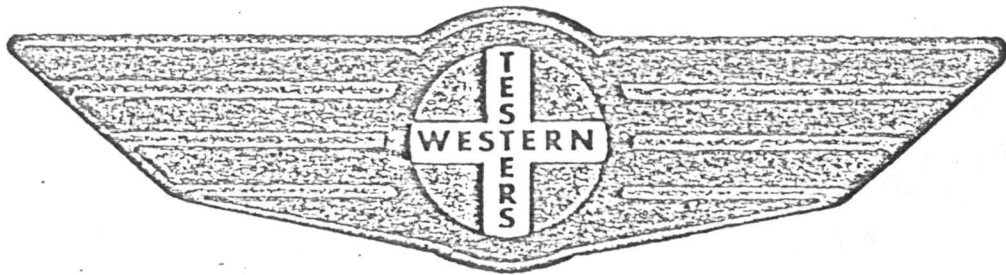


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9-17-85
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 7 TEST: 1
ELEVATION (KB): 1463 FORMATION: MISSISSIPPI
SECTION: 36 TOWNSHIP: 29S
RANGE: 7W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #3849 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 4114 FT TO: 4127 FT TOTAL DEPTH: 4127 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4109 FT SIZE: 6 5/8 IN Packer DEPTH: 4114 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLG. #10
MUD TYPE: L/SPOLYMER VISCOSITY: 47
WEIGHT: 9.4 WATER LOSS (CC): 16.2
CHLORIDES (P.P.M.): 13000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 186 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3908 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 13 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: INITIAL FLOW PERIOD WEAK BLOW
BUILDING TO STRONG STEADY BLOW.
FINAL FLOW PERIOD STRONG STEADY
BLOW THROUGHOUT PERIOD.

RECOVERED: 60 FT OF: SLIGHTLY OIL 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:

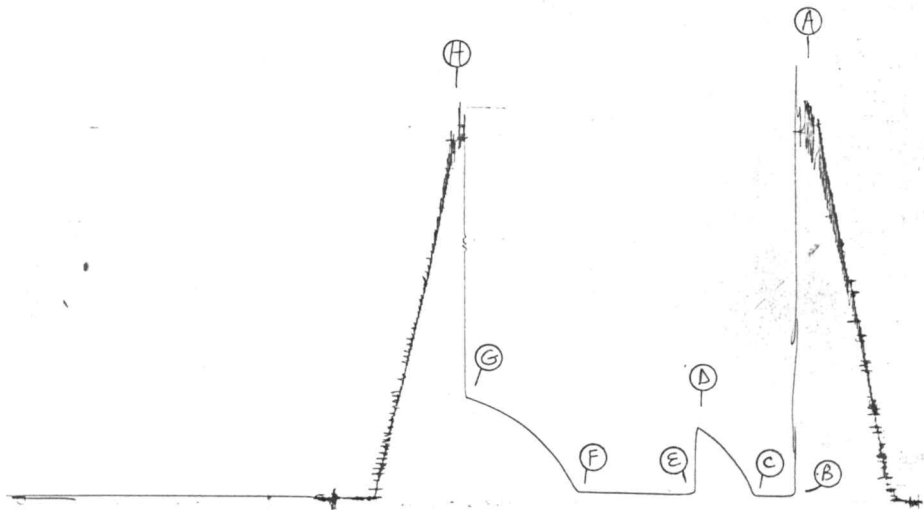
REMARKS:

TIME SET PACKER(S): 7:50 PM TIME STARTED OFF BOTTOM: 12:05 AM
WELL TEMPERATURE: 133 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2091 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 31 PSI TO (C) 32 PSI
INITIAL CLOSED IN PERIOD MIN: 42 (D) 403 PSI
FINAL FLOW PERIOD MIN: 85 (E) 37 PSI TO (F) 48 PSI
FINAL CLOSED IN PERIOD MIN: 84 (G) 563 PSI
FINAL HYDROSTATIC PRESSURE (H) 2034 PSI

TKT # 9681

49681 X

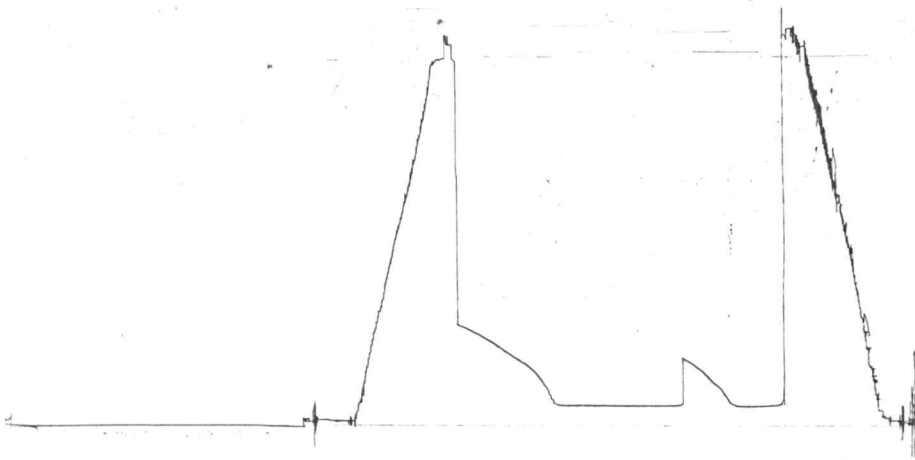
I



2100T 12-11
Ticket # 9681

TKT # 9681

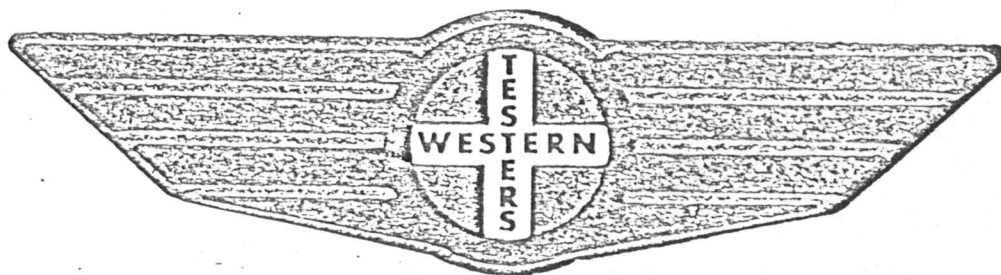
O



FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9-18-85

CUSTOMER: PICKRELL DRILLING COMPANY

WELL: 7

ELEVATION (KB): 1463

SECTION: 36

RANGE: 7W

GAUGE SN #3849

TEST: 2

COUNTY: KINGMAN

RANGE: 4200

TICKET #9682

LEASE: COYKENDALL

GEOLOGIST: B. KLAVER

FORMATION: MISSISSIPPI

TOWNSHIP: 29S

STATE: KANSAS

CLOCK: 12

INTERVAL TEST FROM: 4127 FT TO: 4147 FT TOTAL DEPTH: 4147 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4122 FT SIZE: 6 5/8 IN Packer DEPTH: 4127 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLG. #10

MUD TYPE: L/SPOLYMER

VISCOSITY: 48

WEIGHT: 9.4

WATER LOSS (CC): 16.2

CHLORIDES (P.P.M.): 13000

JARS - MAKE:

SERIAL NUMBER:

DID WELL FLOW? NO

REVERSED OUT? NO

DRILL COLLAR LENGTH: 186

FT I.D.: 2.25 IN

WEIGHT PIPE LENGTH:

FT I.D.: IN

DRILL PIPE LENGTH: 3921

FT I.D.: 3.8 IN

TEST TOOL LENGTH: 20

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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.

GAS TO SURFACE IN 33 MINUTES ON

FINAL FLOW PERIOD. SEE ATTACHED GAS FLOW REPORT.

RECOVERED: 180	FT	OF: VERY SLIGHTLY OIL CUT MUDDY WATER
RECOVERED:	FT	OF: (10% GAS; 10% OIL; 8% WATER; 72% MUD).
RECOVERED: 60	FT	OF: HEAVY OIL CUT GASSY MUDDY WATER
RECOVERED:	FT	OF: (30% GAS; 30% OIL; 10% WATER; 30% MUD).
RECOVERED: 60	FT	OF: VERY SLIGHTLY OIL CUT GASSY MUDDY WATER
RECOVERED:	FT	OF: (5% GAS; 10% OIL; 60% WATER; 25% MUD).
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS: CLOCK CAME LOOSE ON #2607.

TIME SET PACKER(S): 11:20 AM

TIME STARTED OFF BOTTOM: 3:35 PM

WELL TEMPERATURE: 133 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 2057 PSI

INITIAL FLOW PERIOD

MIN: 30

(B) 57

PSI TO (C) 77 PSI

INITIAL CLOSED IN PERIOD

MIN: 42

(D) 733

PSI

FINAL FLOW PERIOD

MIN: 85

(E) 81

PSI TO (F) 101 PSI

FINAL CLOSED IN PERIOD

MIN: 87

(G) 827

PSI

FINAL HYDROSTATIC PRESSURE

(H) 1974

PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 9-18-85

CUSTOMER: PICKRELL DRILLING COMPANY

TEST: 2

FORMATION: MISSISSIPPI

TOWNSHIP: 29S

COUNTY: KINGMAN

LEASE: COYKENDALL

GEOLOGIST: B. KLAVER

STATE: KANSAS

CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2057 PSI

(B) FIRST INITIAL FLOW PRESSURE: 57 PSI

(C) FIRST FINAL FLOW PRESSURE: 77 PSI

(D) INITIAL CLOSED-IN PRESSURE: 733 PSI

(E) SECOND INITIAL FLOW PRESSURE: 81 PSI

(F) SECOND FINAL FLOW PRESSURE: 101 PSI

(G) FINAL CLOSED-IN PRESSURE: 827 PSI

(H) FINAL HYDROSTATIC PRESSURE: 1974 PSI

WELL TEMPERATURE: 133 °F

OPEN TOOL: 11:20 AM

TIME - GIVEN TIME - ACTUAL

FIRST FLOW PRESSURE: 30 MIN 30 MIN

INITIAL CLOSED-IN PRESSURE: 45 MIN 42 MIN

SECOND FLOW PRESSURE: 90 MIN 85 MIN

FINAL CLOSED-IN PRESSURE: 90 MIN 87 MIN

PRESSURE BREAKDOWN

[illegible]

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 9-18-85

CUSTOMER: PICKRELL DRILLING COMPANY

WELL: 7

TEST: 2

ELEVATION (KB): 1463

FORMATION: MISSISSIPPI

SECTION: 36

TOWNSHIP: 29S

RANGE: 7W

COUNTY: KINGMAN

STATE: KANSAS

GAUGE SN #3849

RANGE: 4200

CLOCK: 12

TICKET #9682

LEASE: COYKENDALL

GEOLOGIST: B. KLAVER

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

PRE FLOW

SECOND FLOW

10	MERLA	1/8 IN.	2 PSIG	3920 CFPD
20			2.5	4420
30			3	4840
40			4	5640
50			5	6390
60			5	6390

GAS BOTTLE SN #:

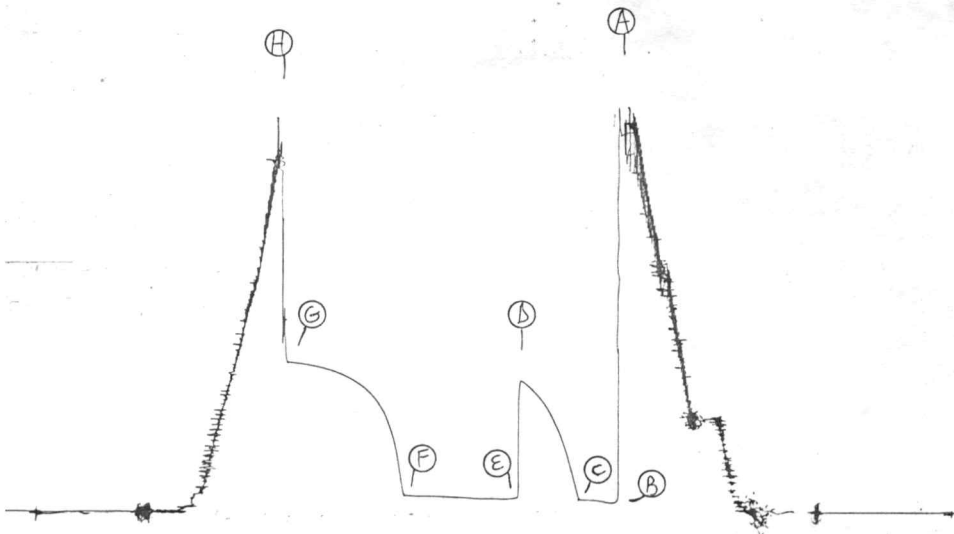
DATE BOTTLE FILLED:

DATE TO BE INVOICED:

TKT # 9682

X #9682

I



TKT # 9682

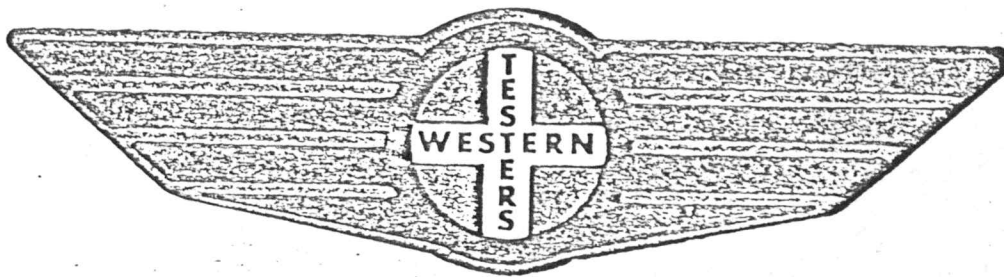
Ticket # 9682

0

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9-19-85
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 7 TEST: 3
ELEVATION (KB): 1463 FORMATION: MISSISSIPPI
SECTION: 36 TOWNSHIP: 29S
RANGE: 7W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #3849 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 4147 FT TO: 4162 FT TOTAL DEPTH: 4162 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4142 FT SIZE: 6 5/8 IN PACKER DEPTH: 4147 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLG. #10
MUD TYPE: LS POLYMER VISCOSITY: 47
WEIGHT: 9.3 WATER LOSS (CC): 16.2
CHLORIDES (P.P.M.): 16000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 186 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3941 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 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: INITIAL FLOW PERIOD WEAK BLOW
BUILDING TO A STRONG BLOW.
FINAL FLOW PERIOD STRONG
BLOW THROUGHOUT PERIOD.

RECOVERED: 20 FT OF: SLIGHTLY OIL CUT MUD.
RECOVERED: 185 FT OF: MUDDY WATER.
RECOVERED: FT OF: CHLORIDES 38000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: SLID TOOL APPROXIMATELY
5 FEET TO GOT TO BOTTOM.

TIME SET PACKER(S): 1:10 AM

TIME STARTED OFF BOTTOM: 5:25 AM

WELL TEMPERATURE: 133 °F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 42

FINAL FLOW PERIOD MIN: 85

FINAL CLOSED IN PERIOD MIN: 90

FINAL HYDROSTATIC PRESSURE

(A) 1990

PSI

(B) 48

PSI TO (C) 64 PSI

(D) 775

PSI

(E) 93

PSI TO (F) 114 PSI

(G) 774

PSI

(H) 1990

PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 9-19-85

CUSTOMER: PICKRELL DRILLING COMPANY

TEST: 3

ELEVATION (KB): 1463

FORMATION: MISSISSIPPI

TOWNSHIP: 29S

COUNTY: KINGMAN

TICKET #9683

LEASE: COYKENDALL

GEOLOGIST: B. KLAVER

MISSISSIPPI

295

STATE: KANSAS

CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	1990	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	48	PSI
(C)	FIRST FINAL FLOW PRESSURE:	64	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	775	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	93	PSI
(F)	SECOND FINAL FLOW PRESSURE:	114	PSI
(G)	FINAL CLOSED-IN PRESSURE:	774	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	1990	PSI
	WELL TEMPERATURE:	133	'F

OPEN TOOL: 1:10 AM

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	30 MIN
INITIAL CLOSED-IN PRESSURE:	45 MIN	42 MIN
SECOND FLOW PRESSURE:	90 MIN	85 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	90 MIN

PRESSURE BREAKDOWN

[illegible]

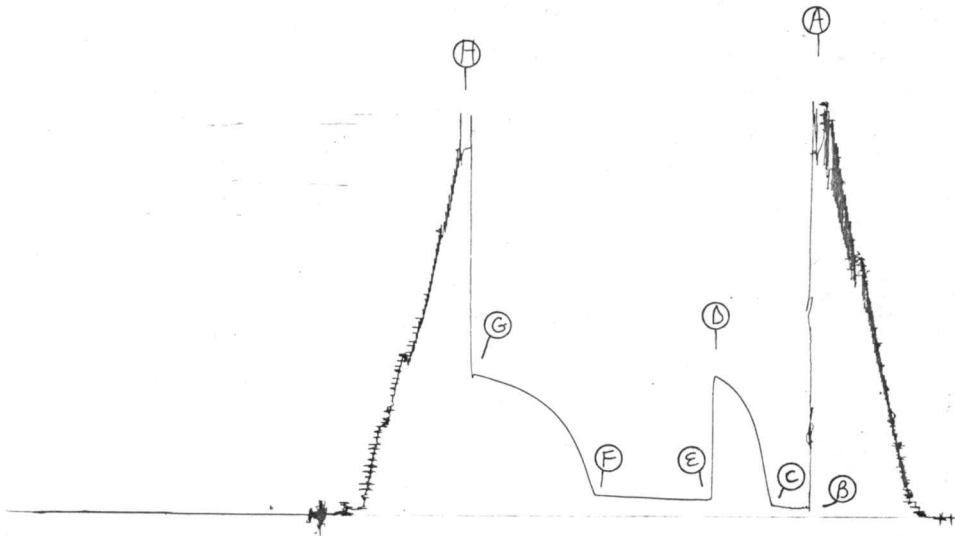
PRESSURE BREAKDOWN - CONT. TICKET #9683

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	774
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								

TKT # 9683

X #9683

I



2401
Ticket #9683

TKT # 9683

O

