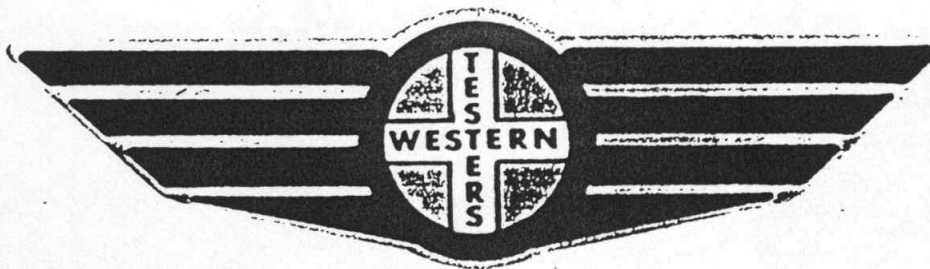


FORMATION TEST REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone (316) 262-5861

COMPANY PETROLEUM, INC. LEASE & WELL NO. #1 BRENT "B" SEC. 3 TWP. 29S RGE. 18W TEST NO. 1 DATE 4/24/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4-24-87	TICKET	:	13464
CUSTOMER	:	PETROLEUM INC.	LEASE	:	BRENT 'B'
WELL	:	#1	TEST:	:	1
ELEVATION	:	2275 GL	GEOLOGIST	:	M. NEWMAN
SECTION	:	3	FORMATION	:	EMPORIA
RANGE	:	18W	TOWNSHIP	:	29S
Gauge SN#	:	13251	STATE	:	KANSAS
		COUNTY :	CLOCK	:	12
		RANGE :			
		4375			

INTERVAL FROM	:	3578	TO	:	3620	TOTAL DEPTH	:	3620
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3573	SIZE	:	6.63			
PACKER DEPTH	:	3578	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE	RIG #2		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	40
WEIGHT	:	8.8	WATER LOSS (CC)	:	9.6
CHLORIDES (PPM)	:	8000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	180	FT	I.D. inch	:	2.50
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3376	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	42	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 FH

BLOW COMMENT #1 : STRONG BLOW ON THE INITIAL FLOW.
BLOW COMMENT #2 : GAS TO SURFACE AT START OF FINAL FLOW-SEE ATTACHED
FLOW CHART.

BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 150 FT OF: GAS CUT MUD

Total Barrels Fluid = 0.91
Total Fluid Prod Rate = 18.73 BFPD
Indicated Wtr Rate = 1.87 BWPD

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

SET PACKER(S) : 1:55 AM

TIME STARTED OFF BOTTOM : 5:40 AM

WELL TEMPERATURE : 106

INITIAL HYDROSTATIC PRESSURE

(A) 1763

INITIAL FLOW PERIOD MIN: 15

(B) 50 PSI TO (C) : 50

INITIAL CLOSED IN PERIOD MIN: 45

(D) 887

FINAL FLOW PERIOD MIN: 55

(E) 54 PSI TO (F) : 55

FINAL CLOSED IN PERIOD MIN: 129

(G) 889

FINAL HYDROSTATIC PRESSURE

(H) 1682

GAS FLOW REPORT

Date : 4-24-87	Ticket # : 13464
Customer : PETROLEUM INC.	Lease : BRENT 'B'
Well : #1 Test : 1	Geologist : M. NEWMAN
Elevation (KB) : 2280	Formation : EMPORIA
Section : 3	Township : 29S
Range : 18W	County : KANSAS
Gauge SN # : 13251	State : KANSAS
	Range : 4375
	Clock : 12

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

PRE FLOW
=====

SECOND FLOW
=====

1	MERLA	3/4"	" OF WATER	GAS TO SURFACE
10			12	49300 CFPD
20			12	49300 CFPD
30			15	55200 CFPD
40			15	55200 CFPD
50			18	60200 CFPD
60			18	60200 CFPD

Gas Bottle SN # :
Date Bottle Filled :
Date to be Invoiced- :

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PETROLEUM INC.
RIG : KIOWA-KANSAS
FIELD : BRENT 'B'
WELL : #1
DATE : 4-24-87
GAUGE NO : 13251

OPERATIONAL COMMENTS

COMPANY : PETROLEUM INC.
WELL : #1
GAUGE # : 13251
DATE : 24/ 4/87

FIELD : BRENT 'B'
JOB # : 13464
DEPTH : 3620
TEST :

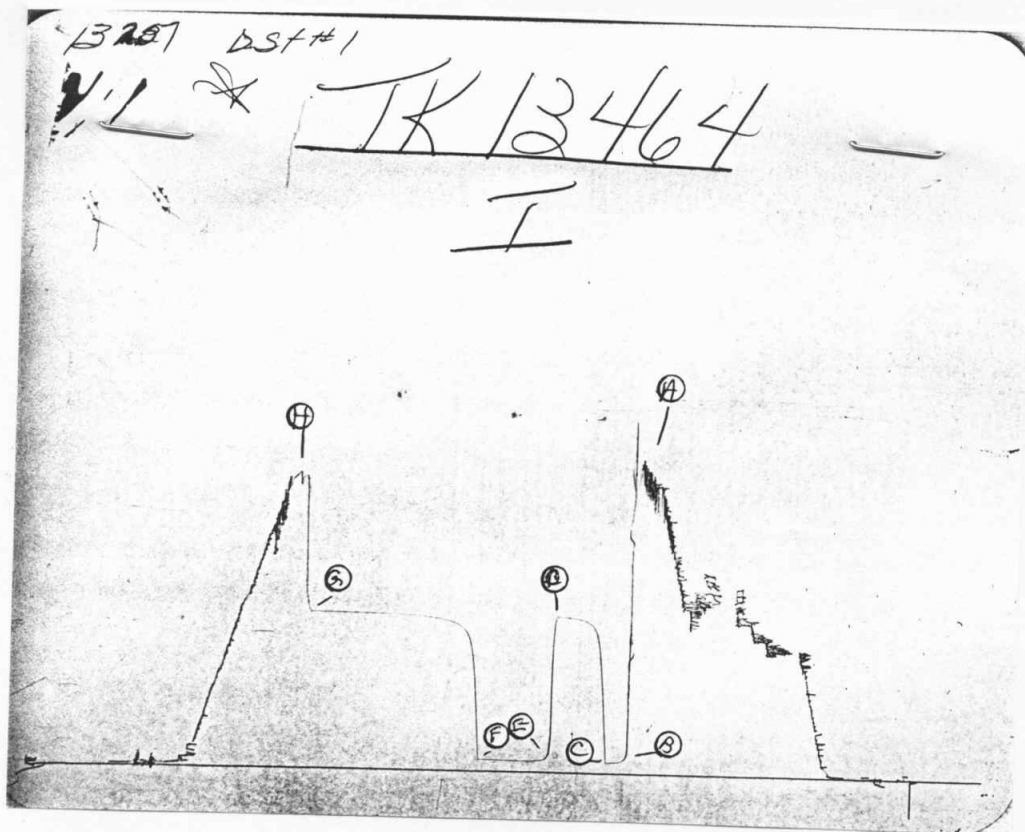
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	1:55: 0	0.000	50.000	106.00	0.000
2	1:59:59	0.083	50.000	106.00	0.000
3	2: 5: 0	0.167	50.000	106.00	0.000
4	2:10: 0	0.250	50.000	106.00	0.000
5	2:13: 0	0.300	267.000	106.00	217.000
6	2:16: 0	0.350	486.000	106.00	219.000
7	2:19: 0	0.400	683.000	106.00	197.000
8	2:22: 0	0.450	785.000	106.00	102.000
9	2:25: 0	0.500	832.000	106.00	47.000
10	2:28: 0	0.550	853.000	106.00	21.000
11	2:31: 0	0.600	863.000	106.00	10.000
12	2:34: 0	0.650	872.000	106.00	9.000
13	2:37: 0	0.700	876.000	106.00	4.000
14	2:40: 0	0.750	880.000	106.00	4.000
15	2:43: 0	0.800	882.000	106.00	2.000
16	2:46: 0	0.850	884.000	106.00	2.000
17	2:49: 0	0.900	885.000	106.00	1.000
18	2:52: 0	0.950	886.000	106.00	1.000
19	2:55: 0	1.000	887.000	106.00	1.000
20	2:56: 0	1.017	54.000	106.00	-833.000
21	2:59:59	1.083	54.000	106.00	0.000
22	3: 5: 0	1.167	54.000	106.00	0.000
23	3:10: 0	1.250	54.000	106.00	0.000
24	3:14:59	1.333	54.000	106.00	0.000
25	3:20: 0	1.417	54.000	106.00	0.000
26	3:25: 0	1.500	54.000	106.00	0.000
27	3:29:59	1.583	54.000	106.00	0.000
28	3:35: 0	1.667	55.000	106.00	1.000
29	3:40: 0	1.750	55.000	106.00	0.000
30	3:44:59	1.833	55.000	106.00	0.000
31	3:50: 0	1.917	55.000	106.00	0.000
32	3:53: 0	1.967	343.000	106.00	288.000
33	3:56: 0	2.017	572.000	106.00	229.000
34	3:59: 0	2.067	706.000	106.00	134.000
35	4: 2: 0	2.117	770.000	106.00	64.000
36	4: 5: 0	2.167	803.000	106.00	33.000
37	4: 8: 0	2.217	823.000	106.00	20.000
38	4:11: 0	2.267	836.000	106.00	13.000
39	4:14: 0	2.317	845.000	106.00	9.000
40	4:17: 0	2.367	852.000	106.00	7.000
41	4:20: 0	2.417	857.000	106.00	5.000
42	4:23: 0	2.467	862.000	106.00	5.000
43	4:26: 0	2.517	865.000	106.00	3.000
44	4:29: 0	2.567	868.000	106.00	3.000
45	4:32: 0	2.617	871.000	106.00	3.000
46	4:35: 0	2.667	873.000	106.00	2.000
47	4:38: 0	2.717	876.000	106.00	3.000
48	4:41: 0	2.767	878.000	106.00	2.000
49	4:44: 0	2.817	880.000	106.00	2.000
50	4:47: 0	2.867	882.000	106.00	2.000
51	4:50: 0	2.917	883.000	106.00	1.000
52	4:53: 0	2.967	884.000	106.00	1.000

COMPANY : PETROLEUM INC.
WELL : #1
GAUGE # : 13251
DATE : 24/ 4/87

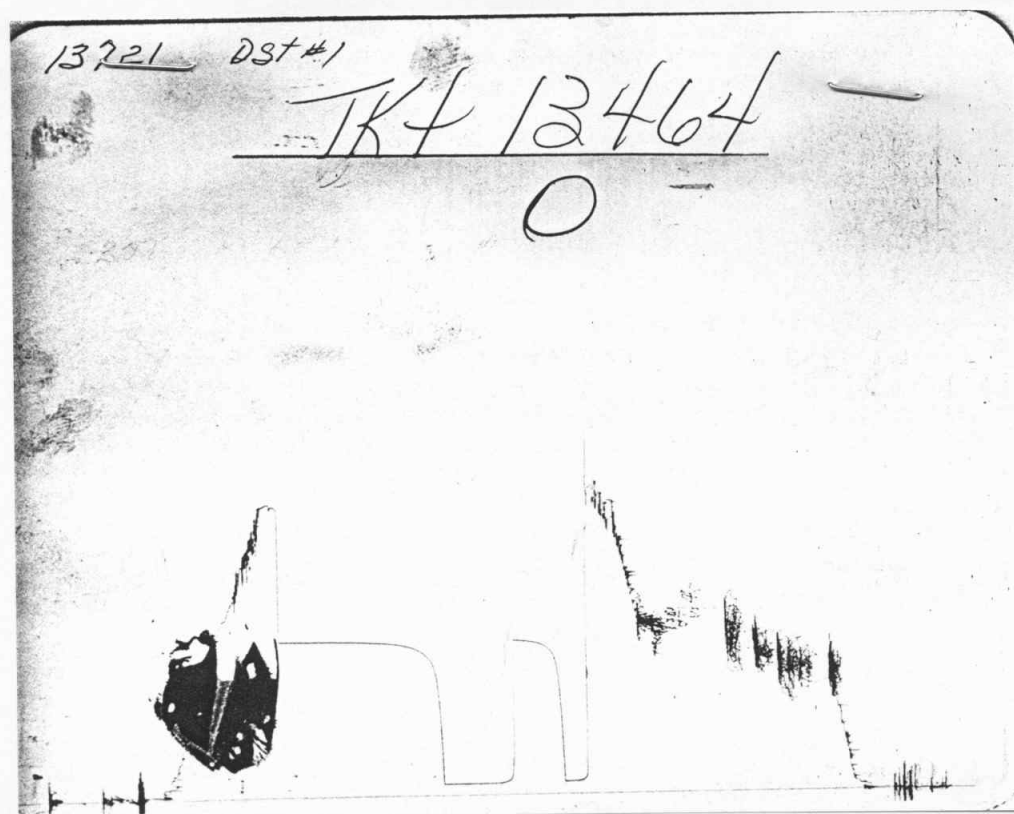
FIELD : BRENT 'B'
JOB # : 13464
DEPTH : 3620
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	4:56: 0	3.017	885.000	106.00	1.000
54	4:59: 0	3.067	886.000	106.00	1.000
55	5: 2: 0	3.117	886.000	106.00	0.000
56	5: 5: 0	3.167	886.000	106.00	0.000
57	5: 8: 0	3.217	886.000	106.00	0.000
58	5:11: 0	3.267	886.000	106.00	0.000
59	5:14: 0	3.317	886.000	106.00	0.000
60	5:17: 0	3.367	887.000	106.00	1.000
61	5:20: 0	3.417	887.000	106.00	0.000
62	5:23: 0	3.467	887.000	106.00	0.000
63	5:26: 0	3.517	887.000	106.00	0.000
64	5:29: 0	3.567	887.000	106.00	0.000
65	5:32: 0	3.617	887.000	106.00	0.000
66	5:35: 0	3.667	887.000	106.00	0.000
67	5:38: 0	3.717	888.000	106.00	1.000
68	5:41: 0	3.767	889.000	106.00	1.000
69	5:44: 0	3.817	889.000	106.00	0.000
70	5:47: 0	3.867	889.000	106.00	0.000
71	5:50: 0	3.917	889.000	106.00	0.000
72	5:53: 0	3.967	889.000	106.00	0.000
73	5:56: 0	4.017	889.000	106.00	0.000
74	5:59: 0	4.067	889.000	106.00	0.000

WESTERN TESTING CO. INC.

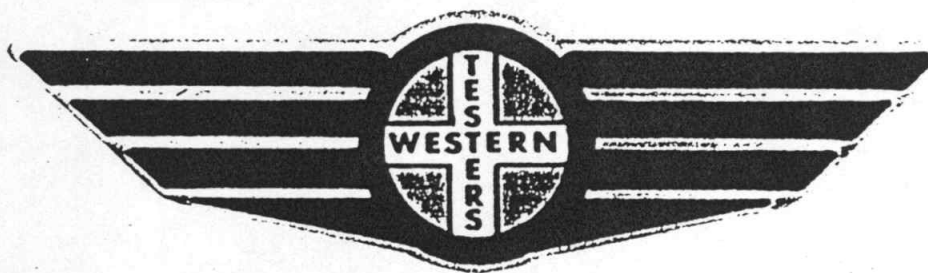


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY PETROLEUM, INC. LEASE & WELL NO. #1 BRENT "B"

SEC. 3 TWP. 29S RGE. 18W TEST NO. 2 DATE 4/26/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4-26-87	TICKET	:	13465
CUSTOMER	:	PETROLEUM INC.	LEASE	:	BRENT 'B'
WELL	:	#1	TEST:	:	2
ELEVATION	:	2275 GL	GEOLOGIST	:	M. NEWMAN
SECTION	:	3	FORMATION	:	KANSAS CITY 'A'
RANGE	:	18W	TOWNSHIP	:	29S
GAUGE SN#	:	13521	STATE	:	KANSAS
		COUNTY :	CLOCK	:	12
		RANGE :			
		4375			

INTERVAL FROM	:	4323	TO	:	4353	TOTAL DEPTH	:	4353
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4318	SIZE	:	6.63			
PACKER DEPTH	:	4323	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE	RIG #2		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	44
WEIGHT	:	9.3	WATER LOSS (CC)	:	9.2
CHLORIDES (PPM)	:	9000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	302	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3999	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	30	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 FH

BLOW COMMENT #1 : STRONG BLOW ON THE INITIAL FLOW.
BLOW COMMENT #2 : STRONG BLOW ON THE FINAL FLOW-GAS TO SURFACE IN
10 MINUTES. SEE ATTACHED FLOW CHART.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 200 FT OF: DRILLING MUD
RECOVERED : 120 FT OF: MUDDY WATER
CHLORIDES: 85000 PPM

Total Barrels Fluid = 1.74
Total Fluid Prod Rate = 35.74 BFPD
Indicated Wtr Rate = 15.64 BWPD

REMARK 1 : TIGHT HOLE!!!
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	12:25 AM	TIME STARTED OFF BOTTOM :	4:10 AM
WELL TEMPERATURE :	116		
INITIAL HYDROSTATIC PRESSURE		(A)	2252
INITIAL FLOW PERIOD MIN:	10	(B)	66 PSI TO (C) : 66
INITIAL CLOSED IN PERIOD MIN:	33	(D)	1456
FINAL FLOW PERIOD MIN:	60	(E)	97 PSI TO (F) : 118
FINAL CLOSED IN PERIOD MIN:	126	(G)	1492
FINAL HYDROSTATIC PRESSURE		(H)	2225

GAS FLOW REPORT

Date : 4-26-87
Customer : PETROLEUM INC.

Ticket # : 13465
Lease : BRENT 'B'

Well : #1 Test : 2

Geologist : NEWMAN

Elevation (KB) : 2280 Formation : KANSAS CITY 'A'

Section : 3 Township : 29S

Range : 18W County : KIOWA State : KANSAS

Gauge SN # : 13521 Range : 4375 Clock : 12

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

PRE FLOW

SECOND FLOW

TIME (MIN)	TESTER TYPE	ORFICE SIZE	INCHES OF WTR.	GAS TO SURFACE
10	MERLA	1/2"	8	17200 CFPD
20			9	18800 CFPD
30			8	17200 CFPD
40			8	17200 CFPD
50			9	18800 CFPD
60				

Gas Bottle SN # :
Date Bottle Filled :
Date to be Invoiced :

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PETROLEUM INC.
RIG : KIOWA-KANSAS
FIELD : BRENT 'B'
WELL : #1
DATE : 4-26-87
GAUGE NO : 13521

OPERATIONAL COMMENTS

TIGHT HOLE!!!

COMPANY : PETROLEUM INC.
WELL : #1
GAUGE # : 13521
DATE : 26/ 4/87

FIELD : BRENT 'B'
JOB # : 13465
DEPTH : 4353
TEST : TIGHT HOLE!!!

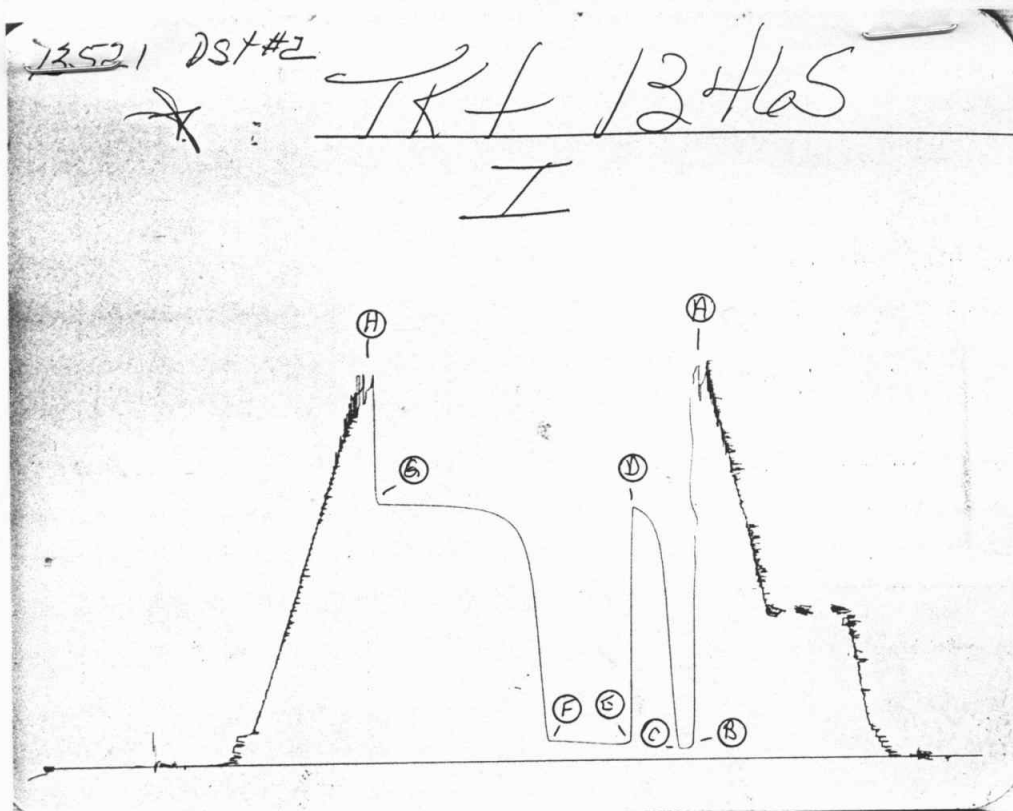
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	12:25: 0	0.000	66.000	116.00	0.000
2	12:29:59	0.083	66.000	116.00	0.000
3	12:35: 0	0.167	66.000	116.00	0.000
4	12:38: 0	0.217	269.000	116.00	203.000
5	12:41: 0	0.267	582.000	116.00	313.000
6	12:44: 0	0.317	925.000	116.00	343.000
7	12:47: 0	0.367	1151.000	116.00	226.000
8	12:50: 0	0.417	1281.000	116.00	130.000
9	12:53: 0	0.467	1342.000	116.00	61.000
10	12:56: 0	0.517	1384.000	116.00	42.000
11	12:59: 0	0.567	1411.000	116.00	27.000
12	13: 2: 0	0.617	1430.000	116.00	19.000
13	13: 5: 0	0.667	1445.000	116.00	15.000
14	13: 8: 0	0.717	1456.000	116.00	11.000
15	13: 9: 0	0.733	97.000	116.00	-1359.000
16	13:13: 0	0.800	97.000	116.00	0.000
17	13:18: 0	0.883	97.000	116.00	0.000
18	13:23: 0	0.967	97.000	116.00	0.000
19	13:28: 0	1.050	100.000	116.00	3.000
20	13:33: 0	1.133	103.000	116.00	3.000
21	13:38: 0	1.217	105.000	116.00	2.000
22	13:43: 0	1.300	108.000	116.00	3.000
23	13:48: 0	1.383	112.000	116.00	4.000
24	13:53: 0	1.467	115.000	116.00	3.000
25	13:58: 0	1.550	116.000	116.00	1.000
26	14: 3: 0	1.633	117.000	116.00	1.000
27	14: 8: 0	1.717	118.000	116.00	1.000
28	14:11: 0	1.767	315.000	116.00	197.000
29	14:14: 0	1.817	589.000	116.00	274.000
30	14:17: 0	1.867	847.000	116.00	258.000
31	14:20: 0	1.917	1046.000	116.00	199.000
32	14:23: 0	1.967	1170.000	116.00	124.000
33	14:26: 0	2.017	1250.000	116.00	80.000
34	14:29: 0	2.067	1304.000	116.00	54.000
35	14:32: 0	2.117	1346.000	116.00	42.000
36	14:35: 0	2.167	1370.000	116.00	24.000
37	14:38: 0	2.217	1388.000	116.00	18.000
38	14:41: 0	2.267	1404.000	116.00	16.000
39	14:44: 0	2.317	1418.000	116.00	14.000
40	14:47: 0	2.367	1428.000	116.00	10.000
41	14:50: 0	2.417	1438.000	116.00	10.000
42	14:53: 0	2.467	1444.000	116.00	6.000
43	14:56: 0	2.517	1451.000	116.00	7.000
44	14:59: 0	2.567	1454.000	116.00	3.000
45	15: 2: 0	2.617	1458.000	116.00	4.000
46	15: 5: 0	2.667	1462.000	116.00	4.000
47	15: 8: 0	2.717	1465.000	116.00	3.000
48	15:11: 0	2.767	1468.000	116.00	3.000
49	15:14: 0	2.817	1471.000	116.00	3.000
50	15:17: 0	2.867	1473.000	116.00	2.000
51	15:20: 0	2.917	1475.000	116.00	2.000
52	15:23: 0	2.967	1477.000	116.00	2.000

COMPANY : PETROLEUM INC.
WELL : #1
GAUGE # : 13521
DATE : 26/ 4/87

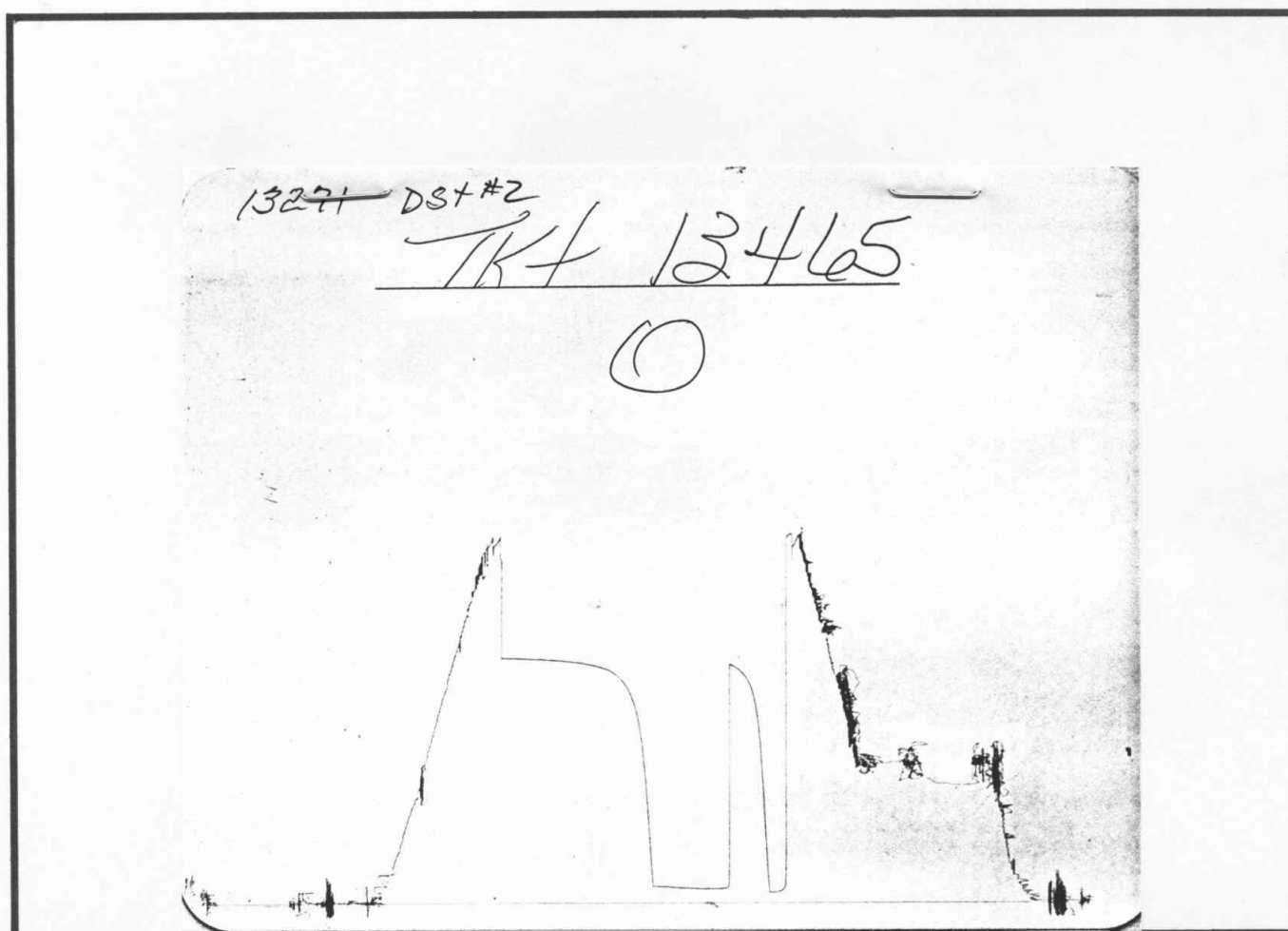
FIELD : BRENT 'B'
JOB # : 13465
DEPTH : 4353
TEST : TIGHT HOLE!!!

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
53	15:26: 0	3.017	1479.000	116.00	2.000
54	15:29: 0	3.067	1480.000	116.00	1.000
55	15:32: 0	3.117	1481.000	116.00	1.000
56	15:35: 0	3.167	1482.000	116.00	1.000
57	15:38: 0	3.217	1483.000	116.00	1.000
58	15:41: 0	3.267	1484.000	116.00	1.000
59	15:44: 0	3.317	1485.000	116.00	1.000
60	15:47: 0	3.367	1486.000	116.00	1.000
61	15:50: 0	3.417	1487.000	116.00	1.000
62	15:53: 0	3.467	1488.000	116.00	1.000
63	15:56: 0	3.517	1489.000	116.00	1.000
64	15:59: 0	3.567	1490.000	116.00	1.000
65	16: 2: 0	3.617	1491.000	116.00	1.000
66	16: 5: 0	3.667	1492.000	116.00	1.000
67	16: 8: 0	3.717	1492.000	116.00	0.000
68	16:11: 0	3.767	1492.000	116.00	0.000
69	16:14: 0	3.817	1492.000	116.00	0.000

WESTERN TESTING CO. INC.



Inside Recorder



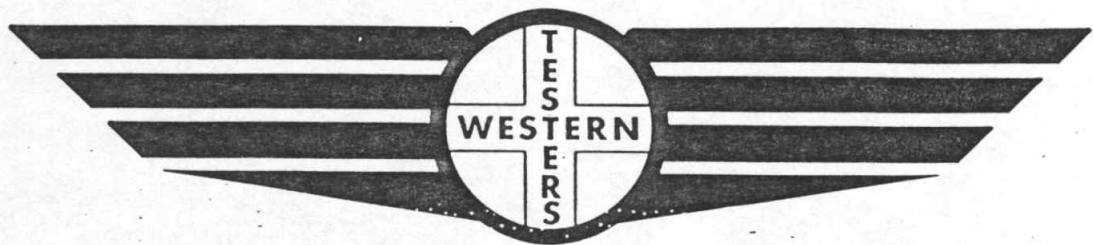
Outside Recorder

FORMATION

TEST

FILE COPY

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

PETROLEUM, INC.

LEASE & WELL NO. #1 BRENT "B"

SEC. 3 TWP. 29S RGE. 18W TEST NO. 3 DATE 4/28/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4-28-87	TICKET	:	13466
CUSTOMER	:	PETROLEUM INC.	LEASE	:	BRENT 'B'
WELL	:	#1	TEST:	:	3
ELEVATION	:	2275 GL	GEOLOGIST	:	M. NEWMAN
SECTION	:	3	FORMATION	:	MARM & PAW
RANGE	:	18W	TOWNSHIP	:	29S
GAUGE SN#	:	13521	STATE	:	KANSAS
		COUNTY :	CLOCK	:	12
		RANGE :			
		4275			

INTERVAL FROM	:	4790	TO	:	4847	TOTAL DEPTH	:	4847
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4785	SIZE	:	6.63			
PACKER DEPTH	:	4790	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE	RIG #2		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	55
WEIGHT	:	9.7	WATER LOSS (CC)	:	9.2
CHLORIDES (PPM)	:	7000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	-	REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	302	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4466	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	57	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 FH

BLOW COMMENT #1 :
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

* RECOVERED : 0 FT OF:

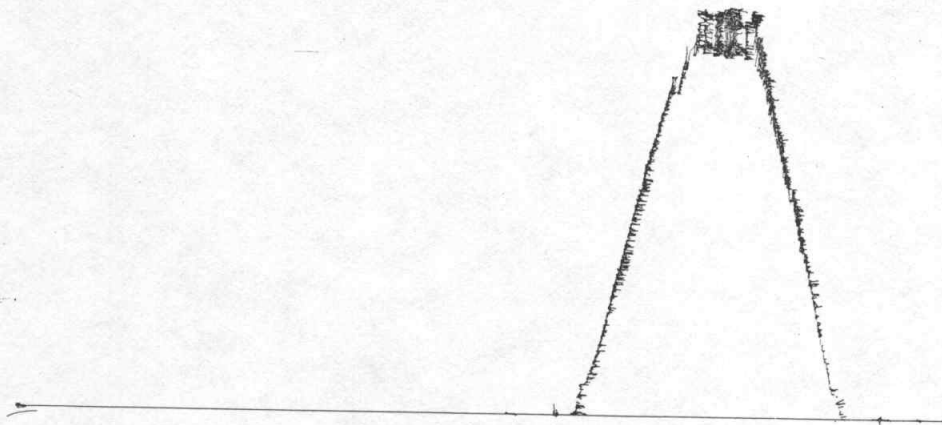
Total Barrels Fluid = 0.00
Total Fluid Prod Rate = 0.00 BFPD

REMARK 1 : MISRUN-HIT BRIDGE AT 4700 FEET-COULDN'T BREAK THROUGH
REMARK 2 : NO PRESSURES AVAILABLE.
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	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

13251 DST#3

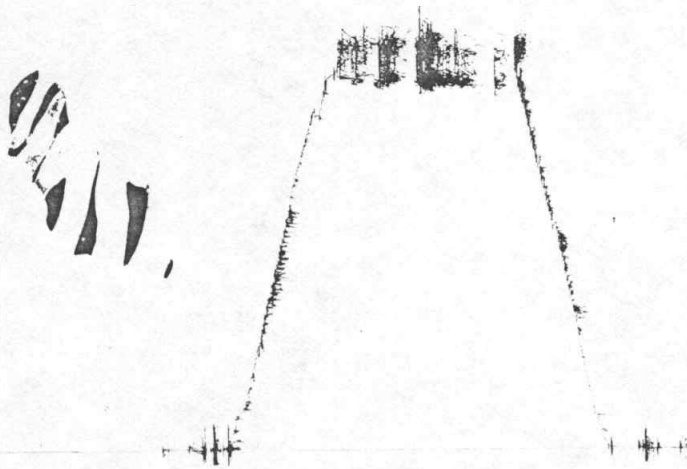
~~TK~~ TK 13466
I



Inside Recorder

1 13221 - DST#3

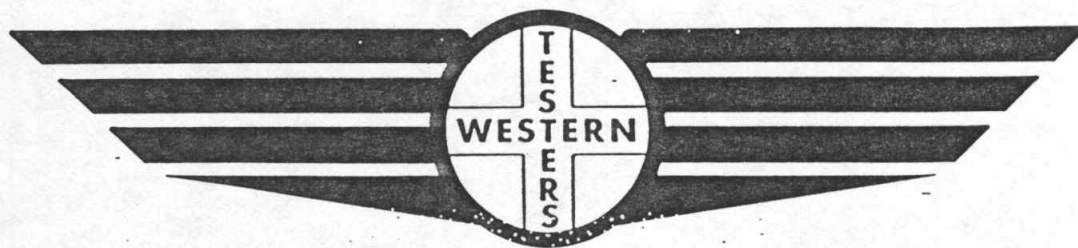
TK 13466
O



Outside Recorder

FORMATION TEST REPORT

FILE COPY



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

PANY

PETROLEUM, INC.

LEASE & WELL NO.

#1 BRENT "B"

SEC. 3

TWP. 29S

RGE. 18W

TEST NO.

4

DATE 4/29/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4-29-87	TICKET	:	13467
CUSTOMER	:	PETROLEUM INC.	LEASE	:	BRENT 'B'
WELL	:	#1	TEST:	:	4
ELEVATION	:	2275 GL	GEOLOGIST	:	M. NEWMAN
SECTION	:	3	FORMATION	:	MARM & PAW
RANGE	:	18W	COUNTY	:	KIOWA
GAUGE SN#	:	13521	RANGE	:	4375
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	4790	TO	:	4847	TOTAL DEPTH	:	4847
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4785	SIZE	:	6.63			
PACKER DEPTH	:	4790	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE	RIG #2		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	45
WEIGHT	:	9.5	WATER LOSS (CC)	:	10.0
CHLORIDES (PPM)	:	6000			
JARS-MAKE	:	-	SERIAL NUMBER	:	-
DID WELL FLOW ?	:	-	REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	302	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4466	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	57	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 FH

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 SEAT FAILURE.

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 1:15 PM

TIME STARTED OFF BOTTOM : 1:30 PM

WELL TEMPERATURE : 0

INITIAL HYDROSTATIC PRESSURE

(A) 2432

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

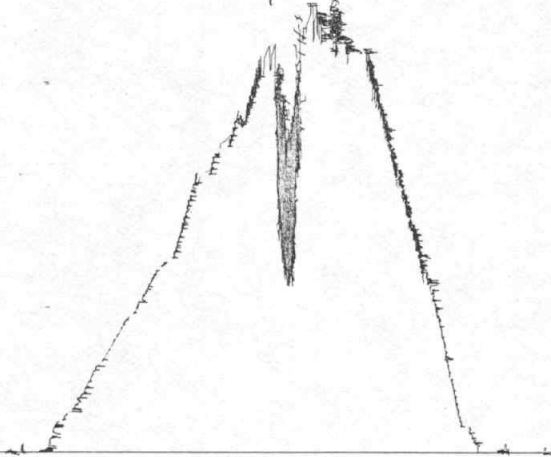
(H) 2350

13521 DST#4



TK+13467-

I

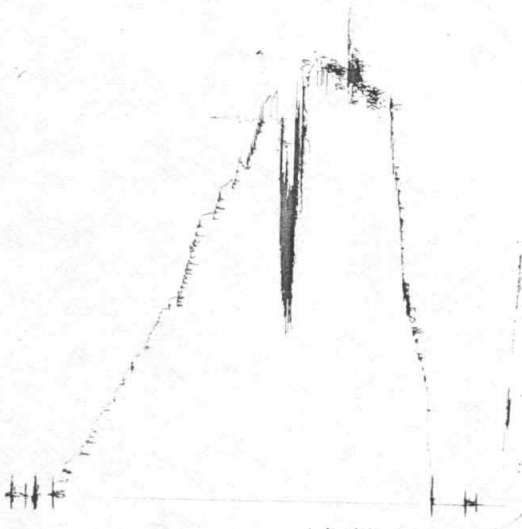


Inside Recorder

13271 DST#4

TK+13467

O



Outside Recorder

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

PARTY PETROLEUM, INC.

LEASE & WELL NO. #1 BRENT "B"

SEC. 3 TWP. 29S RGE. 18W TEST NO. 5

DATE 4/29/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4-29-87	TICKET	:	13468	
CUSTOMER	:	PETROLEUM INC.	LEASE	:	BRENT 'B'	
WELL	:	#1	TEST:	:	5	
ELEVATION	:	2275 GL	GEOLOGIST	:	M. NEWMAN	
SECTION	:	3	FORMATION	:	MARM & PAW	
RANGE	:	18W	TOWNSHIP	:	29S	
GAUGE SN#	:	13271	STATE	:	KANSAS	
		COUNTY :	KIOWA			
		RANGE :	4400	CLOCK	:	12

INTERVAL FROM	:	4734	TO	:	4847	TOTAL DEPTH	:	4847
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4729	SIZE	:	6.63			
PACKER DEPTH	:	4734	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE	RIG #2		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	45
WEIGHT	:	9.5	WATER LOSS (CC)	:	10.0
CHLORIDES (PPM)	:	6000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	302	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4410	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	113	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 FH

BLOW COMMENT #1 : STRONG BLOW ON THE INITIAL FLOW-GAS TO SURFACE IN 8 MINUTES. SEE ATTACHED FLOW CHART.

BLOW COMMENT #2 :

BLOW COMMENT #3 :

BLOW COMMENT #4 :

RECOVERED : 300 FT OF: GAS CUT MUD

Total Barrels Fluid = 1.48
Total Fluid Prod Rate = 28.32 BFPD
Indicated Wtr Rate = 2.83 BWPD

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

SET PACKER(S) : 6:15 PM

TIME STARTED OFF BOTTOM : 10:00 PM

WELL TEMPERATURE : 123

INITIAL HYDROSTATIC PRESSURE

(A) 2504

INITIAL FLOW PERIOD MIN: 15

(B) 103 PSI TO (C) : 103

INITIAL CLOSED IN PERIOD MIN: 30

(D) 1563

FINAL FLOW PERIOD MIN: 60

(E) 117 PSI TO (F) : 117

FINAL CLOSED IN PERIOD MIN: 120

(G) 1594

FINAL HYDROSTATIC PRESSURE

(H) 2396

GAS FLOW REPORT

Date : 4-29-87
 Customer : PETROLEUM INC.
 Well : #1 Test : 5
 Elevation (KB) : 2275 GL Formation : MARM & PAW
 Section : 3 Township : 29S
 Range : 18W County : KIOWA State : KANSAS
 Gauge SN # : 13271 Range : 4400 Clock : 12
 Ticket # : 13468
 Lease : BRENT 'B'
 Geologist : M. NEWMAN

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

PRE FLOW =====

8	MERLA	1"		GAS TO SURFACE
10			4	283000 CFPD
15			4	283000 CFPD

SECOND FLOW =====

5	MERLA	1"	8	415000 CFPD
10			6	353000 CFPD
20			4	283000 CFPD
30			4	283000 CFPD
40			4	283000 CFPD
50			4	283000 CFPD
60			4	283000 CFPD

Gas Bottle SN # : 22
 Date Bottle Filled : 4-29-87
 Date to be Invoiced :

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PETROLEUM INC.
RIG : KIOWA-KANSAS
FIELD : BRENT 'B'
WELL : #1
DATE : 4-29-87
GAUGE NO : 13271

OPERATIONAL COMMENTS -

COMPANY : PETROLEUM INC.
WELL : #1
GAUGE # : 13271
DATE : 29/ 4/87

FIELD : BRENT 'B'
JOB # : 13468
DEPTH : 4847
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6:15: 0	0.000	103.000	123.00	0.000
2	6:19:59	0.083	103.000	123.00	0.000
3	6:25: 0	0.167	103.000	123.00	0.000
4	6:30: 0	0.250	103.000	123.00	0.000
5	6:33: 0	0.300	614.000	123.00	511.000
6	6:36: 0	0.350	960.000	123.00	346.000
7	6:39: 0	0.400	1183.000	123.00	223.000
8	6:42: 0	0.450	1365.000	123.00	182.000
9	6:45: 0	0.500	1463.000	123.00	98.000
10	6:48: 0	0.550	1508.000	123.00	45.000
11	6:51: 0	0.600	1530.000	123.00	22.000
12	6:54: 0	0.650	1543.000	123.00	13.000
13	6:57: 0	0.700	1554.000	123.00	11.000
14	7: 0: 0	0.750	1563.000	123.00	9.000
15	7: 1: 0	0.767	117.000	123.00	-1446.000
16	7: 4:59	0.833	117.000	123.00	0.000
17	7:10: 0	0.917	117.000	123.00	0.000
18	7:15: 0	1.000	117.000	123.00	0.000
19	7:19:59	1.083	117.000	123.00	0.000
20	7:25: 0	1.167	117.000	123.00	0.000
21	7:30: 0	1.250	117.000	123.00	0.000
22	7:34:59	1.333	117.000	123.00	0.000
23	7:40: 0	1.417	117.000	123.00	0.000
24	7:45: 0	1.500	117.000	123.00	0.000
25	7:49:59	1.583	117.000	123.00	0.000
26	7:55: 0	1.667	117.000	123.00	0.000
27	8: 0: 0	1.750	117.000	123.00	0.000
28	8: 3: 0	1.800	563.000	123.00	446.000
29	8: 6: 0	1.850	875.000	123.00	312.000
30	8: 9: 0	1.900	1132.000	123.00	257.000
31	8:12: 0	1.950	1294.000	123.00	162.000
32	8:15: 0	2.000	1391.000	123.00	97.000
33	8:18: 0	2.050	1450.000	123.00	59.000
34	8:21: 0	2.100	1480.000	123.00	30.000
35	8:24: 0	2.150	1500.000	123.00	20.000
36	8:27: 0	2.200	1517.000	123.00	17.000
37	8:30: 0	2.250	1528.000	123.00	11.000
38	8:33: 0	2.300	1327.000	123.00	-201.000
39	8:36: 0	2.350	1543.000	123.00	216.000
40	8:39: 0	2.400	1548.000	123.00	5.000
41	8:42: 0	2.450	1552.000	123.00	4.000
42	8:45: 0	2.500	1557.000	123.00	5.000
43	8:48: 0	2.550	1560.000	123.00	3.000
44	8:51: 0	2.600	1563.000	123.00	3.000
45	8:54: 0	2.650	1566.000	123.00	3.000
46	8:57: 0	2.700	1568.000	123.00	2.000
47	9: 0: 0	2.750	1570.000	123.00	2.000
48	9: 3: 0	2.800	1572.000	123.00	2.000
49	9: 6: 0	2.850	1573.000	123.00	1.000
50	9: 9: 0	2.900	1574.000	123.00	1.000
51	9:12: 0	2.950	1575.000	123.00	1.000
52	9:15: 0	3.000	1576.000	123.00	1.000

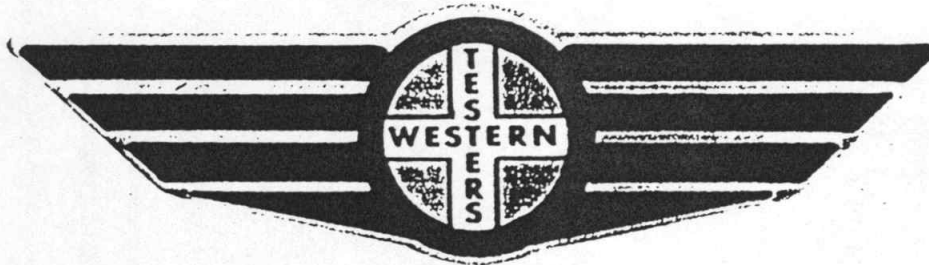
COMPANY : PETROLEUM INC.
WELL : #1
GAUGE # : 13271
DATE : 29/ 4/87

FIELD : BRENT 'B'
JOB # : 13468
DEPTH : 4847
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	9:18: 0	3.050	1579.000	123.00	3.000
54	9:21: 0	3.100	1582.000	123.00	3.000
55	9:24: 0	3.150	1584.000	123.00	2.000
56	9:27: 0	3.200	1586.000	123.00	2.000
57	9:30: 0	3.250	1588.000	123.00	2.000
58	9:33: 0	3.300	1589.000	123.00	1.000
59	9:36: 0	3.350	1590.000	123.00	1.000
60	9:39: 0	3.400	1590.000	123.00	0.000
61	9:42: 0	3.450	1591.000	123.00	1.000
62	9:45: 0	3.500	1591.000	123.00	0.000
63	9:48: 0	3.550	1592.000	123.00	1.000
64	9:51: 0	3.600	1592.000	123.00	0.000
65	9:54: 0	3.650	1593.000	123.00	1.000
66	9:57: 0	3.700	1593.000	123.00	0.000
67	10: 0: 0	3.750	1594.000	123.00	1.000

WESTERN TESTING CO. INC.

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY _____ PETROLEUM, INC. _____
LEASE & WELL NO. _____ #1 BRENT "B" _____
SEC. 3 _____ TWP. 29S _____ RGE. 18W TEST NO. 6 _____ DATE 4/30/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4-30-87	TICKET	:	13469
CUSTOMER	:	PETROLEUM INC.	LEASE	:	BRENT 'B'
WELL	:	#1	TEST:	:	6
ELEVATION	:	2275 GL	GEOLOGIST	:	M. NEWMAN
SECTION	:	3	FORMATION	:	MISSISSIPPIAN
RANGE	:	18W	TOWNSHIP	:	29S
Gauge SN#	:	13251	STATE	:	KANSAS
		COUNTY :	RANGE :		CLOCK :
			4375		12

INTERVAL FROM	:	4940	TO	:	4975	TOTAL DEPTH	:	4975
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4935	SIZE	:	6.63			
PACKER DEPTH	:	4940	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BLUE GOOSE	RIG #2		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	48
WEIGHT	:	9.4	WATER LOSS (CC)	:	12.0
CHLORIDES (PPM)	:	7000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	302	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4616	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	35	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 FH

BLOW COMMENT #1 : GOOD TO STRONG (10 INCH BLOW INTO WATER) ON BOTH
THE INITIAL AND FINAL FLOW.

BLOW COMMENT #2 : NO GAS TO SURFACE.

BLOW COMMENT #3 :

BLOW COMMENT #4 :

RECOVERED : 60 FT OF: SLIGHTLY OIL & GAS CUT MUD (3% OIL)
RECOVERED : 60 FT OF: GAS & WATER CUT MUD (SLIGHT SHOW OF OIL)
15% GAS-25% WATER-60% MUD

CHLORIDES: 48000 PPM

Total Barrels Fluid = 0.59
Total Fluid Prod Rate = 11.33 BFPD
Indicated Oil Rate = 0.19 BOPD
Indicated Wtr Rate = 2.08 BWPD

REMARK 1 :
REMARK 2 : RECOVERED 600 FEET OF GAS ABOVE FLUID.
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 8:15 PM

TIME STARTED OFF BOTTOM : 12:00 AM

WELL TEMPERATURE : 124

INITIAL HYDROSTATIC PRESSURE

(A) 2605 -

INITIAL FLOW PERIOD MIN: 15

(B) 45 PSI TO (C) : 45

INITIAL CLOSED IN PERIOD MIN: 36

(D) 1142

FINAL FLOW PERIOD MIN: 60

(E) 66 PSI TO (F) : 80

FINAL CLOSED IN PERIOD MIN: 126

(G) 1507

FINAL HYDROSTATIC PRESSURE

(H) 2519

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PETROLEUM INC.
RIG : KIOWA-KANSAS
FIELD : BRENT 'B'
WELL : #1
DATE : 4-30-87
GAUGE NO : 13251

OPERATIONAL COMMENTS

RECOVERED 600 FEET OF GAS ABOVE FLUID.

COMPANY : PETROLEUM INC.
WELL : #1
GAUGE # : 13251
DATE : 30/ 4/87

FIELD : BRENT 'B'
JOB # : 13469
DEPTH : 4975
TEST :

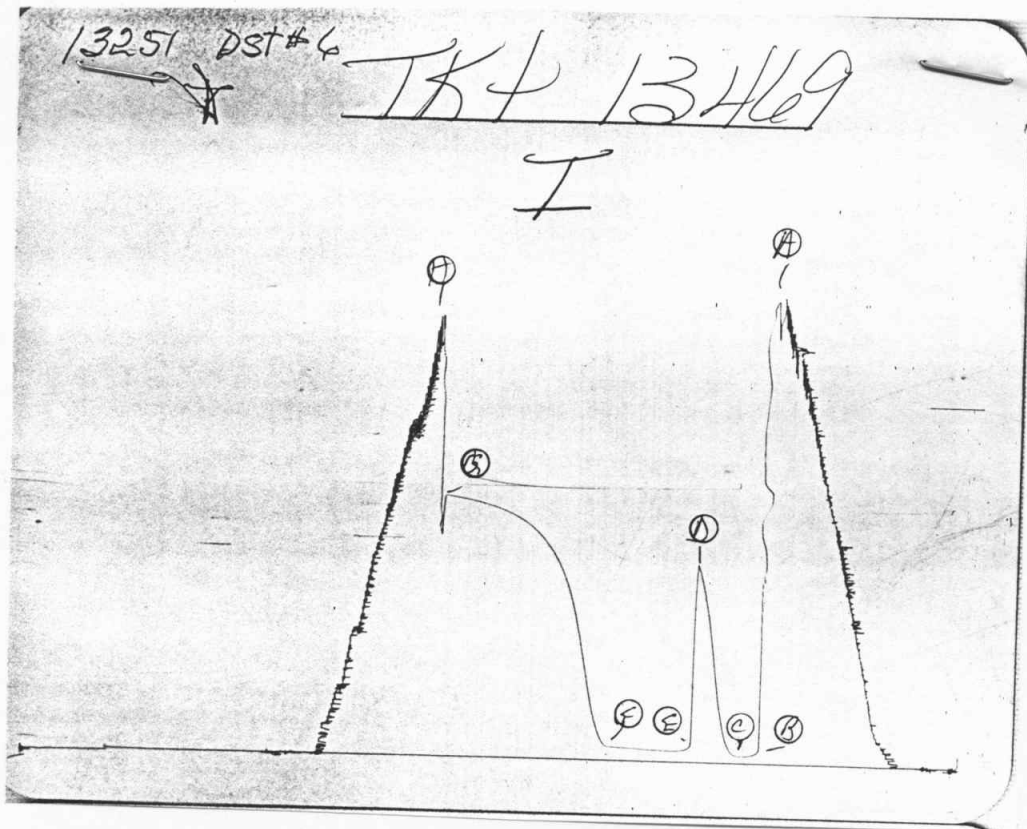
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	8:15: 0	0.000	45.000	124.00	0.000
2	8:19:59	0.083	45.000	124.00	0.000
3	8:25: 0	0.167	45.000	124.00	0.000
4	8:30: 0	0.250	45.000	124.00	0.000
5	8:33: 0	0.300	48.000	124.00	3.000
6	8:36: 0	0.350	61.000	124.00	13.000
7	8:39: 0	0.400	103.000	124.00	42.000
8	8:42: 0	0.450	173.000	124.00	70.000
9	8:45: 0	0.500	290.000	124.00	117.000
10	8:48: 0	0.550	429.000	124.00	139.000
11	8:51: 0	0.600	593.000	124.00	164.000
12	8:54: 0	0.650	767.000	124.00	174.000
13	8:57: 0	0.700	904.000	124.00	137.000
14	9: 0: 0	0.750	1012.000	124.00	108.000
15	9: 3: 0	0.800	1104.000	124.00	92.000
16	9: 6: 0	0.850	1142.000	124.00	38.000
17	9: 7: 0	0.867	66.000	124.00	-1076.000
18	9:10:59	0.933	66.000	124.00	0.000
19	9:16: 0	1.017	66.000	124.00	0.000
20	9:21: 0	1.100	66.000	124.00	0.000
21	9:25:59	1.183	66.000	124.00	0.000
22	9:31: 0	1.267	68.000	124.00	2.000
23	9:36: 0	1.350	69.000	124.00	1.000
24	9:40:59	1.433	71.000	124.00	2.000
25	9:46: 0	1.517	73.000	124.00	2.000
26	9:51: 0	1.600	75.000	124.00	2.000
27	9:55:59	1.683	77.000	124.00	2.000
28	10: 1: 0	1.767	79.000	124.00	2.000
29	10: 6: 0	1.850	80.000	124.00	1.000
30	10: 9: 0	1.900	95.000	124.00	15.000
31	10:12: 0	1.950	133.000	124.00	38.000
32	10:15: 0	2.000	194.000	124.00	61.000
33	10:18: 0	2.050	277.000	124.00	83.000
34	10:21: 0	2.100	392.000	124.00	115.000
35	10:24: 0	2.150	507.000	124.00	115.000
36	10:27: 0	2.200	622.000	124.00	115.000
37	10:30: 0	2.250	737.000	124.00	115.000
38	10:33: 0	2.300	846.000	124.00	109.000
39	10:36: 0	2.350	931.000	124.00	85.000
40	10:39: 0	2.400	1007.000	124.00	76.000
41	10:42: 0	2.450	1069.000	124.00	62.000
42	10:45: 0	2.500	1120.000	124.00	51.000
43	10:48: 0	2.550	1160.000	124.00	40.000
44	10:51: 0	2.600	1202.000	124.00	42.000
45	10:54: 0	2.650	1232.000	124.00	30.000
46	10:57: 0	2.700	1262.000	124.00	30.000
47	11: 0: 0	2.750	1291.000	124.00	29.000
48	11: 3: 0	2.800	1313.000	124.00	22.000
49	11: 6: 0	2.850	1332.000	124.00	19.000
50	11: 9: 0	2.900	1349.000	124.00	17.000
51	11:12: 0	2.950	1368.000	124.00	19.000
52	11:15: 0	3.000	1383.000	124.00	15.000

COMPANY : PETROLEUM INC.
WELL : #1
GAUGE # : 13251
DATE : 30/ 4/87

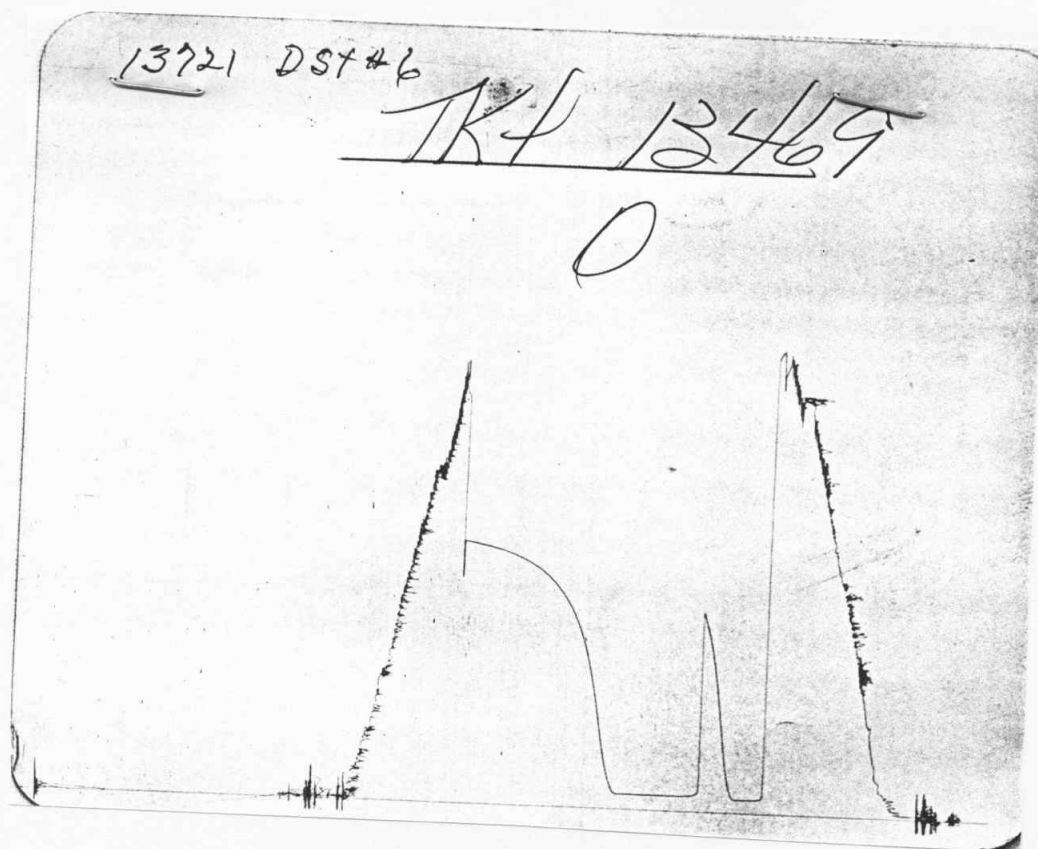
FIELD : BRENT 'B'
JOB # : 13469
DEPTH : 4975
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(1-1)
53	11:18: 0	3.050	1394.000	124.00	11.000
54	11:21: 0	3.100	1404.000	124.00	10.000
55	11:24: 0	3.150	1417.000	124.00	13.000
56	11:27: 0	3.200	1427.000	124.00	10.000
57	11:30: 0	3.250	1435.000	124.00	8.000
58	11:33: 0	3.300	1442.000	124.00	7.000
59	11:36: 0	3.350	1451.000	124.00	9.000
60	11:39: 0	3.400	1455.000	124.00	4.000
61	11:42: 0	3.450	1463.000	124.00	8.000
62	11:45: 0	3.500	1470.000	124.00	7.000
63	11:48: 0	3.550	1476.000	124.00	6.000
64	11:51: 0	3.600	1480.000	124.00	4.000
65	11:54: 0	3.650	1485.000	124.00	5.000
66	11:57: 0	3.700	1490.000	124.00	5.000
67	12: 0: 0	3.750	1493.000	124.00	3.000
68	12: 3: 0	3.800	1498.000	124.00	5.000
69	12: 6: 0	3.850	1500.000	124.00	2.000
70	12: 9: 0	3.900	1503.000	124.00	3.000
71	12:11:59	3.950	1507.000	124.00	4.000

WESTERN TESTING CO. INC.



Inside Recorder



Outside Recorder