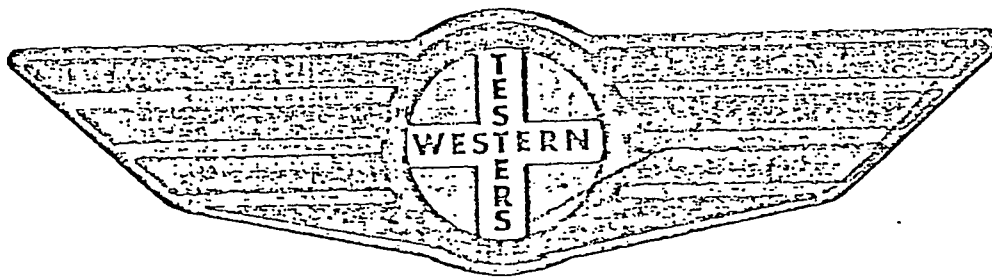


FORMATION

TEST

REPORT



Home Office:-

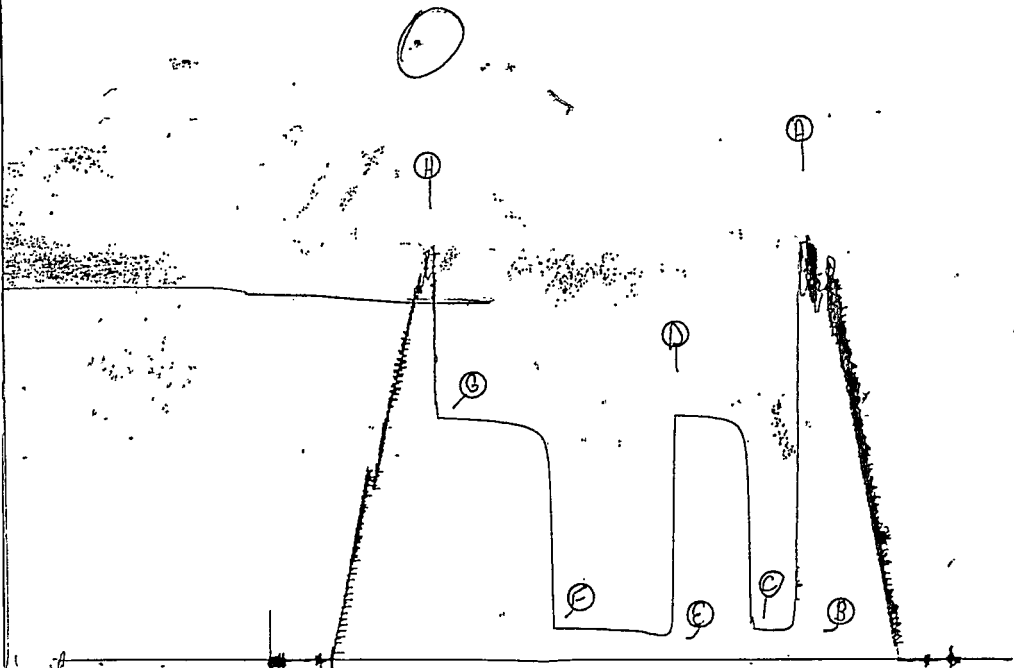
P.O. Box 1599

Wichita, Kansas 67201

Phone (316) 262-5861

TKT# 4216

13551



WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/14/84
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: #6 TEST: 1
ELEVATION (KB): 1573 FORMATION: MISSISSIPPI
SECTION: 29 TOWNSHIP: 31S
RANGE: 8W COUNTY: HARPER STATE: KANSAS
GAUGE SN #13551 RANGE: 4150 CLOCK: 12

TICKET #4216

LEASE: BROCE UNIT "A-B"

GEOLOGIST: FRANK

INTERVAL TEST FROM: 4306 FT TO: 4364 FT TOTAL DEPTH: 4364 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4301 FT SIZE: 6 3/4 IN PACKER DEPTH: 4306 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CO TOOLS

MUD TYPE: DRISPAK

VISCOSITY: 48

WEIGHT: 9.1

WATER LOSS (CC): 9.6

CHLORIDES (P.P.M.): 8000

JARS - MAKE:

SERIAL NUMBER:

DID WELL FLOW? NO

REVERSED OUT? NO

DRILL COLLAR LENGTH: 150

FT I.D.: 2.25 IN

WEIGHT PIPE LENGTH:

FT I.D.: IN

DRILL PIPE LENGTH: 4136

FT I.D.: 3.8 IN

TEST TOOL LENGTH: 20

FT TOOL SIZE: 5 1/2 O.D. IN

ANCHOR LENGTH: 58

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: INITIAL FLOW PERIOD VERY STRONG BLOW
GAS TO SURFACE IN 3 MINUTES.
FINAL FLOW PERIOD STRONG BLOW GAS
TO SURFACE IN 10 MINUTES.

RECOVERED: 180 FT OF: VERY GASSY DRLG. 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: READ OUTSIDE CHART.

TIME SET PACKER(S): 1:25 A.M.

TIME STARTED OFF BOTTOM: 5:55 A.M.

WELL TEMPERATURE: 118 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 2216 PSI

INITIAL FLOW PERIOD MIN: 30

(B) 155 PSI TO (C) 161 PSI

INITIAL CLOSED IN PERIOD MIN: 60

(D) 1290 PSI

FINAL FLOW PERIOD MIN: 90

(E) 126 PSI TO (F) 162 PSI

FINAL CLOSED IN PERIOD MIN: 87

(G) 1276 PSI

FINAL HYDROSTATIC PRESSURE

(H) 2158 PSI

WESTERN TESTING COMPANY, INC.
GAS FLOW REPORT

DATE: 6/14/84
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: #6
ELEVATION (KB): 1573
SECTION: 29
RANGE: 8W
GAUGE SN #13551

TEST: 1
FORMATION: MISSISSIPPI
TOWNSHIP: 31S
COUNTY: HARPER
RANGE: 4150

TICKET #4216
LEASE: BROCE UNIT "A-B"
GEOLOGIST: FRANK
STATE: KANSAS
CLOCK: 12

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

PRE FLOW

10	MERLA	1/2	12 PSIG	129000 CFPD
20			37 PSIG	270000 " "
30			38 PSIG	275000 " "

SECOND FLOW

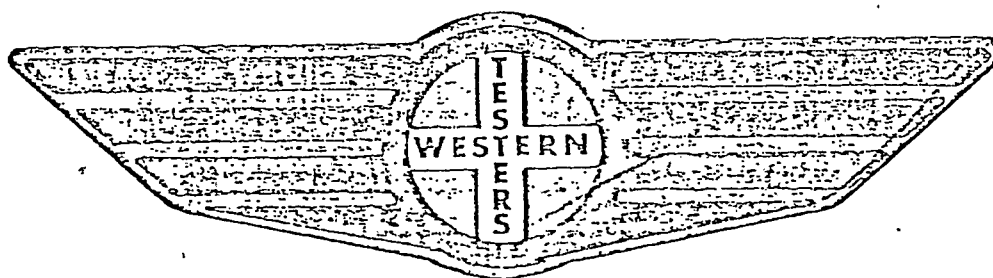
10	MERLA	1/2	42 PSIG	296000 CFPD
20			50 PSIG	337000 " "
30			49 PSIG	331000 " "
40			49 PSIG	331000 " "
50			49 PSIG	331000 " "
60			49 PSIG	331000 " "
70			49 PSIG	331000 " "
80			49 PSIG	331000 " "
90			49 PSIG	331000 " "

GAS BOTTLE SN #: 17463
DATE BOTTLE FILLED: 6/15/84
DATE TO BE INVOICED: 6/18/84

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

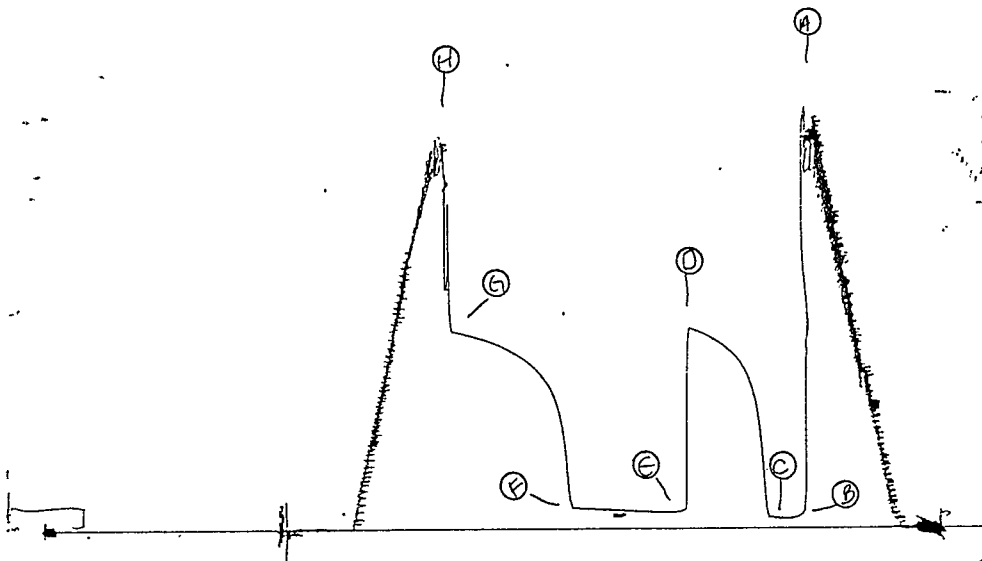
Phone (316) 262-5861

Company PICKRELL DRILLING COMPANY Lease and Well No. #6 "A-B" BROCKE UNIT Sec. 29 Twp. 31S Rge. 8W Test No. 2 Date 6/15/84

TCK# 4217

13221

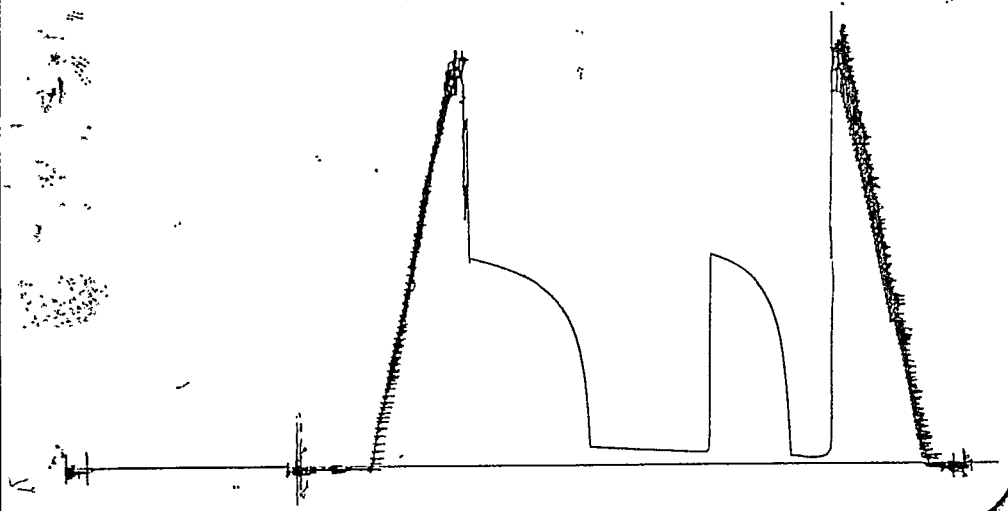
I



IC# 4217

13551

0



WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/15/84
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: #6 TEST: 2
ELEVATION (KB): 1573 FORMATION: MISSISSIPPI
SECTION: 29 TOWNSHIP: 31S
RANGE: 8W COUNTY: HARPER STATE: KANSAS
GAUGE SN #13221 RANGE: 4450 CLOCK: 12

INTERVAL TEST FROM: 4364 FT TO: 4374 FT TOTAL DEPTH: 4374 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4359 FT SIZE: 6 3/4 IN PACKER DEPTH: 4364 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CO TOOLS
MUD TYPE: DRISPAC VISCOSITY: 48
WEIGHT: 9.1 WATER LOSS (CC): 9.6
CHLORIDES (P.P.M.): 8000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 180 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4164 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 10 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: STRONG GAS TO SURFACE IN 9 MINUTES.
SEE FLOW SHEET.

RECOVERED: 60 FT OF: OIL & GAS CUT MUD.
RECOVERED: FT OF: 35% GAS; 10% OIL; 55% MUD.
RECOVERED: 60 FT OF: OIL & GAS CUT S/WATER.
RECOVERED: FT OF: 35% OIL; 5% GAS; 60% S/WATER.
RECOVERED: 60 FT OF: OIL CUT S/WATER. 35% OIL; 65% S/WATER.
RECOVERED: 120 FT OF: SALT WATER. CHLORIDES 112000 P.P.M.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 2:45 P.M. TIME STARTED OFF BOTTOM: 9:00 P.M.
WELL TEMPERATURE: 122 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2217 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 53 PSI TO (C) 60 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1120 PSI
FINAL FLOW PERIOD MIN: 85 (E) 90 PSI TO (F) 116 PSI
FINAL CLOSED IN PERIOD MIN: 90 (G) 1106 PSI
FINAL HYDROSTATIC PRESSURE (H) 2183 PSI

WESTERN TESTING COMPANY INC.
PRESSURE DATA

DATE: 6/15/84	TICKET #4217
CUSTOMER: PICKRELL DRILLING COMPANY	LEASE: BROCE UNIT "A-B"
WELL: #6	GEOLOGIST: FRANK
TEST: 2	FORMATION: MISSISSIPPI
ELEVATION (KB): 1573	TOWNSHIP: 31S
SECTION: 29	STATE: KANSAS
RANGE: 8W	CLOCK: 12
COUNTY: HARPER	
GAUGE SN #13221	RANGE: 4450

(A)	INITIAL HYDROSTATIC PRESSURE:	2217	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	53	PSI
(C)	FIRST FINAL FLOW PRESSURE:	60	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	1120	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	90	PSI
(F)	SECOND FINAL FLOW PRESSURE:	116	PSI
(G)	FINAL CLOSED-IN PRESSURE:	1106	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	2183	PSI
WELL TEMPERATURE:		122	'F
OPEN TOOL: 4:30 P.M.			

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	30 MIN
INITIAL CLOSED-IN PRESSURE:	60 MIN	60 MIN
SECOND FLOW PRESSURE:	90 MIN	85 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	90 MIN

PRESSURE BREAKDOWN

[illegible]

PRESSURE BREAKDOWN - CONT. TICKET #4217

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	1106
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51								
52								
53								
54								
55								
56								
57								
58								
59								
60								
61								
62								
63								
64								
65								
66								
67								
68								
69								
70								
71								
72								
73								
74								
75								
76								
77								
78								
79								
80								
81								
82								
83								
84								
85								
86								
87								
88								
89								

WESTERN TESTING COMPANY INC.
GAS FLOW REPORT

DATE: 6/15/84
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: #6
ELEVATION (KB): 1573
SECTION: 29
RANGE: 8W
GAUGE SN #13221

TEST: 2
FORMATION: MISSISSIPPI
TOWNSHIP: 31S
COUNTY: HARPER
RANGE: 4450

TICKET #4217
LEASE: BROCE UNIT "A-B"
GEOLOGIST: FRANK
STATE: KANSAS
CLOCK: 12

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

PRE FLOW

10	MERLA	1/4	2 PSIG	12700 CFPD
20			3.5 PSIG	17100 " "
30			5.0 PSIG	20700 " "

SECOND FLOW

10	MERLA	1/4	8.0 PSIG	27000 CFPD
20			7.0 PSIG	25000 " "
30			6.5 PSIG	23900 " "
40			6.0 PSIG	22900 " "
50			6.0 PSIG	22900 " "
60			6.0 PSIG	22900 " "
70			6.0 PSIG	22900 " "
80			6.0 PSIG	22900 " "
90			6.0 PSIG	22900 " "

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