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FORMATION

TEST

REPORT

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COLO. OIL & GAS CONS. COMM.

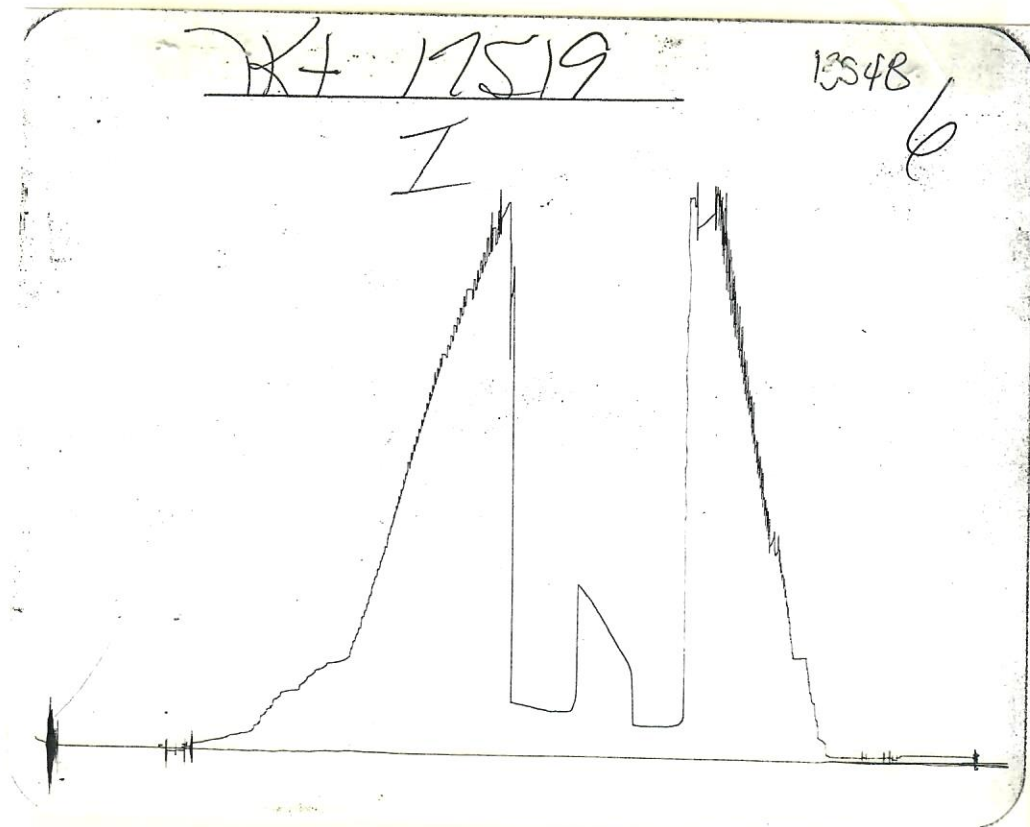


Home Office:

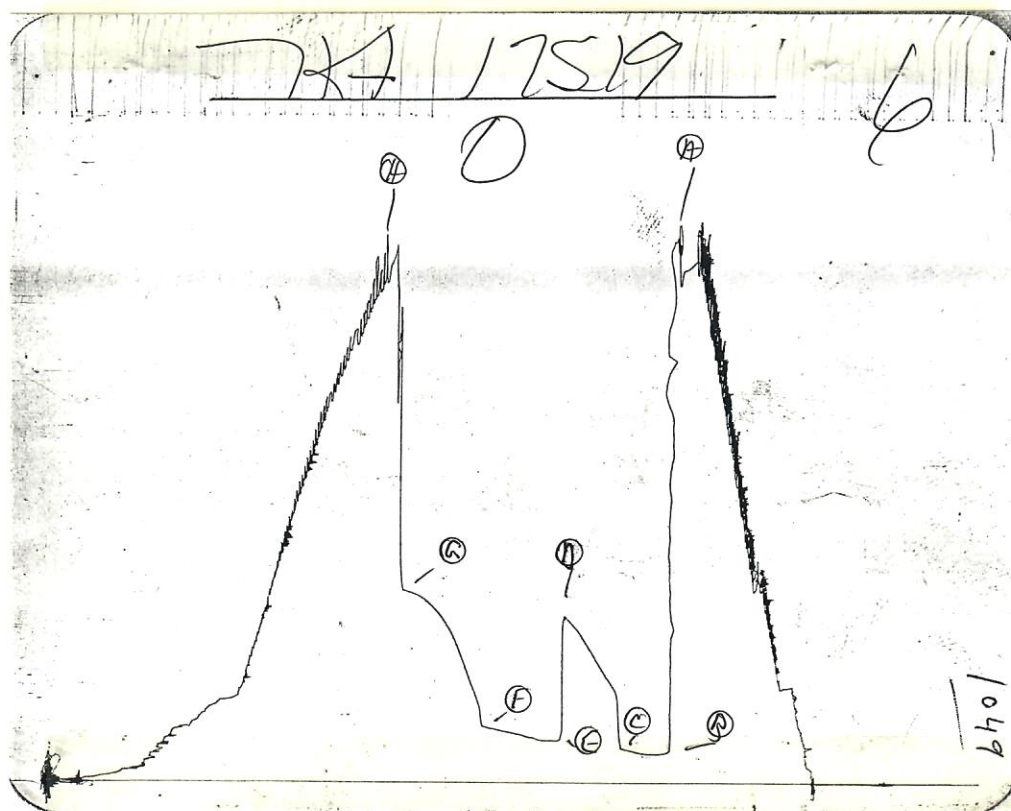
Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861



Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 1-3-92
CUSTOMER : MULL DRILLING COMPANY INC.
WELL : 1 TEST: 1
ELEVATION : 4555 KB
SECTION : 22
RANGE : 51W COUNTY : CHEYENNE
GAUGE SN# : 1049 RANGE : 4250
TICKET : 17519
LEASE : MORGAN
GEOLOGIST : MARTIN
FORMATION : ST. LOUIS
TOWNSHIP : 16S
STATE : COLORADO
CLOCK : 12

INTERVAL FROM : 5705 TO : 5763 TOTAL DEPTH : 5763
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 5700 SIZE : 6.75
PACKER DEPTH : 5705 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : KUDU
MUD TYPE : CHEMICAL VISCOSITY : 61
WEIGHT : 9.0 WATER LOSS (CC) : 8.0
CHLORIDES (PPM) : 750
JARS-MAKE : W.T.C. SERIAL NUMBER : 405
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 514 FT I.D. inch : 2.20
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 5162 FT I.D. inch : 3.80
TEST TOOL LENGTH : 29 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 58 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 : INITIAL FLOW PERIOD STRONG BLOW BOTTOM OF BUCKET
BLOW COMMENT #2 : IN 40 SECONDS - GAS TO SURFACE IN 20 MINUTES.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED	:	315	FT	OF: CLEAN GASSY OIL-(IN DRILL PIPE)
RECOVERED	:	151	FT	OF: CLEAN GASSY OIL-(IN DRILL COLLARS)
RECOVERED	:	181	FT	OF: HVY GAS & MUD CUT OIL
RECOVERED	:	0	FT	OF: 61%GAS;22%OIL;17%MUD
RECOVERED	:	181	FT	OF: OIL CUT MUD
RECOVERED	:	0	FT	OF: 10%GAS;22%OIL;68%MUD

Total Barrels Fluid	=	6.82
Total Fluid Prod Rate	=	103.39 BFPD
Indicated Oil Rate	=	68.13 BOPD
Indicated Wtr Rate	=	1.92 BWPD
Corrected Oil Rate	=	54.41 BOPD
Corrected Wtr Rate	=	1.53 BWPD

REMARK 1 :
 REMARK 2 : GRAVITY OF OIL 43 AT 60 DEGREES
 REMARK 3 : READ OUTSIDE RECORDER
 REMARK 4 :

SET PACKER(S)	:	12:50 A.M.	TIME STARTED OFF BOTTOM	:	4:05 A.M.
WELL TEMPERATURE	:	119			
INITIAL HYDROSTATIC PRESSURE			(A)	2839	
INITIAL FLOW PERIOD	MIN:	35	(B)	165	PSI TO (C) : 192
INITIAL CLOSED IN PERIOD	MIN:	42	(D)	926	
FINAL FLOW PERIOD	MIN:	60	(E)	238	PSI TO (F) : 318
FINAL CLOSED IN PERIOD	MIN:	60	(G)	1073	
FINAL HYDROSTATIC PRESSURE			(H)	2796	

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : MULL DRILLING COMPANY INC.
RIG : CHEYENNE-COLORADO
FIELD : MORGAN
WELL : 1
DATE : 1-3-92
GAUGE NO : 1049

OPERATIONAL COMMENTS

GRAVITY OF OIL 43 AT 60 DEGREES
READ OUTSIDE RECORDER

COMPANY : MULL DRILLING COMPANY INC.
WELL : 1
GAUGE # : 1049
DATE : 3/ 1/92

FIELD : MORGAN
JOB # : 17519
DEPTH : 5763
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	12:50: 0	0.000	165.000	119.00	0.000
3	12:54:59	0.083	165.000	119.00	0.000
4	13: 0: 0	0.167	165.000	119.00	0.000
5	13: 5: 0	0.250	165.000	119.00	0.000
6	13: 9:59	0.333	167.000	119.00	2.000
7	13:15: 0	0.417	174.000	119.00	7.000
8	13:20: 0	0.500	184.000	119.00	10.000
9	13:24:59	0.583	192.000	119.00	8.000
INITIAL SHUT-IN PERIOD					
10	13:27:59	0.633	465.000	119.00	273.000
11	13:30:59	0.683	534.000	119.00	69.000
12	13:33:59	0.733	569.000	119.00	35.000
13	13:36:59	0.783	603.000	119.00	34.000
14	13:39:59	0.833	640.000	119.00	37.000
15	13:42:59	0.883	677.000	119.00	37.000
16	13:45:59	0.933	716.000	119.00	39.000
17	13:48:59	0.983	753.000	119.00	37.000
18	13:51:59	1.033	787.000	119.00	34.000
19	13:54:59	1.083	824.000	119.00	37.000
20	13:57:59	1.133	856.000	119.00	32.000
21	14: 0:59	1.183	881.000	119.00	25.000
22	14: 3:59	1.233	904.000	119.00	23.000
23	14: 6:59	1.283	926.000	119.00	22.000
FINAL FLOW PERIOD					
24	14: 8: 0	1.300	238.000	119.00	-688.000
25	14:11:59	1.367	238.000	119.00	0.000
26	14:17: 0	1.450	238.000	119.00	0.000
27	14:21:59	1.533	238.000	119.00	0.000
28	14:26:59	1.617	248.000	119.00	10.000
29	14:32: 0	1.700	260.000	119.00	12.000
30	14:36:59	1.783	270.000	119.00	10.000
31	14:41:59	1.867	280.000	119.00	10.000
32	14:47: 0	1.950	288.000	119.00	8.000
33	14:51:59	2.033	295.000	119.00	7.000
34	14:56:59	2.117	304.000	119.00	9.000
35	15: 1:59	2.200	311.000	119.00	7.000
36	15: 6:59	2.283	318.000	119.00	7.000
FINAL SHUT-IN PERIOD					
37	15: 9:59	2.333	426.000	119.00	108.000
38	15:12:59	2.383	495.000	119.00	69.000
39	15:15:59	2.433	552.000	119.00	57.000
40	15:18:59	2.483	616.000	119.00	64.000
41	15:21:59	2.533	680.000	119.00	64.000
42	15:24:59	2.583	739.000	119.00	59.000
43	15:27:59	2.633	800.000	119.00	61.000
44	15:30:59	2.683	843.000	119.00	43.000
45	15:33:59	2.733	879.000	119.00	36.000
46	15:36:59	2.783	918.000	119.00	39.000
47	15:39:59	2.833	947.000	119.00	29.000
48	15:42:59	2.883	975.000	119.00	28.000

COMPANY : MULL DRILLING COMPANY INC.
WELL : 1
GAUGE # : 1049
DATE : 3/ 1/92

FIELD : MORGAN
JOB # : 17519
DEPTH : 5763
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	15:45:59	2.933	994.000	119.00	19.000
50	15:48:59	2.983	1013.000	119.00	19.000
51	15:51:59	3.033	1029.000	119.00	16.000
52	15:54:59	3.083	1044.000	119.00	15.000
53	15:57:59	3.133	1053.000	119.00	9.000
54	16: 0:59	3.183	1062.000	119.00	9.000
55	16: 3:59	3.233	1069.000	119.00	7.000
56	16: 6:59	3.283	1073.000	119.00	4.000

WESTERN TESTING CO. INC.

GAS FLOW REPORT

Date : 1-3-92	Ticket # : 17519
Customer : MULL DRILLING COMPANY INC.	Lease : MORGAN
Well : 1 Test : 1	Geologist : MARTIN
Elevation (KB) : 4555	Formation : ST. LOUIS
Section : 22	Township : 16S
Range : 51W	County : CHEYENNE
Gauge SN # : 1049	State : COLORADO
	Range : 4250 Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
PRE FLOW =====				
20 MIN.	MERLA	1"		GAS TO SURFACE
25 MIN.	MERLA	1"	7"WTR	68300 C.F.P.D.
30 MIN.	MERLA	1"	7"WTR	68300 C.F.P.D.

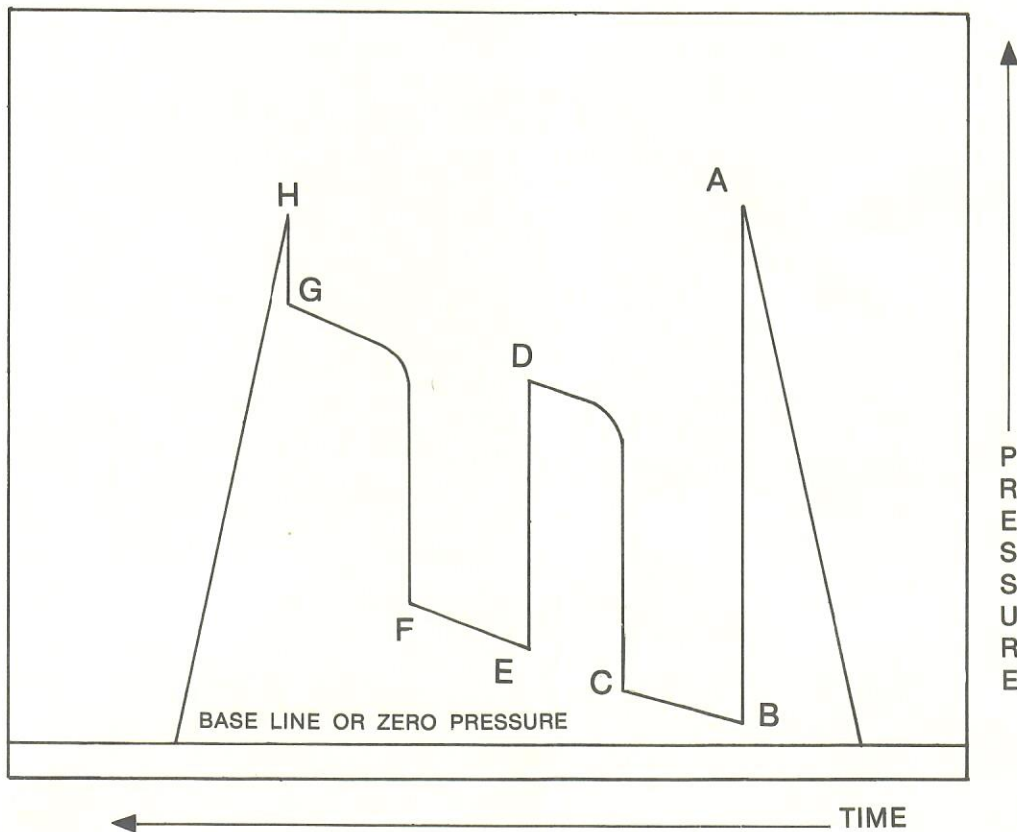
SECOND FLOW =====				
10 MIN.	MERLA	1/2"	16"WTR	25100 C.F.P.D.
20 MIN.	MERLA	1/2"	10"WTR	19900 C.F.P.D.
30 MIN.	MERLA	1/2"	15"WTR	24500 C.F.P.D.
40 MIN.	MERLA	1/2"	15"WTR	24500 C.F.P.D.
50 MIN.	MERLA	1/2"	15"WTR	24500 C.F.P.D.
60 MIN.	MERLA	1/2"	15"WTR	24500 C.F.P.D.

Gas Bottle SN # :
 Date Bottle Filled : 1-3-92
 Date to be Invoiced : 1-3-92

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

AK-1 Recorders



A - Initial Hydrostatic

B - First Initial Flow

C - First Final Flow

D - Initial Shut-In

E - Second Initial Flow

F - Second Final Flow

G - Final Shut-In

H - Final Hydrostatic