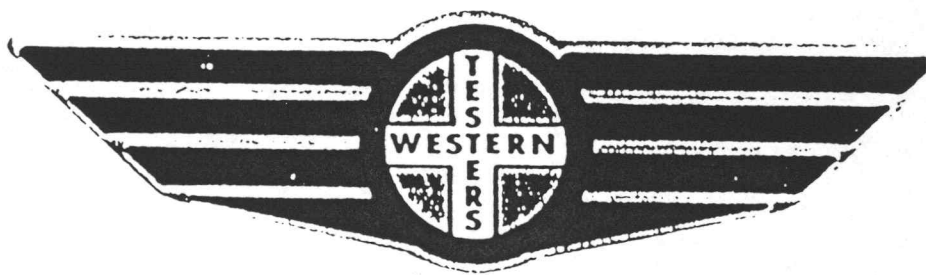


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY RANGE OIL COMPANY, INC. LEASE & WELL NO. WILSON H #1 SEC. 30 TWP. 26S RGE. 6E TEST NO. 1 DATE 9/10/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	09-10-88	TICKET	:	14028
CUSTOMER	:	RANGE OIL CO. INC.	LEASE	:	WILSON
WELL	:	H #1 TEST: 1	GEOLOGIST	:	R.
ELEVATION	:	1327	FORMATION	:	MISSISSIPPI
SECTION	:	30	TOWNSHIP	:	26S
RANGE	:	6E	STATE	:	KANSAS
GAUGE SN#	:	10979	CLOCK	:	12
		COUNTY :	BUTLER		
		RANGE :	4100		

INTERVAL FROM	:	2733	TO	:	2742	TOTAL DEPTH	:	2742
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	2728	SIZE	:	6.63			
PACKER DEPTH	:	2733	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	RANGE DRLG. #1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	47
WEIGHT	:	9.8	WATER LOSS (CC)	:	10
CHLORIDES (PPM)	:	1200			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	150	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	2563	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	9	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5XH

BLOW COMMENT #1	:	WEAK BLOW FOR 5 MINUTES ON INITIAL FLOW PERIOD.
BLOW COMMENT #2	:	
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 10 FT OF: DRILLING MUD (SLIGHT SHOW OF OIL IN TOOL)

Total Barrels Fluid = 0.05
Total Fluid Prod Rate = 1.09 BFPD
Indicated Wtr Rate = 0.11 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES 1500 PPM
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 1:00 PM

TIME STARTED OFF BOTTOM : 3:00 PM

WELL TEMPERATURE : 105

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 35

INITIAL CLOSED IN PERIOD MIN: 24

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 30

FINAL HYDROSTATIC PRESSURE

(A) 1496

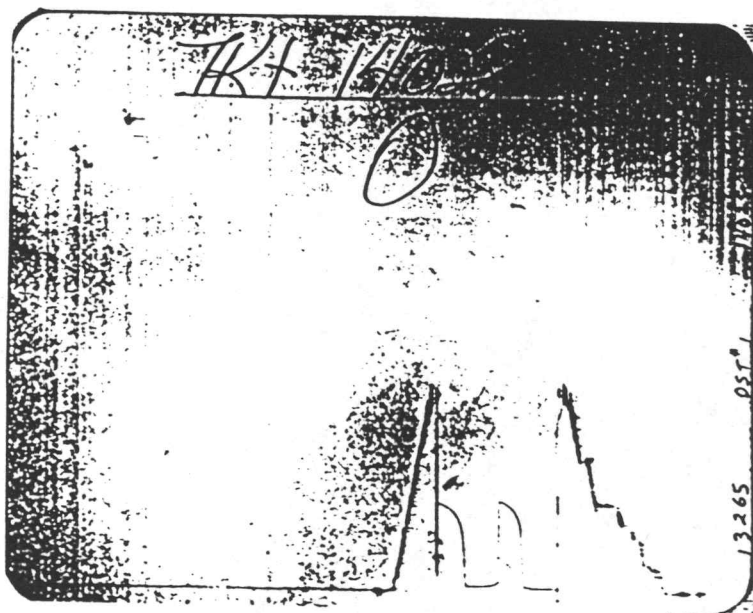
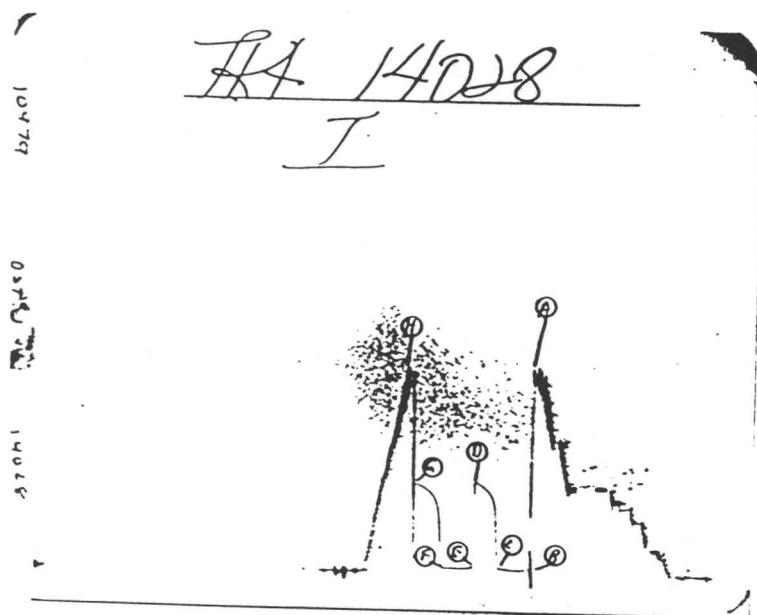
(B) 31 PSI TO (C) : 36

(D) 665

(E) 35 PSI TO (F) : 35

(G) 649

(H) 1496



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : RANGE OIL CO. INC.
RIG : BUTLER-KANSAS
FIELD : WILSON
WELL : H #1
DATE : 09-10-88
GAUGE NO : 10979

OPERATIONAL COMMENTS

CHLORIDES 1500 PPM

COMPANY : RANGE OIL CO. INC.
 WELL : H #1
 GAUGE # : 10979
 DATE : 10/ 9/88

FIELD : WILSON
 JOB # : 14028
 DEPTH : 2742
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW					
2	1: 0: 0	0.000	31.000	105.00	0.000
3	1: 4:59	0.083	31.000	105.00	0.000
4	1:10: 0	0.167	27.000	105.00	-4.000
5	1:15: 0	0.250	27.000	105.00	0.000
6	1:19:59	0.333	27.000	105.00	0.000
7	1:25: 0	0.417	27.000	105.00	0.000
8	1:30: 0	0.500	36.000	105.00	9.000
9	1:34:59	0.583	36.000	105.00	0.000
INITIAL SHUT-IN					
10	1:37:59	0.633	265.000	105.00	229.000
11	1:40:59	0.683	528.000	105.00	263.000
12	1:43:59	0.733	577.000	105.00	49.000
13	1:46:59	0.783	606.000	105.00	29.000
14	1:49:59	0.833	628.000	105.00	22.000
15	1:52:59	0.883	641.000	105.00	13.000
16	1:55:59	0.933	658.000	105.00	17.000
17	1:58:59	0.983	665.000	105.00	7.000
FINAL FLOW					
18	2: 0: 0	1.000	35.000	105.00	-630.000
19	2: 3:59	1.067	35.000	105.00	0.000
20	2: 9: 0	1.150	35.000	105.00	0.000
21	2:13:59	1.233	35.000	105.00	0.000
22	2:18:59	1.317	35.000	105.00	0.000
23	2:24: 0	1.400	35.000	105.00	0.000
24	2:28:59	1.483	35.000	105.00	0.000
FINAL SHUT-IN					
25	2:31:59	1.533	156.000	105.00	121.000
26	2:34:59	1.583	453.000	105.00	297.000
27	2:37:59	1.633	534.000	105.00	81.000
28	2:40:59	1.683	568.000	105.00	34.000
29	2:43:59	1.733	595.000	105.00	27.000
30	2:46:59	1.783	614.000	105.00	19.000
31	2:49:59	1.833	627.000	105.00	13.000
32	2:52:59	1.883	634.000	105.00	7.000
33	2:55:59	1.933	642.000	105.00	8.000
34	2:58:59	1.983	649.000	105.00	7.000

WESTERN TESTING CO. INC.