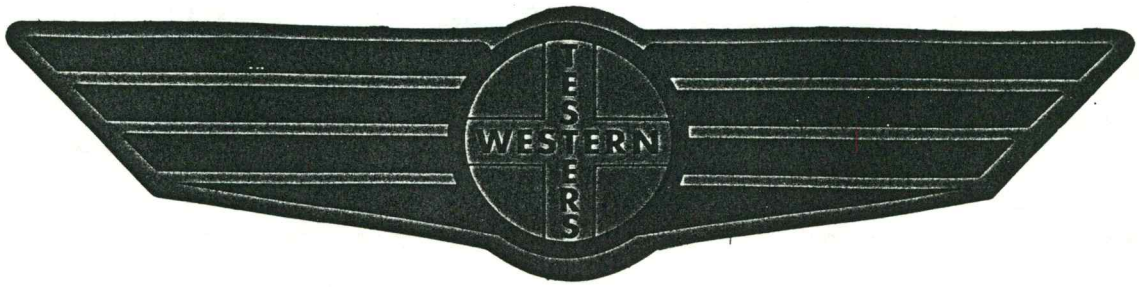
FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone **1 - 800 - 688 - 7021**

COMPANY RANGE OIL COMPANY, INC. LEASE & WELL NO. WHITEHILL #1 SEC. 29 TWP. 29S RGE. 7E TEST NO. 1 DATE 10/27/92

DST REPORT

GENERAL INFORMATION

DATE	: 10/27/92	TICKET	: 18619
CUSTOMER	: RANGE OIL COMPANY, INC.	LEASE	: WHITEHILL
WELL	: 1 TEST: 1	GEOLOGIST	: THOMAS BLAIR
ELEVATION	: 1519 KB	FORMATION	: ARBUCKLE
SECTION	: 29	TOWNSHIP	: 29S
RANGE	: 7E COUNTY: BUTLER	STATE	: KS
GAUGE SN#	: 10979 RANGE : 4100	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3283.00 ft TO: 3303.00 ft TVD: 3303.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3297.0 ft 3300.0 ft
TEMPERATURE: 122.0

DRILL COLLAR LENGTH:	360.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	2903.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	20.0 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 :	4.5FH
PACKER DEPTH:	3278.0 ft	SIZE:	6.630 in
PACKER DEPTH:	3283.0 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.	: GLAVE RIG 1		
MUD TYPE	: CHEMICAL	VISCOSITY :	43.00 cp
WEIGHT	: 9.600 ppg	WATER LOSS:	10.400 cc
CHLORIDES	: 1000 ppm		
JARS-MAKE	:	SERIAL NUMBER:	
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

WEAK BLOW, BUILDING TO STRONG BLOW, 12 INCH INTO BUCKET ON BOTH FLOW PERIODS.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
520.0	0.0	0.0	100.0	0.0	SALT WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 68000 P.P.M.

RATE INFORMATION

OIL VOLUME:	0.0000 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	90.0000 min.
MUD VOLUME:	0.0000 STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	4.0145 STB	AVERAGE WATER RATE:	64.2322 STB/D
TOTAL FLUID :	4.0145 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1685.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	30.00	125.00
INITIAL SHUT-IN	30.00		1165.00
FINAL FLOW	60.00	175.00	250.00
FINAL SHUT-IN	60.00		1165.00

FINAL HYDROSTATIC PRESSURE: 1675.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1694.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	62.00	139.00
INITIAL SHUT-IN	36.00		1176.00
FINAL FLOW	60.00	189.00	273.00
FINAL SHUT-IN	66.00		1179.00

FINAL HYDROSTATIC PRESSURE: 1984.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 10/27/92	TICKET	: 18619
CUSTOMER	: RANGE OIL COMPANY, INC.	LEASE	: WHITEHILL
WELL	: 1 TEST: 1	GEOLOGIST	: THOMAS BLAIR
ELEVATION	: 1519 KB	FORMATION	: ARBUCKLE
SECTION	: 29	TOWNSHIP	: 29S
RANGE	: 7E COUNTY: BUTLER	STATE	: KS
GAUGE SN#	: 10979 RANGE : 4100	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	62.00	62.00
5.00	65.00	3.00
10.00	74.00	9.00
15.00	91.00	17.00
20.00	105.00	14.00
25.00	123.00	18.00
30.00	139.00	16.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	266.00	266.00	0.00
6.00	657.00	391.00	0.00
9.00	1160.00	503.00	0.00
12.00	1166.00	6.00	0.00
15.00	1171.00	5.00	0.00
18.00	1174.00	3.00	0.00
21.00	1175.00	1.00	0.00
24.00	1175.00	0.00	0.00
27.00	1175.00	0.00	0.00
30.00	1175.00	0.00	0.00
33.00	1176.00	1.00	0.00
36.00	1176.00	0.00	0.00

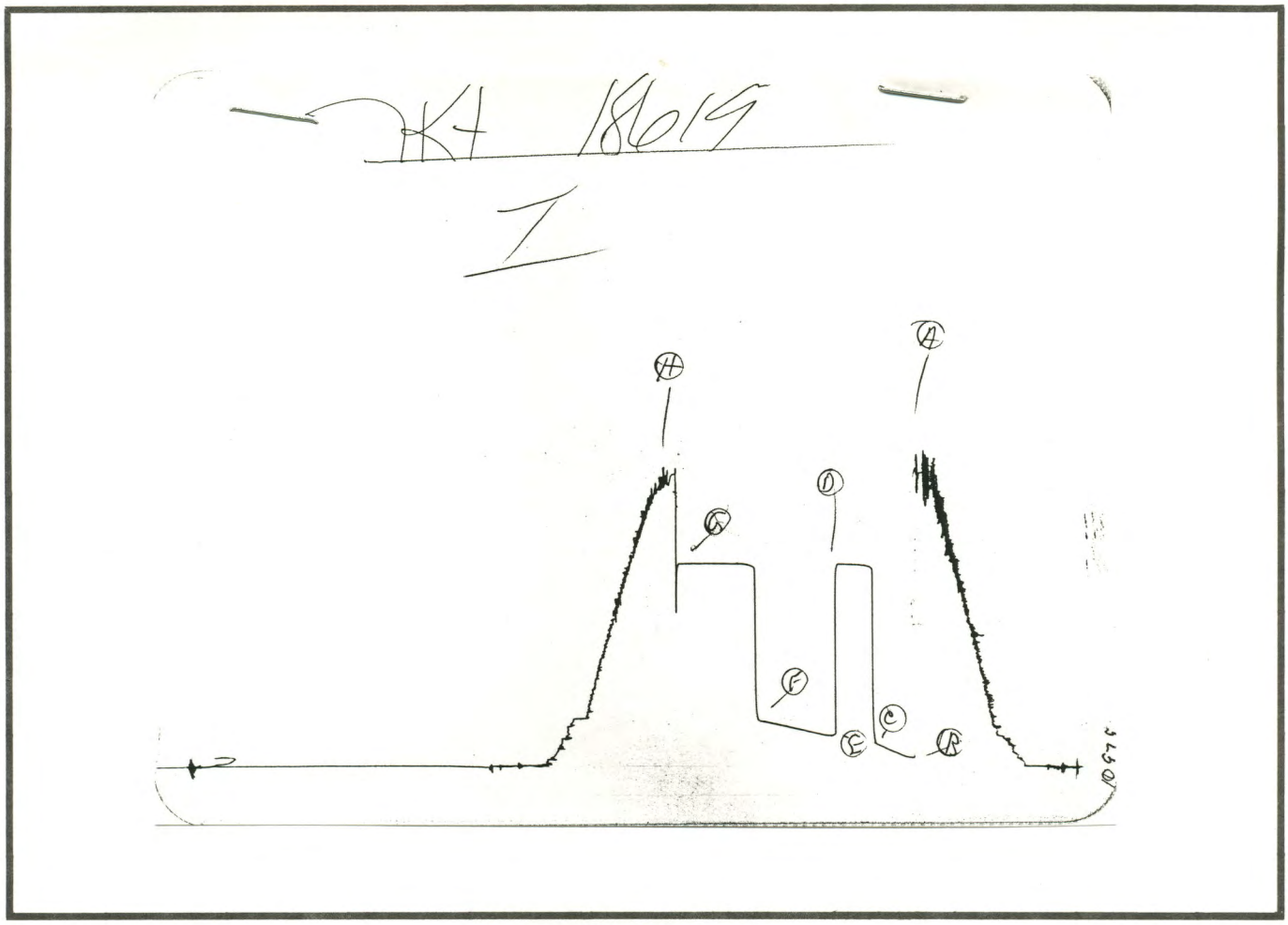
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	189.00	189.00
5.00	189.00	0.00
10.00	196.00	7.00
15.00	204.00	8.00
20.00	212.00	8.00
25.00	222.00	10.00
30.00	230.00	8.00
35.00	238.00	8.00
40.00	247.00	9.00
45.00	250.00	3.00
50.00	263.00	13.00
55.00	269.00	6.00
60.00	273.00	4.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	410.00	410.00	0.00
6.00	1147.00	737.00	0.00
9.00	1165.00	18.00	0.00
12.00	1171.00	6.00	0.00
15.00	1177.00	6.00	0.00
18.00	1179.00	2.00	0.00
21.00	1179.00	0.00	0.00
24.00	1179.00	0.00	0.00
27.00	1179.00	0.00	0.00
30.00	1179.00	0.00	0.00
33.00	1179.00	0.00	0.00
36.00	1179.00	0.00	0.00
39.00	1179.00	0.00	0.00
42.00	1179.00	0.00	0.00
45.00	1179.00	0.00	0.00
48.00	1179.00	0.00	0.00
51.00	1179.00	0.00	0.00
54.00	1179.00	0.00	0.00
57.00	1179.00	0.00	0.00
60.00	1179.00	0.00	0.00
63.00	1179.00	0.00	0.00
66.00	1179.00	0.00	0.00



Inside Recorder

