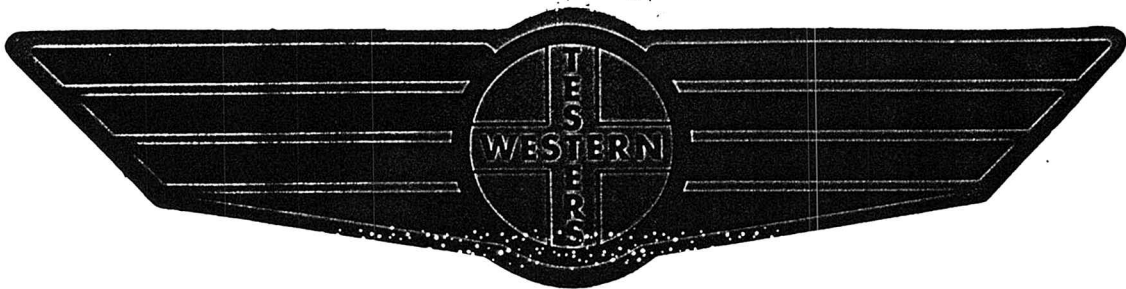


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY THEO I LEBEN OIL OPERATION
LEASE & WELL NO. #2 WEHRING
SEC. 2 TWP. 7S RGE. 18E
TEST NO. 1
DATE 12/21/86

WESTERN TESTERS INC
SUBSURFACE PRESSURE SURVEY

DATE : 12/21/86 TICKET : 12231
CUSTOMER : THEO I LEBEN OIL OPERATION LEASE : WEHKING
WELL : 2 TEST: 1 GEOLOGIST : ZORGER
ELEVATION : FORMATION :
SECTION : 2 TOWNSHIP : 7S
RANGE : 18E COUNTY : ATCHISON STATE : KANSAS
GAUGE SN# : 3086 RANGE : 4500 CLOCK : 12

INTERVAL FROM : 1737 TO : 1750 TOTAL DEPTH : 1750
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 1732 SIZE : 6.63
PACKER DEPTH : 1737 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : EDCO RIG 2
MUD TYPE : CHEMICAL VISCOSITY :
WEIGHT : WATER LOSS (CC) :
CHLORIDES (PPM) :
JARS-MAKE : SERIAL NUMBER :
DID WELL FLOW ? : YES REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 270 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 1446 FT I.D. inch : 0.00
TEST TOOL LENGTH : 21 FT TOOL SIZE : 3.50
ANCHOR LENGTH : 13 FT ANCHOR SIZE : 3.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 6.75 IN TOOL JOINT SIZE : 3.5IF

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT TEST.
BLOW COMMENT #2 : GAS TO SURFACE IN 5 MINUTES.
BLOW COMMENT #3 : SEE ATTACHED GAS SHEET.
BLOW COMMENT #4 :

RECOVERED : 260 FT OF: GAS CUT MUD
RECOVERED : 120 FT OF: MUDDY WATER

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

REMARK 1 : CHLORIDES 35000 PPM
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	10:45 AM	TIME STARTED OFF BOTTOM :	2:00 PM
WELL TEMPERATURE :	94		
INITIAL HYDROSTATIC PRESSURE		(A)	896
INITIAL FLOW PERIOD MIN:	30	(B)	206 PSI TO (C) : 154
INITIAL CLOSED IN PERIOD MIN:	45	(D)	576
FINAL FLOW PERIOD MIN:	60	(E)	180 PSI TO (F) : 180
FINAL CLOSED IN PERIOD MIN:	60	(G)	570
FINAL HYDROSTATIC PRESSURE		(H)	860

GAS FLOW REPORT

Date : 12-21-86	Ticket # : 12231
Customer : LEBEN OIL OPERATIONS	Lease : WEHKING
Well : #2 Test : 1	Geologist : G. ZORGER
Elevation (KB) :	Formation :
Section : 2	Township : 7S
Range : 18E	County : ATCHISON
Gauge SN # : 3086	State : KS
	Range : 4500
	Clock : 12

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

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10 MIN.	MERLA	1"	22 H2O	121000 CFPD
20 MIN.	MERLA	1"	20 H2O	115000 CFPD
30 MIN.	MERLA	1"	17 H2O	106000 CFPD

SECOND FLOW

=====

5 MIN.	MERLA	1"	24 H2O	126000 CFPD
10 MIN.	MERLA	1"	22 H2O	121000 CFPD
20 MIN.	MERLA	1"	20 H2O	115000 CFPD
30	MERLA	1"	18 H2O	110000 CFPD
40 MIN.	MERLA	1"	17 H2O	106000 CFPD
50 MIN.	MERLA	1"	17 H2O	106000 CFPD
60 MIN.	MERLA	1"	17 H2O	106000 CFPD

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

WESTERN TESTERS INC
WITICHA - KANSAS

Pressure Transient Report

COMPANY : THEO I LEBEN OIL OPERATION
RIG : ATCHISON-KANSAS
FIELD : WEH KING
WELL : 2
DATE : 12/21/86
GAUGE NO : 3086

OPERATIONAL COMMENTS

CHLORIDES 35000 PPM

COMPANY : THEO I LEBEN OIL OPERATION
WELL : 2
GAUGE # : 3086
DATE : 21/12/86

FIELD : WEH KING
JOB # : 12231
DEPTH : 1750
TEST : CHLORIDES 35000 PPM

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	10:45: 0	0.000	206.000	94.00	0.000
2	10:49:59	0.083	185.000	94.00	-21.000
3	10:55: 0	0.167	161.000	94.00	-24.000
4	11: 0: 0	0.250	156.000	94.00	-5.000
5	11: 4:59	0.333	154.000	94.00	-2.000
6	11:10: 0	0.417	154.000	94.00	0.000
7	11:15: 0	0.500	154.000	94.00	0.000
8	11:18: 0	0.550	497.000	94.00	343.000
9	11:21: 0	0.600	527.000	94.00	30.000
10	11:24: 0	0.650	541.000	94.00	14.000
11	11:27: 0	0.700	550.000	94.00	9.000
12	11:30: 0	0.750	556.000	94.00	6.000
13	11:33: 0	0.800	560.000	94.00	4.000
14	11:36: 0	0.850	564.000	94.00	4.000
15	11:39: 0	0.900	567.000	94.00	3.000
16	11:42: 0	0.950	570.000	94.00	3.000
17	11:45: 0	1.000	571.000	94.00	1.000
18	11:48: 0	1.050	572.000	94.00	1.000
19	11:51: 0	1.100	573.000	94.00	1.000
20	11:54: 0	1.150	574.000	94.00	1.000
21	11:57: 0	1.200	575.000	94.00	1.000
22	12: 0: 0	1.250	576.000	94.00	1.000
23	12: 1: 0	1.267	180.000	94.00	-396.000
24	12: 4:59	1.333	180.000	94.00	0.000
25	12:10: 0	1.417	180.000	94.00	0.000
26	12:15: 0	1.500	180.000	94.00	0.000
27	12:19:59	1.583	180.000	94.00	0.000
28	12:25: 0	1.667	180.000	94.00	0.000
29	12:30: 0	1.750	180.000	94.00	0.000
30	12:34:59	1.833	180.000	94.00	0.000
31	12:40: 0	1.917	180.000	94.00	0.000
32	12:45: 0	2.000	180.000	94.00	0.000
33	12:49:59	2.083	180.000	94.00	0.000
34	12:55: 0	2.167	180.000	94.00	0.000
35	13: 0: 0	2.250	180.000	94.00	0.000
36	13: 3: 0	2.300	471.000	94.00	291.000
37	13: 6: 0	2.350	502.000	94.00	31.000
38	13: 9: 0	2.400	525.000	94.00	23.000
39	13:12: 0	2.450	530.000	94.00	5.000
40	13:15: 0	2.500	536.000	94.00	6.000
41	13:18: 0	2.550	539.000	94.00	3.000
42	13:21: 0	2.600	544.000	94.00	5.000
43	13:24: 0	2.650	548.000	94.00	4.000
44	13:27: 0	2.700	551.000	94.00	3.000
45	13:30: 0	2.750	553.000	94.00	2.000
46	13:33: 0	2.800	555.000	94.00	2.000
47	13:36: 0	2.850	557.000	94.00	2.000
48	13:39: 0	2.900	559.000	94.00	2.000
49	13:42: 0	2.950	561.000	94.00	2.000
50	13:45: 0	3.000	563.000	94.00	2.000
51	13:48: 0	3.050	565.000	94.00	2.000
52	13:51: 0	3.100	567.000	94.00	2.000

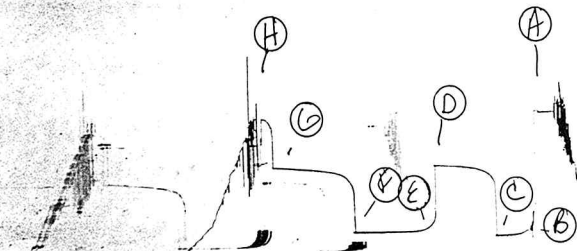
COMPANY : THEO I LEBEN OIL OPERATION
WELL : 2
GAUGE # : 3086
DATE : 21/12/86

FIELD : WEHKING
JOB # : 12231
DEPTH : 1750'
TEST : CHLORIDES 35000 PPM

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
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53	13:54: 0	3.150	568.000	94.00	1.000
54	13:57: 0	3.200	569.000	94.00	1.000
55	14: 0: 0	3.250	570.000	94.00	1.000

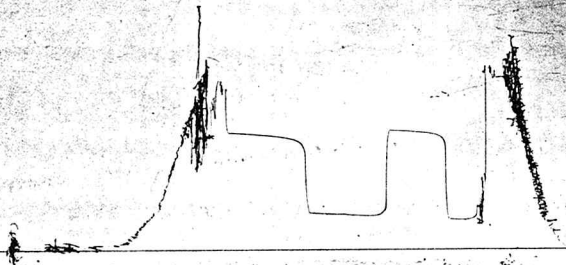
WESTERN TESTERS INC

Wt # 12231
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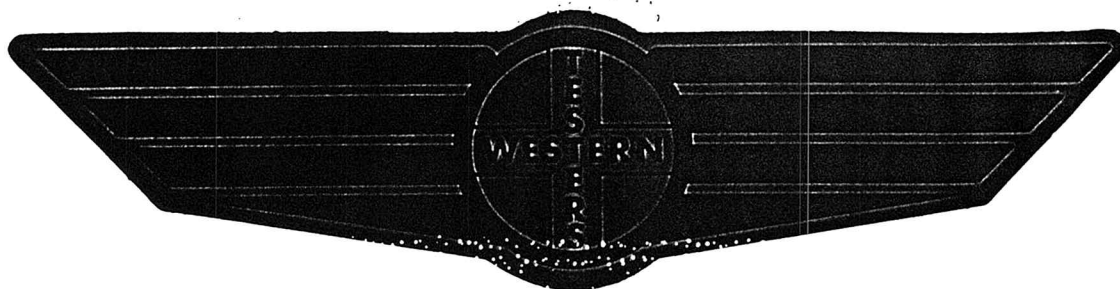


JK # 12231

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY THEO I LEBEN OIL OPERATION LEASE & WELL NO. #2 WEH KING SEC. 2 TWP. 7S RGE. 18E TEST NO. 2 DATE 12/22/86

WESTERN TESTERS INC
SUBSURFACE PRESSURE SURVEY

DATE : 12-22-86 TICKET : 12232
CUSTOMER : THEO I. LEBEN OIL OPERATIONS LEASE : WEHKING
WELL : #2 TEST: 2 GEOLOGIST : G. ZORGER
ELEVATION : FORMATION :
SECTION : 2 TOWNSHIP : 7S
RANGE : 18E COUNTY : ATCHINSON STATE : KS
GAUGE SN# : 3086 RANGE : 4500 CLOCK : 12

INTERVAL FROM : 1777 TO : 1792 TOTAL DEPTH : 1792
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 1772 SIZE : 5.5
PACKER DEPTH : 1777 SIZE : 5.5
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : EDCO DRLG
MUD TYPE : CHEMICAL VISCOSITY :
WEIGHT : WATER LOSS (CC) :
CHLORIDES (PPM) :
JARS-MAKE : SERIAL NUMBER :
DID WELL FLOW ? : YES REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 270 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 1486 FT I.D. inch : 0.00
TEST TOOL LENGTH : 21 FT TOOL SIZE : 3.50
ANCHOR LENGTH : 15 FT ANCHOR SIZE : 3.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 6.75 IN TOOL JOINT SIZE : 3.5 IF

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT TEST.
BLOW COMMENT #2 : GAS TO SURFACE IN 1 MIN. ON PREFLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 10 FT OF: GAS CUT MUD

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

REMARK 1 :
REMARK 2 : SEE ATTACHED SHEET FOR GAS MEASUREMENTS.
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	11:25 PM	TIME STARTED OFF BOTTOM :	3:05AM
WELL TEMPERATURE :	95		
INITIAL HYDROSTATIC PRESSURE		(A)	920
INITIAL FLOW PERIOD MIN:	30	(B)	574 PSI TO (C) : 574
INITIAL CLOSED IN PERIOD MIN:	45	(D)	609
FINAL FLOW PERIOD MIN:	35	(E)	609 PSI TO (F) : 589
FINAL CLOSED IN PERIOD MIN:	105	(G)	609
FINAL HYDROSTATIC PRESSURE		(H)	914

GAS FLOW REPORT

Date : 12-22-86	Ticket # : 12232
Customer : THEO I. LEBEN OIL OPERATION	Lease : WEHKING
Well : #2 Test : 2	Geologist : G. ZORGER
Elevation (KB) : Formation :	
Section : 2 Township : 7S	
Range : 18E County : ATCHINSON	State : KS
Gauge SN # : 3086 Range : 4500	Clock : 12

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

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5 MIN.	MERLA	2"	20 PSIG	3310000 CFPD
10 MIN.	PITOT	2"	21 PSIG	3400000 CFPD
20 MIN.	PITOT	2"	23 PSIG	3590000 CFPD
30 MIN.	PITOT	2"	23 PSIG	3590000 CFPD

SECOND FLOW

=====

5 MIN.	PITOT	2"	29 PSIG	4160000 CFPD
10 MIN.	PITOT	2"	29 PSIG	4160000 CFPD
20 MIN.	PITOT	2"	29 PSIG	4160000 CFPD
30 MIN.	PITOT	2"	29 PSIG	4160000 CFPD

Gas Bottle SN #	:	
Date Bottle Filled	:	12-22-86
Date to be Invoiced	:	12-22-86

WESTERN TESTERS INC
WITICHA - KANSAS

Pressure Transient Report

COMPANY : THEO I. LEBEN OIL OPERATIONS
RIG : ATCHINSON-KS
FIELD : WEHKING
WELL : #2
DATE : 12-22-86
GAUGE NO : 3086

OPERATIONAL COMMENTS

SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

COMPANY : THEO I. LEBEN OIL OPERATIONS
WELL : #2
GAUGE # : 3086
DATE : 22/12/86

FIELD : WEH KING
JOB # : 12232
DEPTH : 1792
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P _i -P _(i-1)
1	11:25: 0	0.000	574.000	95.00	0.000
2	11:29:59	0.083	574.000	95.00	0.000
3	11:35: 0	0.167	574.000	95.00	0.000
4	11:40: 0	0.250	574.000	95.00	0.000
5	11:44:59	0.333	574.000	95.00	0.000
6	11:50: 0	0.417	574.000	95.00	0.000
7	11:55: 0	0.500	574.000	95.00	0.000
8	11:58: 0	0.550	581.000	95.00	7.000
9	12: 1: 0	0.600	588.000	95.00	7.000
10	12: 4: 0	0.650	592.000	95.00	4.000
11	12: 7: 0	0.700	596.000	95.00	4.000
12	12:10: 0	0.750	599.000	95.00	3.000
13	12:13: 0	0.800	602.000	95.00	3.000
14	12:16: 0	0.850	604.000	95.00	2.000
15	12:19: 0	0.900	605.000	95.00	1.000
16	12:22: 0	0.950	606.000	95.00	1.000
17	12:25: 0	1.000	607.000	95.00	1.000
18	12:28: 0	1.050	608.000	95.00	1.000
19	12:31: 0	1.100	609.000	95.00	1.000
20	12:34: 0	1.150	609.000	95.00	0.000
21	12:37: 0	1.200	609.000	95.00	0.000
22	12:40: 0	1.250	609.000	95.00	0.000
23	12:41: 0	1.267	609.000	95.00	0.000
24	12:44:59	1.333	607.000	95.00	-2.000
25	12:50: 0	1.417	604.000	95.00	-3.000
26	12:55: 0	1.500	600.000	95.00	-4.000
27	12:59:59	1.583	597.000	95.00	-3.000
28	13: 5: 0	1.667	594.000	95.00	-3.000
29	13:10: 0	1.750	591.000	95.00	-3.000
30	13:14:59	1.833	589.000	95.00	-2.000
31	13:17:59	1.883	600.000	95.00	11.000
32	13:20:59	1.933	607.000	95.00	7.000
33	13:23:59	1.983	608.000	95.00	1.000
34	13:26:59	2.033	609.000	95.00	1.000
35	13:29:59	2.083	609.000	95.00	0.000
36	13:32:59	2.133	609.000	95.00	0.000
37	13:35:59	2.183	609.000	95.00	0.000
38	13:38:59	2.233	609.000	95.00	0.000
39	13:41:59	2.283	609.000	95.00	0.000
40	13:44:59	2.333	609.000	95.00	0.000
41	13:47:59	2.383	609.000	95.00	0.000
42	13:50:59	2.433	609.000	95.00	0.000
43	13:53:59	2.483	609.000	95.00	0.000
44	13:56:59	2.533	609.000	95.00	0.000
45	13:59:59	2.583	609.000	95.00	0.000
46	14: 2:59	2.633	609.000	95.00	0.000
47	14: 5:59	2.683	609.000	95.00	0.000
48	14: 8:59	2.733	609.000	95.00	0.000
49	14:11:59	2.783	609.000	95.00	0.000
50	14:14:59	2.833	609.000	95.00	0.000
51	14:17:59	2.883	609.000	95.00	0.000
52	14:20:59	2.933	609.000	95.00	0.000

COMPANY : THEO I. LEBEN OIL OPERATIONS

FIELD : WEH KING

WELL : #2

JOB # : 12232

GAUGE # : 3086

DEPTH : 1792

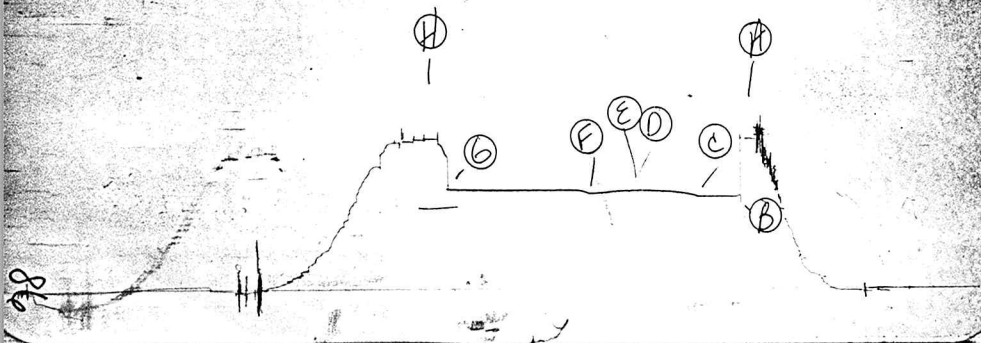
DATE : 22/12/86

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	14:23:59	2.983	609.000	95.00	0.000
54	14:26:59	3.033	609.000	95.00	0.000
55	14:29:59	3.083	609.000	95.00	0.000
56	14:32:59	3.133	609.000	95.00	0.000
57	14:35:59	3.183	609.000	95.00	0.000
58	14:38:59	3.233	609.000	95.00	0.000
59	14:41:59	3.283	609.000	95.00	0.000
60	14:44:59	3.333	609.000	95.00	0.000
61	14:47:59	3.383	609.000	95.00	0.000
62	14:50:59	3.433	609.000	95.00	0.000
63	14:53:59	3.483	609.000	95.00	0.000
64	14:56:59	3.533	609.000	95.00	0.000
65	14:59:59	3.583	609.000	95.00	0.000

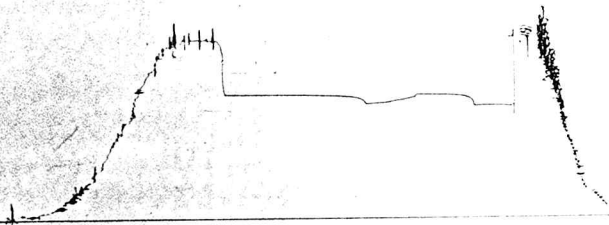
WESTERN TESTERS INC

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