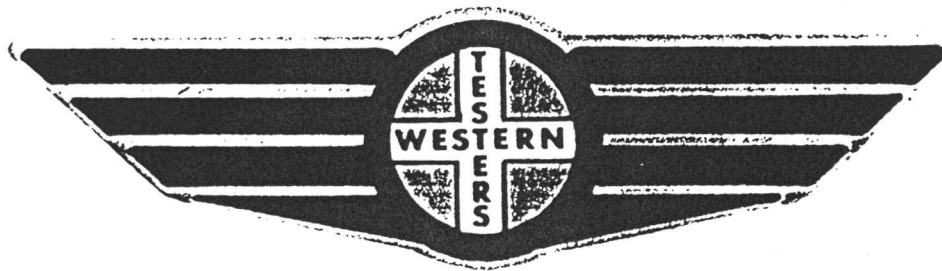


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 9-12-87 TICKET : 11865
CUSTOMER : MID-CONTINENT ENERGY CORP. LEASE : WALZ
WELL : #3 TEST: 1 GEOLOGIST : K. ROBERTS
ELEVATION : 2192 GL FORMATION : LANSING B
SECTION : 11 TOWNSHIP : 11S
RANGE : 21W COUNTY : TREGO STATE : KANSAS
GAUGE SN# : 13549 RANGE : 4100 CLOCK : 12

INTERVAL FROM : 3510 TO : 3535 TOTAL DEPTH : 3535
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3505 SIZE : 6.63
PACKER DEPTH : 3510 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #1
MUD TYPE : STARCH VISCOSITY : 45
WEIGHT : 9.7 WATER LOSS (CC) : 17.6
CHLORIDES (PPM) : 30000
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 : 3490 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 25 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : INITIAL FLOW-WEAK BLOW-BUILDING IN 3".
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW-BUILDING IN 2".
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 30 FT OF: MUD / WITH TRACE OF OIL.

Total Barrels Fluid = 0.42
Total Fluid Prod Rate = 8.08 BFPD
Indicated Wtr Rate = 0.81 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 10:00 AM	TIME STARTED OFF BOTTOM : 12:30 PM
WELL TEMPERATURE : 112	
INITIAL HYDROSTATIC PRESSURE	(A) 1790
INITIAL FLOW PERIOD MIN: 30	(B) 50 PSI TO (C) : 50
INITIAL CLOSED IN PERIOD MIN: 30	(D) 80
FINAL FLOW PERIOD MIN: 45	(E) 55 PSI TO (F) : 55
FINAL CLOSED IN PERIOD MIN: 45	(G) 83
FINAL HYDROSTATIC PRESSURE	(H) 1773

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : MID-CONTINENT ENERGY CORP.
RIG : TREGO-KANSAS
FIELD : WALZ
WELL : #3
DATE : 9-12-87
GAUGE NO : 13549

OPERATIONAL COMMENTS

COMPANY : MID-CONTINENT ENERGY CORP.
WELL : #3
GAUGE # : 13549
DATE : 12/ 9/87

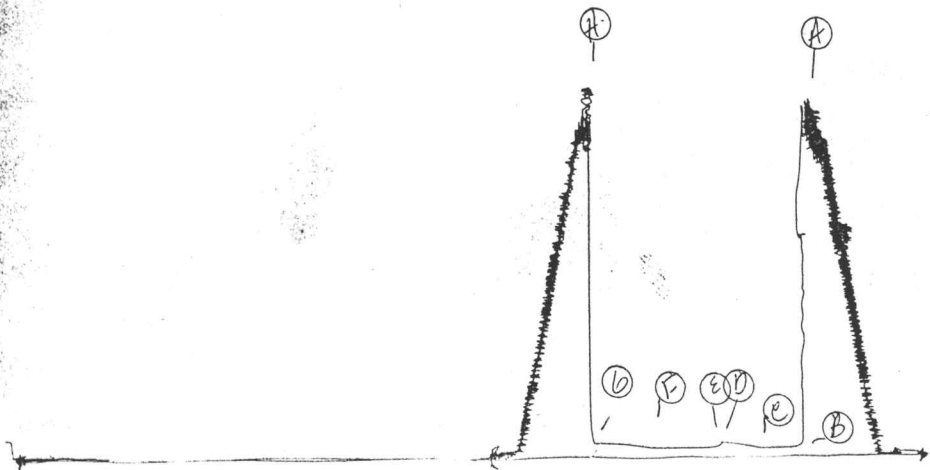
FIELD : WALZ
JOB # : 11865
DEPTH : 3535
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	10: 0: 0	0.000	50.000	112.00	0.000
2	10: 4: 59	0.083	50.000	112.00	0.000
3	10:10: 0	0.167	50.000	112.00	0.000
4	10:15: 0	0.250	50.000	112.00	0.000
5	10:19:59	0.333	50.000	112.00	0.000
6	10:25: 0	0.417	50.000	112.00	0.000
7	10:30: 0	0.500	50.000	112.00	0.000
8	10:33: 0	0.550	52.000	112.00	2.000
9	10:36: 0	0.600	55.000	112.00	3.000
10	10:39: 0	0.650	59.000	112.00	4.000
11	10:42: 0	0.700	63.000	112.00	4.000
12	10:45: 0	0.750	68.000	112.00	5.000
13	10:48: 0	0.800	71.000	112.00	3.000
14	10:51: 0	0.850	74.000	112.00	3.000
15	10:54: 0	0.900	76.000	112.00	2.000
16	10:57: 0	0.950	78.000	112.00	2.000
17	11: 0: 0	1.000	80.000	112.00	2.000
18	11: 1: 0	1.017	55.000	112.00	-25.000
19	11: 4: 59	1.083	55.000	112.00	0.000
20	11:10: 0	1.167	55.000	112.00	0.000
21	11:15: 0	1.250	55.000	112.00	0.000
22	11:19:59	1.333	55.000	112.00	0.000
23	11:25: 0	1.417	55.000	112.00	0.000
24	11:30: 0	1.500	55.000	112.00	0.000
25	11:34:59	1.583	55.000	112.00	0.000
26	11:40: 0	1.667	55.000	112.00	0.000
27	11:45: 0	1.750	55.000	112.00	0.000
28	11:48: 0	1.800	56.000	112.00	1.000
29	11:51: 0	1.850	57.000	112.00	1.000
30	11:54: 0	1.900	59.000	112.00	2.000
31	11:57: 0	1.950	62.000	112.00	3.000
32	12: 0: 0	2.000	65.000	112.00	3.000
33	12: 3: 0	2.050	68.000	112.00	3.000
34	12: 5: 59	2.100	71.000	112.00	3.000
35	12: 9: 0	2.150	74.000	112.00	3.000
36	12:12: 0	2.200	76.000	112.00	2.000
37	12:15: 0	2.250	78.000	112.00	2.000
38	12:18: 0	2.300	79.000	112.00	1.000
39	12:21: 0	2.350	80.000	112.00	1.000
40	12:24: 0	2.400	81.000	112.00	1.000
41	12:27: 0	2.450	82.000	112.00	1.000
42	12:30: 0	2.500	83.000	112.00	1.000

WESTERN TESTING CO. INC.

Site # 11865

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1577

JKE # 11865

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