S
RANGE: 5W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #3086 RANGE: 4500 CLOCK: 12

INTERVAL TEST FROM: 3896 FT TO: 3911 FT TOTAL DEPTH: 3911 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3891 FT SIZE: 6 5/8 IN PACKER DEPTH: 3896 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLG. #10
MUD TYPE: DRISPA VISCOSITY: 51
WEIGHT: 9.4 WATER LOSS (CC): 14.4
CHLORIDES (P.P.M.): 17000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: 180 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3695 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 15 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 50 MINUTES.
ON FINAL FLOW PERIOD.
SEE ATTACHED GAS FLOW REPORT.

RECOVERED: 65 FT OF: GAS CUT MUD.
RECOVERED: 120 FT OF: GAS CUT MUDDY WATER.
RECOVERED: 180 FT OF: GAS CUT SALT WATER.
RECOVERED: FT OF: CHLORIDES 70000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 10:15 AM
WELL TEMPERATURE: 124 °F
INITIAL HYDROSTATIC PRESSURE:
INITIAL FLOW PERIOD MIN: 30
INITIAL CLOSED IN PERIOD MIN: 45
FINAL FLOW PERIOD MIN: 85
FINAL CLOSED IN PERIOD MIN: 90
FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM: 2:30 PM
(A) 1995 PSI
(B) 101 PSI TO (C) 102 PSI
(D) 1099 PSI
(E) 137 PSI TO (F) 175 PSI
(G) 1101 PSI
(H) 1942 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

TICKET #10952

LEASE: KOSTNER "W"

TEST: 2

GEOLOGIST: B. KLAVER

FORMATION: MISSISSIPPI

TOWNSHIP: 28S

COUNTY: KINGMAN

STATE: KANSAS

RANGE: 4500

CLOCK: 12

PSI

PSI

PSI

PSI

PSI

PSI

PSI

PSI

'F

124 'F

TIME - GIVEN TIME - ACTUAL

30 MIN 30 MIN

45 MIN 45 MIN

90 MIN 85 MIN

90 MIN 90 MIN

PRESSURE BREAKDOWN

[illegible]

PRESSURE BREAKDOWN - CONT. TICKET #10952

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	1101
32								
33								
34								
35								
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WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 10-1-85
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 1 TEST: 2
ELEVATION (KB): 1419
SECTION: 31
RANGE: 5W
GAUGE SN #3086

COUNTY: KINGMAN
RANGE: 4500

TICKET #10952
LEASE: KOSTNER "W"
GEOLOGIST: B. KLAVER
FORMATION: MISSISSIPPI
TOWNSHIP: 28S
STATE: KANSAS
CLOCK: 12

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

SECOND FLOW

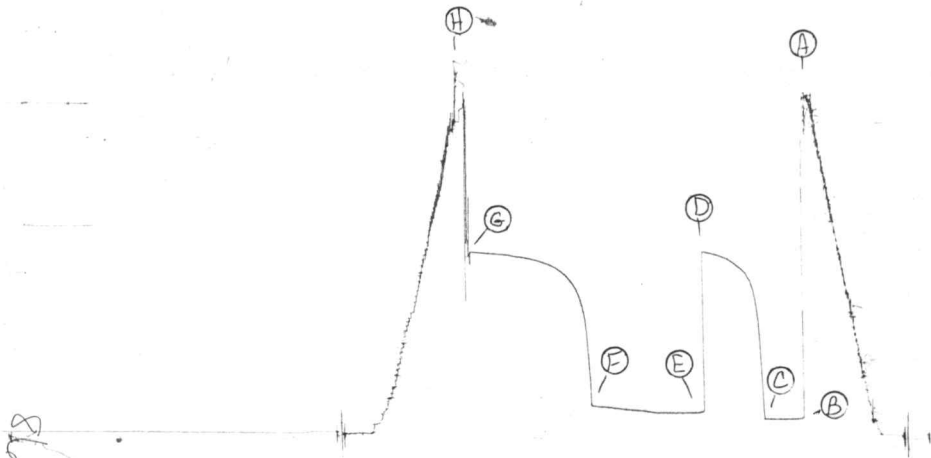
50				GAS TO SURFACE.
55	MERLA	1/4 IN.	5 PSIG	3710 CFPD
60			8	4760
70			8	4760
80			9	5050
90			9	5050

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

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