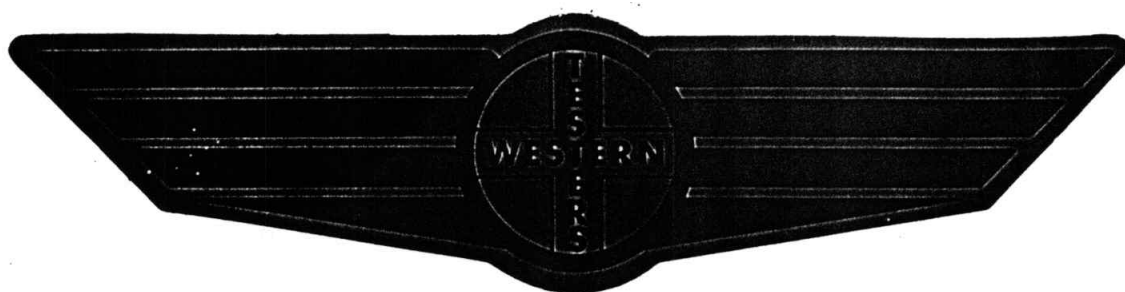


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY F G HOLL ESTATE LEASE & WELL NO. #2-36 JACKSON SEC. 36 TWP 23S RGE. 17W TEST NO. 1 DATE 11/8/86

WESTERN TESTERS INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	11-8-86	TICKET	:	11089
CUSTOMER	:	F.G. HOLL ESTATE	LEASE	:	JACKSON
WELL	:	#2-36 TEST: 1	GEOLOGIST	:	F. GREENBAUM
ELEVATION	:	2097 KB	FORMATION	:	CHER-CONG-MISS
SECTION	:	36	TOWNSHIP	:	23S
RANGE	:	17W	STATE	:	KANSAS
GAUGE SN#	:	13550	CLOCK	:	12
		COUNTY :	PAWNEE		
		RANGE :	4175		

INTERVAL FROM	:	4195	TO	:	4305	TOTAL DEPTH	:	4305
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4190	SIZE	:	6.63			
PACKER DEPTH	:	4195	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	STERLING DRILLING RIG#4			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	47
WEIGHT	:	9.3	WATER LOSS (CC)	:	9.0
CHLORIDES (PPM)	:	7000			
JARS-MAKE	:	-	SERIAL NUMBER	:	
DID WELL FLOW ?	:	-	REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	363	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3811	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	110	FT	TOOL SIZE	:	4.50
ANCHOR LENGTH	:	21	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 : INITIAL FLOW-STRONG BLOW; HOSE 11 INCHES INTO BUCKET.
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW; HOSE 10 INCHES INTO BUCKET.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 130 FT OF: MUD

Total Barrels Fluid = 0.64
Total Fluid Prod Rate = 10.83 BFPD
Indicated Wtr Rate = 9.75 BWPD

REMARK 1 :
REMARK 2 : TOOL SLID 5 FEET AFTER OPENING.
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	3:45 PM	TIME STARTED OFF BOTTOM :	6:45 PM
WELL TEMPERATURE :	123		
INITIAL HYDROSTATIC PRESSURE		(A)	2122
INITIAL FLOW PERIOD MIN:	30	(B)	152 PSI TO (C) : 152
INITIAL CLOSED IN PERIOD MIN:	30	(D)	328
FINAL FLOW PERIOD MIN:	55	(E)	180 PSI TO (F) : 180
FINAL CLOSED IN PERIOD MIN:	63	(G)	271
FINAL HYDROSTATIC PRESSURE		(H)	2112

WESTERN TESTERS INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : F.G. HOLL ESTATE
RIG : PAWNEE-KANSAS
FIELD : JACKSON
WELL : #2-36
DATE : 11-8-86
GAUGE NO : 13550

OPERATIONAL COMMENTS

TOOL SLID 5 FEET AFTER OPENING.

COMPANY : F.G. HOLL ESTATE
WELL : #2-36
GAUGE # : 13550
DATE : 8/11/86

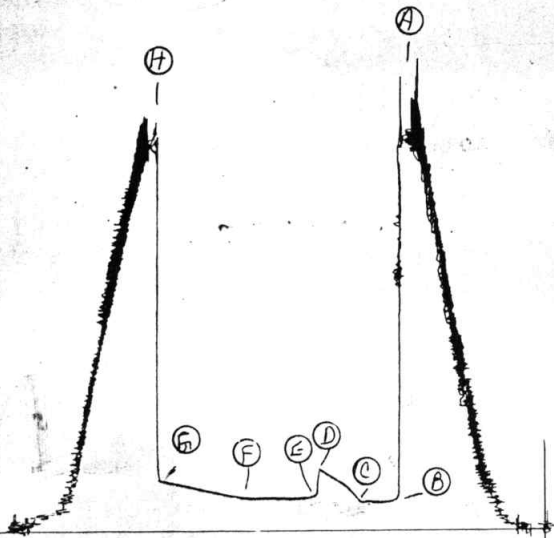
FIELD : JACKSON
JOB # : 11089
DEPTH : 4305
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	3:45: 0	0.000	152.000	50.56	0.000
2	3:49:60	0.083	152.000	50.56	0.000
3	3:55: 1	0.167	152.000	50.56	0.000
4	4: 0: 0	0.250	152.000	50.56	0.000
5	4: 4:60	0.333	152.000	50.56	0.000
6	4:10: 1	0.417	152.000	50.56	0.000
7	4:15: 0	0.500	152.000	50.56	0.000
8	4:18: 0	0.550	175.000	50.56	23.000
9	4:21: 0	0.600	203.000	50.56	28.000
10	4:24: 0	0.650	228.000	50.56	25.000
11	4:27: 0	0.700	247.000	50.56	19.000
12	4:30: 0	0.750	260.000	50.56	13.000
13	4:33: 0	0.800	273.000	50.56	13.000
14	4:36: 0	0.850	288.000	50.56	15.000
15	4:39: 0	0.900	300.000	50.56	12.000
16	4:42: 0	0.950	315.000	50.56	15.000
17	4:45: 0	1.000	328.000	50.56	13.000
18	4:46: 1	1.017	180.000	50.56	-148.000
19	4:49:60	1.083	180.000	50.56	0.000
20	4:55: 1	1.167	180.000	50.56	0.000
21	5: 0: 0	1.250	180.000	50.56	0.000
22	5: 4:60	1.333	180.000	50.56	0.000
23	5:10: 1	1.417	180.000	50.56	0.000
24	5:15: 0	1.500	180.000	50.56	0.000
25	5:19:60	1.583	180.000	50.56	0.000
26	5:25: 1	1.667	180.000	50.56	0.000
27	5:30: 0	1.750	180.000	50.56	0.000
28	5:34:60	1.833	180.000	50.56	0.000
29	5:40: 1	1.917	180.000	50.56	0.000
30	5:43: 1	1.967	180.000	50.56	0.000
31	5:46: 1	2.017	182.000	50.56	2.000
32	5:49: 1	2.067	186.000	50.56	4.000
33	5:52: 1	2.117	190.000	50.56	4.000
34	5:55: 1	2.167	194.000	50.56	4.000
35	5:58: 1	2.217	198.000	50.56	4.000
36	6: 1: 1	2.267	202.000	50.56	4.000
37	6: 4: 1	2.317	207.000	50.56	5.000
38	6: 7: 1	2.367	212.000	50.56	5.000
39	6:10: 1	2.417	219.000	50.56	7.000
40	6:13: 1	2.467	224.000	50.56	5.000
41	6:16: 1	2.517	229.000	50.56	5.000
42	6:19: 1	2.567	234.000	50.56	5.000
43	6:22: 1	2.617	239.000	50.56	5.000
44	6:25: 1	2.667	243.000	50.56	4.000
45	6:28: 1	2.717	248.000	50.56	5.000
46	6:31: 1	2.767	253.000	50.56	5.000
47	6:34: 1	2.817	258.000	50.56	5.000
48	6:37: 1	2.867	263.000	50.56	5.000
49	6:40: 1	2.917	268.000	50.56	5.000
50	6:43: 1	2.967	271.000	50.56	3.000

WESTERN TESTERS INC.

TK4 11D89

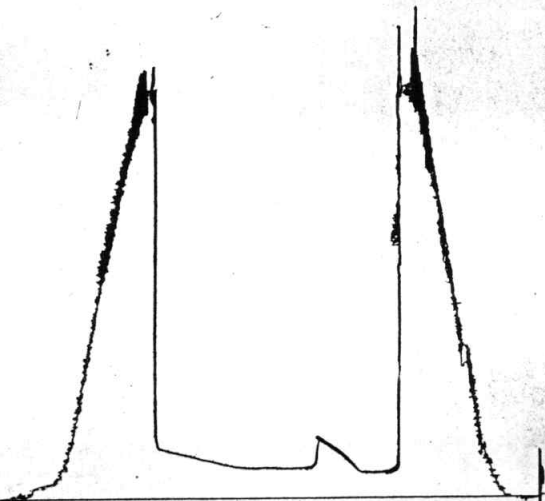
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