

TK# 20723

I.

OST #1
10270

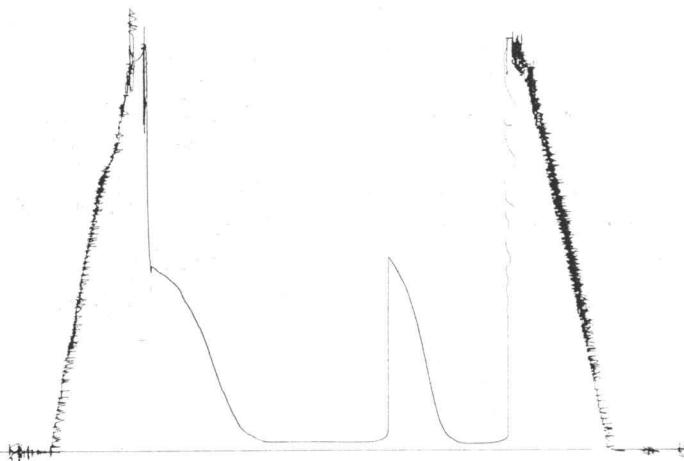


Inside Recorder

TK# 20723

O.

OST #1
13550



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 4/11/95
CUSTOMER : PICKRELL DRILLING CO INC
WELL : #1 TEST: 1
ELEVATION: 2415 KB
SECTION : 9
RANGE : 23W COUNTY: NESS
GAUGE SN#: 10270 RANGE : 4150

TICKET : 20723
LEASE : SMITH VV
GEOLOGIST: KLAVER
FORMATION: FT SCOTT
TOWNSHIP : 16S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4290.00 ft TO: 4345.00 ft TVD: 4345.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4309.0 ft 4312.0 ft
TEMPERATURE: 122.0

DRILL COLLAR LENGTH:	150.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4120.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	55.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH:	4285.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4290.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : PICKRELL RIG 10
MUD TYPE : CHEMICAL
WEIGHT : 9.400 ppg
CHLORIDES : 2000 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 51.00 cp
WATER LOSS: 8.800 cc

SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW THROUGHOUT- 1/2 INCH
BLOW. FINAL FLOW PERIOD WEAK BLOW THROUGHOUT - 1
TO 1 1/2 INCH BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	120 FT GAS ABOVE FLUID
60.0	65.0	20.0	0.0	15.0	MUDDY GASSY OIL

RATE INFORMATION

OIL VOLUME:	0.1834	STB		
GAS VOLUME:	0.3168	SCF		
MUD VOLUME:	0.0423	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	0.2257	STB		
			TOTAL FLOW TIME:	120.0000 min.
			AVERAGE OIL RATE:	2.7080 STB/D
			AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2077.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	31.00	31.00
INITIAL SHUT-IN	60.00		1070.00
FINAL FLOW	90.00	31.00	31.00
FINAL SHUT-IN	90.00		1008.00

FINAL HYDROSTATIC PRESSURE: 2077.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2104.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	52.00	37.00
INITIAL SHUT-IN	57.00		1075.00
FINAL FLOW	90.00	55.00	49.00
FINAL SHUT-IN	84.00		1023.00

FINAL HYDROSTATIC PRESSURE: 2102.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 4/11/95
 CUSTOMER : PICKRELL DRILLING CO INC
 WELL : #1 TEST: 1
 ELEVATION: 2415 KB
 SECTION : 9
 RANGE : 23W COUNTY: NESS
 GAUGE SN#: 10270 RANGE : 4150

TICKET : 20723
 LEASE : SMITH VV
 GEOLOGIST: KLAVER
 FORMATION: FT SCOTT
 TOWNSHIP : 16S
 STATE : KS
 CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	52.00	52.00
5.00	40.00	-12.00
10.00	37.00	-3.00
15.00	37.00	0.00
20.00	37.00	0.00
25.00	37.00	0.00
30.00	37.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	49.00	49.00	11.00
6.00	67.00	18.00	6.00
9.00	88.00	21.00	4.33
12.00	123.00	35.00	3.50
15.00	164.00	41.00	3.00
18.00	225.00	61.00	2.67
21.00	310.00	85.00	2.43
24.00	390.00	80.00	2.25
27.00	506.00	116.00	2.11
30.00	613.00	107.00	2.00
33.00	687.00	74.00	1.91
36.00	763.00	76.00	1.83
39.00	826.00	63.00	1.77
42.00	886.00	60.00	1.71
45.00	935.00	49.00	1.67
48.00	981.00	46.00	1.63
51.00	1019.00	38.00	1.59
54.00	1050.00	31.00	1.56
57.00	1075.00	25.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	55.00	55.00
5.00	42.00	-13.00
10.00	42.00	0.00
15.00	42.00	0.00
20.00	42.00	0.00
25.00	42.00	0.00
30.00	42.00	0.00
35.00	42.00	0.00
40.00	42.00	0.00
45.00	42.00	0.00
50.00	46.00	4.00
55.00	46.00	0.00
60.00	46.00	0.00
65.00	46.00	0.00
70.00	49.00	3.00
75.00	49.00	0.00
80.00	49.00	0.00
85.00	49.00	0.00
90.00	49.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	63.00	63.00	31.00
6.00	78.00	15.00	16.00
9.00	94.00	16.00	11.00
12.00	113.00	19.00	8.50
15.00	134.00	21.00	7.00
18.00	165.00	31.00	6.00
21.00	192.00	27.00	5.29
24.00	232.00	40.00	4.75
27.00	276.00	44.00	4.33
30.00	338.00	62.00	4.00
33.00	386.00	48.00	3.73
36.00	464.00	78.00	3.50
39.00	524.00	60.00	3.31
42.00	592.00	68.00	3.14
45.00	620.00	28.00	3.00
48.00	705.00	85.00	2.88
51.00	751.00	46.00	2.76
54.00	793.00	42.00	2.67
57.00	822.00	29.00	2.58

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	857.00	35.00	2.50
63.00	888.00	31.00	2.43
66.00	909.00	21.00	2.36
69.00	938.00	29.00	2.30
72.00	956.00	18.00	2.25
75.00	973.00	17.00	2.20
78.00	991.00	18.00	2.15
81.00	1005.00	14.00	2.11
84.00	1023.00	18.00	2.07