

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-11-88	TICKET	:	14014
CUSTOMER	:	AINSOWRTH OPERATING CO.	LEASE	:	SLEEPER
WELL	:	#B-1	TEST:	:	1
ELEVATION	:	-	GEOLOGIST	:	A AINSWORTH??
SECTION	:	4	FORMATION	:	LANSING D
RANGE	:	11W	COUNTY	:	STAFFORD
Gauge SN#	:	13547	RANGE	:	4200
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3170	TO	:	3190	TOTAL DEPTH	:	3190
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3165	SIZE	:	6.63			
PACKER DEPTH	:	3170	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	RED TIGER	#5			
MUD TYPE	:	STARCH		VISCOSITY	:	42
WEIGHT	:	10.0		WATER LOSS (CC)	:	10.4
CHLORIDES (PPM)	:	66000				
JARS-MAKE	:	-		SERIAL NUMBER	:	-
DID WELL FLOW ?	:	-		REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	600	FT	I.D. inch	:	2.75
DRILL PIPE LENGTH	:	2550	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	20	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-FAIR BLOW-SLOW BUILD TO 5" IN BUCKET.
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW-3" IN BUCKET.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 20 FT OF: MUD / FEW SPOTS OF OIL IN TOP OF TOOLS

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

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

SET PACKER(S) : 6:10 PM

TIME STARTED OFF BOTTOM : 8:45 PM

WELL TEMPERATURE : 106

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 45

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 45

FINAL HYDROSTATIC PRESSURE

(A) 1726

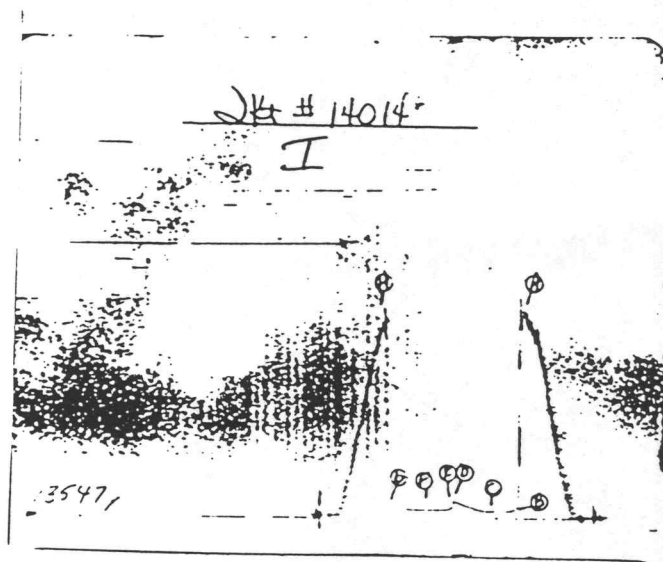
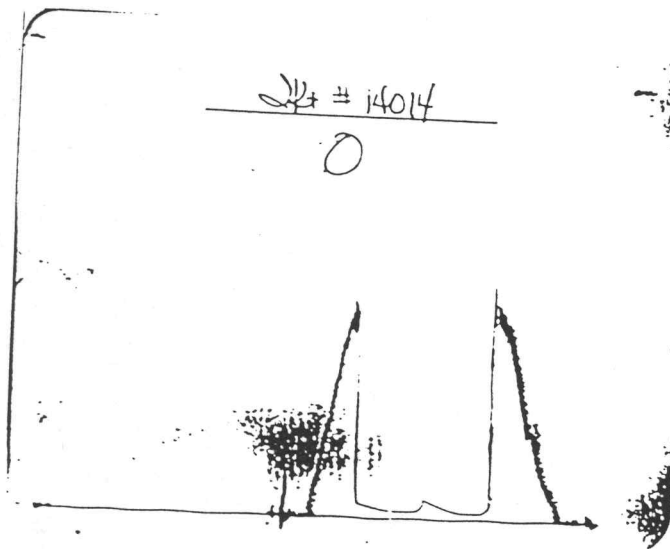
(B) 59 PSI TO (C) : 59

(D) 147

(E) 69 PSI TO (F) : 69

(G) 109

(H) 1670



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : AINSOWRTH OPERATING CO.
RIG : STAFFORD-KANSAS
FIELD : SLEEPER
WELL : #B-1
DATE : 8-11-88
GAUGE NO : 13547

OPERATIONAL COMMENTS

COMPANY : AINSOWRTH OPERATING CO.

WELL : #B-1

GAUGE # : 13547

DATE : 11/ 8/88

FIELD : SLEEPER

JOB # : 14014

DEPTH : 3190

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					
2	6:10: 0	0.000	59.000	106.00	0.000
3	6:14:59	0.083	59.000	106.00	0.000
4	6:20: 0	0.167	59.000	106.00	0.000
5	6:25: 0	0.250	59.000	106.00	0.000
6	6:29:59	0.333	59.000	106.00	0.000
7	6:35: 0	0.417	59.000	106.00	0.000
8	6:40: 0	0.500	59.000	106.00	0.000
INITIAL SHUT-IN					
9	6:43: 0	0.550	59.000	106.00	0.000
10	6:46: 0	0.600	59.000	106.00	0.000
11	6:49: 0	0.650	60.000	106.00	1.000
12	6:52: 0	0.700	63.000	106.00	3.000
13	6:55: 0	0.750	66.000	106.00	3.000
14	6:58: 0	0.800	73.000	106.00	7.000
15	7: 1: 0	0.850	80.000	106.00	7.000
16	7: 4: 0	0.900	91.000	106.00	11.000
17	7: 7: 0	0.950	97.000	106.00	6.000
18	7:10: 0	1.000	103.000	106.00	6.000
19	7:13: 0	1.050	112.000	106.00	9.000
20	7:16: 0	1.100	122.000	106.00	10.000
21	7:19: 0	1.150	132.000	106.00	10.000
22	7:22: 0	1.200	140.000	106.00	8.000
23	7:25: 0	1.250	147.000	106.00	7.000
FINAL FLOW					
24	7:26: 0	1.267	69.000	106.00	-78.000
25	7:29:59	1.333	69.000	106.00	0.000
26	7:35: 0	1.417	69.000	106.00	0.000
27	7:40: 0	1.500	69.000	106.00	0.000
28	7:44:59	1.583	69.000	106.00	0.000
29	7:50: 0	1.667	69.000	106.00	0.000
30	7:55: 0	1.750	69.000	106.00	0.000
FINAL SHUT-IN					
31	7:58: 0	1.800	69.000	106.00	0.000
32	8: 1: 0	1.850	69.000	106.00	0.000
33	8: 4: 0	1.900	70.000	106.00	1.000
34	8: 7: 0	1.950	71.000	106.00	1.000
35	8:10: 0	2.000	72.000	106.00	1.000
36	8:13: 0	2.050	73.000	106.00	1.000
37	8:16: 0	2.100	74.000	106.00	1.000
38	8:19: 0	2.150	77.000	106.00	3.000
39	8:22: 0	2.200	80.000	106.00	3.000
40	8:25: 0	2.250	83.000	106.00	3.000
41	8:28: 0	2.300	90.000	106.00	7.000
42	8:31: 0	2.350	96.000	106.00	6.000
43	8:34: 0	2.400	100.000	106.00	4.000
44	8:37: 0	2.450	105.000	106.00	5.000
45	8:40: 0	2.500	109.000	106.00	4.000

WESTERN TESTING CO. INC.

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-12-88	TICKET	:	14015
CUSTOMER	:	AINSWORTH OPERATING CO.	LEASE	:	SLEEPER
WELL	:	#8-1	TEST:	:	2
ELEVATION	:	-	GEOLOGIST	:	T HIDY
SECTION	:	4	FORMATION	:	LANSING F
RANGE	:	11W	TOWNSHIP	:	22S
Gauge SN#	:	13547	STATE	:	KANSAS
		COUNTY :	RANGE :		CLOCK :
			4200		12

INTERVAL FROM	:	3194	TO	:	3225	TOTAL DEPTH	:	3225
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3189	SIZE	:	6.63			
PACKER DEPTH	:	3194	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	RED TIGER	#5			
MUD TYPE	:	STARCH		VISCOSITY	:	41
WEIGHT	:	10.0		WATER LOSS (CC)	:	12.8
CHLORIDES (PPM)	:	65000				
JARS-MAKE	:	-		SERIAL NUMBER	:	-
DID WELL FLOW ?	:	-		REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	600	FT	I.D. inch	:	2.75
DRILL PIPE LENGTH	:	2574	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	31	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-BOTTOM OF BUCKET 9 MINUTES.
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW-BOTTOM OF BUCKET LESS THAN
BLOW COMMENT #3 : 1 MINUTE.
BLOW COMMENT #4 :

RECOVERED : 30 FT OF: OIL CUT GASSY MUD
10% OIL-10% MUD-80% GAS
RECOVERED : 120 FT OF: HEAVY OIL CUT GASSY MUD
20% OIL-30% MUD-50% GAS

Total Barrels Fluid = 1.10
Total Fluid Prod Rate = 26.45 BFPD
Indicated Oil Rate = 4.76 BOPD
Indicated Wtr Rate = 0.71 BWPD

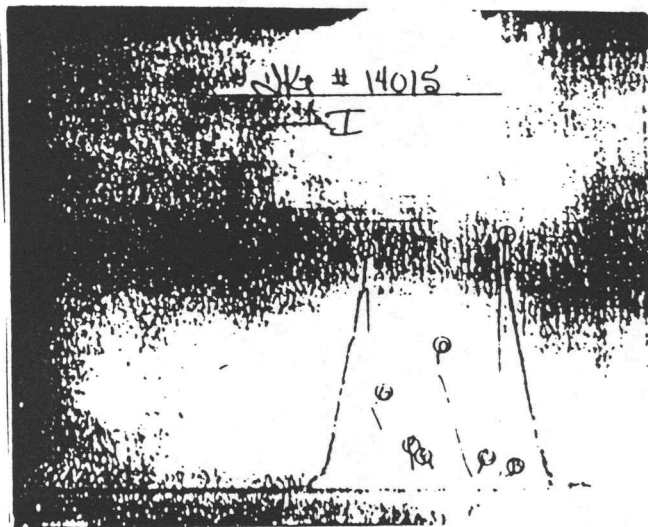
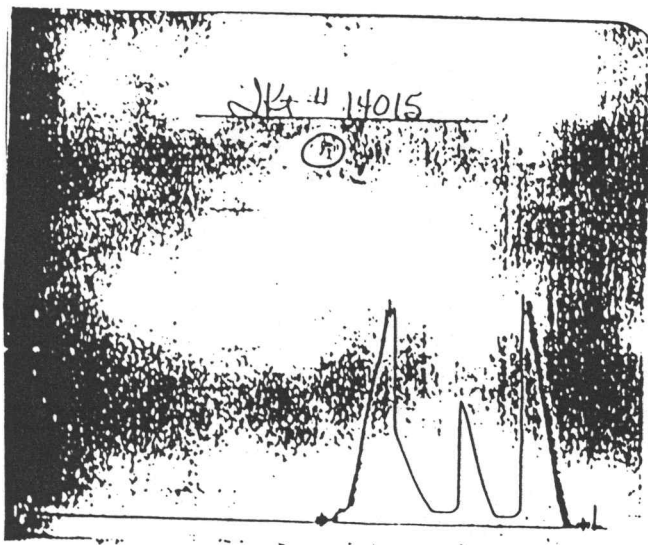
REMARK 1 :
REMARK 2 : RECOVERED 1440 FEET OF GAS ABOVE FLUID.
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 8:00 AM
WELL TEMPERATURE : 105

TIME STARTED OFF BOTTOM : 10:30 AM

INITIAL HYDROSTATIC PRESSURE
INITIAL FLOW PERIOD MIN: 30
INITIAL CLOSED IN PERIOD MIN: 42
FINAL FLOW PERIOD MIN: 30
FINAL CLOSED IN PERIOD MIN: 45
FINAL HYDROSTATIC PRESSURE

(A) 1739
(B) 72 PSI TO (C) : 72
(D) 963
(E) 103 PSI TO (F) : 103
(G) 687
(H) 1680



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : AINSWORTH OPERATING CO.
RIG : STAFFORD-KANSAS
FIELD : SLEEPER
WELL : #B-1
DATE : 8-12-88
GAUGE NO : 13547

OPERATIONAL COMMENTS

RECOVERED 1440 FEET OF GAS ABOVE FLUID.

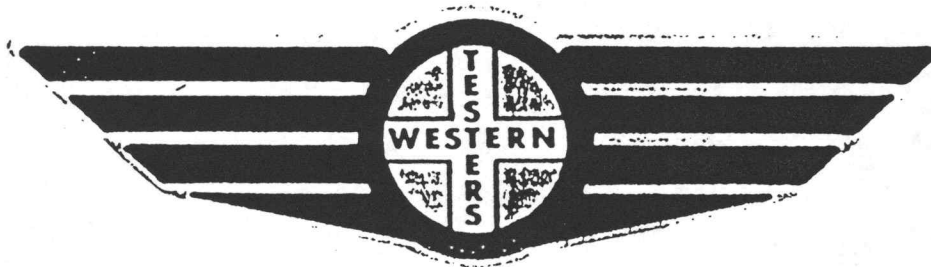
COMPANY : AINSWORTH OPERATING CO.
WELL : #B-1
GAUGE # : 13547
DATE : 12/ 8/88

FIELD : SLEEPER
JOB # : 14015
DEPTH : 3225
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					
2	8: 0: 0	0.000	72.000	105.00	0.000
3	8: 4: 59	0.083	72.000	105.00	0.000
4	8:10: 0	0.167	72.000	105.00	0.000
5	8:15: 0	0.250	72.000	105.00	0.000
6	8:19:59	0.333	72.000	105.00	0.000
7	8:25: 0	0.417	72.000	105.00	0.000
8	8:30: 0	0.500	72.000	105.00	0.000
INITIAL SHUT-IN					
9	8:33: 0	0.550	86.000	105.00	14.000
10	8:36: 0	0.600	129.000	105.00	43.000
11	8:39: 0	0.650	176.000	105.00	47.000
12	8:42: 0	0.700	239.000	105.00	63.000
13	8:45: 0	0.750	315.000	105.00	76.000
14	8:48: 0	0.800	387.000	105.00	72.000
15	8:51: 0	0.850	474.000	105.00	87.000
16	8:54: 0	0.900	560.000	105.00	86.000
17	8:57: 0	0.950	655.000	105.00	95.000
18	9: 0: 0	1.000	738.000	105.00	83.000
19	9: 2: 59	1.050	816.000	105.00	78.000
20	9: 6: 0	1.100	891.000	105.00	75.000
21	9: 9: 0	1.150	943.000	105.00	52.000
22	9:12: 0	1.200	963.000	105.00	20.000
FINAL FLOW					
23	9:13: 0	1.217	103.000	105.00	-860.000
24	9:16:59	1.283	103.000	105.00	0.000
25	9:22: 0	1.367	103.000	105.00	0.000
26	9:27: 0	1.450	103.000	105.00	0.000
27	9:31:59	1.533	103.000	105.00	0.000
28	9:37: 0	1.617	103.000	105.00	0.000
29	9:42: 0	1.700	103.000	105.00	0.000
FINAL SHUT-IN					
30	9:45: 0	1.750	106.000	105.00	3.000
31	9:48: 0	1.800	118.000	105.00	12.000
32	9:51: 0	1.850	141.000	105.00	23.000
33	9:54: 0	1.900	171.000	105.00	30.000
34	9:57: 0	1.950	201.000	105.00	30.000
35	10: 0: 0	2.000	238.000	105.00	37.000
36	10: 3: 0	2.050	277.000	105.00	39.000
37	10: 6: 0	2.100	317.000	105.00	40.000
38	10: 9: 0	2.150	358.000	105.00	41.000
39	10:12: 0	2.200	414.000	105.00	56.000
40	10:15: 0	2.250	461.000	105.00	47.000
41	10:18: 0	2.300	518.000	105.00	57.000
42	10:21: 0	2.350	572.000	105.00	54.000
43	10:24: 0	2.400	616.000	105.00	44.000
44	10:27: 0	2.450	687.000	105.00	71.000

WESTERN TESTING CO. INC.

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY AINSWORTH OPERATING COMPANY LEASE & WELL NO. SLEEPER #B-1 SEC. 4 TWP. 22S RGE 11W TEST NO. 3 DATE 8/12/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-12-88	TICKET	:	14016
CUSTOMER	:	AINSWORTH OPERATING CO.	LEASE	:	SLEEPER
WELL	:	#B-1	TEST:	:	3
ELEVATION	:	-	GEOLOGIST	:	T HIDEY
SECTION	:	4	FORMATION	:	LANISNG I
RANGE	:	11W	TOWNSHIP	:	22S
GAUGE SN#	:	13547	STATE	:	KANSAS
		COUNTY :	CLOCK	:	12
		RANGE :			
		4200			

INTERVAL FROM	:	3265	TO	:	3281	TOTAL DEPTH	:	3281
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3260	SIZE	:	6.63			
PACKER DEPTH	:	3265	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	RED TIGER #5			
MUD TYPE	:	STARCH	VISCOSITY	:	41
WEIGHT	:	10.0	WATER LOSS (CC)	:	12.0
CHLORIDES (PPM)	:	65000			
JARS-MAKE	:	-	SERIAL NUMBER	:	-
DID WELL FLOW ?	:	-	REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	600	FT	I.D. inch	:	2.75
DRILL PIPE LENGTH	:	2645	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	16	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-BOTTOM OF BUCKET IMMEDIATELY
BLOW COMMENT #2 : GAS TO SURFACE IN 8 MINUTES. SEE ATTACHED FLOW CHART
BLOW COMMENT #3 : FINAL FLOW-STRONG BLOW-GAS STABILIZED @ 30800 CFPD.
BLOW COMMENT #4 :

RECOVERED : 15 FT OF: MUD

Total Barrels Fluid = 0.11
Total Fluid Prod Rate = 2.64 BFPD
Indicated Wtr Rate = 0.26 BWPD

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

SET PACKER(S) : 10:50 PM

WELL TEMPERATURE : 105

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 45

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 42

FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM : 1:20 AM

(A) 1807

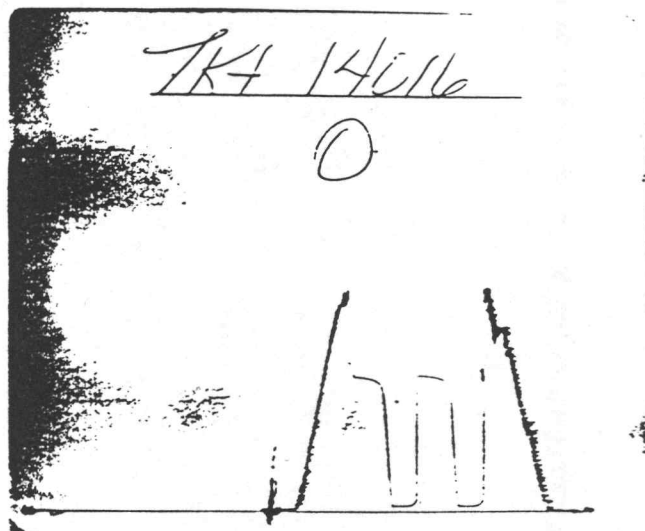
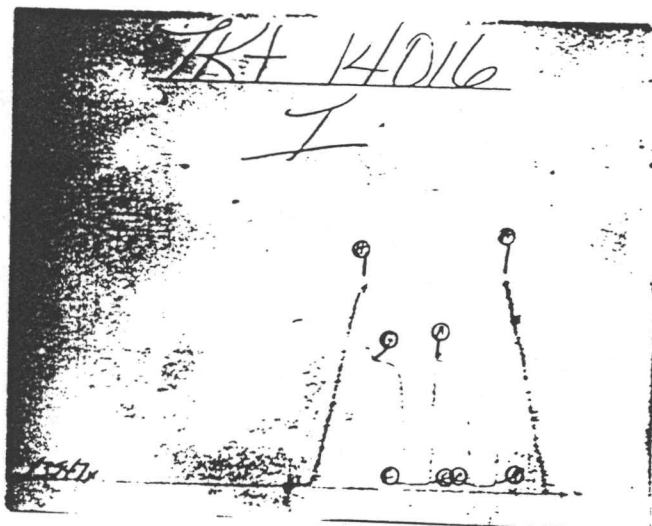
(B) 52 PSI TO (C) : 52

(D) 1100

(E) 51 PSI TO (F) : 51

(G) 1086

(H) 1752



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : AISNORTH OPERATING CO.
RIG : STAFFORD-KANSAS
FIELD : SLEEPER
WELL : #B-1
DATE : 8-12-88
GAUGE NO : 13547

OPERATIONAL COMMENTS

GAS FLOW REPORT

Date : 8/12/88	Ticket # : 14016
Customer : AINSWORTH OPERATING COMPANY	Lease : SLEEPER
Well : B-1 Test : 3	Geologist : HIDY
Elevation (KB) :	Formation : LANSING I
Section : 4	Township : 22S
Range : 11W	County : STAFFORD
Gauge SN # : 13547	State : KANSAS
	Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW

=====

5	MERLA	1/4	15"WTR	6550 CFPD
10		1/4	30"WTR	9200 CFPD
15		1/4	5 PSIG	20700 CFPD
20		1/4	5 PSIG	20700 CFPD
25		1/4	6 PSIG	22900 CFPD
30		1/4	7 PSIG	25000 CFPD

SECOND FLOW

=====

5	MERLA	1/4	9 PSIG	29000 CFPD
10		1/4	10 PSIG	30800 CFPD
15		1/4	10 PSIG	30800 CFPD
20		1/4	10 PSIG	30800 CFPD
25		1/4	10 PSIG	30800 CFPD
30		1/4	10 PSIG	30800 CFPD

Gas Bottle SN #	:	-
Date Bottle Filled	:	8/12/88
Date to be Invoiced	:	8/12/88

COMPANY : AISNORTH OPERATING CO.
WELL : #B-1
GAUGE # : 13547
DATE : 12/ 8/88

FIELD : SLEEPER
JOB # : 14016
DEPTH : 3281
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	10:50: 0	0.000	52.000	105.00	0.000
3	10:54:59	0.083	52.000	105.00	0.000
4	11: 0: 0	0.167	52.000	105.00	0.000
5	11: 5: 0	0.250	52.000	105.00	0.000
6	11: 9:59	0.333	52.000	105.00	0.000
7	11:15: 0	0.417	52.000	105.00	0.000
INITIAL SHUT-IN PERIOD					
8	11:20: 0	0.500	52.000	105.00	0.000
9	11:23: 0	0.550	343.000	105.00	291.000
10	11:26: 0	0.600	592.000	105.00	249.000
11	11:29: 0	0.650	839.000	105.00	247.000
12	11:32: 0	0.700	968.000	105.00	129.000
13	11:35: 0	0.750	1024.000	105.00	56.000
14	11:38: 0	0.800	1049.000	105.00	25.000
15	11:41: 0	0.850	1064.000	105.00	15.000
16	11:44: 0	0.900	1073.000	105.00	9.000
17	11:47: 0	0.950	1080.000	105.00	7.000
18	11:50: 0	1.000	1087.000	105.00	7.000
19	11:53: 0	1.050	1090.000	105.00	3.000
20	11:56: 0	1.100	1092.000	105.00	2.000
21	11:59: 0	1.150	1094.000	105.00	2.000
22	12: 2: 0	1.200	1097.000	105.00	3.000
23	12: 5: 0	1.250	1100.000	105.00	3.000
FINAL FLOW PERIOD					
24	12: 6: 0	1.267	51.000	105.00	-1049.000
25	12: 9:59	1.333	51.000	105.00	0.000
26	12:15: 0	1.417	51.000	105.00	0.000
27	12:20: 0	1.500	51.000	105.00	0.000
28	12:24:59	1.583	51.000	105.00	0.000
29	12:30: 0	1.667	51.000	105.00	0.000
30	12:35: 0	1.750	51.000	105.00	0.000
FINAL SHUT-IN PERIOD					
31	12:38: 0	1.800	322.000	105.00	271.000
32	12:41: 0	1.850	610.000	105.00	288.000
33	12:44: 0	1.900	855.000	105.00	245.000
34	12:47: 0	1.950	969.000	105.00	114.000
35	12:50: 0	2.000	1016.000	105.00	47.000
36	12:53: 0	2.050	1039.000	105.00	23.000
37	12:56: 0	2.100	1053.000	105.00	14.000
38	12:59: 0	2.150	1063.000	105.00	10.000
39	13: 2: 0	2.200	1068.000	105.00	5.000
40	13: 5: 0	2.250	1074.000	105.00	6.000
41	13: 8: 0	2.300	1077.000	105.00	3.000
42	13:11: 0	2.350	1080.000	105.00	3.000
43	13:14: 0	2.400	1084.000	105.00	4.000
44	13:17: 0	2.450	1086.000	105.00	2.000

WESTERN TESTING CO. INC.

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.,
SUBSURFACE PRESSURE SURVEY

DATE	:	8-13-88	TICKET	:	14017
CUSTOMER	:	AINSWORTH OPERATING CO.	LEASE	:	SLEEPER
WELL	:	#B-1	TEST:	:	4
ELEVATION	:	-	GEOLOGIST	:	T HIDY
SECTION	:	4	FORMATION	:	LANSING I
RANGE	:	11W	TOWNSHIP	:	22S
GAUGE SN#	:	13547	STATE	:	KANSAS
		COUNTY :	STAFFORD		
		RANGE :	4200		
		CLOCK	:		12

INTERVAL FROM	:	3285	TO	:	3305	TOTAL DEPTH	:	3305
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3280	SIZE	:	6.63			
PACKER DEPTH	:	3285	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	RED TIGER			
MUD TYPE	:	STARCH	VISCOSITY	:	41
WEIGHT	:	10.0	WATER LOSS (CC)	:	12.8
CHLORIDES (PPM)	:	65000			
JARS-MAKE	:	-	SERIAL NUMBER	:	-
DID WELL FLOW ?	:	-	REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	600	FT	I.D. inch	:	2.75
DRILL PIPE LENGTH	:	2665	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	20	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-VERY WEAK BLOW DIED IN 4 MINUTES.
BLOW COMMENT #2 : FINAL FLOW-VERY WEAK BLOW-DIED IN 12 MINUTES-FLUSHED
BLOW COMMENT #3 : TOOL-GOOD SURGE-NO BLOW.
BLOW COMMENT #4 :

RECOVERED : 10 FT OF: MUD / SHOW OF OIL IN TOP OF TOOLS

Total Barrels Fluid = 0.07
Total Fluid Prod Rate = 1.63 BFPD
Indicated Wtr Rate = 0.16 BWPD

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

SET PACKER(S) : 11:45 AM
WELL TEMPERATURE : 101

TIME STARTED OFF BOTTOM : 1:45 PM

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 30

FINAL FLOW PERIOD MIN: 35

FINAL CLOSED IN PERIOD MIN: 30

FINAL HYDROSTATIC PRESSURE

(A) 1795

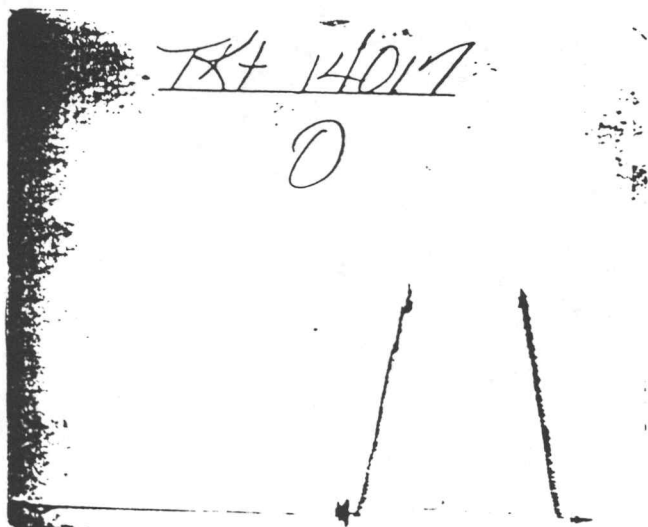
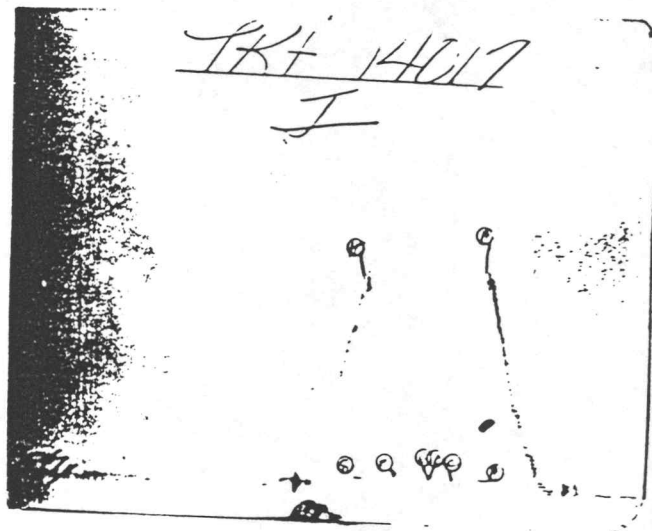
(B) 49 PSI TO (C) : 49

(D) 49

(E) 47 PSI TO (F) : 60

(G) 56

(H) 1723



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : AINSWORTH OPERATING CO.
RIG : STAFFORD-KANSAS
FIELD : SLEEPER
WELL : #B-1
DATE : 8-13-88
GAUGE NO : 13547

OPERATIONAL COMMENTS

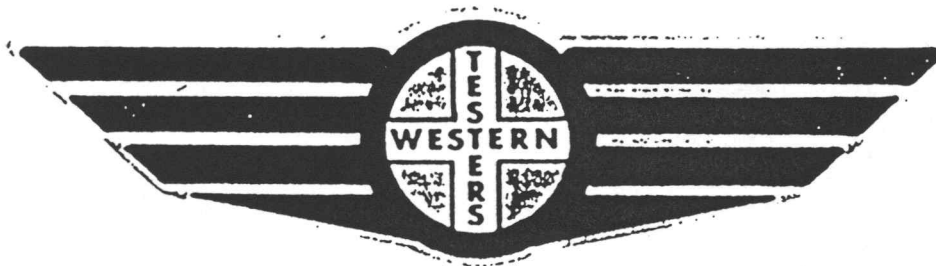
COMPANY : AINSWORTH OPERATING CO.
 WELL : #B-1
 GAUGE # : 13547
 DATE : 13/ 8/88

FIELD : SLEEPER
 JOB # : 14017
 DEPTH : 3305
 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					
2	11:45: 0	0.000	49.000	101.00	0.000
3	11:49:59	0.083	49.000	101.00	0.000
4	11:55: 0	0.167	49.000	101.00	0.000
5	12: 0: 0	0.250	49.000	101.00	0.000
6	12: 4:59	0.333	49.000	101.00	0.000
7	12:10: 0	0.417	49.000	101.00	0.000
8	12:15: 0	0.500	49.000	101.00	0.000
INITIAL SHUT-IN					
9	12:18: 0	0.550	49.000	101.00	0.000
10	12:21: 0	0.600	49.000	101.00	0.000
11	12:24: 0	0.650	49.000	101.00	0.000
12	12:27: 0	0.700	49.000	101.00	0.000
13	12:30: 0	0.750	49.000	101.00	0.000
14	12:33: 0	0.800	49.000	101.00	0.000
15	12:36: 0	0.850	49.000	101.00	0.000
16	12:39: 0	0.900	49.000	101.00	0.000
17	12:42: 0	0.950	49.000	101.00	0.000
18	12:45: 0	1.000	49.000	101.00	0.000
FINAL FLOW * FLUSHED TOOL					
19	12:46: 0	1.017	47.000	101.00	-2.000
20	12:49:59	1.083	47.000	101.00	0.000
21	12:55: 0	1.167	47.000	101.00	0.000
22	13: 0: 0	1.250	47.000	101.00	0.000
23	13: 4:59	1.333	47.000	101.00	0.000
24	13:10: 0	1.417	49.000	101.00	2.000
25	13:15: 0	1.500	70.000	101.00	21.000
26	13:19:59	1.583	60.000	101.00	-10.000
FINAL SHUT-IN					
27	13:22:59	1.633	57.000	101.00	-3.000
28	13:25:59	1.683	56.000	101.00	-1.000
29	13:28:59	1.733	56.000	101.00	0.000
30	13:31:59	1.783	56.000	101.00	0.000
31	13:34:59	1.833	56.000	101.00	0.000
32	13:37:59	1.883	56.000	101.00	0.000
33	13:40:59	1.933	56.000	101.00	0.000
34	13:43:59	1.983	56.000	101.00	0.000
35	13:46:59	2.033	56.000	101.00	0.000
36	13:49:59	2.083	56.000	101.00	0.000

WESTERN TESTING CO. INC.

FORMATION TEST REPORT



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COMPANY AINSWORTH OPERATING CO. LEASE & WELL NO. SLEEPER # B-1 SEC. 4 TWP. 22 SRGE. 11 TEST NO. 5 DATE 8/14/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 8-14-88	TICKET	: 14018
CUSTOMER	: AINSWORTH OPERATING CO.	LEASE	: SLEEPER
WELL	: #8-1 TEST: 5	GEOLOGIST	: T HIDY
ELEVATION	: -	FORMATION	: SIMPSON SD
SECTION	: 4	TOWNSHIP	: 22S
RANGE	: 11W	COUNTY	: STAFFORD
GAUGE SN#	: 13547	STATE	: KANSAS
		RANGE	: 4200
		CLOCK	: 12

INTERVAL FROM	: 3408	TO	: 3440	TOTAL DEPTH	: 3440
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3403	SIZE	: 6.63		
PACKER DEPTH	: 3408	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: RED TIGER	RIG	5		
MUD TYPE	: STARCH	VISCOSITY	:	45	
WEIGHT	: 10.0	WATER LOSS (CC)	:	10.4	
CHLORIDES (PPM)	: 65000				
JARS-MAKE	: -	SERIAL NUMBER	:	-	
DID WELL FLOW ?	: -	REVERSED OUT ?	:	-	

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	600	FT	I.D. inch	:	2.75
DRILL PIPE LENGTH	:	2788	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	32	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-BOTTOM OF BUCKET LESS THAN
1 MINUTE-GAS TO SURFACE IN 28 MINUTES.

BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW-GAS TO SURFACE-NOT ENOUGH TO

BLOW COMMENT #3 : GAUGE

BLOW COMMENT #4 :

- RECOVERED : 330 FT OF: GAS & MUD CUT OIL
 60% OIL-35% GAS-5% MUD
 - RECOVERED : 120 FT OF: GAS & MUD CUT OIL
 40% OIL-40% GAS-20% MUD
 RECOVERED : 420 FT OF: GAS & MUD CUT OIL
 50% OIL-45% GAS-5% MUD

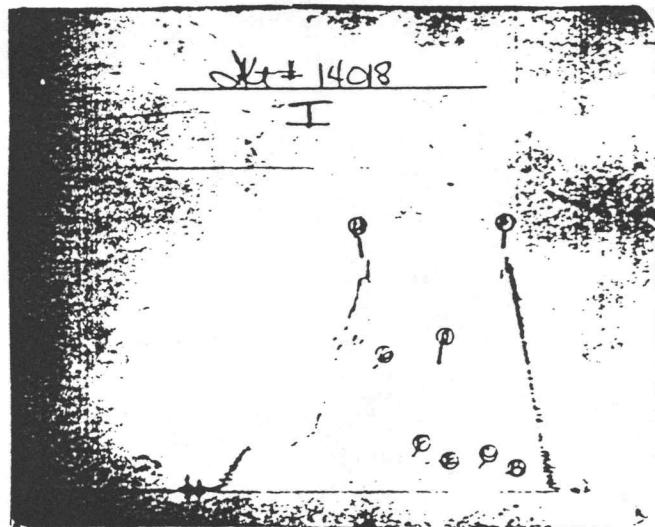
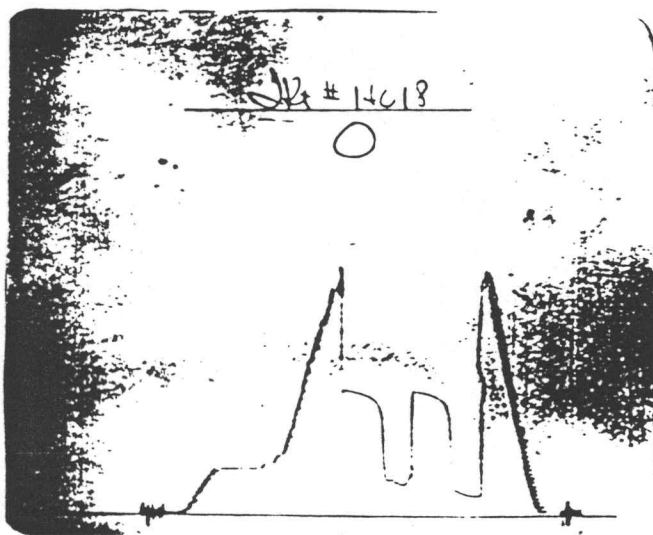
Total Barrels Fluid = 8.19
 Total Fluid Prod Rate = 196.67 BFPD
 Indicated Oil Rate = 82.74 BOPD
 Indicated Wtr Rate = 1.58 BWPD
 Corrected Oil Rate = 71.50 BOPD
 Corrected Wtr Rate = 1.37 BWPD

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

SET PACKER(S) : 10:50 AM
 WELL TEMPERATURE : 123
 INITIAL HYDROSTATIC PRESSURE
 INITIAL FLOW PERIOD MIN: 30
 INITIAL CLOSED IN PERIOD MIN: 48
 FINAL FLOW PERIOD MIN: 30
 FINAL CLOSED IN PERIOD MIN: 48
 FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM : 1:20 PM

(A) 1888
 (B) 163 PSI TO (C) : 201
 (D) 989
 (E) 243 PSI TO (F) : 276
 (G) 1000
 (H) 1819



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : AINSWORTH OPERATING CO.
RIG : STAFFORD-KANSAS
FIELD : SLEEPER
WELL : #B-1
DATE : 8-14-88
GAUGE NO : 13547

OPERATIONAL COMMENTS

COMPANY : AINSWORTH OPERATING CO.
WELL : #B-1
GAUGE # : 13547
DATE : 14/ 8/88

FIELD : SLEEPER
JOB # : 14018
DEPTH : 3440
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					
2	10:50: 0	0.000	163.000	123.00	0.000
3	10:54:59	0.083	163.000	123.00	0.000
4	11: 0: 0	0.167	164.000	123.00	1.000
5	11: 5: 0	0.250	169.000	123.00	5.000
6	11: 9:59	0.333	177.000	123.00	8.000
7	11:15: 0	0.417	186.000	123.00	9.000
8	11:20: 0	0.500	201.000	123.00	15.000
INITIAL SHUT-IN					
9	11:23: 0	0.550	400.000	123.00	199.000
10	11:26: 0	0.600	615.000	123.00	215.000
11	11:29: 0	0.650	770.000	123.00	155.000
12	11:32: 0	0.700	843.000	123.00	73.000
13	11:35: 0	0.750	883.000	123.00	40.000
14	11:38: 0	0.800	906.000	123.00	23.000
15	11:41: 0	0.850	922.000	123.00	16.000
16	11:44: 0	0.900	937.000	123.00	15.000
17	11:47: 0	0.950	946.000	123.00	9.000
18	11:50: 0	1.000	956.000	123.00	10.000
19	11:53: 0	1.050	966.000	123.00	10.000
20	11:56: 0	1.100	972.000	123.00	6.000
21	11:59: 0	1.150	979.000	123.00	7.000
22	12: 2: 0	1.200	981.000	123.00	2.000
23	12: 5: 0	1.250	985.000	123.00	4.000
24	12: 5: 0	1.250	989.000	123.00	4.000
FINAL FLOW					
25	12: 6: 0	1.267	243.000	123.00	-746.000
26	12: 9:59	1.333	243.000	123.00	0.000
27	12:15: 0	1.417	243.000	123.00	0.000
28	12:20: 0	1.500	246.000	123.00	3.000
29	12:24:59	1.583	258.000	123.00	12.000
30	12:30: 0	1.667	268.000	123.00	10.000
31	12:35: 0	1.750	276.000	123.00	8.000
FINAL SHUT-IN					
32	12:38: 0	1.800	539.000	123.00	263.000
33	12:41: 0	1.850	762.000	123.00	223.000
34	12:44: 0	1.900	843.000	123.00	81.000
35	12:47: 0	1.950	881.000	123.00	38.000
36	12:50: 0	2.000	911.000	123.00	30.000
37	12:53: 0	2.050	928.000	123.00	17.000
38	12:56: 0	2.100	942.000	123.00	14.000
39	12:59: 0	2.150	954.000	123.00	12.000
40	13: 2: 0	2.200	964.000	123.00	10.000
41	13: 5: 0	2.250	970.000	123.00	6.000
42	13: 8: 0	2.300	977.000	123.00	7.000
43	13:11: 0	2.350	982.000	123.00	5.000
44	13:14: 0	2.400	986.000	123.00	4.000
45	13:17: 0	2.450	991.000	123.00	5.000
46	13:20: 0	2.500	995.000	123.00	4.000
47	13:23: 0	2.550	1000.000	123.00	5.000

FORMATION TEST REPORT



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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-15-88	TICKET	:	14019
CUSTOMER	:	AINSWORTH OPERATING CO.	LEASE	:	SLEEPER
WELL	:	#B-1	TEST:	:	6
ELEVATION	:	-	GEOLOGIST	:	T HIDEY
SECTION	:	4	FORMATION	:	ARBUCKLE
RANGE	:	11W	TOWNSHIP	:	22S
GAUGE SN#	:	13547	STATE	:	KANSAS
		COUNTY :	CLOCK	:	12
		RANGE :			
		4200			

INTERVAL FROM	:	3480	TO	:	3488	TOTAL DEPTH	:	3488
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3475	SIZE	:	6.63			
PACKER DEPTH	:	3480	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	RED TIGER	RIG	:	5
MUD TYPE	:	STARCH	VISCOSITY	:	42
WEIGHT	:	9.7	WATER LOSS (CC)	:	11.2
CHLORIDES (PPM)	:	67000			
JARS-MAKE	:	-	SERIAL NUMBER	:	-
DID WELL FLOW ?	:	-	REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	600	FT	I.D. inch	:	2.75
DRILL PIPE LENGTH	:	2855	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	25	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	:	NO BLOW
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: CIRCULATING SUB PIN BROKE-NO PRESSURES.

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 6:40 AM

TIME STARTED OFF BOTTOM :

WELL TEMPERATURE : 0

INITIAL HYDROSTATIC PRESSURE

(A) 0

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

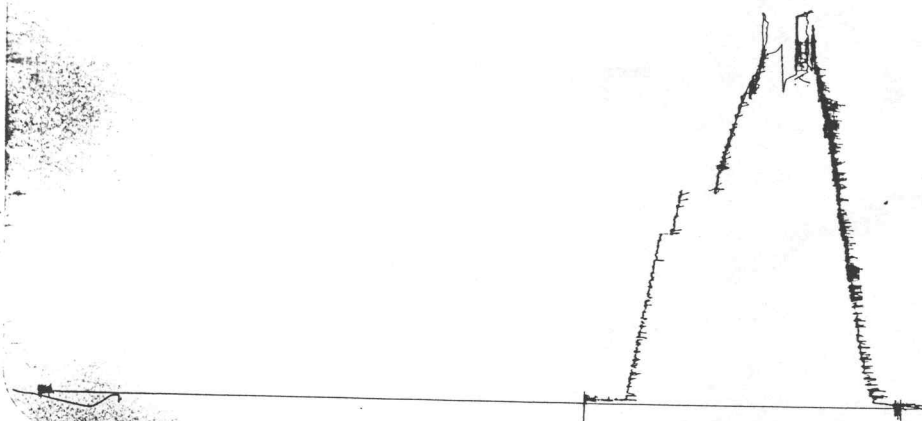
(G) 0

FINAL HYDROSTATIC PRESSURE

(H) 0

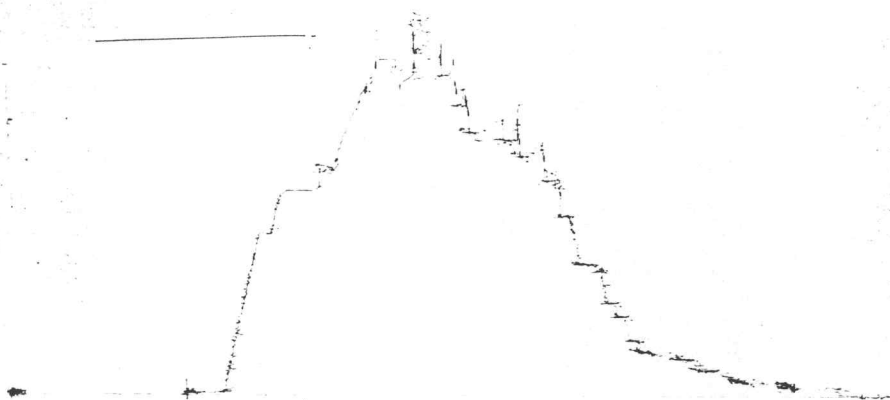
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JK # 14019

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FORMATION TEST REPORT



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Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY AINSWORTH OPERATING CO.

LEASE & WELL NO.

SLEEPER #B-1

SEC. 4

TWP. 22S

RGE. 11W

TEST NO.

DATE 8/15/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-15-88	TICKET	:	14020
CUSTOMER	:	AINSWORTH OPERATING CO.	LEASE	:	SLEEPER
WELL	:	#B-1	TEST:	:	7
ELEVATION	:	-	GEOLOGIST	:	T HIDY
SECTION	:	4	FORMATION	:	ARBUCKLE
RANGE	:	11W	TOWNSHIP	:	22S
Gauge SN#	:	13547	STATE	:	KANSAS
		COUNTY :	RANGE :		CLOCK :
		STAFFORD	4200		12

INTERVAL FROM	:	3480	TO	:	3488	TOTAL DEPTH	:	3488
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3475	SIZE	:	6.63			
PACKER DEPTH	:	3480	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	RED TIGER	RIG	:	5
MUD TYPE	:	STARCH	VISCOSITY	:	42
WEIGHT	:	9.7	WATER LOSS (CC)	:	11.2
CHLORIDES (PPM)	:	67000			
JARS-MAKE	:	-	SERIAL NUMBER	:	-
DID WELL FLOW ?	:	-	REVERSED OUT ?	:	YES

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	600	FT	I.D. inch	:	2.75
DRILL PIPE LENGTH	:	2855	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	25	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-BOTTOM OF BUCKET 1 MINUTE.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 2400 FT OF: CLEAN GASSY OIL (40 GRAVITY)

Total Barrels Fluid = 29.65
Total Fluid Prod Rate = 711.72 BFPD
Indicated Oil Rate = 711.72 BOPD
Corrected Oil Rate = 551.17 BOPD

REMARK 1 :

REMARK 2 : RECOVERED 540 FEET OF GAS ABOVE FLUID.

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 10:30 AM

TIME STARTED OFF BOTTOM : 1:00 PM

WELL TEMPERATURE : 112

INITIAL HYDROSTATIC PRESSURE

(A) 1918

INITIAL FLOW PERIOD MIN: 30

(B) 169 PSI TO (C) : 588

INITIAL CLOSED IN PERIOD MIN: 48

(D) 1117

FINAL FLOW PERIOD MIN: 30

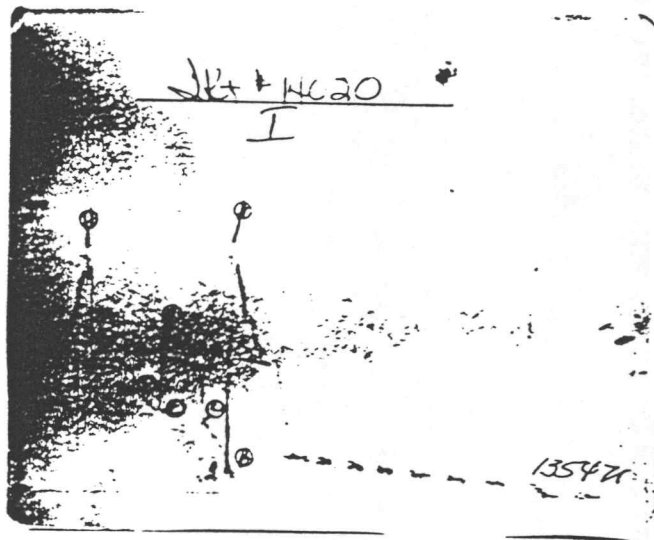
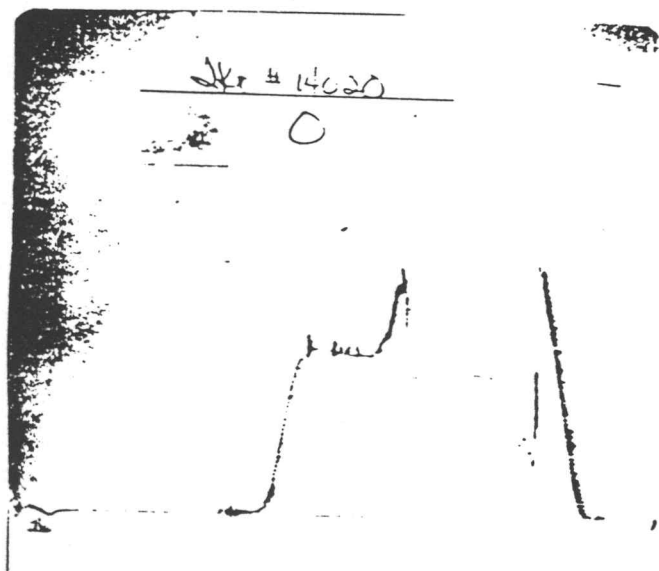
(E) 677 PSI TO (F) : 833

FINAL CLOSED IN PERIOD MIN: 48

(G) 1096

FINAL HYDROSTATIC PRESSURE

(H) 1865



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : AINSWORTH OPERATING CO.
RIG : STAFFORD-KANSAS
FIELD : SLEEPER
WELL : #B-1
DATE : 8-15-88
GAUGE NO : 13547

OPERATIONAL COMMENTS

RECOVERED 540 FEET OF GAS ABOVE FLUID.

COMPANY : AINSWORTH OPERATING CO.
WELL : #8-1
GAUGE # : 13547
DATE : 15/ 8/88

FIELD : SLEEPER
JOB # : 14020
DEPTH : 3488
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(i-1)
INITIAL FLOW					
2	10:30: 0	0.000	169.000	112.00	0.000
3	10:34:59	0.083	360.000	112.00	191.000
4	10:40: 0	0.167	408.000	112.00	48.000
5	10:45: 0	0.250	467.000	112.00	59.000
6	10:49:59	0.333	504.000	112.00	37.000
7	10:55: 0	0.417	557.000	112.00	53.000
8	11: 0: 0	0.500	588.000	112.00	31.000
INITIAL SHUT-IN					
9	11: 3: 0	0.550	933.000	112.00	345.000
10	11: 6: 0	0.600	990.000	112.00	57.000
11	11: 9: 0	0.650	1025.000	112.00	35.000
12	11:12: 0	0.700	1047.000	112.00	22.000
13	11:15: 0	0.750	1064.000	112.00	17.000
14	11:18: 0	0.800	1075.000	112.00	11.000
15	11:21: 0	0.850	1083.000	112.00	8.000
16	11:24: 0	0.900	1092.000	112.00	9.000
17	11:27: 0	0.950	1098.000	112.00	6.000
18	11:30: 0	1.000	1102.000	112.00	4.000
19	11:33: 0	1.050	1106.000	112.00	4.000
20	11:36: 0	1.100	1109.000	112.00	3.000
21	11:39: 0	1.150	1112.000	112.00	3.000
22	11:42: 0	1.200	1115.000	112.00	3.000
23	11:45: 0	1.250	1116.000	112.00	1.000
24	11:48: 0	1.300	1117.000	112.00	1.000
FINAL FLOW					
25	11:49: 0	1.317	677.000	112.00	-440.000
26	11:52:59	1.383	677.000	112.00	0.000
27	11:58: 0	1.467	697.000	112.00	20.000
28	12: 3: 0	1.550	735.000	112.00	38.000
29	12: 7:59	1.633	766.000	112.00	31.000
30	12:13: 0	1.717	802.000	112.00	36.000
31	12:18: 0	1.800	833.000	112.00	31.000
FINAL SHUT-IN					
32	12:21: 0	1.850	997.000	112.00	164.000
33	12:24: 0	1.900	1026.000	112.00	29.000
34	12:27: 0	1.950	1043.000	112.00	17.000
35	12:30: 0	2.000	1054.000	112.00	11.000
36	12:33: 0	2.050	1062.000	112.00	8.000
37	12:36: 0	2.100	1067.000	112.00	5.000
38	12:38:59	2.150	1074.000	112.00	7.000
39	12:42: 0	2.200	1077.000	112.00	3.000
40	12:45: 0	2.250	1081.000	112.00	4.000
41	12:48: 0	2.300	1085.000	112.00	4.000
42	12:51: 0	2.350	1088.000	112.00	3.000
43	12:54: 0	2.400	1091.000	112.00	3.000
44	12:56:59	2.450	1093.000	112.00	2.000
45	13: 0: 0	2.500	1095.000	112.00	2.000
46	13: 3: 0	2.550	1096.000	112.00	1.000
47	13: 6: 0	2.600	1096.000	112.00	0.000

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 8-16-88	TICKET	: 14021
CUSTOMER	: AINSWORTH OPERATING CO.	LEASE	: SLEEPER
WELL	: #B-1 TEST: 8	GEOLOGIST	: T HIDY
ELEVATION	: -	FORMATION	: ARBUCKLE
SECTION	: 4	TOWNSHIP	: 22S
RANGE	: 11W	COUNTY	: STAFFORD
GAUGE SN#	: 13403	STATE	: KANSAS
		RANGE	: 4200
		CLOCK	: 12

INTERVAL FROM	: 3488	TO	: 3496	TOTAL DEPTH	: 3496
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3483	SIZE	: 6.63		
PACKER DEPTH	: 3488	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: RED TIGER	RIG	5		
MUD TYPE	: STARCH	VISCOSITY	:	44	
WEIGHT	: 9.8	WATER LOSS (CC)	:	9.2	
CHLORIDES (PPM)	: 66000				
JARS-MAKE	: -	SERIAL NUMBER	:	-	
DID WELL FLOW ?	: -	REVERSED OUT ?	:		

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	600	FT	I.D. inch	:	2.75
DRILL PIPE LENGTH	:	2863	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	25	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	:	STRONG BLOW-BOTTOM OF BUCKET 2 MINUTES ON BOTH
BLOW COMMENT #2	:	THE INITIAL AND FINAL FLOW PERIODS.
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

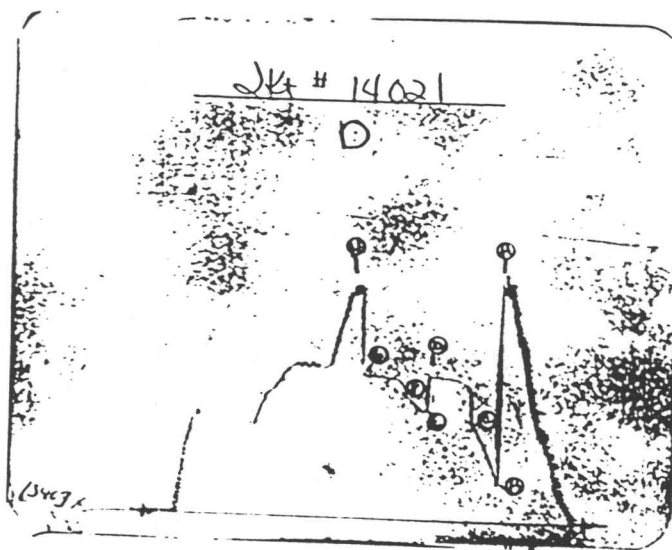
RECOVERED : 1200 FT OF: OIL CUT GASSY WATER.
60% WATER-15% OIL-25% GAS
RECOVERED : 1200 FT OF: SALT WATER

CHLORIDES: 12000 PPM

Total Barrels Fluid = 29.65
Total Fluid Prod Rate = 711.72 BFPD
Indicated Oil Rate = 53.38 BOPD
Indicated Wtr Rate = 587.17 BWPD

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

SET PACKER(S) : 2:10 AM
WELL TEMPERATURE : 112
INITIAL HYDROSTATIC PRESSURE (A) 1913
INITIAL FLOW PERIOD MIN: 30 (B) 308 PSI TO (C) : 782
INITIAL CLOSED IN PERIOD MIN: 51 (D) 1171
FINAL FLOW PERIOD MIN: 30 (E) 886 PSI TO (F) : 1012
FINAL CLOSED IN PERIOD MIN: 48 (G) 1169
FINAL HYDROSTATIC PRESSURE (H) 1877



WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : AINSWORTH OPERATING CO.
RIG : STAFFORD-KANSAS
FIELD : SLEEPER
WELL : #B-1
DATE : 8-16-88
GAUGE NO : 13403

OPERATIONAL COMMENTS

COMPANY : AINSWORTH OPERATING CO.
WELL : #8-1
GAUGE # : 13403
DATE : 16/ 8/88

FIELD : SLEEPER
JOB # : 14021
DEPTH : 3496
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					
2	2:10: 0	0.000	308.000	112.00	0.000
3	2:14:59	0.083	387.000	112.00	79.000
4	2:20: 0	0.167	475.000	112.00	88.000
5	2:25: 0	0.250	555.000	112.00	80.000
6	2:29:59	0.333	633.000	112.00	78.000
7	2:35: 0	0.417	701.000	112.00	68.000
8	2:40: 0	0.500	782.000	112.00	81.000
INITIAL SHUT-IN					
9	2:43: 0	0.550	1050.000	112.00	268.000
10	2:46: 0	0.600	1097.000	112.00	47.000
11	2:49: 0	0.650	1115.000	112.00	18.000
12	2:52: 0	0.700	1128.000	112.00	13.000
13	2:55: 0	0.750	1140.000	112.00	12.000
14	2:58: 0	0.800	1147.000	112.00	7.000
15	3: 1: 0	0.850	1152.000	112.00	5.000
16	3: 4: 0	0.900	1156.000	112.00	4.000
17	3: 7: 0	0.950	1158.000	112.00	2.000
18	3:10: 0	1.000	1160.000	112.00	2.000
19	3:13: 0	1.050	1162.000	112.00	2.000
20	3:16: 0	1.100	1164.000	112.00	2.000
21	3:19: 0	1.150	1166.000	112.00	2.000
22	3:22: 0	1.200	1168.000	112.00	2.000
23	3:25: 0	1.250	1169.000	112.00	1.000
24	3:28: 0	1.300	1170.000	112.00	1.000
25	3:31: 0	1.350	1171.000	112.00	1.000
FINAL FLOW					
26	3:32: 0	1.367	886.000	112.00	-285.000
27	3:35:59	1.433	886.000	112.00	0.000
28	3:41: 0	1.517	904.000	112.00	18.000
29	3:46: 0	1.600	940.000	112.00	36.000
30	3:50:59	1.683	973.000	112.00	33.000
31	3:56: 0	1.767	999.000	112.00	26.000
32	4: 1: 0	1.850	1012.000	112.00	13.000
FINAL SHUT-IN					
33	4: 4: 0	1.900	1105.000	112.00	93.000
34	4: 7: 0	1.950	1128.000	112.00	23.000
35	4:10: 0	2.000	1138.000	112.00	10.000
36	4:13: 0	2.050	1146.000	112.00	8.000
37	4:16: 0	2.100	1152.000	112.00	6.000
38	4:19: 0	2.150	1155.000	112.00	3.000
39	4:22: 0	2.200	1158.000	112.00	3.000
40	4:25: 0	2.250	1160.000	112.00	2.000
41	4:28: 0	2.300	1162.000	112.00	2.000
42	4:31: 0	2.350	1164.000	112.00	2.000
43	4:34: 0	2.400	1165.000	112.00	1.000
44	4:37: 0	2.450	1166.000	112.00	1.000
45	4:40: 0	2.500	1167.000	112.00	1.000
46	4:43: 0	2.550	1168.000	112.00	1.000
47	4:46: 0	2.600	1169.000	112.00	1.000
48	4:49: 0	2.650	1169.000	112.00	0.000