

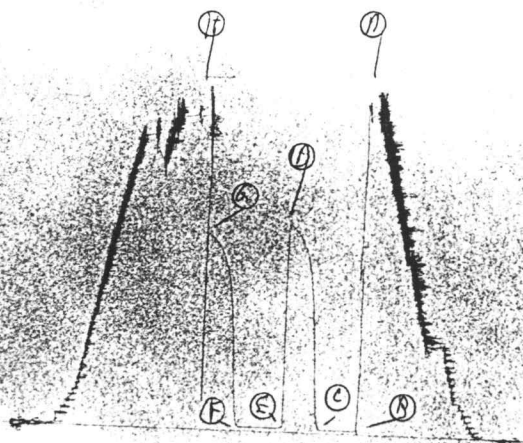
TKT 14257

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DST #2

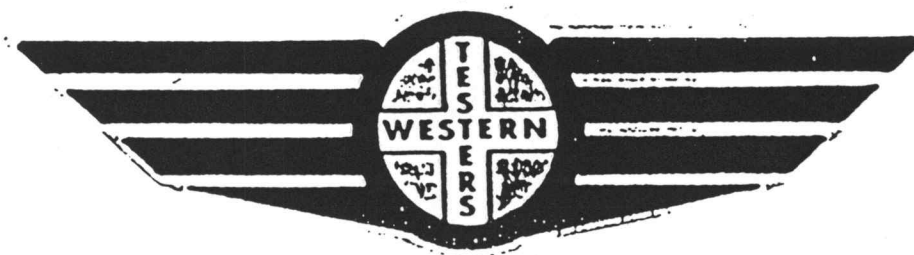
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

H-30 DRILLING, INC.

LEASE & WELL NO.

JEFFRIES #4

SEC. 22

TWP. 26S

RGE. 2E

TEST NO. 1

DATE 11/24/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 11-24-88	TICKET	: 14257
CUSTOMER	: H-30 DRILLING INC.	LEASE	: JEFFRIES
WELL	: #4 TEST: 1	GEOLOGIST	: J. BURKE
ELEVATION	: 1390 K.B.	FORMATION	: SIMPSON 4 SAND
SECTION	: 22	TOWNSHIP	: 26S
RANGE	: 2E	COUNTY	: SEDGWICK
GAUGE SN#	: 13265	STATE	: KS
		RANGE	: 3975
		CLOCK	: 12

INTERVAL FROM	: 3309	TO	: 3324	TOTAL DEPTH	: 3324
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3304	SIZE	: 6.63		
PACKER DEPTH	: 3309	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: McALLISTER DRILG #10		
MUD TYPE	: CHEMICAL	VISCOSITY	: 37
WEIGHT	: 9.6	WATER LOSS (CC)	: 17.2
CHLORIDES (PPM)	: 3000		
JARS-MAKE	:	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 330	FT	I.D. inch	: 2.25
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 2959	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 15	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 20 MINUTES.
BLOW COMMENT #2	:
BLOW COMMENT #3	:
BLOW COMMENT #4	:

RECOVERED : 20 FT OF: DRLG. MUD W/FEW SPECKS OF OIL IN TOOL

Total Barrels Fluid = 0.10
Total Fluid Prod Rate = 2.18 BFPD
Indicated Wtr Rate = 0.02 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES 3200 PPM
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	11:59 AM	TIME STARTED OFF BOTTOM :	2:19 PM
WELL TEMPERATURE :	117		
INITIAL HYDROSTATIC PRESSURE		(A)	1725
INITIAL FLOW PERIOD MIN:	30	(B)	23 PSI TO (C) : 23
INITIAL CLOSED IN PERIOD MIN:	27	(D)	1131
FINAL FLOW PERIOD MIN:	35	(E)	25 PSI TO (F) : 25
FINAL CLOSED IN PERIOD MIN:	27	(G)	1069
FINAL HYDROSTATIC PRESSURE		(H)	1688

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : H-30 DRILLING INC.
RIG : SEDGWICK-KS
FIELD : JEFFRIES
WELL : #4
DATE : 11-24-88
GAUGE NO : 13265

OPERATIONAL COMMENTS

CHLORIDES 3200 PPM

COMPANY : H-30 DRILLING INC.
WELL : #4
GAUGE # : 13265
DATE : 24/11/88

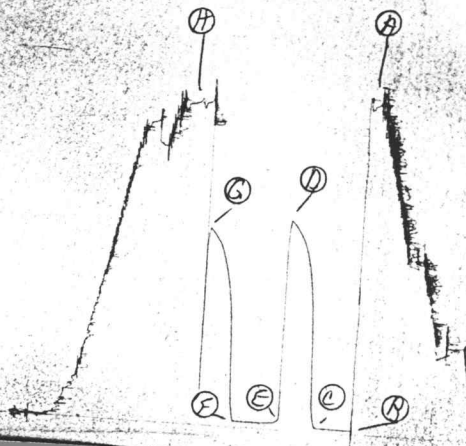
FIELD : JEFFRIES
JOB # : 14257
DEPTH : 3324
TEST :

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	11:59: 0	0.000	23.000	117.00	0.000
3	12: 3:59	0.083	23.000	117.00	0.000
4	12: 9: 0	0.167	23.000	117.00	0.000
5	12:14: 0	0.250	23.000	117.00	0.000
6	12:18:59	0.333	23.000	117.00	0.000
7	12:24: 0	0.417	23.000	117.00	0.000
8	12:29: 0	0.500	23.000	117.00	0.000
INITIAL SHUT IN PERIOD					
9	12:32: 0	0.550	226.000	117.00	203.000
10	12:35: 0	0.600	591.000	117.00	365.000
11	12:38: 0	0.650	824.000	117.00	233.000
12	12:41: 0	0.700	954.000	117.00	130.000
13	12:44: 0	0.750	1025.000	117.00	71.000
14	12:47: 0	0.800	1067.000	117.00	42.000
15	12:50: 0	0.850	1093.000	117.00	26.000
16	12:53: 0	0.900	1117.000	117.00	24.000
17	12:56: 0	0.950	1131.000	117.00	14.000
FINAL FLOW PERIOD					
18	12:57: 0	0.967	25.000	117.00	-1106.000
19	13: 0:59	1.033	25.000	117.00	0.000
20	13: 6: 0	1.117	25.000	117.00	0.000
21	13:11: 0	1.200	25.000	117.00	0.000
22	13:15:59	1.283	25.000	117.00	0.000
23	13:21: 0	1.367	25.000	117.00	0.000
24	13:26: 0	1.450	25.000	117.00	0.000
25	13:30:59	1.533	25.000	117.00	0.000
FINAL SHUT IN PERIOD					
26	13:33:59	1.583	296.000	117.00	271.000
27	13:36:59	1.633	646.000	117.00	350.000
28	13:39:59	1.683	827.000	117.00	181.000
29	13:42:59	1.733	916.000	117.00	89.000
30	13:45:59	1.783	970.000	117.00	54.000
31	13:48:59	1.833	1011.000	117.00	41.000
32	13:51:59	1.883	1041.000	117.00	30.000
33	13:54:59	1.933	1061.000	117.00	20.000
34	13:57:59	1.983	1069.000	117.00	8.000

WESTERN TESTING CO. INC.

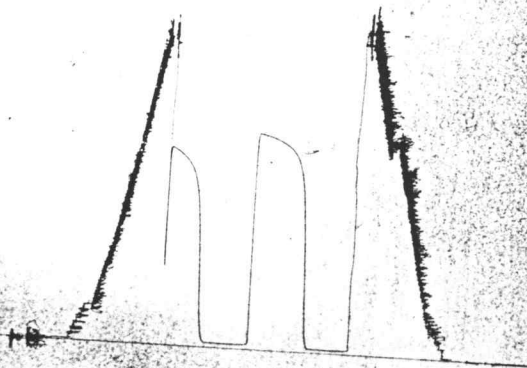
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TKT 14258

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY _____ H-30 DRILLING, INC.
LEASE & WELL NO. _____ JEFFRIES #4
SEC. 22 TWP. 26S RGE. 2E
TEST NO. 2
DATE 11/25/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	11-25-88	TICKET	:	14258
CUSTOMER	:	H-30 DRILLING INC.	LEASE	:	JEFFRIES
WELL	:	#4	TEST:	:	2
ELEVATION	:	1390 K.B.	GEOLOGIST	:	J. BURKE
SECTION	:	22	FORMATION	:	SIMPSON 5 SAND
RANGE	:	2E	TOWNSHIP	:	26S
GAUGE SN#	:	13265	COUNTY	:	SEDGWICK
			STATE	:	KANSAS
			RANGE	:	4100
			CLOCK	:	12

INTERVAL FROM	:	3323	TO	:	3336	TOTAL DEPTH	:	3336
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3318	SIZE	:	6.63			
PACKER DEPTH	:	3323	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	McALLISTER DRLG #10			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	37
WEIGHT	:	9.6	WATER LOSS (CC)	:	17.2
CHLORIDES (PPM)	:	3000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	330	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	2973	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	13	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 10 MINUTES.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 10 * FT OF: DRLG. MUD W/SLIGHT SHOW OF OIL

Total Barrels Fluid = 0.05
Total Fluid Prod Rate = 1.18 BFPD
Indicated Wtr Rate = 0.01 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES 3000 PPM
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	12:05 AM	TIME STARTED OFF BOTTOM :	2:05 AM
WELL TEMPERATURE :	117		
INITIAL HYDROSTATIC PRESSURE		(A)	1702
INITIAL FLOW PERIOD MIN:	30	(B)	21 PSI TO (C) : 21
INITIAL CLOSED IN PERIOD MIN:	30	(D)	1098
FINAL FLOW PERIOD MIN:	30	(E)	32 PSI TO (F) : 32
FINAL CLOSED IN PERIOD MIN:	30	(G)	1035
FINAL HYDROSTATIC PRESSURE		(H)	1669

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : H-30 DRILLING INC.
RIG : SEDGWICK-KANSAS
FIELD : JEFFRIES
WELL : #4
DATE : 11-25-88
GAUGE NO : 13265

OPERATIONAL COMMENTS

CHLORIDES 3000 PPM

COMPANY : H-30 DRILLING INC.
WELL : #4
GAUGE # : 13265
DATE : 25/11/88

FIELD : JEFFRIES
JOB # : 14258
DEPTH : 3336
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	12: 5: 0	0.000	21.000	117.00	0.000
3	12: 9:59	0.083	21.000	117.00	0.000
4	12:15: 0	0.167	21.000	117.00	0.000
5	12:20: 0	0.250	21.000	117.00	0.000
6	12:24:59	0.333	21.000	117.00	0.000
7	12:30: 0	0.417	21.000	117.00	0.000
8	12:35: 0	0.500	21.000	117.00	0.000
INITIAL SHUT IN					
9	12:38: 0	0.550	133.000	117.00	112.000
10	12:41: 0	0.600	484.000	117.00	351.000
11	12:44: 0	0.650	736.000	117.00	252.000
12	12:47: 0	0.700	870.000	117.00	134.000
13	12:50: 0	0.750	956.000	117.00	86.000
14	12:53: 0	0.800	1008.000	117.00	52.000
15	12:56: 0	0.850	1043.000	117.00	35.000
16	12:59: 0	0.900	1074.000	117.00	31.000
17	13: 2: 0	0.950	1095.000	117.00	21.000
18	13: 5: 0	1.000	1098.000	117.00	3.000
FINAL FLOW PERIOD					
19	13: 6: 0	1.017	32.000	117.00	-1066.000
20	13: 9:59	1.083	32.000	117.00	0.000
21	13:15: 0	1.167	32.000	117.00	0.000
22	13:20: 0	1.250	32.000	117.00	0.000
23	13:24:59	1.333	32.000	117.00	0.000
24	13:30: 0	1.417	32.000	117.00	0.000
25	13:35: 0	1.500	32.000	117.00	0.000
FINAL SHUT IN					
26	13:38: 0	1.550	33.000	117.00	1.000
27	13:41: 0	1.600	173.000	117.00	140.000
28	13:44: 0	1.650	494.000	117.00	321.000
29	13:47: 0	1.700	702.000	117.00	208.000
30	13:50: 0	1.750	816.000	117.00	114.000
31	13:53: 0	1.800	896.000	117.00	80.000
32	13:56: 0	1.850	955.000	117.00	59.000
33	13:59: 0	1.900	988.000	117.00	33.000
34	14: 2: 0	1.950	1018.000	117.00	30.000
35	14: 5: 0	2.000	1035.000	117.00	17.000

WESTERN TESTING CO. INC.