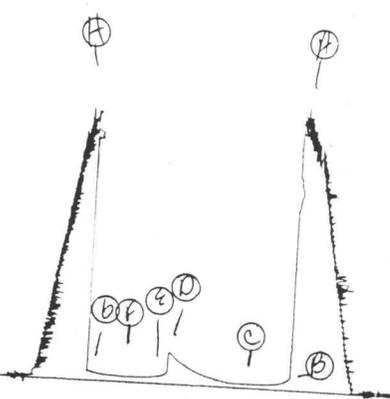


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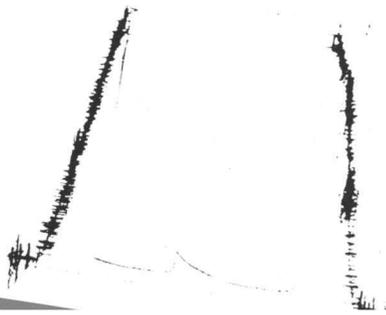
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ALSO

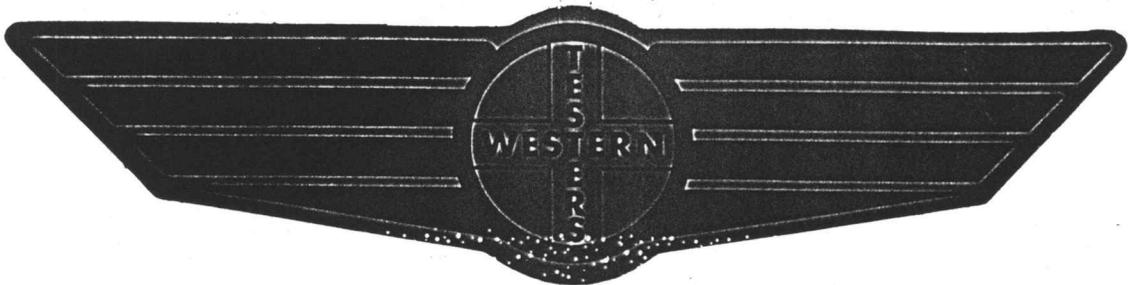


JK4 # 13362
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0.57m
1.34m



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY PENDLETON LAND & EXPLORATION & LEASE & WELL NO.
H & C OIL OPERATING CO., INC.
#1 SOEKEN
SEC. 21 TWP. 17S. RGE. 11W
TEST NO. 1
DATE 3/6/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 3-6-87	TICKET	: 13362
CUSTOMER	: PENDLETON LAND & EXPLOR. & H&C OIL OPER.	LEASE	: SOEKEN
WELL	: #1	TEST:	: 1
ELEVATION	: 1796 GL	GEOLOGIST	: R. SMITH
SECTION	: 21	FORMATION	: LANSING
RANGE	: 11W	COUNTY	: BARTON
GAUGE SN#	: 10270	RANGE	: 4150
		STATE	: KANSAS
		CLOCK	: 12

INTERVAL FROM : 2979 TO : 3060 TOTAL DEPTH : 3060

DEPTH OF SELECTIVE ZONE :

PACKER DEPTH	: 2974	SIZE	: 6.63
PACKER DEPTH	: 2979	SIZE	: 6.63
PACKER DEPTH	:	SIZE	:
PACKER DEPTH	:	SIZE	:

DRILLING CON.	: ALLEN DRILLING	RIG #1	:
MUD TYPE	: CHEMICAL	VISCOSITY	: 50
WEIGHT	: 9	WATER LOSS (CC)	: 8.4
CHLORIDES (PPM)	: 6000		
JARS-MAKE	: -	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 0	FT	:	I.D. inch	: 0.00
WEIGHT PIPE LENGTH	: 0	FT	:	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 2959	FT	:	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT	:	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 81	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 : WEAK 1/2" BLOW THROUGHOUT THE INITIAL FLOW.
 BLOW COMMENT #2 : NO BLOW ON THE FINAL FLOW.
 BLOW COMMENT #3 :
 BLOW COMMENT #4 :

RECOVERED : 10 FT OF: MUD /WITH SHOW OF OIL-ON TOP OF TOOL

Total Barrels Fluid = 0.14
Total Fluid Prod Rate = 3.37 BFPD
Indicated Wtr Rate = 3.03 BWPD

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

SET PACKER(S) : 8:50 PM
WELL TEMPERATURE : 100
INITIAL HYDROSTATIC PRESSURE (A) 1441
INITIAL FLOW PERIOD MIN: 30 (B) 31 PSI TO (C) : 25
INITIAL CLOSED IN PERIOD MIN: 60 (D) 174
FINAL FLOW PERIOD MIN: 30 (E) 31 PSI TO (F) : 31
FINAL CLOSED IN PERIOD MIN: 30 (G) 49
FINAL HYDROSTATIC PRESSURE (H) 1400

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PENDLETON LAND & EXPLOR. & H&C OIL OPER.
RIG : BARTON-KANSAS
FIELD : SOEKEN
WELL : #1
DATE : 3-6-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : PENDLETON LAND & EXPLOR. & H&C OIL OPER.

FIELD : SOEKEN

WELL : #1

JOB # : 13362

GAUGE # : 10270

DEPTH : 3060

DATE : 6/ 3/87

TEST :

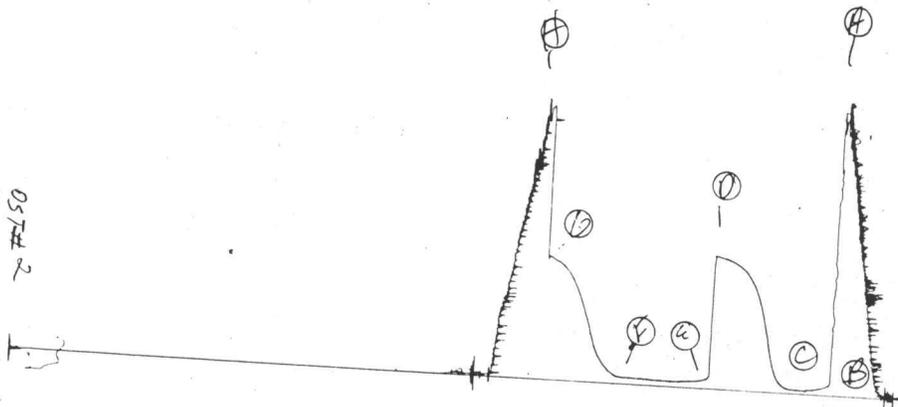
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	8:50:0	0.000	31.000	100.00	0.000
2	8:54:59	0.083	31.000	100.00	0.000
3	9:0:0	0.167	31.000	100.00	0.000
4	9:5:0	0.250	27.000	100.00	-4.000
5	9:9:59	0.333	27.000	100.00	0.000
6	9:15:0	0.417	25.000	100.00	-2.000
7	9:20:0	0.500	25.000	100.00	0.000
8	9:23:0	0.550	25.000	100.00	0.000
9	9:26:0	0.600	25.000	100.00	0.000
10	9:29:0	0.650	25.000	100.00	0.000
11	9:32:0	0.700	25.000	100.00	0.000
12	9:35:0	0.750	26.000	100.00	1.000
13	9:38:0	0.800	28.000	100.00	2.000
14	9:41:0	0.850	31.000	100.00	3.000
15	9:44:0	0.900	37.000	100.00	6.000
16	9:47:0	0.950	42.000	100.00	5.000
17	9:50:0	1.000	47.000	100.00	5.000
18	9:53:0	1.050	54.000	100.00	7.000
19	9:56:0	1.100	60.000	100.00	6.000
20	9:59:0	1.150	68.000	100.00	8.000
21	10:2:0	1.200	79.000	100.00	11.000
22	10:5:0	1.250	90.000	100.00	11.000
23	10:8:0	1.300	103.000	100.00	13.000
24	10:11:0	1.350	116.000	100.00	13.000
25	10:14:0	1.400	131.000	100.00	15.000
26	10:17:0	1.450	152.000	100.00	21.000
27	10:20:0	1.500	174.000	100.00	22.000
28	10:21:0	1.517	31.000	100.00	-143.000
29	10:24:59	1.583	31.000	100.00	0.000
30	10:30:0	1.667	31.000	100.00	0.000
31	10:35:0	1.750	31.000	100.00	0.000
32	10:39:59	1.833	31.000	100.00	0.000
33	10:45:0	1.917	31.000	100.00	0.000
34	10:50:0	2.000	31.000	100.00	0.000
35	10:53:0	2.050	31.000	100.00	0.000
36	10:56:0	2.100	31.000	100.00	0.000
37	10:59:0	2.150	32.000	100.00	1.000
38	11:2:0	2.200	33.000	100.00	1.000
39	11:5:0	2.250	34.000	100.00	1.000
40	11:8:0	2.300	36.000	100.00	2.000
41	11:11:0	2.350	39.000	100.00	3.000
42	11:14:0	2.400	42.000	100.00	3.000
43	11:17:0	2.450	45.000	100.00	3.000
44	11:20:0	2.500	49.000	100.00	4.000

WESTERN TESTING CO. INC.

St # 1336 S

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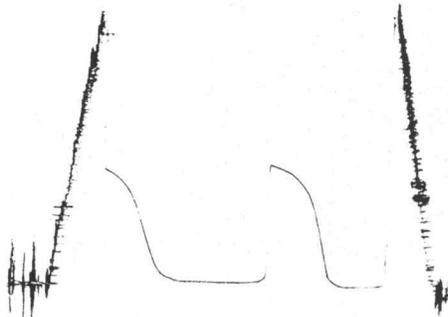
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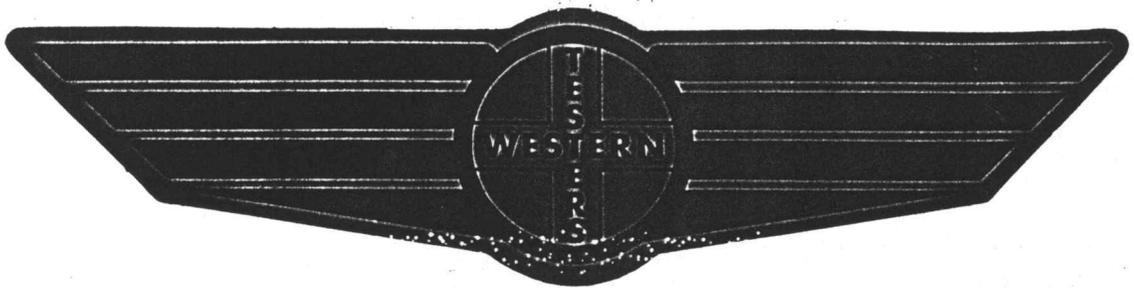
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13368



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY PENDLETON LAND & EXPLORATION & LEASE & WELL NO. #1 SOEKEN
H & C OIL OPERATING CO., INC. SEC. 21 TWP. 17SRGE. 11W TEST NO. 2 DATE 3/7/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 3-7-87 TICKET : 13363
CUSTOMER : PENDLETON LAND & EXPLOR. & H&C OIL OPER.
LEASE : SOEKEN
WELL : #1 TEST: 2 GEOLOGIST : R. SMITH
ELEVATION : 1796 GL FORMATION : LANSING
SECTION : 21 TOWNSHIP : 17S
RANGE : 11W COUNTY : BARTON STATE : KANSAS
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3049 TO : 3150 TOTAL DEPTH : 3150
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3044 SIZE : 6.63
PACKER DEPTH : 3049 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN DRILLING RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 47
WEIGHT : 9.2 WATER LOSS (CC) : 8.8
CHLORIDES (PPM) : 7500
JARS-MAKE : - SERIAL NUMBER : -
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3029 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 101 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 THROUGHOUT- 1/2" BLOW INCREASED TO 1".
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW INCREASED TO FAIR BLOW-1" TO 3".
BLOW COMMENT #3 :
BLOW COMMENT #4 :

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PENDLETON LAND & EXPLOR. & H&C OIL OPER.
RIG : BARTON-KANSAS
FIELD : SOEKEN
WELL : #1
DATE : 3-7-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

RECOVERED 60 FEET OF GAS ABOVE FLUID.

COMPANY : PENDLETON LAND & EXPLOR. & H&C OIL OPER.
 FIELD : SOEKEN
 WELL : #1
 JOB # : 13363
 GAUGE # : 10270
 DEPTH : 3150
 DATE : 7/ 3/87
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	10: 0: 0	0.000	27.000	102.00	0.000
2	10: 4: 59	0.083	27.000	102.00	0.000
3	10: 10: 0	0.167	27.000	102.00	0.000
4	10: 15: 0	0.250	23.000	102.00	-4.000
5	10: 19: 59	0.333	20.000	102.00	-3.000
6	10: 25: 0	0.417	20.000	102.00	0.000
7	10: 30: 0	0.500	22.000	102.00	2.000
8	10: 33: 0	0.550	33.000	102.00	11.000
9	10: 36: 0	0.600	53.000	102.00	20.000
10	10: 39: 0	0.650	89.000	102.00	36.000
11	10: 42: 0	0.700	154.000	102.00	65.000
12	10: 45: 0	0.750	247.000	102.00	93.000
13	10: 48: 0	0.800	356.000	102.00	109.000
14	10: 51: 0	0.850	443.000	102.00	87.000
15	10: 54: 0	0.900	510.000	102.00	67.000
16	10: 57: 0	0.950	564.000	102.00	54.000
17	11: 0: 0	1.000	603.000	102.00	39.000
18	11: 2: 59	1.050	634.000	102.00	31.000
19	11: 6: 0	1.100	657.000	102.00	23.000
20	11: 9: 0	1.150	674.000	102.00	17.000
21	11: 12: 0	1.200	688.000	102.00	14.000
22	11: 15: 0	1.250	700.000	102.00	12.000
23	11: 18: 0	1.300	709.000	102.00	9.000
24	11: 21: 0	1.350	715.000	102.00	6.000
25	11: 24: 0	1.400	721.000	102.00	6.000
26	11: 27: 0	1.450	727.000	102.00	6.000
27	11: 28: 0	1.467	37.000	102.00	-690.000
28	11: 31: 59	1.533	37.000	102.00	0.000
29	11: 37: 0	1.617	37.000	102.00	0.000
30	11: 42: 0	1.700	37.000	102.00	0.000
31	11: 46: 59	1.783	37.000	102.00	0.000
32	11: 52: 0	1.867	37.000	102.00	0.000
33	11: 57: 0	1.950	37.000	102.00	0.000
34	12: 1: 59	2.033	37.000	102.00	0.000
35	12: 7: 0	2.117	37.000	102.00	0.000
36	12: 12: 0	2.200	37.000	102.00	0.000
37	12: 16: 59	2.283	37.000	102.00	0.000
38	12: 22: 0	2.367	37.000	102.00	0.000
39	12: 27: 0	2.450	37.000	102.00	0.000
40	12: 30: 0	2.500	37.000	102.00	0.000
41	12: 33: 0	2.550	39.000	102.00	2.000
42	12: 36: 0	2.600	45.000	102.00	6.000
43	12: 39: 0	2.650	60.000	102.00	15.000
44	12: 42: 0	2.700	78.000	102.00	18.000
45	12: 45: 0	2.750	101.000	102.00	23.000
46	12: 48: 0	2.800	138.000	102.00	37.000
47	12: 51: 0	2.850	177.000	102.00	39.000
48	12: 54: 0	2.900	238.000	102.00	61.000
49	12: 57: 0	2.950	314.000	102.00	76.000
50	13: 0: 0	3.000	381.000	102.00	67.000
51	13: 3: 0	3.050	440.000	102.00	59.000
52	13: 6: 0	3.100	498.000	102.00	58.000

COMPANY : PENDLETON LAND & EXPLOR. & H&C OIL OPER.

FIELD : SOEKEN

WELL : #1

JOB # : 13363

GAUGE # : 10270

DEPTH : 3150

DATE : 7/ 3/87

TEST :

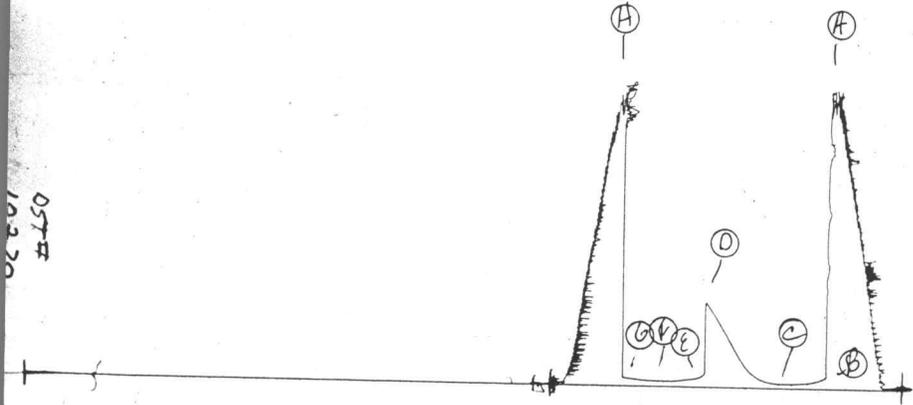
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	13: 9: 0	3.150	548.000	102.00	50.000
54	13:12: 0	3.200	585.000	102.00	37.000
55	13:15: 0	3.250	610.000	102.00	25.000
56	13:18: 0	3.300	632.000	102.00	22.000
57	13:21: 0	3.350	649.000	102.00	17.000
58	13:24: 0	3.400	661.000	102.00	12.000
59	13:27: 0	3.450	674.000	102.00	13.000

WESTERN TESTING CO. INC.

St # 13364

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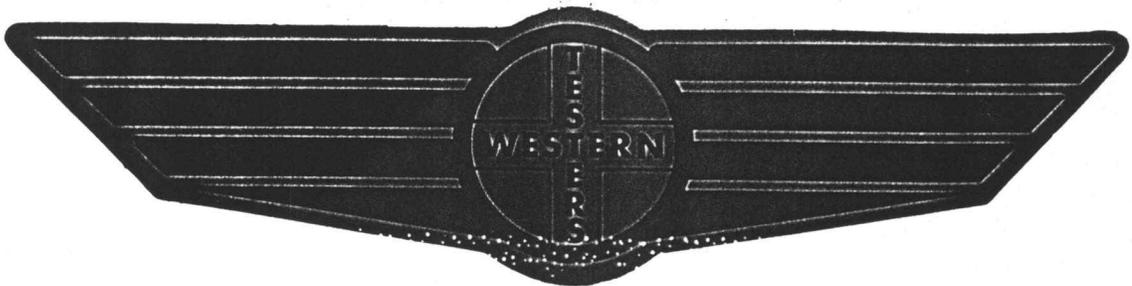


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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY PENDLETON LAND & EXPLORATION & LEASE & WELL NO. #1 SOEKEN
H & C OIL OPERATING CO., INC. SEC. 21 TWP. 17S RGE. 11W TEST NO. 3 DATE 3/8/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 3-8-87 TICKET : 13364
CUSTOMER : PENDLETON LAND & EXPLOR. & H&C OIL OPER.
LEASE : SOEKEN
WELL : #1 TEST: 3 GEOLOGIST : R. SMITH
ELEVATION : 1796 GL FORMATION : LANSING
SECTION : 21 TOWNSHIP : 17S
RANGE : 11W COUNTY : BARTON STATE : KANSAS
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3150 TO : 3250 TOTAL DEPTH : 3250

DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3145 SIZE : 6.63
PACKER DEPTH : 3150 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN DRILLING RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 53
WEIGHT : 9.1 WATER LOSS (CC) : 8.8
CHLORIDES (PPM) : 7500
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3130 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 100 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 : WEAK 1" TO 1 1/2" BLOW THROUGHOUT THE INITIAL FLOW.
BLOW COMMENT #2 : VERY WEAK BLOW DIED IN 10 MINUTES ON THE FINAL FLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 10 FT OF: MUD /WITH SHOW OF OIL IN TOP OF TOOL

Total Barrels Fluid = 0.14
Total Fluid Prod Rate = 3.37 BFPD
Indicated Wtr Rate = 3.03 BWPD

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

SET PACKER(S) : 3:00 AM TIME STARTED OFF BOTTOM : 5:30 AM
WELL TEMPERATURE : 104
INITIAL HYDROSTATIC PRESSURE (A) 1617
INITIAL FLOW PERIOD MIN: 30 (B) 29 PSI TO (C) : 29
INITIAL CLOSED IN PERIOD MIN: 60 (D) 466
FINAL FLOW PERIOD MIN: 30 (E) 34 PSI TO (F) : 34
FINAL CLOSED IN PERIOD MIN: 30 (G) 47
FINAL HYDROSTATIC PRESSURE (H) 1617

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PENDLETON LAND & EXPLOR. & H&C OIL OPER.
RIG : BARTON-KANSAS
FIELD : SOEKEN
WELL : #1
DATE : 3-8-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : PENDLETON LAND & EXPLOR. & H&C OIL OPER.

FIELD : SOEKEN

WELL : #1

JOB # : 13364

GAUGE # : 10270

DEPTH : 3250

DATE : 8/ 3/87

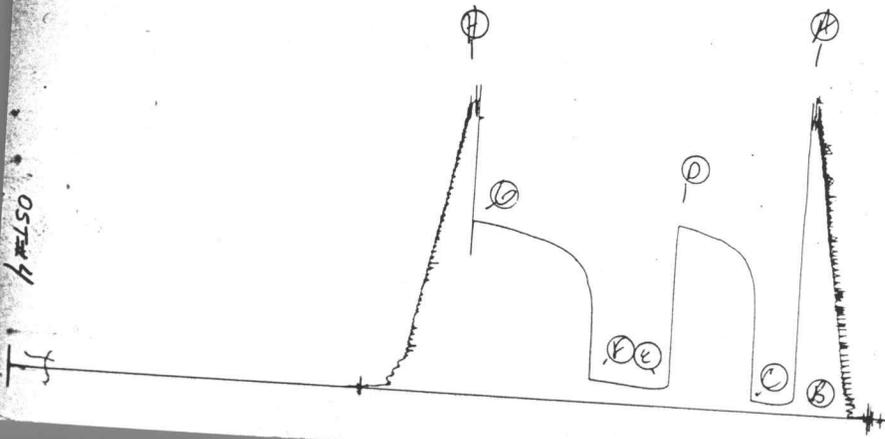
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	3: 0: 0	0.000	29.000	104.00	0.000
2	3: 4: 59	0.083	29.000	104.00	0.000
3	3: 10: 0	0.167	29.000	104.00	0.000
4	3: 15: 0	0.250	29.000	104.00	0.000
5	3: 19: 59	0.333	29.000	104.00	0.000
6	3: 25: 0	0.417	29.000	104.00	0.000
7	3: 30: 0	0.500	29.000	104.00	0.000
8	3: 33: 0	0.550	29.000	104.00	0.000
9	3: 36: 0	0.600	29.000	104.00	0.000
10	3: 39: 0	0.650	30.000	104.00	1.000
11	3: 42: 0	0.700	33.000	104.00	3.000
12	3: 45: 0	0.750	40.000	104.00	7.000
13	3: 48: 0	0.800	48.000	104.00	8.000
14	3: 51: 0	0.850	60.000	104.00	12.000
15	3: 54: 0	0.900	75.000	104.00	15.000
16	3: 57: 0	0.950	94.000	104.00	19.000
17	4: 0: 0	1.000	122.000	104.00	28.000
18	4: 2: 59	1.050	154.000	104.00	32.000
19	4: 6: 0	1.100	191.000	104.00	37.000
20	4: 9: 0	1.150	224.000	104.00	33.000
21	4: 12: 0	1.200	263.000	104.00	39.000
22	4: 15: 0	1.250	302.000	104.00	39.000
23	4: 18: 0	1.300	334.000	104.00	32.000
24	4: 21: 0	1.350	372.000	104.00	38.000
25	4: 24: 0	1.400	405.000	104.00	33.000
26	4: 27: 0	1.450	435.000	104.00	30.000
27	4: 30: 0	1.500	466.000	104.00	31.000
28	4: 31: 0	1.517	34.000	104.00	-432.000
29	4: 34: 59	1.583	34.000	104.00	0.000
30	4: 40: 0	1.667	34.000	104.00	0.000
31	4: 45: 0	1.750	34.000	104.00	0.000
32	4: 49: 59	1.833	34.000	104.00	0.000
33	4: 55: 0	1.917	34.000	104.00	0.000
34	5: 0: 0	2.000	34.000	104.00	0.000
35	5: 3: 0	2.050	34.000	104.00	0.000
36	5: 5: 59	2.100	34.000	104.00	0.000
37	5: 9: 0	2.150	34.000	104.00	0.000
38	5: 12: 0	2.200	34.000	104.00	0.000
39	5: 15: 0	2.250	37.000	104.00	3.000
40	5: 18: 0	2.300	39.000	104.00	2.000
41	5: 21: 0	2.350	41.000	104.00	2.000
42	5: 24: 0	2.400	43.000	104.00	2.000
43	5: 27: 0	2.450	45.000	104.00	2.000
44	5: 30: 0	2.500	47.000	104.00	2.000

WESTERN TESTING CO. INC.

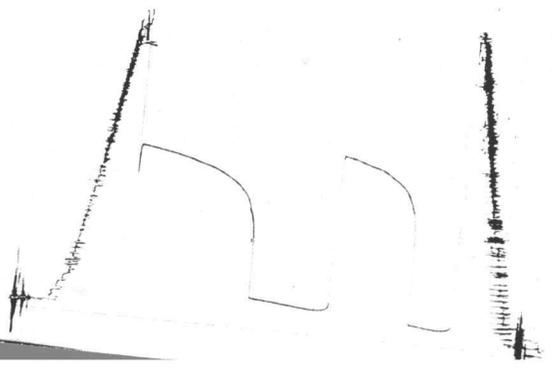
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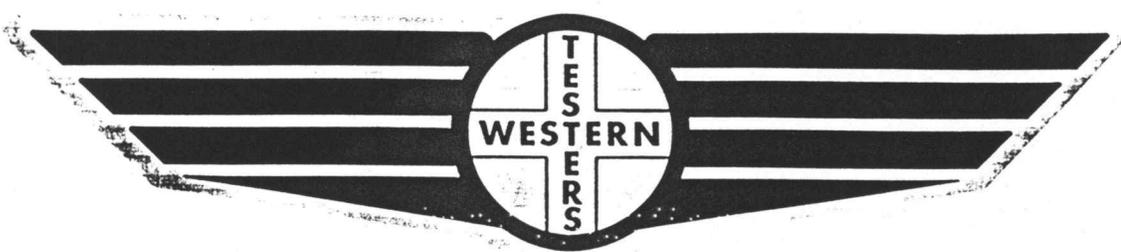


JK #13365
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0750
/ RLSO



FORMATION TEST REPORT



Home Office:
P.O. Box 1599

Wichita, Kansas 67201
Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 3-8-87 TICKET : 13365
CUSTOMER : PENDLETON LAND & EXPLOR. & H&C OIL OPERATING
LEASE : SOEKEN
WELL : #1 TEST: 4 GEOLOGIST : R. SMITH
ELEVATION : 1796 FORMATION : ARBUCKLE
SECTION : 21 TOWNSHIP : 17S
RANGE : 11W COUNTY : BARTON STATE : KANSAS
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3262 TO : 3282 TOTAL DEPTH : 3282
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3262 SIZE : 6.63
PACKER DEPTH : 3257 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN DRLG. RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 53
WEIGHT : 9.1 WATER LOSS (CC) : 8.8
CHLORIDES (PPM) : 7500
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3242 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-WEAK 1" BLOW BUILDING TO A GOOD 8" BLOW.
BLOW COMMENT #2 : FINAL FLOW-FAIR TO STRONG BLOW-BOTTOM OF BUCKET IN
40 MINUTES.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 60 FT OF: CLEAN OIL GRAVITY 39
 RECOVERED : 30 FT OF: MUDDY GASSY OIL
 58% OIL-10% GAS-12% WTR-20% MUD
 RECOVERED : 60 FT OF: OIL CUT MUDDY WATER
 4% OIL-45% MUD-51% WTR
 RECOVERED : 120 FT OF: MUDDY WATER /WITH SCUM OF OIL
 20% MUD-80% WTR

Total Barrels Fluid = 3.79
 Total Fluid Prod Rate = 60.59 BFPD
 Indicated Oil Rate = 17.95 BOPD
 Indicated Wtr Rate = 40.84 BWPD
 Corrected Oil Rate = 38.10 BOPD
 Corrected Wtr Rate = 86.67 BWPD

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

SET PACKER(S) :		TIME STARTED OFF BOTTOM :
WELL TEMPERATURE :	108	
INITIAL HYDROSTATIC PRESSURE		(A) 1614
INITIAL FLOW PERIOD MIN:	30	(B) 64 PSI TO (C) : 60
INITIAL CLOSED IN PERIOD MIN:	63	(D) 993
FINAL FLOW PERIOD MIN:	60	(E) 106 PSI TO (F) : 125
FINAL CLOSED IN PERIOD MIN:	93	(G) 950
FINAL HYDROSTATIC PRESSURE		(H) 1599

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PENDLETON LAND & EXPLOR. & H&C. OIL OPERATING
RIG : BARTON-KANSAS
FIELD : SOEKEN
WELL : #1
DATE : 3-8-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

WELL : #1

JOB # : 13365

GAUGE # : 10270

DEPTH : 3282

DATE : 8/ 3/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	0: 0: 0	0.000	64.000	108.00	0.000
2	0: 4: 59	0.083	52.000	108.00	-12.000
3	0: 10: 0	0.167	45.000	108.00	-7.000
4	0: 15: 0	0.250	47.000	108.00	2.000
5	0: 19: 59	0.333	54.000	108.00	7.000
6	0: 25: 0	0.417	56.000	108.00	2.000
7	0: 30: 0	0.500	60.000	108.00	4.000
8	0: 33: 0	0.550	489.000	108.00	429.000
9	0: 36: 0	0.600	697.000	108.00	208.000
10	0: 39: 0	0.650	769.000	108.00	72.000
11	0: 42: 0	0.700	817.000	108.00	48.000
12	0: 45: 0	0.750	848.000	108.00	31.000
13	0: 48: 0	0.800	871.000	108.00	23.000
14	0: 51: 0	0.850	885.000	108.00	14.000
15	0: 54: 0	0.900	902.000	108.00	17.000
16	0: 57: 0	0.950	914.000	108.00	12.000
17	1: 0: 0	1.000	927.000	108.00	13.000
18	1: 2: 59	1.050	937.000	108.00	10.000
19	1: 6: 0	1.100	943.000	108.00	6.000
20	1: 9: 0	1.150	948.000	108.00	5.000
21	1: 12: 0	1.200	954.000	108.00	6.000
22	1: 15: 0	1.250	962.000	108.00	8.000
23	1: 18: 0	1.300	970.000	108.00	8.000
24	1: 21: 0	1.350	979.000	108.00	9.000
25	1: 24: 0	1.400	985.000	108.00	6.000
26	1: 27: 0	1.450	989.000	108.00	4.000
27	1: 30: 0	1.500	991.000	108.00	2.000
28	1: 33: 0	1.550	993.000	108.00	2.000
29	1: 34: 0	1.567	106.000	108.00	-887.000
30	1: 37: 59	1.633	100.000	108.00	-6.000
31	1: 43: 0	1.717	93.000	108.00	-7.000
32	1: 48: 0	1.800	95.000	108.00	2.000
33	1: 52: 59	1.883	97.000	108.00	2.000
34	1: 58: 0	1.967	100.000	108.00	3.000
35	2: 3: 0	2.050	104.000	108.00	4.000
36	2: 7: 59	2.133	108.000	108.00	4.000
37	2: 13: 0	2.217	114.000	108.00	6.000
38	2: 18: 0	2.300	118.000	108.00	4.000
39	2: 22: 59	2.383	120.000	108.00	2.000
40	2: 28: 0	2.467	122.000	108.00	2.000
41	2: 33: 0	2.550	125.000	108.00	3.000
42	2: 36: 0	2.600	506.000	108.00	381.000
43	2: 38: 59	2.650	626.000	108.00	120.000
44	2: 42: 0	2.700	705.000	108.00	79.000
45	2: 45: 0	2.750	742.000	108.00	37.000
46	2: 48: 0	2.800	763.000	108.00	21.000
47	2: 51: 0	2.850	790.000	108.00	27.000
48	2: 53: 59	2.900	804.000	108.00	14.000
49	2: 57: 0	2.950	819.000	108.00	15.000
50	3: 0: 0	3.000	834.000	108.00	15.000
51	3: 3: 0	3.050	842.000	108.00	8.000
52	3: 6: 0	3.100	852.000	108.00	10.000

COMPANY : PENDLETON LAND & EXPLOR. & H&C OIL OPERATING
 FIELD : SOEKEN
 WELL : #1
 JOB # : 13365
 GAUGE # : 10270
 DEPTH : 3282
 DATE : 8/ 3/87
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	3: 9: 0	3.150	860.000	108.00	8.000
54	3:11:59	3.200	867.000	108.00	7.000
55	3:15: 0	3.250	875.000	108.00	8.000
56	3:18: 0	3.300	879.000	108.00	4.000
57	3:21: 0	3.350	881.000	108.00	2.000
58	3:24: 0	3.400	892.000	108.00	11.000
59	3:26:59	3.450	898.000	108.00	6.000
60	3:30: 0	3.500	902.000	108.00	4.000
61	3:33: 0	3.550	908.000	108.00	6.000
62	3:36: 0	3.600	917.000	108.00	9.000
63	3:39: 0	3.650	921.000	108.00	4.000
64	3:41:59	3.700	925.000	108.00	4.000
65	3:45: 0	3.750	929.000	108.00	4.000
66	3:48: 0	3.800	933.000	108.00	4.000
67	3:51: 0	3.850	937.000	108.00	4.000
68	3:54: 0	3.900	941.000	108.00	4.000
69	3:56:59	3.950	943.000	108.00	2.000
70	4: 0: 0	4.000	946.000	108.00	3.000
71	4: 3: 0	4.050	948.000	108.00	2.000
72	4: 6: 0	4.100	950.000	108.00	2.000

WESTERN TESTING CO. INC.

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : H & C & PENDLETON
RIG : BARTON-KANSAS
FIELD : SOEKEN
WELL : #1
DATE : 3-8-87
GAUGE NO : 10270
TEST : SHUTIN2

COMPANY : H & C & PENDLETON
 WELL : #1
 GAUGE # : 10270
 DATE : 8/ 3/87
 Comment : SHUTIN2
 Horner T: 1 Hours

FIELD : SOEKEN
 JOB # : 13365
 DEPTH : 3282
 TEST :

DATA No.	REAL TIME HR:MM:SS	EVENT TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	HORNER (T+dt)/dt	DELTA P PSIG
41	2:33:0	0.000	125.000	108.00	0.0000	0.000
42	2:36:0	0.050	506.000	108.00	21.0000	381.000
43	2:38:59	0.100	626.000	108.00	11.0000	501.000
44	2:42:0	0.150	705.000	108.00	7.6667	580.000
45	2:45:0	0.200	742.000	108.00	6.0000	617.000
46	2:48:0	0.250	763.000	108.00	5.0000	638.000
47	2:51:0	0.300	790.000	108.00	4.3333	665.000
48	2:53:59	0.350	804.000	108.00	3.8571	679.000
49	2:57:0	0.400	819.000	108.00	3.5000	694.000
50	3:0:0	0.450	834.000	108.00	3.2222	709.000
51	3:3:0	0.500	842.000	108.00	3.0000	717.000
52	3:6:0	0.550	852.000	108.00	2.8182	727.000
53	3:9:0	0.600	860.000	108.00	2.6667	735.000
54	3:11:59	0.650	867.000	108.00	2.5385	742.000
55	3:15:0	0.700	875.000	108.00	2.4286	750.000
56	3:18:0	0.750	879.000	108.00	2.3333	754.000
57	3:21:0	0.800	881.000	108.00	2.2500	756.000
58	3:24:0	0.850	892.000	108.00	2.1765	767.000
59	3:26:59	0.900	898.000	108.00	2.1111	773.000
60	3:30:0	0.950	902.000	108.00	2.0526	777.000
61	3:33:0	1.000	908.000	108.00	2.0000	783.000
62	3:36:0	1.050	917.000	108.00	1.9524	792.000
63	3:39:0	1.100	921.000	108.00	1.9091	796.000
64	3:41:59	1.150	925.000	108.00	1.8696	800.000
65	3:45:0	1.200	929.000	108.00	1.8333	804.000
66	3:48:0	1.250	933.000	108.00	1.8000	808.000
67	3:51:0	1.300	937.000	108.00	1.7692	812.000
68	3:54:0	1.350	941.000	108.00	1.7407	816.000
69	3:56:59	1.400	943.000	108.00	1.7143	818.000
70	4:0:0	1.450	946.000	108.00	1.6897	821.000
71	4:3:0	1.500	948.000	108.00	1.6667	823.000
72	4:6:0	1.550	950.000	108.00	1.6452	825.000

WESTERN TESTING CO. INC.

WESTERN TESTING CO. INC.
WICHITA - KANSAS

WELL TEST ANALYSIS REPORT
HORNER METHOD
SHUTIN No. 2

COMPANY H & C & PENDLETON
DATE 3-8-87
FIELD SOEKEN
WELL #1
AREA BARTON-KANSAS
JOB NUMBER 13365
GAUGE NUMBER 10270
GAUGE DEPTH 3282
ZONE TESTED 3262-3282

PHASE : OIL FUNCTION : PRESSURE

=====I=N=P=U=T====D=A=T=A====S=U=M=M=A=R=Y=====

THICKNESS.	H	1.0000E+01	Feet
POROSITY	POR	1.5000E-01	Frac
VISCOSITY.	U	2.4000E+00	Cp
FORMATION VOLUME FACTOR.	B	1.0023E+00	Rb/stb
TOTAL COMPRESSIBILITY.	Ct	7.5000E-06	Psi ⁻¹
WELLBORE RADIUS.	Rw	5.2000E-01	Feet
DRAINAGE RADIUS.	Re	1.5000E+03	Feet
RESERVOIR TEMPERATURE.	T	1.0800E+02	Deg F
GRAVITY OF FLUID	G	3.9000E+01	
PVT EVALUATION PRESSURE.	P	0.0000E+00	Psig
PRESSURE AT SHUT-IN.	Pwf	1.2500E+02	Psig
FINAL RECORDED PRESSURE.	Ps	9.5000E+02	Psig
PRODUCTION RATE.	Q	1.2694E+02	Bbl/day
TOTAL FLOW TIME.	T	1.0000E+00	Hours

=====R=E=G=R=E=S=S=I=O=N====R=E=S=U=L=T=S=====

LEAST SQUARE RESULTS OVER THE INTERVAL :
FROM 4 TO 1.5

SLOPE OF THE LINE.	4.0238E+02	psi/cycle
FALSE PRESSURE, PSTAR.	1.0334E+03	psi
PRESSURE AT 1 HOUR	9.1224E+02	psi

=====A=N=A=L=Y=S=I=S====R=E=S=U=L=T=S=====

TRANSMISSIBILITY. . . . .	.Kh/u	5.1414E+01	md-ft/cp
FLOW CAPACITY. . . . .	.Kh	1.2339E+02	md-ft
PERMEABILITY to PHASE.	K	1.2339E+01	md
DAMAGE RATIO . . . . .	.Dr	5.6473E-01	
RADIUS OF INVESTIGATION. . . . .	.Rinv	6.9432E+01	ft
SKIN FACTOR.	S	-2.0037E+00	
AVERAGE PRESSURE . . . . .	.Pbar	1.0330E+03	psig
DIMENSIONLESS TIME . . . . .	.Tda	1.7069E-04	
MATTHEWS-BRONS-HAZEBROEK	PDmbh	2.1449E-03	

COMPANY: H & C & PENDLETON
 FIELD: SOEKEN

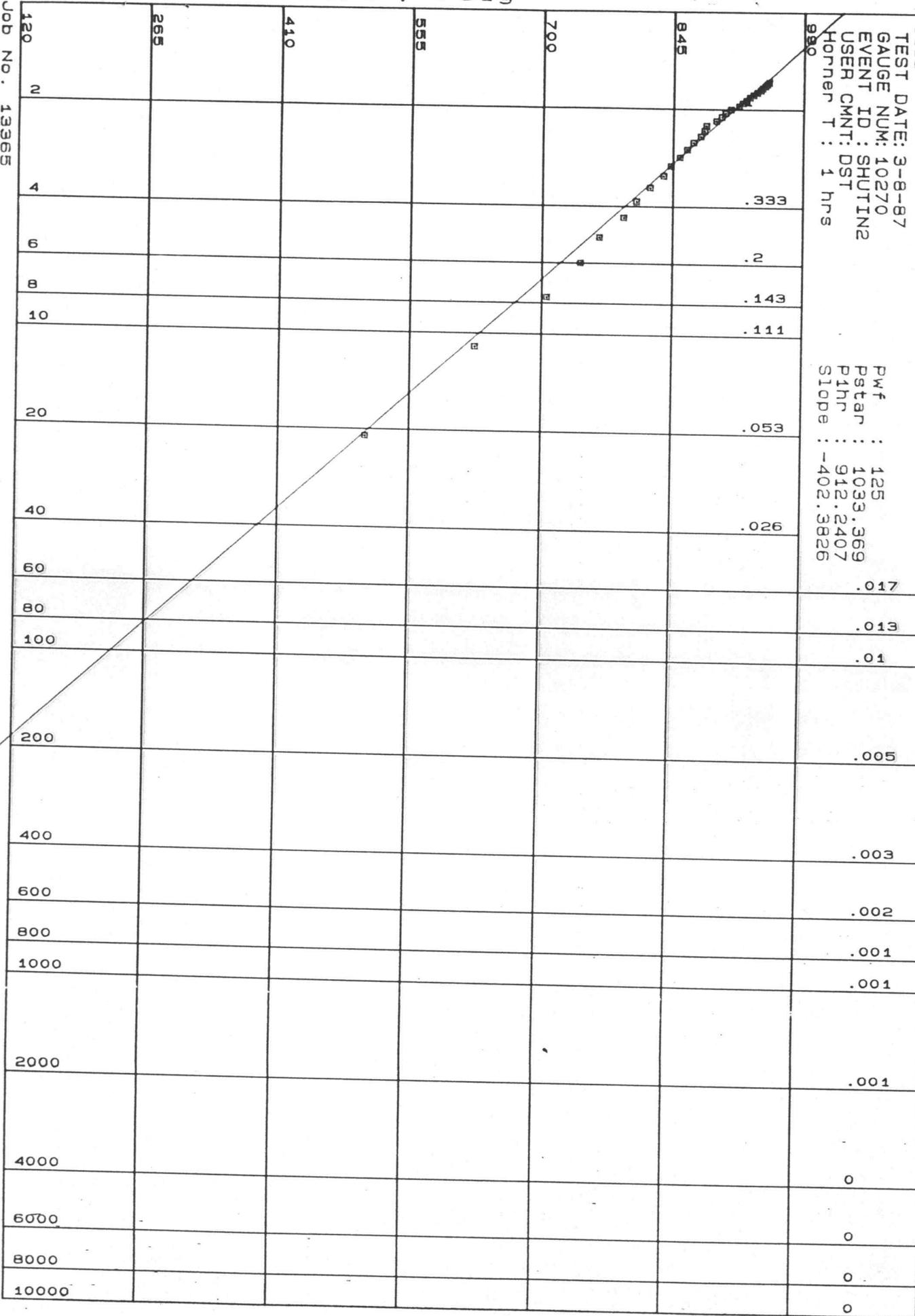
WELL LOCATION: #1 BARTON-KANSAS

PROCESSED: 03-05-1997
 ENGINEER: LARRY KING

1135 TEST DATE: 3-8-87
 GAUGE NUM: 10270
 EVENT ID: SHUTIN2
 USER CMNT: DST
 Horner T: 1 hrs

Pwf : 125
 Pstar : 1033.369
 P1hr : 912.2407
 Slope : -402.3826

Pressure, Psig



Job No. 13365
 WESTERN TESTING CO. INC.

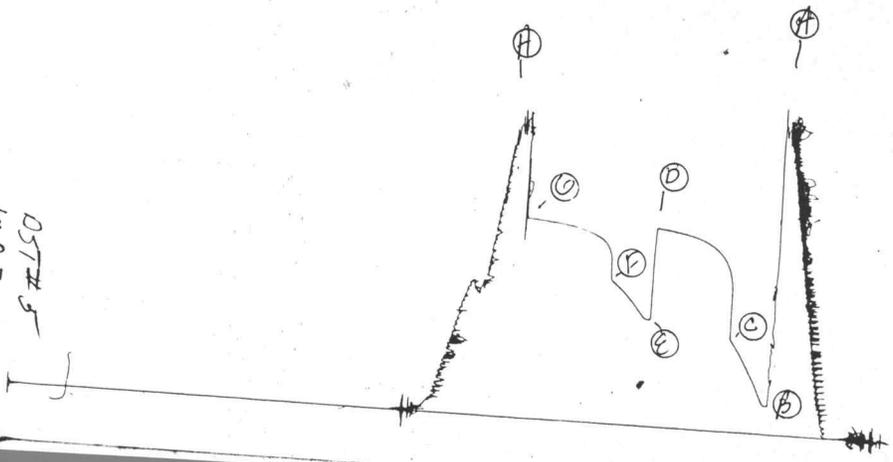
Horner Ratio, (T+dt)/dt

RES-TRAN

Plot # 13366

I

OST # 5
10270

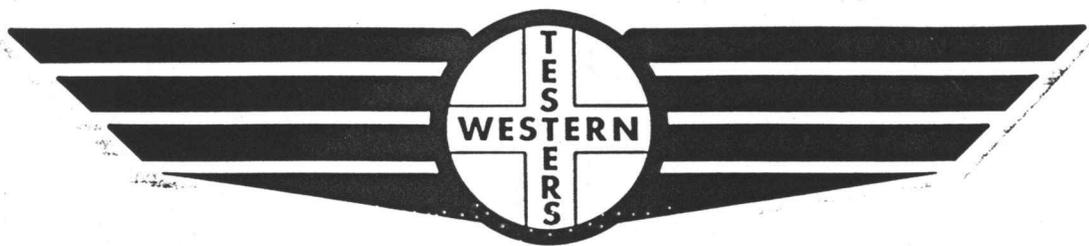


Kit #13366
0

OST#8
13268



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	3-9-87	TICKET	:	13366
CUSTOMER	:	PENDLETON LAND & EXPLOR. & H&C OIL OPER.	LEASE	:	SOEKEN
WELL	:	#1	TEST:	:	5
ELEVATION	:	1796 GL	GEOLOGIST	:	R. SMITH
SECTION	:	21	FORMATION	:	ARBUCKLE
RANGE	:	11W	COUNTY	:	BARTON
GAUGE SN#	:	10270	RANGE	:	4150
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3286	TO	:	3295	TOTAL DEPTH	:	3295
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3281	SIZE	:	6.63			
PACKER DEPTH	:	3286	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN DRILLING	RIG #1		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	53
WEIGHT	:	9.1	WATER LOSS (CC)	:	8.8
CHLORIDES (PPM)	:	7500			
JARS-MAKE	:	-	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3266	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	9	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 IN 1 MINUTE.
 BLOW COMMENT #2 : STRONG BLOW THROUGHOUT THE FINAL FLOW.
 BLOW COMMENT #3 :
 BLOW COMMENT #4 :

OL RECOVERED : 1710 FT OF: WATER /WITH SLIGHT SHOW OF OIL IN TOP OF TO

Total Barrels Fluid = 23.99
Total Fluid Prod Rate = 575.64 BFPD
Indicated Wtr Rate = 575.64 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES: 14000 PPM
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 2:10 AM TIME STARTED OFF BOTTOM : 5:10 AM
WELL TEMPERATURE : 110
INITIAL HYDROSTATIC PRESSURE (A) 1672
INITIAL FLOW PERIOD MIN: 30 (B) 159 PSI TO (C) : 503
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1092
FINAL FLOW PERIOD MIN: 30 (E) 590 PSI TO (F) : 790
FINAL CLOSED IN PERIOD MIN: 66 (G) 1101
FINAL HYDROSTATIC PRESSURE (H) 1647

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PENDLETON LAND & EXPLOR. & H&C OIL OPER.
RIG : BARTON-KANSAS
FIELD : SOEKEN
WELL : #1
DATE : 3-9-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

CHLORIDES: 14000 PPM

COMPANY : PENDLETON LAND & EXPLOR. & H&C OIL OPER.

FIELD : SOEKEN

WELL : #1

JOB # : 13366

GAUGE # : 10270

DEPTH : 3295

DATE : 9/ 3/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	2:10: 0	0.000	159.000	110.00	0.000
2	2:14:59	0.083	189.000	110.00	30.000
3	2:20: 0	0.167	262.000	110.00	73.000
4	2:25: 0	0.250	328.000	110.00	66.000
5	2:29:59	0.333	395.000	110.00	67.000
6	2:35: 0	0.417	454.000	110.00	59.000
7	2:40: 0	0.500	503.000	110.00	49.000
8	2:43: 0	0.550	873.000	110.00	370.000
9	2:46: 0	0.600	926.000	110.00	53.000
10	2:49: 0	0.650	955.000	110.00	29.000
11	2:52: 0	0.700	983.000	110.00	28.000
12	2:55: 0	0.750	1001.000	110.00	18.000
13	2:58: 0	0.800	1016.000	110.00	15.000
14	3: 1: 0	0.850	1029.000	110.00	13.000
15	3: 4: 0	0.900	1038.000	110.00	9.000
16	3: 7: 0	0.950	1046.000	110.00	8.000
17	3:10: 0	1.000	1055.000	110.00	9.000
18	3:13: 0	1.050	1059.000	110.00	4.000
19	3:16: 0	1.100	1066.000	110.00	7.000
20	3:19: 0	1.150	1071.000	110.00	5.000
21	3:22: 0	1.200	1075.000	110.00	4.000
22	3:25: 0	1.250	1078.000	110.00	3.000
23	3:28: 0	1.300	1082.000	110.00	4.000
24	3:31: 0	1.350	1085.000	110.00	3.000
25	3:34: 0	1.400	1087.000	110.00	2.000
26	3:37: 0	1.450	1091.000	110.00	4.000
27	3:40: 0	1.500	1092.000	110.00	1.000
28	3:41: 0	1.517	590.000	110.00	-502.000
29	3:44:59	1.583	603.000	110.00	13.000
30	3:50: 0	1.667	648.000	110.00	45.000
31	3:55: 0	1.750	692.000	110.00	44.000
32	3:59:59	1.833	732.000	110.00	40.000
33	4: 5: 0	1.917	765.000	110.00	33.000
34	4:10: 0	2.000	790.000	110.00	25.000
35	4:13: 0	2.050	966.000	110.00	176.000
36	4:16: 0	2.100	998.000	110.00	32.000
37	4:19: 0	2.150	1015.000	110.00	17.000
38	4:22: 0	2.200	1028.000	110.00	13.000
39	4:25: 0	2.250	1038.000	110.00	10.000
40	4:28: 0	2.300	1046.000	110.00	8.000
41	4:31: 0	2.350	1054.000	110.00	8.000
42	4:34: 0	2.400	1060.000	110.00	6.000
43	4:37: 0	2.450	1066.000	110.00	6.000
44	4:40: 0	2.500	1072.000	110.00	6.000
45	4:43: 0	2.550	1076.000	110.00	4.000
46	4:46: 0	2.600	1079.000	110.00	3.000
47	4:49: 0	2.650	1082.000	110.00	3.000
48	4:52: 0	2.700	1085.000	110.00	3.000
49	4:55: 0	2.750	1087.000	110.00	2.000
50	4:58: 0	2.800	1090.000	110.00	3.000
51	5: 1: 0	2.850	1092.000	110.00	2.000
52	5: 4: 0	2.900	1094.000	110.00	2.000

COMPANY : PENDLETON LAND & EXPLOR. & H&C OIL OPER.

FIELD : SOEKEN

WELL : #1

JOB # : 13366

GAUGE # : 10270

DEPTH : 3295

DATE : 9/ 3/87

TEST :

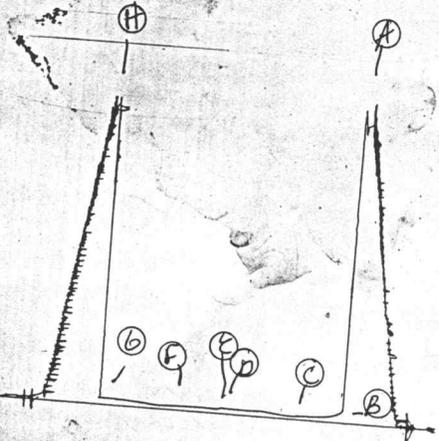
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	5: 7: 0	2.950	1096.000	110.00	2.000
54	5:10: 0	3.000	1098.000	110.00	2.000
55	5:13: 0	3.050	1100.000	110.00	2.000
56	5:16: 0	3.100	1101.000	110.00	1.000

WESTERN TESTING CO. INC.

TK+ # 13367

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0574



TKT # 13367
Below Straddle

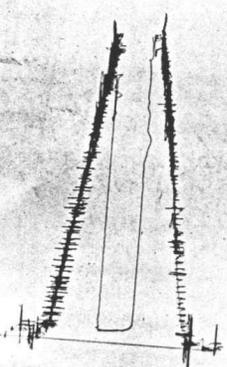
0574
13461



TK+ #13367

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0574



FORMATION TEST REPORT

COMPANY PENDLETON LAND & EXPLORATION & LEASE & WELL NO. #1 SOEKER
H & C OIL OPERATING SEC. 21 TWP. 17S RGE. 11W TEST NO. 6 DATE 3/10/87



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 3-10-87 TICKET : 13367
CUSTOMER : PENDLETON LANS & EXPLOR & H&C OIL OPER.
WELL : #1 TEST: 6 LEASE : SOEKEN
ELEVATION : 1796 GL GEOLOGIST : R. SMITH
SECTION : 21 FORMATION : ARBUCKLE
RANGE : 11W COUNTY : BARTON STATE : KANSAS
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3244 TO : 3272 TOTAL DEPTH : 3500
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3239 SIZE : 6.63
PACKER DEPTH : 3244 SIZE : 6.63
PACKER DEPTH : 3272 SIZE : 6.63
PACKER DEPTH : 3277 SIZE : 6.63

DRILLING CON. : ALLEN DRILLING RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 40
WEIGHT : 9.3 WATER LOSS (CC) : 14
CHLORIDES (PPM) : 10000
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3214 FT I.D. inch : 3.80
TEST TOOL LENGTH : 30 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 28 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 : WEAK BLOW THROUGHOUT THE INITIAL FLOW (1/2" BLOW
TO 1 1/2")
BLOW COMMENT #2 : NO BLOW ON THE FINAL FLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 5 FT OF: MUD

Total Barrels Fluid = 0.07
Total Fluid Prod Rate = 1.68 BFPD
Indicated Wtr Rate = 1.51 BWPD

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

SET PACKER(S) :	1:05 PM	TIME STARTED OFF BOTTOM :	4:05 PM
WELL TEMPERATURE :	107		
INITIAL HYDROSTATIC PRESSURE		(A)	1636
INITIAL FLOW PERIOD MIN:	30	(B)	27 PSI TO (C) : 16
INITIAL CLOSED IN PERIOD MIN:	60	(D)	31
FINAL FLOW PERIOD MIN:	30	(E)	22 PSI TO (F) : 22
FINAL CLOSED IN PERIOD MIN:	57	(G)	35
FINAL HYDROSTATIC PRESSURE		(H)	1636

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PENDLETON LANS & EXPLOR & H&C OIL OPER.
RIG : BARTON-KANSAS
FIELD : SOEKEN
WELL : #1
DATE : 3-10-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : PENDLETON LANS & EXPLOR & H&C OIL OPER.

FIELD : SOEKEN

WELL : #1

JOB # : 13367

GAUGE # : 10270

DEPTH : 3272

DATE : 10/ 3/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	1: 5: 0	0.000	27.000	107.00	0.000
2	1: 9:59	0.083	27.000	107.00	0.000
3	1:15: 0	0.167	27.000	107.00	0.000
4	1:20: 0	0.250	24.000	107.00	-3.000
5	1:24:59	0.333	22.000	107.00	-2.000
6	1:30: 0	0.417	20.000	107.00	-2.000
7	1:35: 0	0.500	16.000	107.00	-4.000
8	1:38: 0	0.550	16.000	107.00	0.000
9	1:41: 0	0.600	16.000	107.00	0.000
10	1:44: 0	0.650	16.000	107.00	0.000
11	1:47: 0	0.700	17.000	107.00	1.000
12	1:50: 0	0.750	18.000	107.00	1.000
13	1:53: 0	0.800	20.000	107.00	2.000
14	1:56: 0	0.850	22.000	107.00	2.000
15	1:59: 0	0.900	24.000	107.00	2.000
16	2: 2: 0	0.950	26.000	107.00	2.000
17	2: 5: 0	1.000	28.000	107.00	2.000
18	2: 8: 0	1.050	29.000	107.00	1.000
19	2:11: 0	1.100	30.000	107.00	1.000
20	2:14: 0	1.150	31.000	107.00	1.000
21	2:17: 0	1.200	31.000	107.00	0.000
22	2:20: 0	1.250	31.000	107.00	0.000
23	2:23: 0	1.300	31.000	107.00	0.000
24	2:26: 0	1.350	31.000	107.00	0.000
25	2:29: 0	1.400	31.000	107.00	0.000
26	2:32: 0	1.450	31.000	107.00	0.000
27	2:35: 0	1.500	31.000	107.00	0.000
28	2:36: 0	1.517	22.000	107.00	-9.000
29	2:39:59	1.583	22.000	107.00	0.000
30	2:45: 0	1.667	22.000	107.00	0.000
31	2:50: 0	1.750	22.000	107.00	0.000
32	2:54:59	1.833	22.000	107.00	0.000
33	3: 0: 0	1.917	22.000	107.00	0.000
34	3: 5: 0	2.000	22.000	107.00	0.000
35	3: 8: 0	2.050	22.000	107.00	0.000
36	3:11: 0	2.100	22.000	107.00	0.000
37	3:14: 0	2.150	22.000	107.00	0.000
38	3:17: 0	2.200	22.000	107.00	0.000
39	3:20: 0	2.250	22.000	107.00	0.000
40	3:23: 0	2.300	24.000	107.00	2.000
41	3:26: 0	2.350	26.000	107.00	2.000
42	3:29: 0	2.400	27.000	107.00	1.000
43	3:32: 0	2.450	28.000	107.00	1.000
44	3:35: 0	2.500	30.000	107.00	2.000
45	3:38: 0	2.550	31.000	107.00	1.000
46	3:41: 0	2.600	32.000	107.00	1.000
47	3:44: 0	2.650	33.000	107.00	1.000
48	3:47: 0	2.700	34.000	107.00	1.000
49	3:50: 0	2.750	35.000	107.00	1.000
50	3:53: 0	2.800	35.000	107.00	0.000
51	3:56: 0	2.850	35.000	107.00	0.000
52	3:59: 0	2.900	35.000	107.00	0.000

COMPANY : PENDLETON LANS & EXPLOR & H&C OIL OPER.

WELL : #1
GAUGE # : 10270
DATE : 10/ 3/87

FIELD : SOEKEN
JOB # : 13367
DEPTH : 3272
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: 2: 0	2.950	35.000	107.00	0.000

WESTERN TESTING CO. INC.