

JK # 11891

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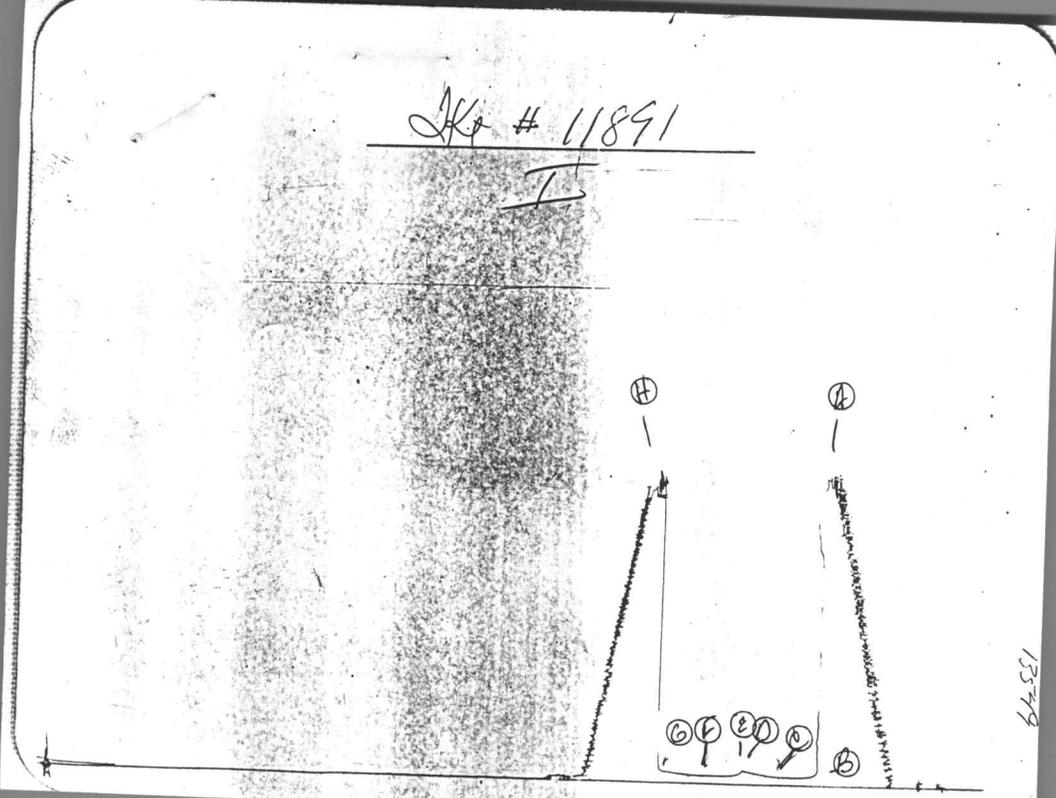
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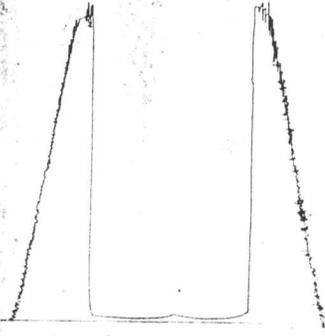
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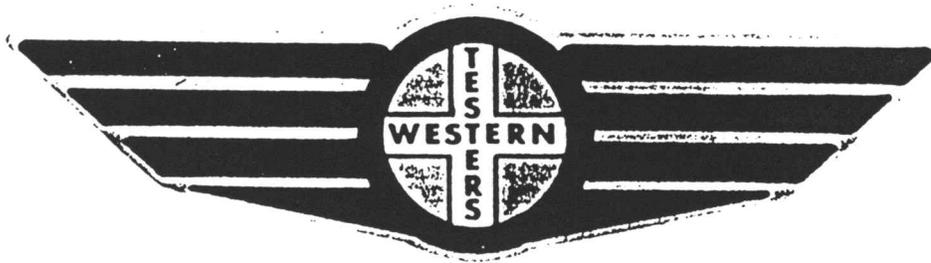
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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY MURFIN DRILLING COMPANY & LEASE & WELL NO. GRIFFIN #1-14 SEC. 14 TWP. 18SRGE. TEST NO. 1 DATE 10/23/87  
CHARLES PETROLEUM CORP.

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 10-23-87 TICKET : 11889  
CUSTOMER : MURFIN DRILLING CO. & CHARLES PETROLEUM CORP.  
WELL : #1-14 TEST: 1 LEASE : GRIFFIN  
ELEVATION : 1760 GL GEOLOGIST : C. SCHMALTZ  
SECTION : 14 FORMATION : LANS-A-B  
RANGE : 11W COUNTY : BARTON TOWNSHIP : 18S  
GAUGE SN# : 13549 RANGE : 4100 STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 2999 TO : 3035 TOTAL DEPTH : 3035  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 2994 SIZE : 6.63  
PACKER DEPTH : 2999 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : WOODMAN-IANNITTI RIG #3  
MUD TYPE : STARCH VISCOSITY : 35  
WEIGHT : 9.6 WATER LOSS (CC) : 9.6  
CHLORIDES (PPM) : 85000  
JARS-MAKE : - SERIAL NUMBER : -  
DID WELL FLOW ? : - REVERSED OUT ? : -

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 382 FT I.D. inch : 2.75  
DRILL PIPE LENGTH : 2597 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 36 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 2 1/2".  
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW-BUILDING OFF BOTTOM IN 42 MINUTES  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :



WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
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COMPANY : MURFIN DRILLING CO. & CHARLES PETROLEUM CORP.  
RIG : BARTON-KANSAS  
FIELD : GRIFFIN  
WELL : #1-14  
DATE : 10-23-87  
GAUGE NO : 13549

OPERATIONAL COMMENTS

RECOVERED 180 FEET OF GAS ABOVE FLUID.

COMPANY : MURFIN DRILLING CO. & CHARLES PETROLEUM CORP.

FIELD : GRIFFIN

WELL : #1-14

JOB # : 11889

GAUGE # : 13549

DEPTH : 3035

DATE : 23/10/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	8:35: 0	0.000	41.000	106.00	0.000
2	8:39:59	0.083	41.000	106.00	0.000
3	8:45: 0	0.167	41.000	106.00	0.000
4	8:50: 0	0.250	41.000	106.00	0.000
5	8:54:59	0.333	41.000	106.00	0.000
6	9: 0: 0	0.417	41.000	106.00	0.000
7	9: 5: 0	0.500	41.000	106.00	0.000
8	9: 8: 0	0.550	44.000	106.00	3.000
9	9:11: 0	0.600	48.000	106.00	4.000
10	9:14: 0	0.650	53.000	106.00	5.000
11	9:17: 0	0.700	59.000	106.00	6.000
12	9:20: 0	0.750	66.000	106.00	7.000
13	9:23: 0	0.800	73.000	106.00	7.000
14	9:26: 0	0.850	78.000	106.00	5.000
15	9:29: 0	0.900	85.000	106.00	7.000
16	9:32: 0	0.950	91.000	106.00	6.000
17	9:35: 0	1.000	99.000	106.00	8.000
18	9:38: 0	1.050	108.000	106.00	9.000
19	9:41: 0	1.100	116.000	106.00	8.000
20	9:44: 0	1.150	126.000	106.00	10.000
21	9:47: 0	1.200	132.000	106.00	6.000
22	9:48: 0	1.217	41.000	106.00	-91.000
23	9:51:59	1.283	41.000	106.00	0.000
24	9:57: 0	1.367	41.000	106.00	0.000
25	10: 2: 0	1.450	41.000	106.00	0.000
26	10: 6:59	1.533	41.000	106.00	0.000
27	10:12: 0	1.617	41.000	106.00	0.000
28	10:17: 0	1.700	41.000	106.00	0.000
29	10:21:59	1.783	41.000	106.00	0.000
30	10:27: 0	1.867	41.000	106.00	0.000
31	10:32: 0	1.950	41.000	106.00	0.000
32	10:36:59	2.033	41.000	106.00	0.000
33	10:42: 0	2.117	41.000	106.00	0.000
34	10:47: 0	2.200	41.000	106.00	0.000
35	10:50: 0	2.250	46.000	106.00	5.000
36	10:53: 0	2.300	51.000	106.00	5.000
37	10:56: 0	2.350	54.000	106.00	3.000
38	10:59: 0	2.400	59.000	106.00	5.000
39	11: 2: 0	2.450	66.000	106.00	7.000
40	11: 5: 0	2.500	71.000	106.00	5.000
41	11: 8: 0	2.550	77.000	106.00	6.000
42	11:11: 0	2.600	81.000	106.00	4.000
43	11:14: 0	2.650	88.000	106.00	7.000
44	11:17: 0	2.700	94.000	106.00	6.000
45	11:20: 0	2.750	99.000	106.00	5.000
46	11:23: 0	2.800	104.000	106.00	5.000
47	11:26: 0	2.850	112.000	106.00	8.000
48	11:29: 0	2.900	118.000	106.00	6.000
49	11:32: 0	2.950	123.000	106.00	5.000
50	11:35: 0	3.000	130.000	106.00	7.000
51	11:38: 0	3.050	138.000	106.00	8.000
52	11:41: 0	3.100	145.000	106.00	7.000

COMPANY : MURFIN DRILLING CO. & CHARLES PETROLEUM CORP.

FIELD : GRIFFIN

WELL : #1-14

JOB # : 11889

GAUGE # : 13549

DEPTH : 3035

DATE : 23/10/87

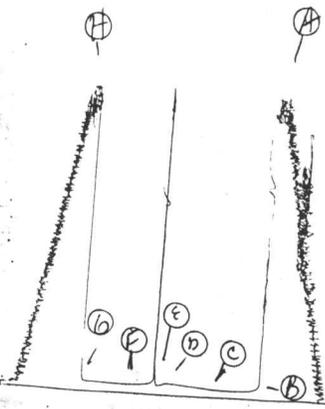
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	11:44: 0	3.150	152.000	106.00	7.000
54	11:47: 0	3.200	160.000	106.00	8.000
55	11:50: 0	3.250	168.000	106.00	8.000
56	11:53: 0	3.300	176.000	106.00	8.000
57	11:56: 0	3.350	184.000	106.00	8.000
58	11:59: 0	3.400	189.000	106.00	5.000
59	12: 2: 0	3.450	197.000	106.00	8.000

WESTERN TESTING CO. INC.

Site # 11890

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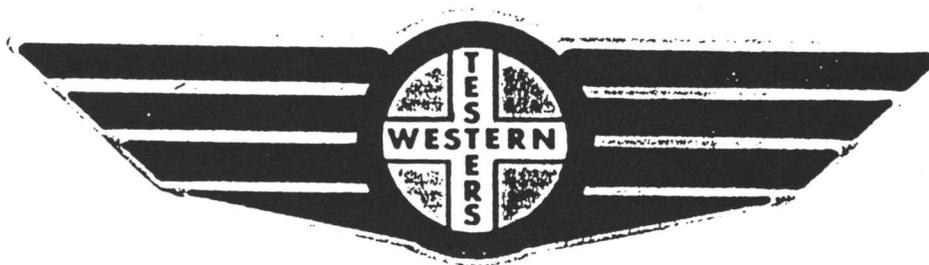
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JK # 11890  
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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY MURFIN DRILLING COMPANY & LEASE & WELL NO. GRIFFIN #1-14 SEC. 14 TWP. 18S RGE. 11W TEST NO. 2 DATE 10/24/87  
CHARLES PETROLEUM CORP.

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 10-24-87 TICKET : 11890  
CUSTOMER : MURFIN DRILLING CO. & CHARLES PETROLEUM CORP.  
WELL : #1-14 TEST: 2 LEASE : GRIFFIN  
ELEVATION : 1760 GL GEOLOGIST : C. SCHMALTZ  
SECTION : 14 FORMATION : LANS-D-E-F  
RANGE : 11W COUNTY : BARTON TOWNSHIP : 18S  
GAUGE SN# : 13549 RANGE : 4100 STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 3034 TO : 3075 TOTAL DEPTH : 3075  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 3029 SIZE : 6.63  
PACKER DEPTH : 3034 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : WOODMAN-IANNITTI RIG #3  
MUD TYPE : STARCH VISCOSITY : 35  
WEIGHT : 9.6 WATER LOSS (CC) : 9.6  
CHLORIDES (PPM) : 85000  
JARS-MAKE : - SERIAL NUMBER : -  
DID WELL FLOW ? : - REVERSED OUT ? : -

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 382 FT I.D. inch : 2.75  
DRILL PIPE LENGTH : 2632 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 41 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 1 1/2" SLOWLY  
DECREASING IN 15 MINUTES.  
BLOW COMMENT #2 : FINAL FLOW-NO BLOW-FLUSHED TOOL-NO BLOW.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 20 FT OF: MUD / WITH TRACE OF OIL

Total Barrels Fluid = 0.15  
Total Fluid Prod Rate = 3.53 BFPD  
Indicated Wtr Rate = 0.35 BWPD

REMARK 1 : FLUSHED TOOL FINAL FLOW.

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 9:20 AM

TIME STARTED OFF BOTTOM : 11:35 AM

WELL TEMPERATURE : 106

INITIAL HYDROSTATIC PRESSURE

(A) 1537

INITIAL FLOW PERIOD MIN: 30

(B) 39 PSI TO (C) : 39

INITIAL CLOSED IN PERIOD MIN: 39

(D) 60

FINAL FLOW PERIOD MIN: 30

(E) 46 PSI TO (F) : 42

FINAL CLOSED IN PERIOD MIN: 30

(G) 49

FINAL HYDROSTATIC PRESSURE

(H) 1534

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
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COMPANY : MURFIN DRILLING CO. & CHARLES PETROLEUM CORP.  
RIG : BARTON-KANSAS  
FIELD : GRIFFIN  
WELL : #1-14  
DATE : 10-24-87  
GAUGE NO : 13549

OPERATIONAL COMMENTS

FLUSHED TOOL FINAL FLOW.

COMPANY : MURFIN DRILLING CO. & CHARLES PETROLEUM CORP.

WELL : #1-14  
 GAUGE # : 13549  
 DATE : 24/10/87

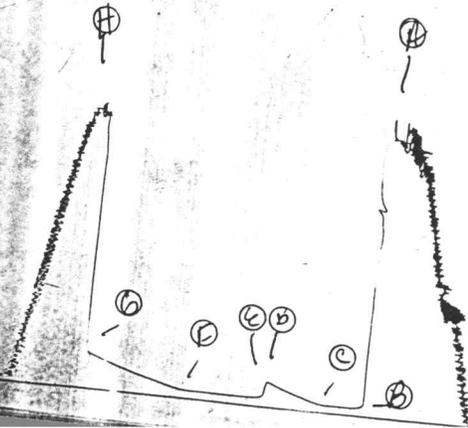
FIELD : GRIFFIN  
 JOB # : 11890  
 DEPTH : 3075  
 TEST : FLUSHED TOOL FINAL FLOW.

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	9:20:0	0.000	39.000	106.00	0.000
2	9:24:59	0.083	39.000	106.00	0.000
3	9:30:0	0.167	39.000	106.00	0.000
4	9:35:0	0.250	39.000	106.00	0.000
5	9:39:59	0.333	39.000	106.00	0.000
6	9:45:0	0.417	39.000	106.00	0.000
7	9:50:0	0.500	39.000	106.00	0.000
8	9:53:0	0.550	41.000	106.00	2.000
9	9:56:0	0.600	43.000	106.00	2.000
10	9:59:0	0.650	45.000	106.00	2.000
11	10:02:0	0.700	46.000	106.00	1.000
12	10:05:0	0.750	47.000	106.00	1.000
13	10:08:0	0.800	48.000	106.00	1.000
14	10:11:0	0.850	49.000	106.00	1.000
15	10:14:0	0.900	51.000	106.00	2.000
16	10:17:0	0.950	53.000	106.00	2.000
17	10:20:0	1.000	56.000	106.00	3.000
18	10:23:0	1.050	58.000	106.00	2.000
19	10:26:0	1.100	59.000	106.00	1.000
20	10:29:0	1.150	60.000	106.00	1.000
21	10:30:0	1.167	46.000	106.00	-14.000
22	10:33:59	1.233	46.000	106.00	0.000
23	10:39:0	1.317	58.000	106.00	12.000
24	10:44:0	1.400	48.000	106.00	-10.000
25	10:48:59	1.483	45.000	106.00	-3.000
26	10:54:0	1.567	43.000	106.00	-2.000
27	10:59:0	1.650	42.000	106.00	-1.000
28	11:01:59	1.700	43.000	106.00	1.000
29	11:05:0	1.750	44.000	106.00	1.000
30	11:08:0	1.800	45.000	106.00	1.000
31	11:11:0	1.850	46.000	106.00	1.000
32	11:14:0	1.900	46.000	106.00	0.000
33	11:17:0	1.950	46.000	106.00	0.000
34	11:20:0	2.000	46.000	106.00	0.000
35	11:23:0	2.050	47.000	106.00	1.000
36	11:26:0	2.100	48.000	106.00	1.000
37	11:29:0	2.150	49.000	106.00	1.000

WESTERN TESTING CO. INC.

Site # 11889

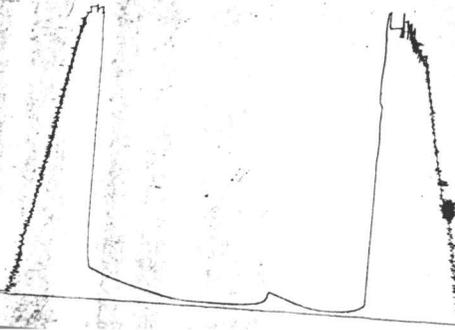
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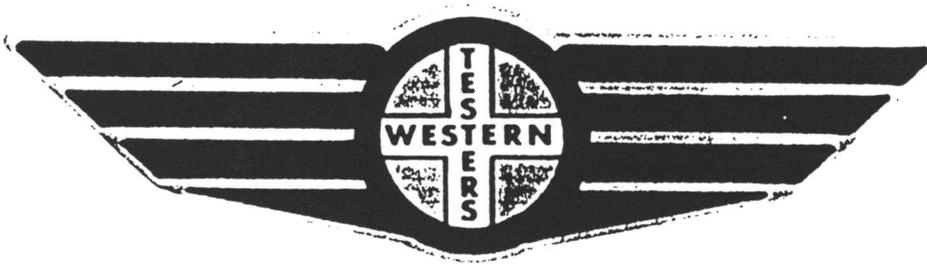
JK # 11889

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13553

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY MURFIN DRILLING COMPANY & LEASE & WELL NO. GRIFFIN #1-14 SEC. 14 TWP. 18SRGE. 11WTEST NO. 3 DATE 10/24/87  
CHARLES PETROLEUM CORP.

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 10-24-87 TICKET : 11891  
CUSTOMER : MURFIN DRILLING CO & CHARLES PETROLEUM CORP.  
WELL : #1-14 TEST: 3 LEASE : GRIFFIN  
ELEVATION : 1760 GL GEOLOGIST : C. SCHMALTZ  
SECTION : 14 FORMATION : LANSING J  
RANGE : 11W COUNTY : BARTON TOWNSHIP : 18S  
GAUGE SN# : 13549 RANGE : 4100 STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 3126 TO : 3195 TOTAL DEPTH : 3195  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 3121 SIZE : 6.63  
PACKER DEPTH : 3126 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : WOODMAN-IANNITTI RIG #3  
MUD TYPE : STARCH VISCOSITY : 46  
WEIGHT : 9.5 WATER LOSS (CC) : 12.0  
CHLORIDES (PPM) : 78000  
JARS-MAKE : - SERIAL NUMBER : -  
DID WELL FLOW ? : - REVERSED OUT ? : -

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 382 FT I.D. inch : 2.70  
DRILL PIPE LENGTH : 2724 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 69 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 1 1/2".  
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW-BUILDING IN 1.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

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

Total Barrels Fluid = 0.21  
Total Fluid Prod Rate = 5.10 BFPD  
Indicated Wtr Rate = 0.51 BWPD

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

SET PACKER(S) :	1:10 AM	TIME STARTED OFF BOTTOM :	3:10 AM
WELL TEMPERATURE :	108		
INITIAL HYDROSTATIC PRESSURE		(A)	1648
INITIAL FLOW PERIOD MIN:	30	(B)	47 PSI TO (C) : 47
INITIAL CLOSED IN PERIOD MIN:	24	(D)	75
FINAL FLOW PERIOD MIN:	30	(E)	46 PSI TO (F) : 46
FINAL CLOSED IN PERIOD MIN:	30	(G)	65
FINAL HYDROSTATIC PRESSURE		(H)	1611

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
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COMPANY : MURFIN DRILLING CO & CHARLES PETROLEUM CORP.  
RIG : BARTON-KANSAS  
FIELD : GRIFFIN  
WELL : #1-14  
DATE : 10-24-87  
GAUGE NO : 13549

OPERATIONAL COMMENTS

COMPANY : MURFIN DRILLING CO & CHARLES PETROLEUM CORP.

FIELD : GRIFFIN

WELL : #1-14

JOB # : 11891

GAUGE # : 13549

DEPTH : 3195

DATE : 24/10/87

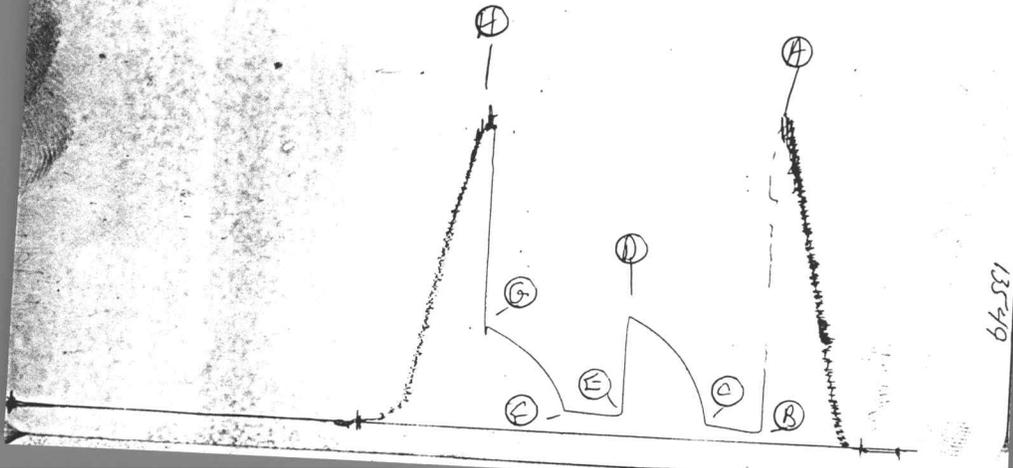
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P $P_i - P_{(i-1)}$
1	1:10:0	0.000	47.000	108.00	0.000
2	1:14:59	0.083	47.000	108.00	0.000
3	1:20:0	0.167	47.000	108.00	0.000
4	1:25:0	0.250	47.000	108.00	0.000
5	1:29:59	0.333	47.000	108.00	0.000
6	1:35:0	0.417	47.000	108.00	0.000
7	1:40:0	0.500	47.000	108.00	0.000
8	1:43:0	0.550	49.000	108.00	2.000
9	1:46:0	0.600	52.000	108.00	3.000
10	1:49:0	0.650	56.000	108.00	4.000
11	1:52:0	0.700	58.000	108.00	2.000
12	1:55:0	0.750	63.000	108.00	5.000
13	1:58:0	0.800	66.000	108.00	3.000
14	2:01:0	0.850	70.000	108.00	4.000
15	2:04:0	0.900	75.000	108.00	5.000
16	2:05:0	0.917	46.000	108.00	-29.000
17	2:08:59	0.983	46.000	108.00	0.000
18	2:14:0	1.067	46.000	108.00	0.000
19	2:19:0	1.150	46.000	108.00	0.000
20	2:23:59	1.233	46.000	108.00	0.000
21	2:29:0	1.317	46.000	108.00	0.000
22	2:34:0	1.400	46.000	108.00	0.000
23	2:36:59	1.450	46.000	108.00	0.000
24	2:40:0	1.500	46.000	108.00	0.000
25	2:43:0	1.550	48.000	108.00	2.000
26	2:46:0	1.600	50.000	108.00	2.000
27	2:49:0	1.650	52.000	108.00	2.000
28	2:52:0	1.700	55.000	108.00	3.000
29	2:55:0	1.750	57.000	108.00	2.000
30	2:58:0	1.800	60.000	108.00	3.000
31	3:00:59	1.850	63.000	108.00	3.000
32	3:04:0	1.900	65.000	108.00	2.000

WESTERN TESTING CO. INC.

TKT 11892

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135-49

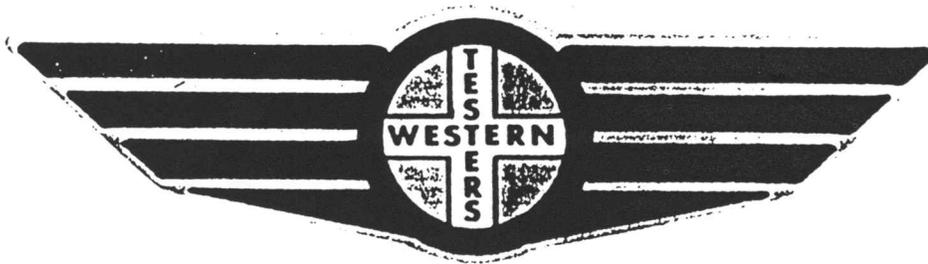
KT 11892

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13573

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 10-25-87 TICKET : 11892  
CUSTOMER : MURFIN DRILLING CO & CHARLES PETROLEUM CORP.  
WELL : #1-14 TEST: 4 LEASE : GRIFFIN  
ELEVATION : 1760 GL GEOLOGIST : C. SCHMALTZ  
SECTION : 14 FORMATION : ARBUCKLE  
RANGE : 11W COUNTY : BARTON TOWNSHIP : 18S  
GAUGE SN# : 13549 RANGE : 4100 STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 3257 TO : 3310 TOTAL DEPTH : 3310  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 3352 SIZE : 6.63  
PACKER DEPTH : 3357 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : WOODMAN-IANNITTI RIG #3  
MUD TYPE : STARCH VISCOSITY : 49  
WEIGHT : 9.7 WATER LOSS (CC) : 12.8  
CHLORIDES (PPM) : 84000  
JARS-MAKE : - SERIAL NUMBER : -  
DID WELL FLOW ? : - REVERSED OUT ? : -

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 382 FT I.D. inch : 2.75  
DRILL PIPE LENGTH : 2855 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 53 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 11".  
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW BUILDING IN 3".  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :



WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
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COMPANY : MURFIN DRILLING CO & CHARLES PETROLEUM CORP.  
RIG : BARTON-KANSAS  
FIELD : GRIFFIN  
WELL : #1-14  
DATE : 10-25-87  
GAUGE NO : 13549

OPERATIONAL COMMENTS

COMPANY : MURFIN DRILLING CO & CHARLES PETROLEUM CORP.

FIELD : GRIFFIN

WELL : #1-14

JOB # : 11892

GAUGE # : 13549

DEPTH : 3310

DATE : 25/10/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	7:30:00	0.000	71.000	112.00	0.000
2	7:34:59	0.083	71.000	112.00	0.000
3	7:40:00	0.167	73.000	112.00	2.000
4	7:45:00	0.250	77.000	112.00	4.000
5	7:49:59	0.333	81.000	112.00	4.000
6	7:55:00	0.417	86.000	112.00	5.000
7	8:00:00	0.500	91.000	112.00	5.000
8	8:04:59	0.583	94.000	112.00	3.000
9	8:10:00	0.667	96.000	112.00	2.000
10	8:13:00	0.717	185.000	112.00	89.000
11	8:16:00	0.767	256.000	112.00	71.000
12	8:19:00	0.817	303.000	112.00	47.000
13	8:22:00	0.867	344.000	112.00	41.000
14	8:25:00	0.917	385.000	112.00	41.000
15	8:28:00	0.967	419.000	112.00	34.000
16	8:31:00	1.017	449.000	112.00	30.000
17	8:34:00	1.067	476.000	112.00	27.000
18	8:37:00	1.117	496.000	112.00	20.000
19	8:40:00	1.167	516.000	112.00	20.000
20	8:43:00	1.217	534.000	112.00	18.000
21	8:46:00	1.267	554.000	112.00	20.000
22	8:49:00	1.317	570.000	112.00	16.000
23	8:52:00	1.367	587.000	112.00	17.000
24	8:55:00	1.417	602.000	112.00	15.000
25	8:58:00	1.467	615.000	112.00	13.000
26	9:01:00	1.517	627.000	112.00	12.000
27	9:04:00	1.567	636.000	112.00	9.000
28	9:07:00	1.617	646.000	112.00	10.000
29	9:10:00	1.667	660.000	112.00	14.000
30	9:11:00	1.683	119.000	112.00	-541.000
31	9:15:00	1.750	119.000	112.00	0.000
32	9:20:00	1.833	119.000	112.00	0.000
33	9:25:00	1.917	121.000	112.00	2.000
34	9:30:00	2.000	123.000	112.00	2.000
35	9:35:00	2.083	125.000	112.00	2.000
36	9:40:00	2.167	128.000	112.00	3.000
37	9:45:00	2.250	130.000	112.00	2.000
38	9:50:00	2.333	131.000	112.00	1.000
39	9:55:00	2.417	132.000	112.00	1.000
40	9:58:00	2.467	197.000	112.00	65.000
41	10:01:00	2.517	236.000	112.00	39.000
42	10:04:00	2.567	271.000	112.00	35.000
43	10:07:00	2.617	306.000	112.00	35.000
44	10:10:00	2.667	332.000	112.00	26.000
45	10:13:00	2.717	359.000	112.00	27.000
46	10:16:00	2.767	383.000	112.00	24.000
47	10:19:00	2.817	404.000	112.00	21.000
48	10:22:00	2.867	421.000	112.00	17.000
49	10:25:00	2.917	438.000	112.00	17.000
50	10:28:00	2.967	453.000	112.00	15.000
51	10:31:00	3.017	471.000	112.00	18.000
52	10:34:00	3.067	483.000	112.00	12.000

COMPANY : MURFIN DRILLING CO & CHARLES PETROLEUM CORP.

FIELD : GRIFFIN

WELL : #1-14

JOB # : 11892

GAUGE # : 13549

DEPTH : 3310

DATE : 25/10/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	10:37: 0	3.117	497.000	112.00	14.000
54	10:40: 0	3.167	510.000	112.00	13.000
55	10:43: 0	3.217	522.000	112.00	12.000
56	10:46: 0	3.267	531.000	112.00	9.000
57	10:49: 0	3.317	544.000	112.00	13.000
58	10:52: 0	3.367	555.000	112.00	11.000
59	10:55: 0	3.417	562.000	112.00	7.000

WESTERN TESTING CO. INC.

TKF 11893

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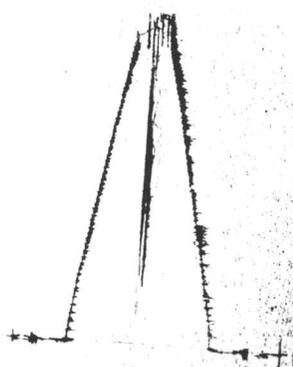
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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 10-26-87 TICKET : 11893  
CUSTOMER : MURFIN DRILLING CO & CHARLES PETROLEUM CORP.  
LEASE : GRIFFIN  
WELL : #1-14 TEST: 5 GEOLOGIST : C. SCHMALTZ  
ELEVATION : 1760 GL FORMATION : ARBUCKLE  
SECTION : 14 TOWNSHIP : 18S  
RANGE : 11W COUNTY : BARTON STATE : KANSAS  
GAUGE SN# : 13549 RANGE : 4100 CLOCK : 12

INTERVAL FROM : 3310 TO : 3317 TOTAL DEPTH : 3317  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 3305 SIZE : 6.63  
PACKER DEPTH : 3310 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : WOODMAN-IANNITTI RIG #3  
MUD TYPE : STARCH VISCOSITY : 49  
WEIGHT : 9.7 WATER LOSS (CC) : 12.8  
CHLORIDES (PPM) : 84000  
JARS-MAKE : - SERIAL NUMBER : -  
DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 382 FT I.D. inch : 2.75  
DRILL PIPE LENGTH : 2902 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 26 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 7 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 :  
BLOW COMMENT #2 :  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 0 FT OF:

Total Barrels Fluid = 0.00  
Total Fluid Prod Rate = 0.00 BFPD

REMARK 1 : MISRUN: PACKER FAILURE.  
REMARK 2 :  
REMARK 3 :  
REMARK 4 :

SET PACKER(S) :		TIME STARTED OFF BOTTOM :
WELL TEMPERATURE :	0	
INITIAL HYDROSTATIC PRESSURE		(A) 1739
INITIAL FLOW PERIOD MIN:	0	(B) 0 PSI TO (C) : 0
INITIAL CLOSED IN PERIOD MIN:	0	(D) 0
FINAL FLOW PERIOD MIN:	0	(E) 0 PSI TO (F) : 0
FINAL CLOSED IN PERIOD MIN:	0	(G) 0
FINAL HYDROSTATIC PRESSURE		(H) 1712

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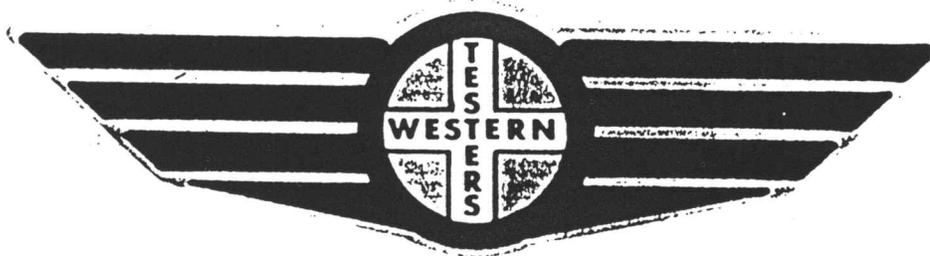
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TKA 11894  
Below Straddle



1096

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 10-26-87 TICKET : 11894  
CUSTOMER : MURFIN DRILLING CO & CHARLES PETROLEUM CORP.  
WELL : #1-14 TEST: 6 LEASE : GRIFFIN  
ELEVATION : 1760 GL GEOLOGIST : C. SCHMALTZ  
SECTION : 14 FORMATION : ARBUCKLE  
RANGE : 11W COUNTY : BARTON STATE : KANSAS  
GAUGE SN# : 13549 RANGE : 4100 CLOCK : 12

INTERVAL FROM : 3312 TO : 3320 TOTAL DEPTH : 3350

DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 3307 SIZE : 6.63  
PACKER DEPTH : 3312 SIZE : 6.63  
PACKER DEPTH : 3320 SIZE : 6.63  
PACKER DEPTH : SIZE :

DRILLING CON. : WOODMAN-IANNITTI RIG #3  
MUD TYPE : STARCH VISCOSITY : 53  
WEIGHT : 9.7 WATER LOSS (CC) : 12.4  
CHLORIDES (PPM) : 75000  
JARS-MAKE : - SERIAL NUMBER : -  
DID WELL FLOW ? : - REVERSED OUT ? : -

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 382 FT I.D. inch : 2.75  
DRILL PIPE LENGTH : 2934 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 26 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 8 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-STRONG BLOW-OFF BOTTOM IN 2 MINUTES  
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW-OFF BOTTOM IN 5 MINUTES  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 940 FT OF: WATER

CHLORIDES: 16000 PPM

Total Barrels Fluid = 10.63  
Total Fluid Prod Rate = 204.15 BFPD  
Indicated Wtr Rate = 204.15 BWPD

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

SET PACKER(S) : 7:55 PM

TIME STARTED OFF BOTTOM : 10:55 PM

WELL TEMPERATURE : 112

INITIAL HYDROSTATIC PRESSURE

(A) 1707

INITIAL FLOW PERIOD MIN: 30

(B) 135 PSI TO (C) : 263

INITIAL CLOSED IN PERIOD MIN: 45

(D) 831

FINAL FLOW PERIOD MIN: 45

(E) 334 PSI TO (F) : 419

FINAL CLOSED IN PERIOD MIN: 60

(G) 775

FINAL HYDROSTATIC PRESSURE

(H) 1669

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report

COMPANY : MURFIN DRILLING CO & CHARLES PETROLEUM CORP.  
RIG : BARTON-KANSAS  
FIELD : GRIFFIN  
WELL : #1-14  
DATE : 10-26-87  
GAUGE NO : 13549

OPERATIONAL COMMENTS

COMPANY : MURFIN DRILLING CO & CHARLES PETROLEUM CORP.

FIELD : GRIFFIN

WELL : #1-14

JOB # : 11894

GAUGE # : 13549

DEPTH : 3350

DATE : 26/10/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	7:55:0	0.000	135.000	112.00	0.000
2	7:59:59	0.083	161.000	112.00	26.000
3	8:05:0	0.167	189.000	112.00	28.000
4	8:10:0	0.250	215.000	112.00	26.000
5	8:14:59	0.333	238.000	112.00	23.000
6	8:20:0	0.417	256.000	112.00	18.000
7	8:25:0	0.500	263.000	112.00	7.000
8	8:28:0	0.550	457.000	112.00	194.000
9	8:31:0	0.600	541.000	112.00	84.000
10	8:34:0	0.650	600.000	112.00	59.000
11	8:37:0	0.700	645.000	112.00	45.000
12	8:40:0	0.750	679.000	112.00	34.000
13	8:43:0	0.800	708.000	112.00	29.000
14	8:46:0	0.850	732.000	112.00	24.000
15	8:49:0	0.900	752.000	112.00	20.000
16	8:52:0	0.950	768.000	112.00	16.000
17	8:55:0	1.000	781.000	112.00	13.000
18	8:58:0	1.050	797.000	112.00	16.000
19	9:01:0	1.100	807.000	112.00	10.000
20	9:04:0	1.150	818.000	112.00	11.000
21	9:07:0	1.200	828.000	112.00	10.000
22	9:10:0	1.250	831.000	112.00	3.000
23	9:11:0	1.267	334.000	112.00	-497.000
24	9:14:59	1.333	334.000	112.00	0.000
25	9:20:0	1.417	346.000	112.00	12.000
26	9:25:0	1.500	357.000	112.00	11.000
27	9:29:59	1.583	371.000	112.00	14.000
28	9:35:0	1.667	385.000	112.00	14.000
29	9:40:0	1.750	394.000	112.00	9.000
30	9:44:59	1.833	405.000	112.00	11.000
31	9:50:0	1.917	416.000	112.00	11.000
32	9:55:0	2.000	419.000	112.00	3.000
33	9:58:0	2.050	488.000	112.00	69.000
34	10:01:0	2.100	536.000	112.00	48.000
35	10:04:0	2.150	573.000	112.00	37.000
36	10:07:0	2.200	596.000	112.00	23.000
37	10:10:0	2.250	622.000	112.00	26.000
38	10:13:0	2.300	646.000	112.00	24.000
39	10:16:0	2.350	660.000	112.00	14.000
40	10:19:0	2.400	675.000	112.00	15.000
41	10:22:0	2.450	689.000	112.00	14.000
42	10:25:0	2.500	700.000	112.00	11.000
43	10:28:0	2.550	708.000	112.00	8.000
44	10:31:0	2.600	720.000	112.00	12.000
45	10:34:0	2.650	730.000	112.00	10.000
46	10:37:0	2.700	736.000	112.00	6.000
47	10:40:0	2.750	744.000	112.00	8.000
48	10:43:0	2.800	753.000	112.00	9.000
49	10:46:0	2.850	759.000	112.00	6.000
50	10:49:0	2.900	765.000	112.00	6.000
51	10:52:0	2.950	769.000	112.00	4.000
52	10:55:0	3.000	775.000	112.00	6.000