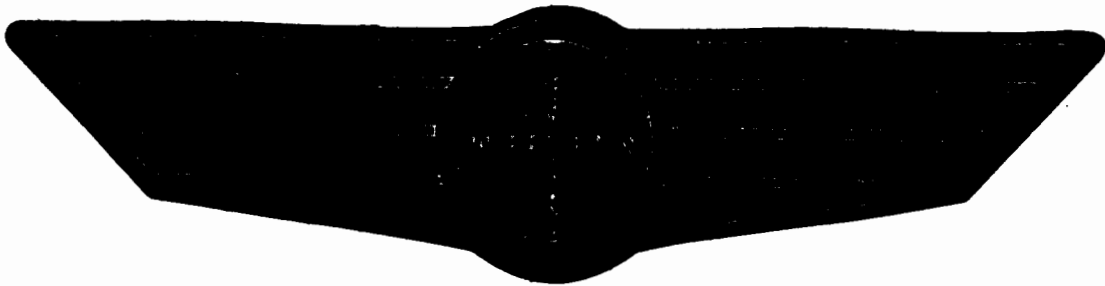


# FORMATION TEST REPORT

ORIGINAL

KCC

OCT 11 1995



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY BEAR PETROLEUM

LEASE & WELL NO. #1 LOCK

SEC. 4

RPI#15-155-21344  
TWP. 25S RGE. 8W TEST NO.

DATE 1/2/95

DST REPORT

GENERAL INFORMATION

DATE : 01-02-95  
CUSTOMER : BEAR PETROLEUM  
WELL : 1 TEST: 1  
ELEVATION: 1621 G.L.  
SECTION : 4  
RANGE : 8W COUNTY: RENO  
GAUGE SN#: 1051 RANGE : 4250  
TICKET : 20646  
LEASE : LOCK  
GEOLOGIST: J.R. HALL  
FORMATION: MISSISSIPPI  
TOWNSHIP : 25S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3775.00 ft TO: 3800.00 ft TVD: 3850.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 3770.0 ft 3775.0 ft  
TEMPERATURE: 120.0  
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 3747.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 28.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 25.0 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: 3770.0 ft SIZE: 6.630 in  
PACKER DEPTH: 3775.0 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. : VAL ENERGY #1  
MUD TYPE : CHEMICAL  
WEIGHT : 9.400 ppg  
CHLORIDES : 50000 ppm  
JARS-MAKE : WTC  
DID WELL FLOW?: NO  
VISCOSITY : 48.00 cp  
WATER LOSS: 9.600 cc  
SERIAL NUMBER: 411  
REVERSED OUT?: NO

COMMENTS

Comment

STRONG BLOW IN 2 MINUTES ON INITIAL FLOW PEIOD.  
STRONG BLOW ON FINAL FLOW PERIOD. 50' OF TAIL  
PIPE.

# ORIGINAL

## DST REPORT (CONTINUED)

### FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
240.0	0.0	30.0	0.0	70.0	GASSY MUD
760.0	0.0	0.0	100.0	0.0	WATER

### RATE INFORMATION

OIL VOLUME: 0.0000 STB	TOTAL FLOW TIME: 80.0000 min.
GAS VOLUME: 5.6706 SCF	AVERAGE OIL RATE: 0.0000 STB/D
MUD VOLUME: 2.3564 STB	AVERAGE WATER RATE: 191.8805 STB/D
WATER VOLUME: 10.6600 STB	
TOTAL FLUID : 13.0165 STB	

### FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1974.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	107.00	193.00
INITIAL SHUT-IN	60.00		1069.00
FINAL FLOW	45.00	301.00	409.00
FINAL SHUT-IN	90.00		1048.00

FINAL HYDROSTATIC PRESSURE: 1952.00

### OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1975.00

Description	Duration	p1	p End
INITIAL FLOW	35.00	106.00	188.00
INITIAL SHUT-IN	60.00		1051.00
FINAL FLOW	45.00	298.00	396.00
FINAL SHUT-IN	81.00		1049.00

FINAL HYDROSTATIC PRESSURE: 1953.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 01-02-95	TICKET	: 20646
CUSTOMER	: BEAR PETROLEUM	LEASE	: LOCK
WELL	: 1	TEST:	1
ELEVATION:	1621 G.L.	GEOLOGIST:	J.R. HALL
SECTION	: 4	FORMATION:	MISSISSIPPI
RANGE	: 8W	COUNTY:	RENO
GAUGE SN#:	1051	RANGE	: 4250
		STATE	: KS
		CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	106.00	106.00
5.00	106.00	0.00
10.00	106.00	0.00
15.00	114.00	8.00
20.00	130.00	16.00
25.00	154.00	24.00
30.00	176.00	22.00
35.00	188.00	12.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	613.00	613.00	0.00
6.00	785.00	172.00	0.00
9.00	858.00	73.00	0.00
12.00	903.00	45.00	0.00
15.00	939.00	36.00	0.00
18.00	957.00	18.00	0.00
21.00	979.00	22.00	0.00
24.00	990.00	11.00	0.00
27.00	993.00	3.00	0.00
30.00	1006.00	13.00	0.00
33.00	1014.00	8.00	0.00
36.00	1022.00	8.00	0.00
39.00	1027.00	5.00	0.00
42.00	1032.00	5.00	0.00
45.00	1035.00	3.00	0.00
48.00	1039.00	4.00	0.00
51.00	1043.00	4.00	0.00
54.00	1047.00	4.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
57.00	1049.00	2.00	0.00
60.00	1051.00	2.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	298.00	298.00
5.00	298.00	0.00
10.00	298.00	0.00
15.00	298.00	0.00
20.00	304.00	6.00
25.00	316.00	12.00
30.00	336.00	20.00
35.00	356.00	20.00
40.00	373.00	17.00
45.00	396.00	23.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	753.00	753.00	0.00
6.00	839.00	86.00	0.00
9.00	885.00	46.00	0.00
12.00	912.00	27.00	0.00
15.00	932.00	20.00	0.00
18.00	948.00	16.00	0.00
21.00	962.00	14.00	0.00
24.00	971.00	9.00	0.00
27.00	982.00	11.00	0.00
30.00	989.00	7.00	0.00
33.00	996.00	7.00	0.00
36.00	1001.00	5.00	0.00
39.00	1006.00	5.00	0.00
42.00	1011.00	5.00	0.00
45.00	1017.00	6.00	0.00
48.00	1020.00	3.00	0.00
51.00	1023.00	3.00	0.00
54.00	1026.00	3.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

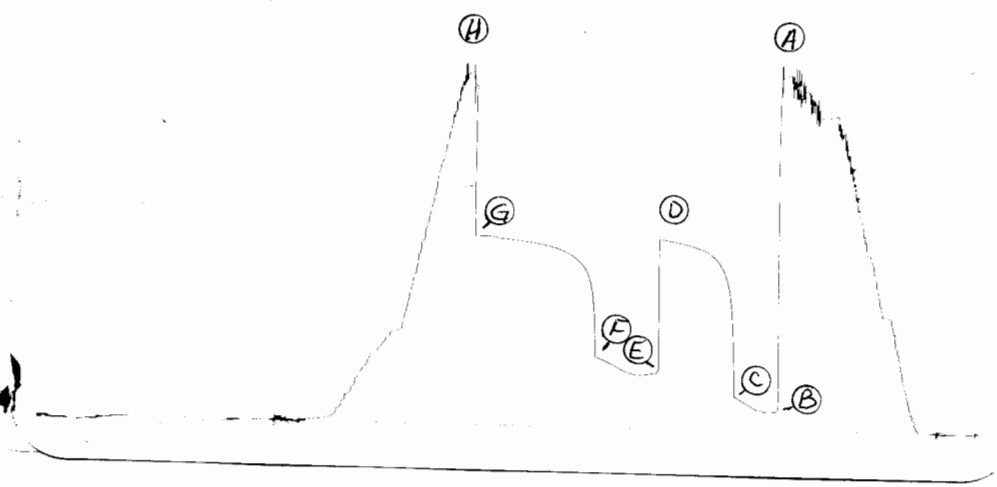
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
57.00	1028.00	2.00	0.00
60.00	1030.00	2.00	0.00
63.00	1033.00	3.00	0.00
66.00	1035.00	2.00	0.00
69.00	1037.00	2.00	0.00
72.00	1039.00	2.00	0.00
75.00	1042.00	3.00	0.00
78.00	1045.00	3.00	0.00
81.00	1049.00	4.00	0.00

~~1051~~ DST #1



Ticket # 20646

5

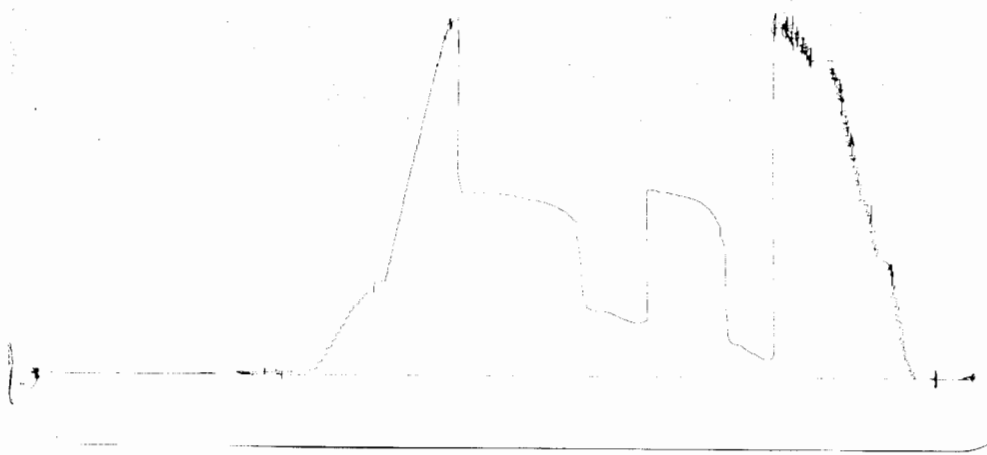


Inside Recorder

~~4332~~ DST #1

Ticket # 20646

0

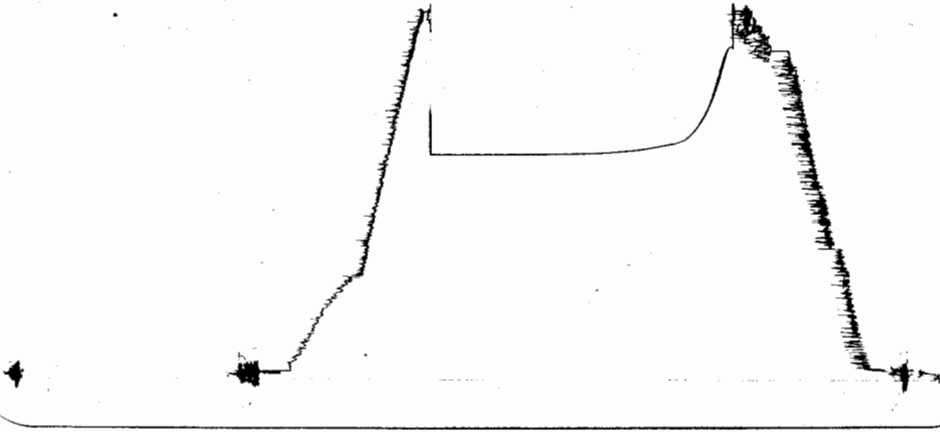


Outside Recorder

13348 DST #1

Ticket # 20646

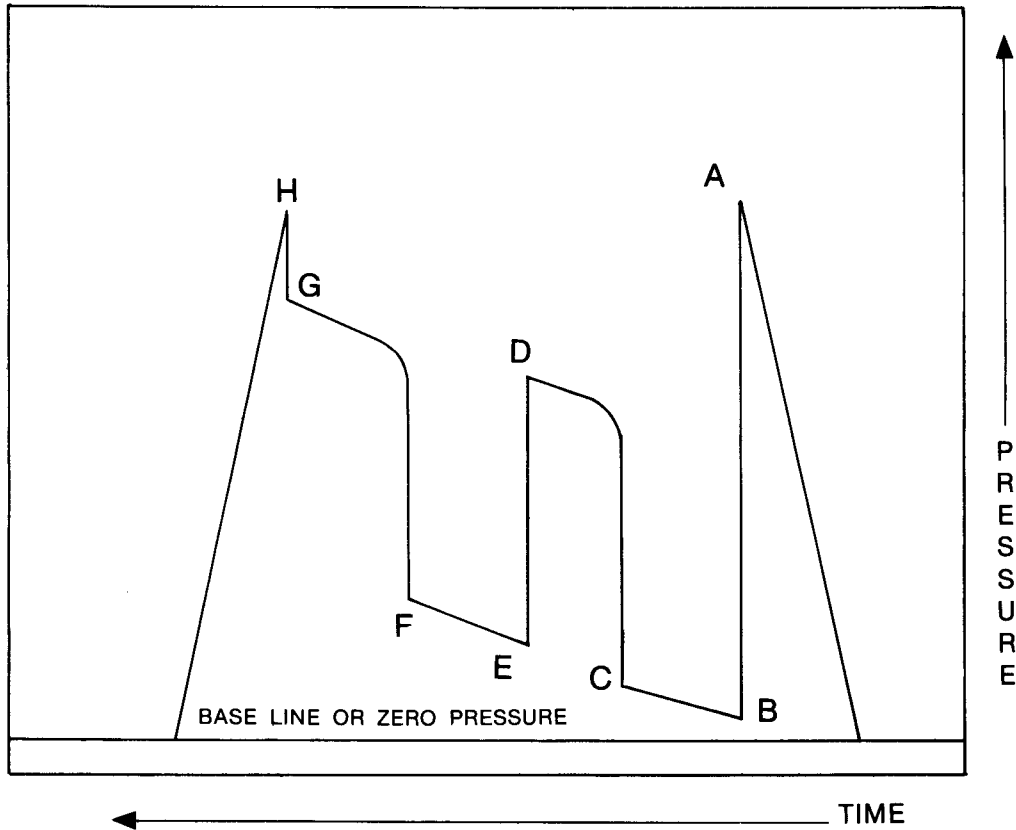
Below Straddle



### COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

### AK-1 Recorders



A - Initial Hydrostatic

B - First Initial Flow

C - First Final Flow

D - Initial Shut-In

E - Second Initial Flow

F - Second Final Flow

G - Final Shut-In

H - Final Hydrostatic