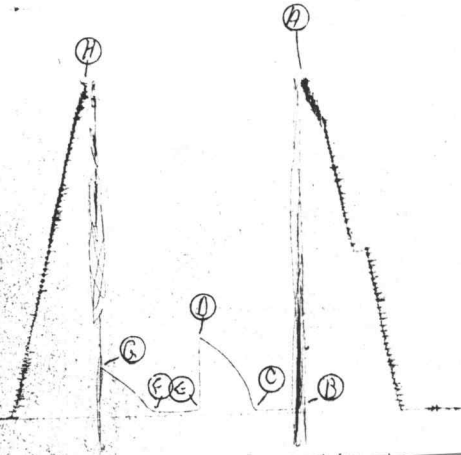


KT 14494

1

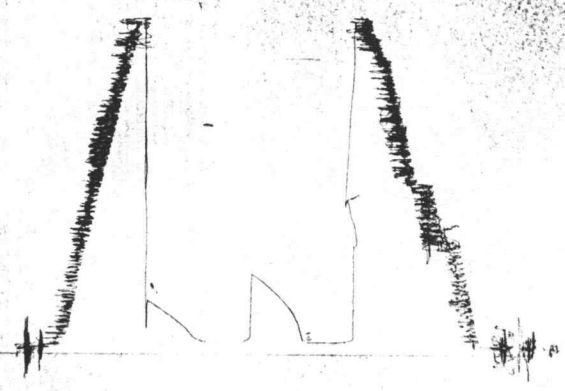
DST # 1  
10270



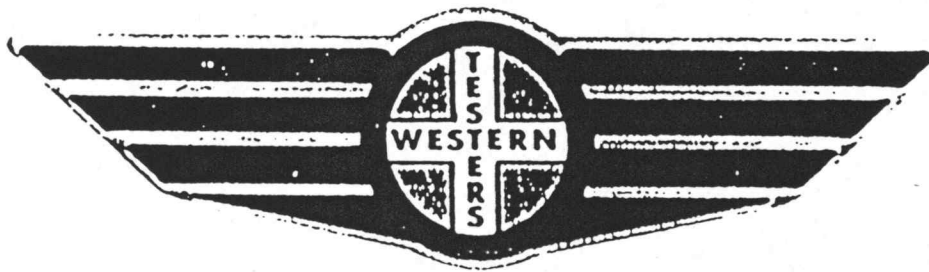
KT 14494

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OST #1  
13268



# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY H-30 DRILLING, INC. LEASE & WELL NO. SLEEPER #1A-5 SEC. 5 TWP 22S RGE. 11W TEST. NO. 1 DATE 9/24/88

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 9-24-88 TICKET : 14494  
CUSTOMER : H-30 DRILLING INC. LEASE : SLEEPER  
WELL : #1A - 5 TEST: 1 GEOLOGIST : J. BURKE  
ELEVATION : 1760 FORMATION : ARBUCKLE  
SECTION : 5 TOWNSHIP : 22S  
RANGE : 11W COUNTY : STAFFORD STATE : KANSAS  
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3561 TO : 3567 TOTAL DEPTH : 3567  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 3556 SIZE : 6.63  
PACKER DEPTH : 3561 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : H-30 DRILG #7  
MUD TYPE : CHEMICAL VISCOSITY : 40  
WEIGHT : 9.3 WATER LOSS (CC) : 11.6  
CHLORIDES (PPM) : 7000  
JARS-MAKE : SERIAL NUMBER :  
DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 3537 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 24 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 6 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 : VERY WEAK BLOW THOROUGHOUT INITIAL FLOW PERIOD.  
BLOW COMMENT #2 : NO BLOW ON FINAL FLOW PERIOD.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :



WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report  
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COMPANY : H-30 DRILLING INC.  
RIG : STAFFORD-KANSAS  
FIELD : SLEEPER  
WELL : #1A - 5  
DATE : 9-24-88  
GAUGE NO : 10270

OPERATIONAL COMMENTS

CHLORIDES 7000 PPM

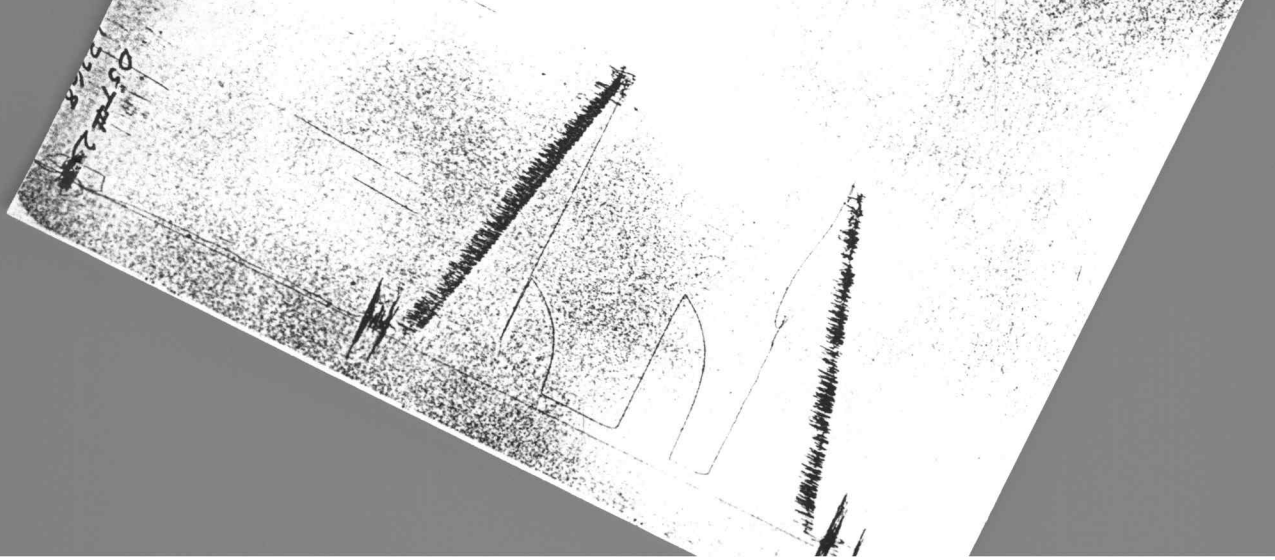
COMPANY : H-30 DRILLING INC.  
 WELL : #1A - 5  
 GAUGE # : 10270  
 DATE : 24/ 9/88

FIELD : SLEEPER  
 JOB # : 14494  
 DEPTH : 3567  
 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 PERIOD					
2	2:15:0	0.000	16.000	111.00	0.000
3	2:19:59	0.083	16.000	111.00	0.000
4	2:25:0	0.167	16.000	111.00	0.000
5	2:30:0	0.250	16.000	111.00	0.000
6	2:34:59	0.333	16.000	111.00	0.000
7	2:40:0	0.417	16.000	111.00	0.000
8	2:45:0	0.500	16.000	111.00	0.000
INITIAL SHUT IN					
9	2:48:0	0.550	26.000	111.00	10.000
10	2:51:0	0.600	100.000	111.00	74.000
11	2:54:0	0.650	165.000	111.00	65.000
12	2:57:0	0.700	205.000	111.00	40.000
13	3:0:0	0.750	238.000	111.00	33.000
14	3:3:0	0.800	268.000	111.00	30.000
15	3:6:0	0.850	298.000	111.00	30.000
16	3:9:0	0.900	318.000	111.00	20.000
17	3:12:0	0.950	340.000	111.00	22.000
18	3:15:0	1.000	359.000	111.00	19.000
19	3:18:0	1.050	374.000	111.00	15.000
20	3:21:0	1.100	392.000	111.00	18.000
21	3:24:0	1.150	406.000	111.00	14.000
22	3:27:0	1.200	420.000	111.00	14.000
FINAL FLOW PERIOD					
23	3:28:0	1.217	16.000	111.00	-404.000
24	3:31:59	1.283	16.000	111.00	0.000
25	3:37:0	1.367	16.000	111.00	0.000
26	3:42:0	1.450	16.000	111.00	0.000
27	3:46:59	1.533	16.000	111.00	0.000
28	3:52:0	1.617	16.000	111.00	0.000
29	3:57:0	1.700	16.000	111.00	0.000
FINAL SHUT IN					
30	4:0:0	1.750	25.000	111.00	9.000
31	4:3:0	1.800	39.000	111.00	14.000
32	4:6:0	1.850	58.000	111.00	19.000
33	4:9:0	1.900	91.000	111.00	33.000
34	4:12:0	1.950	115.000	111.00	24.000
35	4:15:0	2.000	137.000	111.00	22.000
36	4:18:0	2.050	158.000	111.00	21.000
37	4:21:0	2.100	177.000	111.00	19.000
38	4:24:0	2.150	195.000	111.00	18.000
39	4:27:0	2.200	214.000	111.00	19.000
40	4:30:0	2.250	229.000	111.00	15.000
41	4:33:0	2.300	244.000	111.00	15.000
42	4:36:0	2.350	264.000	111.00	20.000
43	4:39:0	2.400	270.000	111.00	6.000

WESTERN TESTING CO. INC.

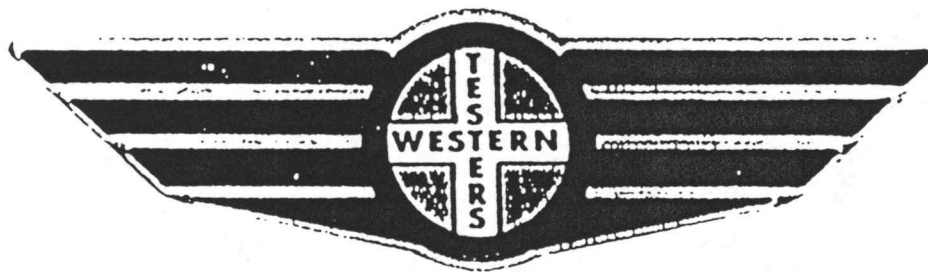
ART 14495  
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0.5  
1.5  
2.5  
3.5



# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 9-24-88  
CUSTOMER : H-30 DRILLING INC.  
WELL : #1 A-5 TEST: 2  
ELEVATION : 1760  
SECTION : 5  
RANGE : 11W COUNTY : STAFFORD  
GAUGE SN# : 10270 RANGE : 4150  
TICKET : 14495  
LEASE : SLEEPER  
GEOLOGIST : J. BURKE  
FORMATION : ARBUCKLE  
TOWNSHIP : 22S  
STATE : KS  
CLOCK : 12

INTERVAL FROM : 3567 TO : 3577 TOTAL DEPTH : 3577  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 3562 SIZE : 6.63  
PACKER DEPTH : 3567 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : H-30 DRLG. #7  
MUD TYPE : CHEMICAL VISCOSITY : 44  
WEIGHT : 9.3 WATER LOSS (CC) : 12  
CHLORIDES (PPM) : 7000  
JARS-MAKE : SERIAL NUMBER :  
DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 3547 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 10 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 1/4" TO 1" ON INITIAL FLOW PERIOD.  
BLOW COMMENT #2 : WEAK BLOW 1/4" ON FINAL FLOW PERIOD.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :



WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report  
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COMPANY : H-30 DRILLING INC.  
RIG : STAFFORD-KS  
FIELD : SLEEPER  
WELL : #1 A-5  
DATE : 9-24-88  
GAUGE NO : 10270

OPERATIONAL COMMENTS

CHLORIDES 16000 PPM

COMPANY : H-30 DRILLING INC.  
 WELL : #1 A-5  
 GAUGE # : 10270  
 DATE : 24/ 9/88

FIELD : SLEEPER  
 JOB # : 14495  
 DEPTH : 3577  
 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 PERIOD					
2	1:30: 0	0.000	23.000	112.00	0.000
3	1:34:59	0.083	23.000	112.00	0.000
4	1:40: 0	0.167	23.000	112.00	0.000
5	1:45: 0	0.250	23.000	112.00	0.000
6	1:49:59	0.333	23.000	112.00	0.000
7	1:55: 0	0.417	23.000	112.00	0.000
8	2: 0: 0	0.500	23.000	112.00	0.000
INITIAL SHUT IN					
9	2: 3: 0	0.550	387.000	112.00	364.000
10	2: 6: 0	0.600	549.000	112.00	162.000
11	2: 9: 0	0.650	622.000	112.00	73.000
12	2:12: 0	0.700	671.000	112.00	49.000
13	2:15: 0	0.750	713.000	112.00	42.000
14	2:18: 0	0.800	746.000	112.00	33.000
15	2:21: 0	0.850	777.000	112.00	31.000
16	2:24: 0	0.900	804.000	112.00	27.000
17	2:27: 0	0.950	827.000	112.00	23.000
18	2:30: 0	1.000	848.000	112.00	21.000
19	2:33: 0	1.050	864.000	112.00	16.000
20	2:36: 0	1.100	879.000	112.00	15.000
21	2:39: 0	1.150	892.000	112.00	13.000
22	2:42: 0	1.200	905.000	112.00	13.000
FINAL FLOW PERIOD					
23	2:45: 0	1.250	911.000	112.00	6.000
24	2:46: 0	1.267	27.000	112.00	-884.000
25	2:49:59	1.333	27.000	112.00	0.000
26	2:55: 0	1.417	27.000	112.00	0.000
27	3: 0: 0	1.500	27.000	112.00	0.000
28	3: 4:59	1.583	27.000	112.00	0.000
29	3:10: 0	1.667	27.000	112.00	0.000
30	3:15: 0	1.750	31.000	112.00	4.000
31	3:19:59	1.833	33.000	112.00	2.000
32	3:25: 0	1.917	34.000	112.00	1.000
33	3:30: 0	2.000	34.000	112.00	0.000
34	3:34:59	2.083	34.000	112.00	0.000
35	3:40: 0	2.167	34.000	112.00	0.000
36	3:45: 0	2.250	34.000	112.00	0.000
FINAL SHUT IN					
37	3:48: 0	2.300	154.000	112.00	120.000
38	3:51: 0	2.350	279.000	112.00	125.000
39	3:54: 0	2.400	346.000	112.00	67.000
40	3:57: 0	2.450	392.000	112.00	46.000
41	4: 0: 0	2.500	428.000	112.00	36.000
42	4: 3: 0	2.550	455.000	112.00	27.000
43	4: 6: 0	2.600	485.000	112.00	30.000
44	4: 9: 0	2.650	508.000	112.00	23.000
45	4:12: 0	2.700	526.000	112.00	18.000
46	4:15: 0	2.750	547.000	112.00	21.000
47	4:18: 0	2.800	563.000	112.00	16.000
48	4:21: 0	2.850	579.000	112.00	16.000

COMPANY : H-30 DRILLING INC.  
WELL : #1 A-5  
GAUGE # : 10270  
DATE : 24/ 9/88

FIELD : SLEEPER  
JOB # : 14495  
DEPTH : 3577  
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	4:24: 0	2.900	592.000	112.00	13.000
50	4:27: 0	2.950	606.000	112.00	14.000
51	4:30: 0	3.000	613.000	112.00	7.000

WESTERN TESTING CO. INC.