

Site # 13044



TD 13044

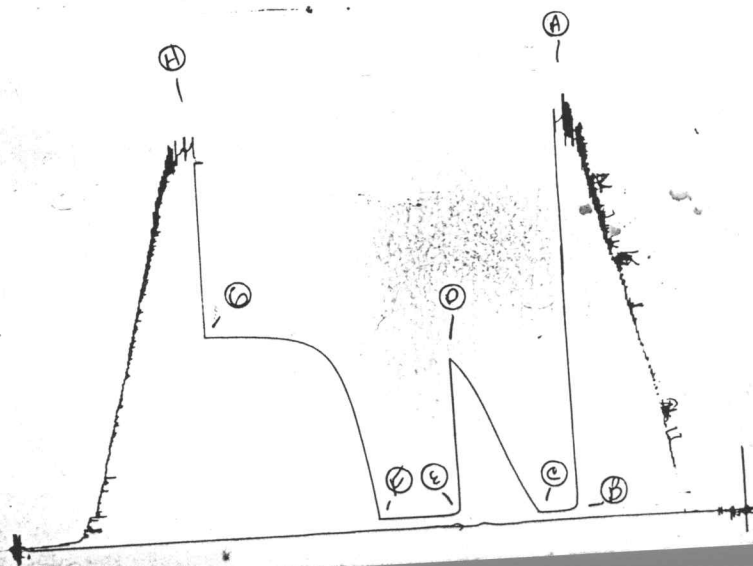
DST#1 2 MAR 85



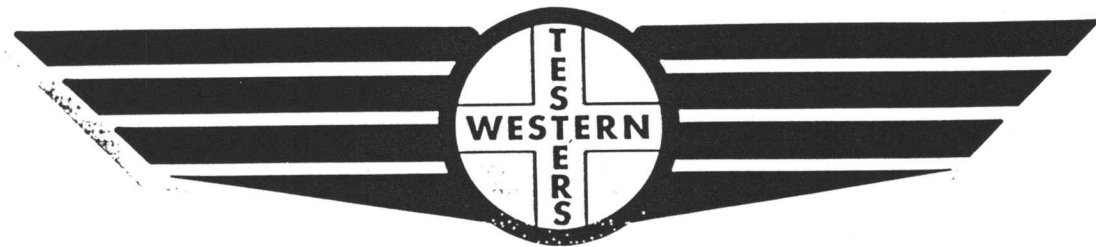
JKt # 13044

I

JKt 13044 DIST # 1 3659 rec



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY _____
MACC ENERGY COMPANY

LEASE & WELL NO. _____

RENDER #C-2 _____

SEC. _____

TWP. _____

30S

RGE. _____

7W

TEST NO. _____

1

DATE _____

9/7/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	9/7/87	TICKET	:	13044
CUSTOMER	:	MACK ENERGY COMPANY	LEASE	:	RENDER
WELL	:	C-2 TEST: 1	GEOLOGIST	:	NEAL
ELEVATION	:	1500 KB	FORMATION	:	MISSISSIPPI
SECTION	:	5	TOWNSHIP	:	30S
RANGE	:	7W	STATE	:	KANSAS
Gauge SN#	:	3659	CLOCK	:	12
		COUNTY :	KINGMAN		
		RANGE :	4100		

INTERVAL FROM	:	4160	TO	:	4177	TOTAL DEPTH	:	4177
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4155	SIZE	:	6.63			
PACKER DEPTH	:	4160	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	RAINS & WILLIAMSON RIG 3			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	41
WEIGHT	:	9.2	WATER LOSS (CC)	:	12.
CHLORIDES (PPM)	:	2000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:		REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	205	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3931	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	24	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	17	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	:	STRONG BLOW OFF BOTTOM OF BUCKET ON BOTH
BLOW COMMENT #2	:	FLOW PERIODS.
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 65 FT OF: GAS CUT MUD - SHOW OF OIL
RECOVERED : 0 FT OF: 10% GAS; 1% OIL; 89% MUD

Total Barrels Fluid = 0.32
Total Fluid Prod Rate = 5.11 BFPD
Indicated Oil Rate = 0.05 BOPD
Indicated Wtr Rate = 0.46 BWPD
Corrected Oil Rate = 2.52 BOPD
Corrected Wtr Rate = 22.44 BWPD

REMARK 1 :
REMARK 2 : 2100 FEET OF GAS ABOVE FLUID
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 12:20 PM

TIME STARTED OFF BOTTOM : 4:50 PM

WELL TEMPERATURE : 125

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 60

FINAL FLOW PERIOD MIN: 60

FINAL CLOSED IN PERIOD MIN: 120

FINAL HYDROSTATIC PRESSURE

(A) 2070

(B) 47 PSI TO (C) : 47

(D) 880

(E) 59 PSI TO (F) : 59

(G) 1063

(H) 2032

FLUID SAMPLE REPORT

Date : 9/7/87

Ticket No. : 13044

Company : MACK ENERGY COMPANY

Well Name & No. : RENDER C-2

DST No. 1

County : KINGMAN

State : KANSAS

Sampler No. : 1

Test Interval : 4160 - 4177

=====

Pressure in Sampler	90	PSIG	BHT	125	Deg F
---------------------	----	------	-----	-----	-------

Total Volume of Sampler :	3150	cc
---------------------------	------	----

Total Volume of Sample :	1200	cc
--------------------------	------	----

Oil:	cc
------	----

Water:	cc
--------	----

Mud: 1200	cc
-----------	----

Gas: 8.9	cu ft
----------	-------

Other:	cc
--------	----

=====

RESITIVITY

Drilling Mud	@	F	Chloride Content	ppm
--------------	---	---	------------------	-----

Mud Pit Sample .48	@	70 F	Chloride Content	2000 ppm
--------------------	---	------	------------------	----------

Gas/Oil Ratio	Gravity	API @	Deg F
---------------	---------	-------	-------

Where was sample drained RIG FLOOR

Remarks:

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : MACK ENERGY COMPANY
RIG : KINGMAN-KANSAS
FIELD : RENDER
WELL : C-2
DATE : 9/7/87
GAUGE NO : 3659

OPERATIONAL COMMENTS

2100 FEET OF GAS ABOVE FLUID

COMPANY : MACK ENERGY COMPANY
WELL : C-2
GAUGE # : 3659
DATE : 7/ 9/87

FIELD : RENDER
JOB # : 13044
DEPTH : 4177
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	12:20: 0	0.000	47.000	125.00	0.000
2	12:24:59	0.083	47.000	125.00	0.000
3	12:30: 0	0.167	47.000	125.00	0.000
4	12:35: 0	0.250	47.000	125.00	0.000
5	12:39:59	0.333	47.000	125.00	0.000
6	12:45: 0	0.417	47.000	125.00	0.000
7	12:50: 0	0.500	47.000	125.00	0.000
8	12:53: 0	0.550	77.000	125.00	30.000
9	12:56: 0	0.600	118.000	125.00	41.000
10	12:59: 0	0.650	153.000	125.00	35.000
11	13: 2: 0	0.700	193.000	125.00	40.000
12	13: 5: 0	0.750	238.000	125.00	45.000
13	13: 8: 0	0.800	285.000	125.00	47.000
14	13:11: 0	0.850	332.000	125.00	47.000
15	13:14: 0	0.900	384.000	125.00	52.000
16	13:17: 0	0.950	436.000	125.00	52.000
17	13:20: 0	1.000	487.000	125.00	51.000
18	13:23: 0	1.050	537.000	125.00	50.000
19	13:26: 0	1.100	587.000	125.00	50.000
20	13:29: 0	1.150	635.000	125.00	48.000
21	13:32: 0	1.200	683.000	125.00	48.000
22	13:35: 0	1.250	721.000	125.00	38.000
23	13:38: 0	1.300	760.000	125.00	39.000
24	13:41: 0	1.350	792.000	125.00	32.000
25	13:44: 0	1.400	820.000	125.00	28.000
26	13:47: 0	1.450	850.000	125.00	30.000
27	13:50: 0	1.500	880.000	125.00	30.000
28	13:51: 0	1.517	59.000	125.00	-821.000
29	13:54:59	1.583	59.000	125.00	0.000
30	14: 0: 0	1.667	59.000	125.00	0.000
31	14: 5: 0	1.750	59.000	125.00	0.000
32	14: 9:59	1.833	59.000	125.00	0.000
33	14:15: 0	1.917	59.000	125.00	0.000
34	14:20: 0	2.000	59.000	125.00	0.000
35	14:24:59	2.083	59.000	125.00	0.000
36	14:30: 0	2.167	59.000	125.00	0.000
37	14:35: 0	2.250	59.000	125.00	0.000
38	14:39:59	2.333	59.000	125.00	0.000
39	14:45: 0	2.417	59.000	125.00	0.000
40	14:50: 0	2.500	59.000	125.00	0.000
41	14:53: 0	2.550	206.000	125.00	147.000
42	14:56: 0	2.600	324.000	125.00	118.000
43	14:59: 0	2.650	434.000	125.00	110.000
44	15: 2: 0	2.700	525.000	125.00	91.000
45	15: 5: 0	2.750	615.000	125.00	90.000
46	15: 8: 0	2.800	693.000	125.00	78.000
47	15:11: 0	2.850	754.000	125.00	61.000
48	15:14: 0	2.900	808.000	125.00	54.000
49	15:17: 0	2.950	850.000	125.00	42.000
50	15:20: 0	3.000	888.000	125.00	38.000
51	15:23: 0	3.050	918.000	125.00	30.000
52	15:26: 0	3.100	940.000	125.00	22.000

COMPANY : MACK ENERGY COMPANY
WELL : C-2
GAUGE # : 3659
DATE : 7/ 9/87

FIELD : RENDER
JOB # : 13044
DEPTH : 4177
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	15:29: 0	3.150	958.000	125.00	18.000
54	15:32: 0	3.200	974.000	125.00	16.000
55	15:35: 0	3.250	988.000	125.00	14.000
56	15:38: 0	3.300	998.000	125.00	10.000
57	15:41: 0	3.350	1007.000	125.00	9.000
58	15:44: 0	3.400	1013.000	125.00	6.000
59	15:47: 0	3.450	1020.000	125.00	7.000
60	15:50: 0	3.500	1025.000	125.00	5.000
61	15:53: 0	3.550	1030.000	125.00	5.000
62	15:56: 0	3.600	1035.000	125.00	5.000
63	15:59: 0	3.650	1038.000	125.00	3.000
64	16: 2: 0	3.700	1041.000	125.00	3.000
65	16: 5: 0	3.750	1043.000	125.00	2.000
66	16: 8: 0	3.800	1045.000	125.00	2.000
67	16:11: 0	3.850	1047.000	125.00	2.000
68	16:14: 0	3.900	1049.000	125.00	2.000
69	16:17: 0	3.950	1051.000	125.00	2.000
70	16:20: 0	4.000	1053.000	125.00	2.000
71	16:23: 0	4.050	1054.000	125.00	1.000
72	16:26: 0	4.100	1055.000	125.00	1.000
73	16:29: 0	4.150	1056.000	125.00	1.000
74	16:32: 0	4.200	1057.000	125.00	1.000
75	16:35: 0	4.250	1058.000	125.00	1.000
76	16:38: 0	4.300	1059.000	125.00	1.000
77	16:41: 0	4.350	1060.000	125.00	1.000
78	16:44: 0	4.400	1061.000	125.00	1.000
79	16:47: 0	4.450	1062.000	125.00	1.000
80	16:50: 0	4.500	1063.000	125.00	1.000

WESTERN TESTING CO. INC.