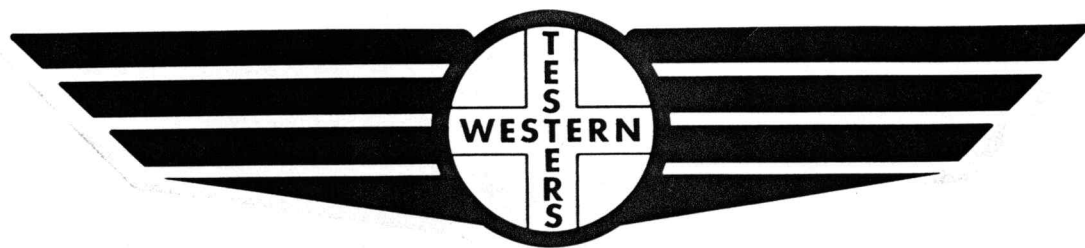


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY _____ HESS OIL COMPANY _____ LEASE & WELL NO. _____ #1 KELLER _____ SEC. 7 _____ TWP. 12S RGE. 21W TEST NO. 1 _____ DATE 6/14/86

SUBSURFACE PRESSURE SURVEY

DATE	: 6-14-86	TICKET	: 9270
CUSTOMER	: HESS OIL COMPANY	LEASE	: KELLER
WELL	: #1 TEST: 1	GEOLOGIST	: J. HESS
ELEVATION	: 2337	FORMATION	: LANSING B&C
SECTION	: 7	TOWNSHIP	: 12S
RANGE	: 21W	COUNTY	: TREGO
GAUGE SN#	: 1566	STATE	: KANSAS
		RANGE	: 4300
		CLOCK	: 12

INTERVAL FROM	: 3659	TO	: 3718	TOTAL DEPTH	: 3718
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3654	SIZE	: 6.75		
PACKER DEPTH	: 3659	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: MALLARD RIG #1		
MUD TYPE	: STARCH	VISCOSITY	: 36
WEIGHT	: 9.7	WATER LOSS (CC)	: 20
CHLORIDES (PPM)	: NA		
JARS-MAKE	: --	SERIAL NUMBER	: NO
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 300	FT	I.D. inch	: 2.20
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 3337	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 22	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 59	FT	ANCHOR SIZE	: 5.50
SURFACE CHOKE SIZE	: .75	IN	BOTTOM CHOKE SIZE	: .75
MAIN HOLE SIZE	: 7.875	IN	TOOL JOINT SIZE	: 4.5 XH

BLOW COMMENT #1 : STRONG BLOW OFF BOTTOM OF BUCKET IN
 BLOW COMMENT #2 : 8 MINUTES ON THE INITIAL FLOW.
 BLOW COMMENT #3 : STRONG BLOW OFF BOTTOM OF BUCKET IN
 BLOW COMMENT #4 : 12 MINUTES ON THE FINAL FLOW.

RECOVERED	: 70	FT	OF: SLT OIL CUT MUD	0.77 Barrels
RECOVERED	: 0	FT	OF: (80%M;10%OIL;10%GAS)	0.00 Barrels
RECOVERED	: 60	FT	OF: HVY OIL & GAS CUT MUD	0.66 Barrels
RECOVERED	: 0	FT	OF: (20%M;50%OIL;30%GAS)	0.00 Barrels
RECOVERED	: 300	FT	OF: FROGGY OIL	3.29 Barrels
RECOVERED	: 0	FT	OF: (5%M;75%OIL;20%GAS)	0.00 Barrels
RECOVERED	: 480	FT	OF: CLEAN GASSY OIL	5.26 Barrels
RECOVERED	: 0	FT	OF: 38 GRAVITY @ 88 DEG.-	0.00 Barrels
RECOVERED	: 0	FT	OF: 36 CORRECTED	0.00 Barrels
Total Barrels =	10.0		Total Production =	159.5 Bpd

REMARK 1 : RECOVERED 240 FEET OF GAS ABOVE FLUID.
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 11:45 AM	TIME STARTED OFF BOTTOM	: 2:30 PM
WELL TEMPERATURE	: 113		
INITIAL HYDROSTATIC PRESSURE		(A)	1939
INITIAL FLOW PERIOD	MIN: 30	(B)	97 PSI TO (C) : 257
INITIAL CLOSED IN PERIOD	MIN: 30	(D)	1018
FINAL FLOW PERIOD	MIN: 60	(E)	285 PSI TO (F) : 369
FINAL CLOSED IN PERIOD	MIN: 45	(G)	1001
FINAL HYDROSTATIC PRESSURE		(H)	1939

Pressure Transient Report

DATA FILE.....

COMPANY.....HESS OIL COMPANY

DATE OF TEST.....6-14-86

FIELD NAME.....KELLER

WELL NAME.....#1

LOCATION.....TREGO-KANSAS

JOB NUMBER.....9270

GAUGE NUMBER.....1566

GAUGE DEPTH.....3718

COMMENTS

RECOVERED 240 FEET OF GAS ABOVE FLUID.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	6./14/86.	11.: 45.: 0.

COMPANY : HESS OIL COMPANY FIELD : KELLER
WELL : #1 JOB # : 9270
GAUGE # : 1566 * DEPTH : 3718
MON/DAY : 6/14

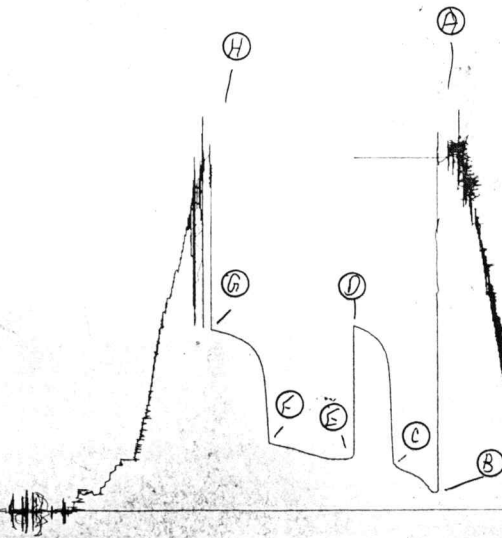
PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	11:45: 0	0 0.000	97.00	113.0	0.00	19.98
2	11:50: 0	5 0.083	99.00	113.0	2.00	24.02
3	11:55: 0	10 0.167	146.00	113.0	49.00	562.90
4	12: 0: 0	15 0.250	181.00	113.0	84.00	420.41
5	12: 5: 0	20 0.333	203.00	113.0	106.00	264.26
6	12:10: 0	25 0.417	213.00	113.0	116.00	119.77
7	12:15: 0	30 0.500	257.00	113.0	160.00	528.52
8	12:18: 0	33 0.550	664.00	113.0	567.00	8132.06
9	12:21: 0	36 0.600	840.00	113.0	743.00	3516.57
10	12:24: 0	39 0.650	901.00	113.0	804.00	1224.78
11	12:27: 0	42 0.700	937.00	113.0	840.00	719.30
12	12:30: 0	45 0.750	954.00	113.0	857.00	339.67
13	12:33: 0	48 0.800	972.00	113.0	875.00	359.65
14	12:36: 0	51 0.850	989.00	113.0	892.00	339.67
15	12:39: 0	54 0.900	1000.00	113.0	903.00	220.86
16	12:42: 0	57 0.950	1010.00	113.0	913.00	199.80
17	12:45: 0	60 1.000	1018.00	113.0	921.00	159.84
18	12:46: 0	61 1.017	285.00	113.0	188.00	-44152.47
19	12:50: 0	65 1.083	285.00	113.0	188.00	0.00
20	12:55: 0	70 1.167	285.00	113.0	188.00	0.00
21	13: 0: 0	75 1.250	285.00	113.0	188.00	0.00
22	13: 5: 0	80 1.333	287.00	113.0	190.00	24.02
23	13:10: 0	85 1.417	296.00	113.0	199.00	107.79
24	13:15: 0	90 1.500	306.00	113.0	209.00	120.12
25	13:20: 0	95 1.583	318.00	113.0	221.00	144.14
26	13:25: 0	100 1.667	328.00	113.0	231.00	119.77
27	13:30: 0	105 1.750	341.00	113.0	244.00	156.15
28	13:35: 0	110 1.833	350.00	113.0	253.00	108.11
29	13:40: 0	115 1.917	359.00	113.0	262.00	107.79
30	13:45: 0	120 2.000	369.00	113.0	272.00	120.12
31	13:48: 0	123 2.050	694.00	113.0	597.00	6493.66
32	13:51: 0	126 2.100	808.00	113.0	711.00	2277.78
33	13:54: 0	129 2.150	862.00	113.0	765.00	1084.24
34	13:57: 0	132 2.200	896.00	113.0	799.00	679.34
35	14: 0: 0	135 2.250	922.00	113.0	825.00	519.49
36	14: 3: 0	138 2.300	936.00	113.0	839.00	279.73
37	14: 6: 0	141 2.350	950.00	113.0	853.00	279.73
38	14: 9: 0	144 2.400	959.00	113.0	862.00	180.71
39	14:12: 0	147 2.450	967.00	113.0	870.00	159.84
40	14:15: 0	150 2.500	978.00	113.0	881.00	219.79
41	14:18: 0	153 2.550	983.00	113.0	886.00	99.90
42	14:21: 0	156 2.600	990.00	113.0	893.00	139.86
43	14:24: 0	159 2.650	995.00	113.0	898.00	100.39
44	14:27: 0	162 2.700	999.00	113.0	902.00	79.92
45	14:30: 0	165 2.750	1001.00	113.0	904.00	39.96

1566

TKT 9270
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Hess oil
DST 1



13629

TKT 9270

Hess oil
DST 1

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