

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY SOURCE PETROLEUM

LEASE & WELL NO. LITTLE A-1

SEC. 3 TWP. 30S RGE. 3W

TEST NO. 1 DATE 5/17/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 5-17-88	TICKET	: 13961
CUSTOMER	: SOURCE PETROLEUM	LEASE	: LITTLE
WELL	: A-1 TEST: 1	GEOLOGIST	: RANDALL M L??
ELEVATION	: 1359 RB	FORMATION	: STALNECKER
SECTION	: 3	TOWNSHIP	: 30S
RANGE	: 3W	STATE	: KANSAS
GAUGE SN#	: 13362	CLOCK	: 12
	COUNTY : SUMNER		
	RANGE : 4450		

INTERVAL FROM	: 2850	TO	: 2878	TOTAL DEPTH	: 2878
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 2845	SIZE	: 6.63		
PACKER DEPTH	: 2850	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: ALLEN DRILLING		
MUD TYPE	: CHEMICAL	VISCOSITY	: 45
WEIGHT	: 9.1	WATER LOSS (CC)	: 11.2
CHLORIDES (PPM)	: 5700		
JARS-MAKE	: NO	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 120	FT	I.D. inch	: 2.25
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 2710	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	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 : STRONG BLOW ON INITIAL FLOW.
BLOW COMMENT #2 : STRONG BLOW ON FINAL FLOW.
BLOW COMMENT #3 : NO GAS TO SURFACE.
BLOW COMMENT #4 :

RECOVERED : 10 FT OF: MUD (SLIGHT SHOW OF OIL)

Total Barrels Fluid = 0.14
Total Fluid Prod Rate = 4.49 BFPD
Indicated Wtr Rate = 0.45 BWPD

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

SET PACKER(S) : 11:05 AM
WELL TEMPERATURE : 110

TIME STARTED OFF BOTTOM : 1:35 PM

INITIAL HYDROSTATIC PRESSURE

(A) 1581

INITIAL FLOW PERIOD MIN: 30

(B) 102 PSI TO (C) : 46

INITIAL CLOSED IN PERIOD MIN: 51

(D) 70

FINAL FLOW PERIOD MIN: 15

(E) 47 PSI TO (F) : 109

FINAL CLOSED IN PERIOD MIN: 48

(G) 81

FINAL HYDROSTATIC PRESSURE

(H) 1577

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM
RIG : SUMNER-KANSAS
FIELD : LITTLE
WELL : A-1
DATE : 5-18-88
GAUGE NO : 13520

OPERATIONAL COMMENTS

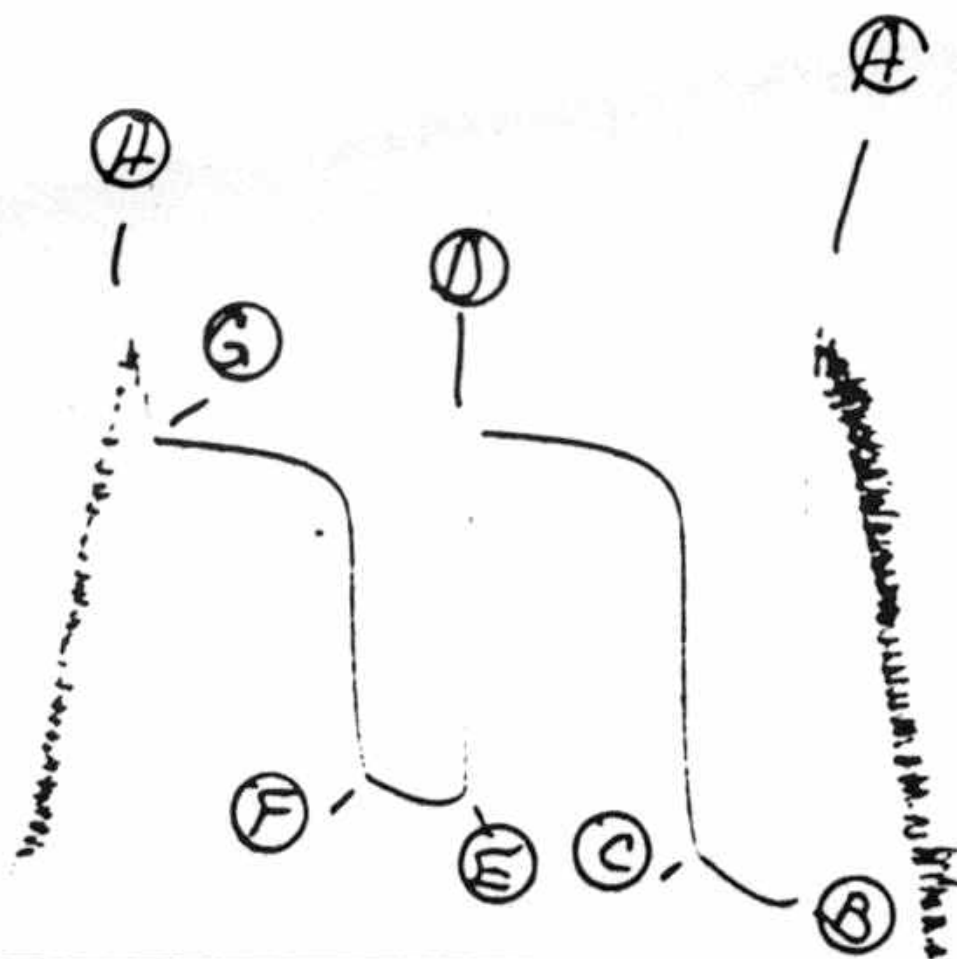
TIGHT HOLE !!

3362 DST#1



KT 13961

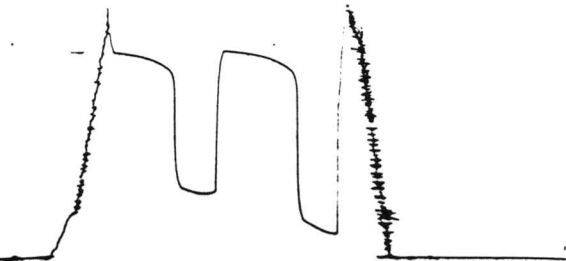
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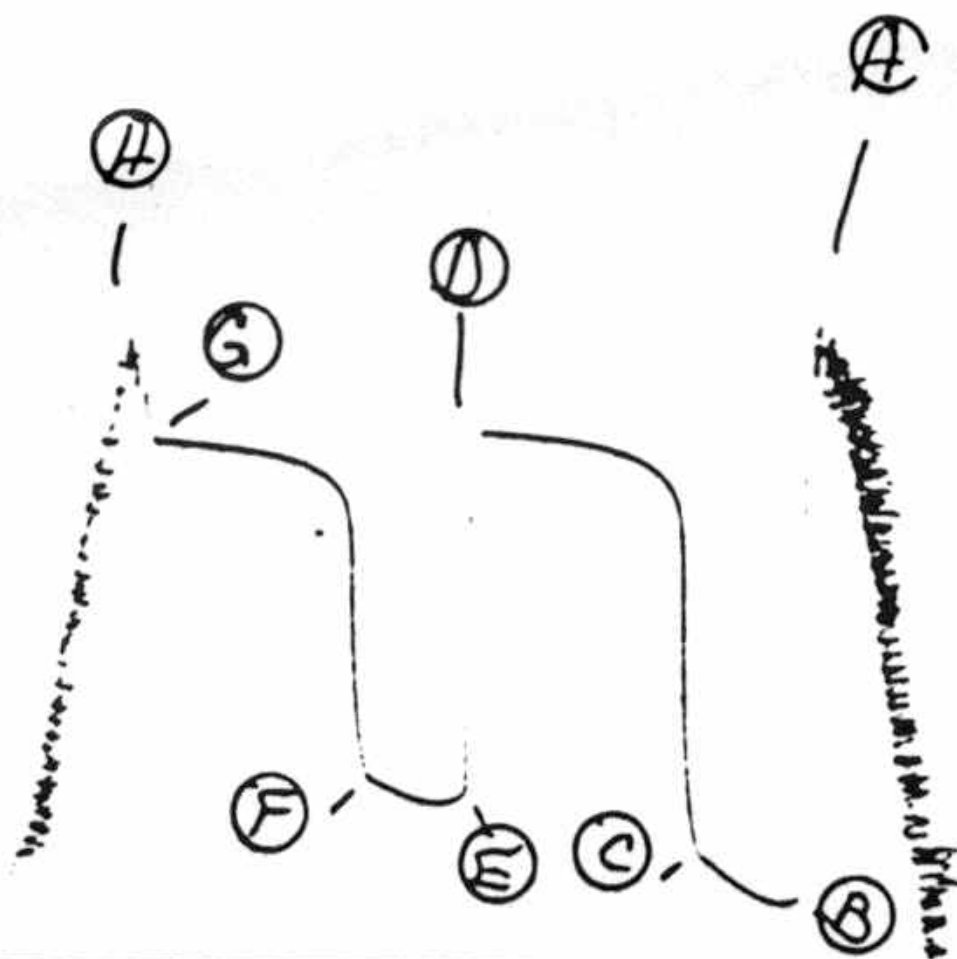


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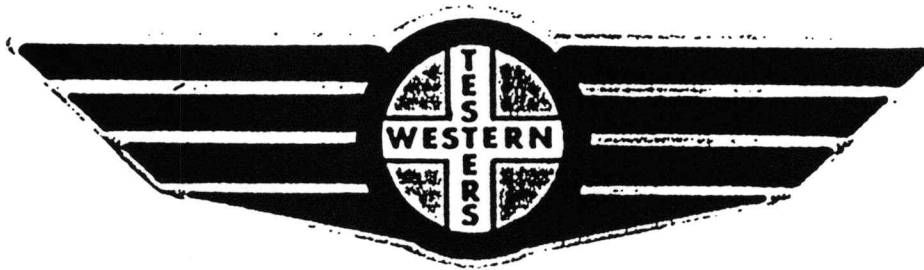


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COMPANY SOURCE PETROLEUM

LEASE & WELL NO. LITTLE A-1

SEC. 3 TWP. 30S RGE. 3W TEST NO. 2 DATE 5/18/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 5-18-88	TICKET	: 13962
CUSTOMER	: SOURCE PETROLEUM	LEASE	: LITTLE
WELL	: A-1 TEST: 2	GEOLOGIST	: RANDALL M L??
ELEVATION	: 1359 RB	FORMATION	: TOP KANSAS CITY
SECTION	: 3	TOWNSHIP	: 30S
RANGE	: 3W	COUNTY	: SUMNER
GAUGE SN#	: 13520	STATE	: KANSAS
		RANGE	: 4200
		CLOCK	: 12

INTERVAL FROM	: 3172	TO	: 3190	TOTAL DEPTH	: 3190
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3167	SIZE	: 6.63		
PACKER DEPTH	: 3172	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: ALLEN DRILLING		
MUD TYPE	: CHEMICAL	VISCOSITY	: 41
WEIGHT	: 9.1	WATER LOSS (CC)	: 12.0
CHLORIDES (PPM)	: 12000		
JARS-MAKE	: NO	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	: 3152 FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20 FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 18 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 FOR 20 MINUTES & DIED.
BLOW COMMENT #2 : FINAL FLOW-VERY WEAK BLOW FOR 10 MINUTES-FLUSHED TOOL
BLOW COMMENT #3 : 5 MINUTES DIED.
BLOW COMMENT #4 :

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 13362
DATE : 17/ 5/88

FIELD : LITTLE
JOB # : 13961
DEPTH : 2878
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	10: 0: 0	0.000	135.000	110.00	0.000
2	10: 4: 59	0.083	135.000	110.00	0.000
3	10:10: 0	0.167	143.000	110.00	8.000
4	10:15: 0	0.250	163.000	110.00	20.000
5	10:19:59	0.333	190.000	110.00	27.000
6	10:25: 0	0.417	219.000	110.00	29.000
7	10:30: 0	0.500	233.000	110.00	14.000
8	10:33: 0	0.550	342.000	110.00	109.000
9	10:36: 0	0.600	853.000	110.00	511.000
10	10:39: 0	0.650	1001.000	110.00	148.000
11	10:42: 0	0.700	1034.000	110.00	33.000
12	10:45: 0	0.750	1053.000	110.00	19.000
13	10:48: 0	0.800	1069.000	110.00	16.000
14	10:51: 0	0.850	1081.000	110.00	12.000
15	10:54: 0	0.900	1089.000	110.00	8.000
16	10:57: 0	0.950	1095.000	110.00	6.000
17	11: 0: 0	1.000	1101.000	110.00	6.000
18	11: 2: 59	1.050	1106.000	110.00	5.000
19	11: 6: 0	1.100	1110.000	110.00	4.000
20	11: 9: 0	1.150	1113.000	110.00	3.000
21	11:12: 0	1.200	1116.000	110.00	3.000
22	11:15: 0	1.250	1118.000	110.00	2.000
23	11:18: 0	1.300	1121.000	110.00	3.000
24	11:21: 0	1.350	1123.000	110.00	2.000
25	11:24: 0	1.400	1125.000	110.00	2.000
26	11:27: 0	1.450	1128.000	110.00	3.000
27	11:30: 0	1.500	1128.000	110.00	0.000
28	11:31: 0	1.517	344.000	110.00	-784.000
29	11:34:59	1.583	344.000	110.00	0.000
30	11:40: 0	1.667	344.000	110.00	0.000
31	11:45: 0	1.750	354.000	110.00	10.000
32	11:49:59	1.833	370.000	110.00	16.000
33	11:55: 0	1.917	388.000	110.00	18.000
34	12: 0: 0	2.000	392.000	110.00	4.000
35	12: 3: 0	2.050	475.000	110.00	83.000
36	12: 5: 59	2.100	873.000	110.00	398.000
37	12: 9: 0	2.150	996.000	110.00	123.000
38	12:12: 0	2.200	1024.000	110.00	28.000
39	12:15: 0	2.250	1041.000	110.00	17.000
40	12:18: 0	2.300	1052.000	110.00	11.000
41	12:21: 0	2.350	1063.000	110.00	11.000
42	12:24: 0	2.400	1071.000	110.00	8.000
43	12:27: 0	2.450	1076.000	110.00	5.000
44	12:30: 0	2.500	1081.000	110.00	5.000
45	12:33: 0	2.550	1085.000	110.00	4.000
46	12:36: 0	2.600	1089.000	110.00	4.000
47	12:39: 0	2.650	1092.000	110.00	3.000
48	12:42: 0	2.700	1095.000	110.00	3.000
49	12:45: 0	2.750	1097.000	110.00	2.000
50	12:48: 0	2.800	1100.000	110.00	3.000
51	12:51: 0	2.850	1102.000	110.00	2.000
52	12:54: 0	2.900	1104.000	110.00	2.000

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 13362
DATE : 17/ 5/88

FIELD : LITTLE
JOB # : 13961
DEPTH : 2878
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)
53	12:57: 0	2.950	1105.000	110.00	1.000
54	13: 0: 0	3.000	1106.000	110.00	1.000

WESTERN TESTING CO. INC.

13362 D84 #2

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13520 DST#2 HA 13962

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FORMATION TEST REPORT



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COMPANY SOURCE PETROLEUM LEASE & WELL NO. LITTLE A-1 SEC. 3 TWP. 30S RGE. 3W TEST NO. 3 DATE 5/18/88

WESTERN TESTING CO. INC.
SURFACE PRESSURE SURVEY

DATE	: 5-18-88	TICKET	: 13963
CUSTOMER	: SOURCE PETROLEUM	LEASE	: LITTLE
WELL	: A-1 TEST: 3	GEOLOGIST	: RANDALL M ??
ELEVATION	: 1359 RB	FORMATION	: DRUM
SECTION	: 3	TOWNSHIP	: 30S
RANGE	: 3W	COUNTY	: SUMNER
GAUGE SN#	: 13520	STATE	: KANSAS
		CLOCK	: 12
		RANGE	: 4200

INTERVAL FROM	: 3190	TO	: 3204	TOTAL DEPTH	: 3204
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3185	SIZE	: 6.63		
PACKER DEPTH	: 3190	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: ALLEN DRILLING		
MUD TYPE	: CHEMICAL	VISCOSITY	: 48
WEIGHT	: 9.3	WATER LOSS (CC)	: 12.0
CHLORIDES (PPM)	: 12000		
JARS-MAKE	: NO	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	: 3170 FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20 FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 14 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.
BLOW COMMENT #2 : FINAL FLOW-VERY WEAK BLOW FOR 10 MINUTES-DIED-FLUSHED
TOOL-5 MINUTES-DIED.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 15 FT OF: DRILLING MUD

Total Barrels Fluid = 0.21
Total Fluid Prod Rate = 6.06 BFPD
Indicated Wtr Rate = 0.61 BWPD

REMARK 1 : TIGHT HOLE !!

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 9:00 PM

TIME STARTED OFF BOTTOM : 10:50 PM

WELL TEMPERATURE : 112

INITIAL HYDROSTATIC PRESSURE

(A) 1619

INITIAL FLOW PERIOD MIN: 30

(B) 15 PSI TO (C) : 15

INITIAL CLOSED IN PERIOD MIN: 36

(D) 1038

FINAL FLOW PERIOD MIN: 20

(E) 43 PSI TO (F) : 49

FINAL CLOSED IN PERIOD MIN: 30

(G) 1002

FINAL HYDROSTATIC PRESSURE

(H) 1580

WESTERN TESTING CO. INC.
WICHITA-KANGAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM
RIG : SUMNER-KANSAS
FIELD : LITTLE
WELL : A-1
DATE : 5-18-88
GAUGE NO : 13520

OPERATIONAL COMMENTS

TIGHT HOLE !!

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM
RIG : SUMNER-KANSAS
FIELD : LITTLE
WELL : A-1
DATE : 5-17-88
GAUGE NO : 13362

OPERATIONAL COMMENTS

TIGHT HOLE !!

RECOVERED : 50 FT OF: HEAVY OIL & GAS CUT MUD
15% MUD-50% OIL-35% GAS

Total Barrels Fluid = 0.70
Total Fluid Prod Rate = 13.47 BFPD
Indicated Oil Rate = 6.73 BOPD
Indicated Wtr Rate = 0.20 BWPD

REMARK 1 : TIGHT HOLE !!

REMARK 2 : RECOVERED 816 FEET OF GAS ABOVE FLUID.

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 6:00 AM

TIME STARTED OFF BOTTOM : 9:15 AM

WELL TEMPERATURE : 112

INITIAL HYDROSTATIC PRESSURE

(A) 1643

INITIAL FLOW PERIOD MIN: 30

(B) 101 PSI TO (C) : 40

INITIAL CLOSED IN PERIOD MIN: 57

(D) 853

FINAL FLOW PERIOD MIN: 45

(E) 110 PSI TO (F) : 38

FINAL CLOSED IN PERIOD MIN: 54

(G) 775

FINAL HYDROSTATIC PRESSURE

(H) 1600

RECOVERED : 95 FT OF: THIN MUD
RECOVERED : 744 FT OF: WATER

CHLORIDES: 115000 PPM

Total Barrels Fluid = 10.68
Total Fluid Prod Rate = 256.20 BFPD
Indicated Wtr Rate = 238.18 BWPD

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

SET PACKER(S) : 10:00 AM
WELL TEMPERATURE : 110

TIME STARTED OFF BOTTOM : 1:00 PM

INITIAL HYDROSTATIC PRESSURE		(A)	1316	
INITIAL FLOW PERIOD	MIN: 30	(B)	135	PSI TO (C) : 233
INITIAL CLOSED IN PERIOD	MIN: 60	(D)	1128	
FINAL FLOW PERIOD	MIN: 30	(E)	344	PSI TO (F) : 392
FINAL CLOSED IN PERIOD	MIN: 60	(G)	1106	
FINAL HYDROSTATIC PRESSURE		(H)	1288	

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 13520
DATE : 19/ 5/88

FIELD : LITTLE
JOB # : 13964
DEPTH : 3232
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)
53	9: 3: 0	3.050	748.000	112.00	43.000
54	9: 6: 0	3.100	775.000	112.00	27.000

WESTERN TESTING CO. INC.

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM
RIG : SUMNER-KANSAS
FIELD : LITTLE
WELL : A-1
DATE : 5-19-88
GAUGE NO : 13520

OPERATIONAL COMMENTS

TIGHT HOLE !!
RECOVERED 816 FEET OF GAS ABOVE FLUID.

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 13520
DATE : 19/ 5/88

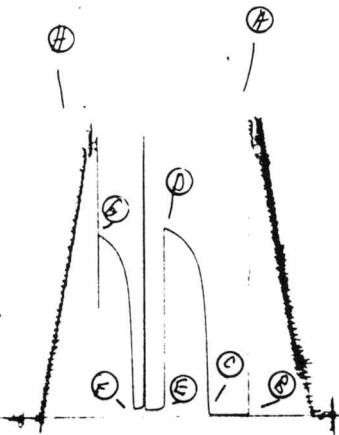
FIELD : LITTLE
JOB # : 13964
DEPTH : 3232
TEST : TIGHT HOLE !!

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6: 0: 0	0.000	101.000	112.00	0.000
2	6: 4: 59	0.083	81.000	112.00	-20.000
3	6:10: 0	0.167	65.000	112.00	-16.000
4	6:15: 0	0.250	53.000	112.00	-12.000
5	6:19:59	0.333	47.000	112.00	-6.000
6	6:25: 0	0.417	40.000	112.00	-7.000
7	6:30: 0	0.500	40.000	112.00	0.000
8	6:33: 0	0.550	49.000	112.00	9.000
9	6:36: 0	0.600	60.000	112.00	11.000
10	6:39: 0	0.650	75.000	112.00	15.000
11	6:42: 0	0.700	96.000	112.00	21.000
12	6:45: 0	0.750	123.000	112.00	27.000
13	6:48: 0	0.800	158.000	112.00	35.000
14	6:51: 0	0.850	201.000	112.00	43.000
15	6:54: 0	0.900	246.000	112.00	45.000
16	6:57: 0	0.950	300.000	112.00	54.000
17	7: 0: 0	1.000	363.000	112.00	63.000
18	7: 2: 59	1.050	427.000	112.00	64.000
19	7: 6: 0	1.100	507.000	112.00	80.000
20	7: 9: 0	1.150	582.000	112.00	75.000
21	7:12: 0	1.200	660.000	112.00	78.000
22	7:15: 0	1.250	726.000	112.00	66.000
23	7:18: 0	1.300	782.000	112.00	56.000
24	7:21: 0	1.350	822.000	112.00	40.000
25	7:24: 0	1.400	851.000	112.00	29.000
26	7:27: 0	1.450	853.000	112.00	2.000
27	7:28: 0	1.467	110.000	112.00	-743.000
28	7:31:59	1.533	90.000	112.00	-20.000
29	7:37: 0	1.617	72.000	112.00	-18.000
30	7:42: 0	1.700	61.000	112.00	-11.000
31	7:46:59	1.783	52.000	112.00	-9.000
32	7:52: 0	1.867	46.000	112.00	-6.000
33	7:57: 0	1.950	42.000	112.00	-4.000
34	8: 1:59	2.033	39.000	112.00	-3.000
35	8: 7: 0	2.117	38.000	112.00	-1.000
36	8:12: 0	2.200	38.000	112.00	0.000
37	8:15: 0	2.250	46.000	112.00	8.000
38	8:18: 0	2.300	55.000	112.00	9.000
39	8:21: 0	2.350	69.000	112.00	14.000
40	8:24: 0	2.400	86.000	112.00	17.000
41	8:27: 0	2.450	108.000	112.00	22.000
42	8:30: 0	2.500	133.000	112.00	25.000
43	8:33: 0	2.550	164.000	112.00	31.000
44	8:36: 0	2.600	210.000	112.00	46.000
45	8:39: 0	2.650	262.000	112.00	52.000
46	8:42: 0	2.700	319.000	112.00	57.000
47	8:45: 0	2.750	387.000	112.00	68.000
48	8:48: 0	2.800	456.000	112.00	69.000
49	8:51: 0	2.850	523.000	112.00	67.000
50	8:54: 0	2.900	595.000	112.00	72.000
51	8:57: 0	2.950	655.000	112.00	60.000
52	9: 0: 0	3.000	705.000	112.00	50.000

135-20 D8T#5 TKA 12962

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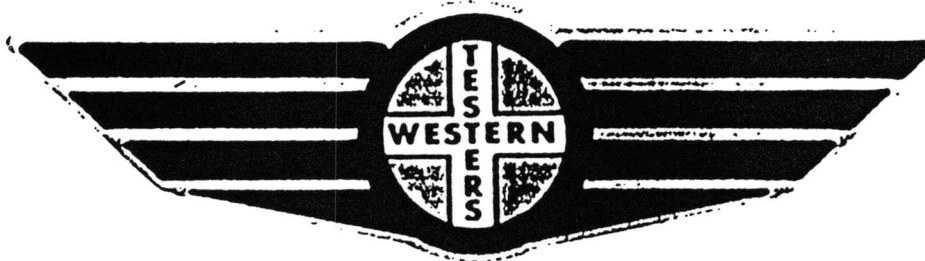
DST #3

PKT 13962

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COMPANY SOURCE PETROLEUM LEASE & WELL NO. LITTLE A-1 SEC. 3 TWP. 30S RGE. 3W TEST NO. 4 DATE 5/19/88

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 13520
DATE : 18/ 5/88

FIELD : LITTLE
JOB # : 13963
DEPTH : 3204
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	9: 0: 0	0.000	15.000	112.00	0.000
2	9: 4:59	0.083	15.000	112.00	0.000
3	9:10: 0	0.167	15.000	112.00	0.000
4	9:15: 0	0.250	15.000	112.00	0.000
5	9:19:59	0.333	15.000	112.00	0.000
6	9:25: 0	0.417	15.000	112.00	0.000
7	9:30: 0	0.500	15.000	112.00	0.000
8	9:33: 0	0.550	418.000	112.00	403.000
9	9:36: 0	0.600	699.000	112.00	281.000
10	9:39: 0	0.650	809.000	112.00	110.000
11	9:42: 0	0.700	873.000	112.00	64.000
12	9:45: 0	0.750	916.000	112.00	43.000
13	9:48: 0	0.800	945.000	112.00	29.000
14	9:51: 0	0.850	974.000	112.00	29.000
15	9:54: 0	0.900	991.000	112.00	17.000
16	9:57: 0	0.950	1008.000	112.00	17.000
17	10: 0: 0	1.000	1022.000	112.00	14.000
18	10: 2:59	1.050	1030.000	112.00	8.000
19	10: 6: 0	1.100	1038.000	112.00	8.000
20	10: 7: 0	1.117	43.000	112.00	-995.000
21	10:10:59	1.183	43.000	112.00	0.000
22	10:16: 0	1.267	43.000	112.00	0.000
23	10:21: 0	1.350	63.000	112.00	20.000
24	10:25:59	1.433	49.000	112.00	-14.000
25	10:28:59	1.483	286.000	112.00	237.000
26	10:31:59	1.533	673.000	112.00	387.000
27	10:34:59	1.583	804.000	112.00	131.000
28	10:37:59	1.633	867.000	112.00	63.000
29	10:40:59	1.683	909.000	112.00	42.000
30	10:43:59	1.733	939.000	112.00	30.000
31	10:46:59	1.783	961.000	112.00	22.000
32	10:49:59	1.833	980.000	112.00	19.000
33	10:52:59	1.883	996.000	112.00	16.000
34	10:55:59	1.933	1002.000	112.00	6.000

WESTERN TESTING CO. INC.

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 13520
DATE : 18/ 5/88

FIELD : LITTLE
JOB # : 13962
DEPTH : 3190
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	11: 5: 0	0.000	102.000	110.00	0.000
2	11: 9:59	0.083	82.000	110.00	-20.000
3	11:15: 0	0.167	66.000	110.00	-16.000
4	11:20: 0	0.250	57.000	110.00	-9.000
5	11:24:59	0.333	53.000	110.00	-4.000
6	11:30: 0	0.417	48.000	110.00	-5.000
7	11:35: 0	0.500	46.000	110.00	-2.000
8	11:38: 0	0.550	46.000	110.00	0.000
9	11:41: 0	0.600	46.000	110.00	0.000
10	11:44: 0	0.650	46.000	110.00	0.000
11	11:47: 0	0.700	46.000	110.00	0.000
12	11:50: 0	0.750	46.000	110.00	0.000
13	11:53: 0	0.800	46.000	110.00	0.000
14	11:56: 0	0.850	47.000	110.00	1.000
15	11:59: 0	0.900	49.000	110.00	2.000
16	12: 2: 0	0.950	51.000	110.00	2.000
17	12: 5: 0	1.000	54.000	110.00	3.000
18	12: 8: 0	1.050	56.000	110.00	2.000
19	12:11: 0	1.100	58.000	110.00	2.000
20	12:14: 0	1.150	60.000	110.00	2.000
21	12:17: 0	1.200	63.000	110.00	3.000
22	12:20: 0	1.250	65.000	110.00	2.000
23	12:23: 0	1.300	68.000	110.00	3.000
24	12:26: 0	1.350	70.000	110.00	2.900
25	12:27: 0	1.367	47.000	110.00	-23.000
26	12:30:59	1.433	47.000	110.00	0.000
27	12:36: 0	1.517	47.000	110.00	0.000
28	12:41: 0	1.600	109.000	110.00	62.000
29	12:44: 0	1.650	100.000	110.00	-9.000
30	12:47: 0	1.700	86.000	110.00	-14.000
31	12:50: 0	1.750	79.000	110.00	-7.000
32	12:53: 0	1.800	73.000	110.00	-6.000
33	12:56: 0	1.850	69.000	110.00	-4.000
34	12:59: 0	1.900	67.000	110.00	-2.000
35	13: 2: 0	1.950	67.000	110.00	0.000
36	13: 5: 0	2.000	67.000	110.00	0.000
37	13: 8: 0	2.050	67.000	110.00	0.000
38	13:11: 0	2.100	67.000	110.00	0.000
39	13:14: 0	2.150	67.000	110.00	0.000
40	13:17: 0	2.200	69.000	110.00	2.000
41	13:20: 0	2.250	72.000	110.00	3.000
42	13:23: 0	2.300	75.000	110.00	3.000
43	13:26: 0	2.350	79.000	110.00	4.000
44	13:29: 0	2.400	81.000	110.00	2.000

WESTERN TESTING CO. INC.

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 5-19-88	TICKET	: 13964
CUSTOMER	: SOURCE PETROLEUM	LEASE	: LITTLE
WELL	: A-1 TEST: 4	GEOLOGIST	: RANDALL M ??
ELEVATION	: 1359 RB	FORMATION	: DENNIS
SECTION	: 3	TOWNSHIP	: 30S
RANGE	: 3W	STATE	: KANSAS
GAUGE SN#	: 13520	CLOCK	: 12
COUNTY	: SUMNER		
RANGE	: 4200		

INTERVAL FROM	: 3220	TO	: 3232	TOTAL DEPTH	: 3232
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3215	SIZE	: 6.63		
PACKER DEPTH	: 3220	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: ALLEN DRILLING		
MUD TYPE	: CHEMICAL	VISCOSITY	: 45
WEIGHT	: 9.2	WATER LOSS (CC)	: 14.4
CHLORIDES (PPM)	: 15000		
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	: 3200 FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20 FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 12 FT	ANCHOR SIZE	: 5.50
SURFACE CHOKE SIZE	: .75 IN	BOTTOM CHOKE SIZE	: .75
MAIN HOLE SIZE	: 7.875 IN	TOOL JOINT SIZE	: 4-5 XH

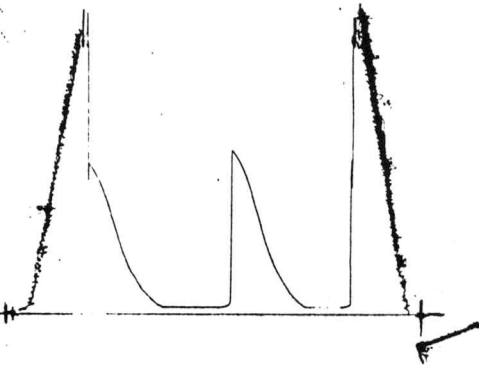
BLOW COMMENT #1 : INITIAL FLOW-WEAK BLOW BUILDING TO STRONG IN 15 MINUTES
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW
BLOW COMMENT #3 : WOULDN'T MAINTAIN 2" FLOW LINE-NO GAS TO SURFACE.
BLOW COMMENT #4 :

4332

DSTA 4

TRH 12964

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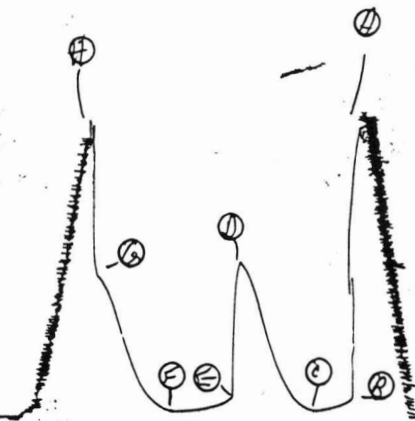


13520 DST #4



RA 13964

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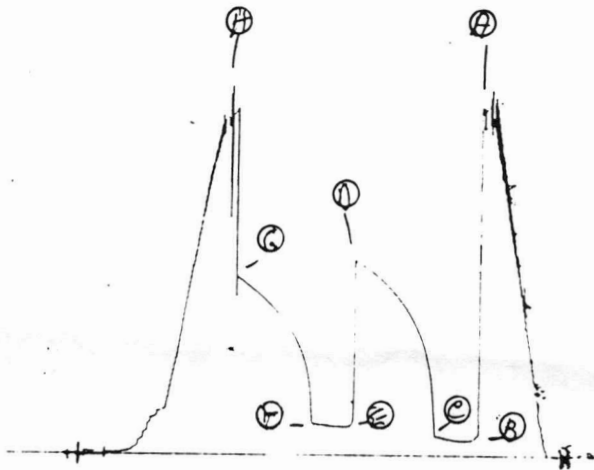


4332 ST#9



KT 129109

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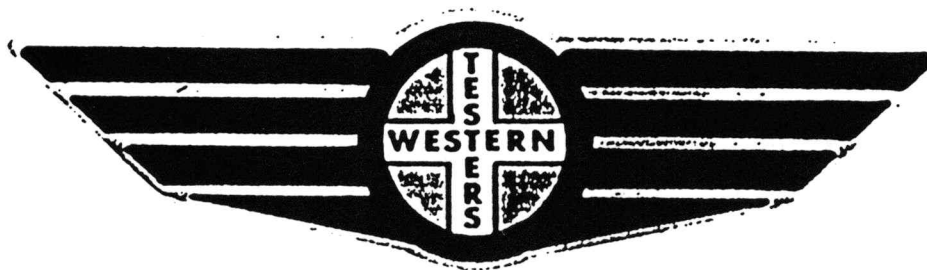


#9
HA 13969

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY SOURCE PETROLEUM LEASE & WELL NO. LITTLE A-1 SEC. 3 TWP. 30S RGE. 3W TEST NO. 5 DATE 5/19/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 5-19-88	TICKET	: 13965
CUSTOMER	: SOURCE PETROLEUM	LEASE	: LITTLE
WELL	: A-1 TEST: 5	GEOLOGIST	: RANDALL M ??
ELEVATION	: 1359 RB	FORMATION	: LOWER DENNIS
SECTION	: 3	TOWNSHIP	: 30S
RANGE	: 3W	COUNTY	: SUMNER
GAUGE SN#	: 4332	STATE	: KANSAS
		RANGE	: 4200
		CLOCK	: 12

INTERVAL FROM	: 3242	TO	: 3257	TOTAL DEPTH	: 3257
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3237	SIZE	: 6.63		
PACKER DEPTH	: 3242	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: ALLEN RIG 2		
MUD TYPE	: CHEMICAL	VISCOSITY	: 50
WEIGHT	: 9.2	WATER LOSS (CC)	: 14.4
CHLORIDES (PPM)	: 15000		
JARS-MAKE	: NO	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	: 3222 FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20 FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 15 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 .
BLOW COMMENT #2 : FINAL FLOW-VERY WEAK; STEADY 1/4" BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 45 FT OF: WATERY MUD

Total Barrels Fluid = 0.63
Total Fluid Prod Rate = 10.10 BFPD
Indicated Wtr Rate = 4.49 BWPD

REMARK 1 : TIGHT HOLE !!

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 4:30 PM

TIME STARTED OFF BOTTOM : 8:00 PM

WELL TEMPERATURE : 118

INITIAL HYDROSTATIC PRESSURE

(A) 1604

INITIAL FLOW PERIOD MIN: 30

(B) 40 PSI TO (C) : 40

INITIAL CLOSED IN PERIOD MIN: 60

(D) 1123

FINAL FLOW PERIOD MIN: 60

(E) 51 PSI TO (F) : 51

FINAL CLOSED IN PERIOD MIN: 60

(G) 1083

FINAL HYDROSTATIC PRESSURE

(H) 1568

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM
RIG : SUMNER-KANSAS
FIELD : LITTLE
WELL : A-1
DATE : 5-19-88
GAUGE NO : 4332

OPERATIONAL COMMENTS

TIGHT HOLE !!

COMPANY : SOURCE PETROLEUM
 WELL : A-1
 GAUGE # : 4332
 DATE : 18/ 5/88

FIELD : LITTLE
 JOB # : 13965
 DEPTH : 3257
 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	4:30: 0	0.000	40.000	118.00	0.000
2	4:34:59	0.083	40.000	118.00	0.000
3	4:40: 0	0.167	40.000	118.00	0.000
4	4:45: 0	0.250	40.000	118.00	0.000
5	4:49:59	0.333	40.000	118.00	0.000
6	4:55: 0	0.417	40.000	118.00	0.000
7	5: 0: 0	0.500	40.000	118.00	0.000
8	5: 3: 0	0.550	40.000	118.00	0.000
9	5: 6: 0	0.600	473.000	118.00	433.000
10	5: 9: 0	0.650	820.000	118.00	347.000
11	5:12: 0	0.700	923.000	118.00	103.000
12	5:15: 0	0.750	973.000	118.00	50.000
13	5:18: 0	0.800	1003.000	118.00	30.000
14	5:21: 0	0.850	1031.000	118.00	28.000
15	5:24: 0	0.900	1049.000	118.00	18.000
16	5:27: 0	0.950	1064.000	118.00	15.000
17	5:30: 0	1.000	1074.000	118.00	10.000
18	5:33: 0	1.050	1083.000	118.00	9.000
19	5:36: 0	1.100	1088.000	118.00	5.000
20	5:39: 0	1.150	1096.000	118.00	8.000
21	5:42: 0	1.200	1101.000	118.00	5.000
22	5:45: 0	1.250	1106.000	118.00	5.000
23	5:48: 0	1.300	1110.000	118.00	4.000
24	5:51: 0	1.350	1114.000	118.00	4.000
25	5:54: 0	1.400	1116.000	118.00	2.000
26	5:57: 0	1.450	1120.000	118.00	4.000
27	6: 0: 0	1.500	1123.000	118.00	3.000
28	6: 1: 0	1.517	51.000	118.00	-1072.000
29	6: 4:59	1.583	51.000	118.00	0.000
30	6:10: 0	1.667	51.000	118.00	0.000
31	6:15: 0	1.750	51.000	118.00	0.000
32	6:19:59	1.833	51.000	118.00	0.000
33	6:25: 0	1.917	51.000	118.00	0.000
34	6:30: 0	2.000	51.000	118.00	0.000
35	6:34:59	2.083	51.000	118.00	0.000
36	6:40: 0	2.167	51.000	118.00	0.000
37	6:45: 0	2.250	51.000	118.00	0.000
38	6:49:59	2.333	51.000	118.00	0.000
39	6:55: 0	2.417	51.000	118.00	0.000
40	7: 0: 0	2.500	51.000	118.00	0.000
41	7: 3: 0	2.550	57.000	118.00	6.000
42	7: 6: 0	2.600	325.000	118.00	268.000
43	7: 9: 0	2.650	727.000	118.00	402.000
44	7:12: 0	2.700	864.000	118.00	137.000
45	7:15: 0	2.750	921.000	118.00	57.000
46	7:18: 0	2.800	956.000	118.00	35.000
47	7:21: 0	2.850	980.000	118.00	24.000
48	7:24: 0	2.900	998.000	118.00	18.000
49	7:27: 0	2.950	1013.000	118.00	15.000
50	7:30: 0	3.000	1026.000	118.00	13.000
51	7:33: 0	3.050	1039.000	118.00	13.000
52	7:36: 0	3.100	1046.000	118.00	7.000

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 4332
DATE : 18/ 5/88

FIELD : LITTLE
JOB # : 13965
DEPTH : 3257
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)
53	7:39: 0	3.150	1054.000	118.00	8.000
54	7:42: 0	3.200	1060.000	118.00	6.000
55	7:45: 0	3.250	1066.000	118.00	6.000
56	7:48: 0	3.300	1070.000	118.00	4.000
57	7:51: 0	3.350	1074.000	118.00	4.000
58	7:54: 0	3.400	1078.000	118.00	4.000
59	7:57: 0	3.450	1081.000	118.00	3.000
60	8: 0: 0	3.500	1083.000	118.00	2.000

WESTERN TESTING CO. INC.

13520' DST #5

K4 13965

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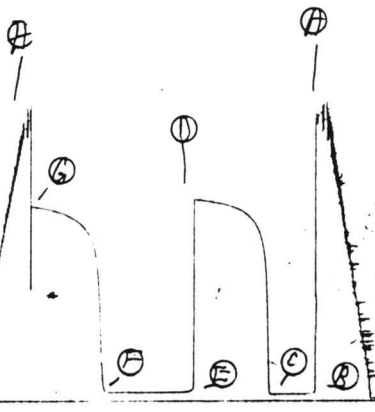


4332 DS+5

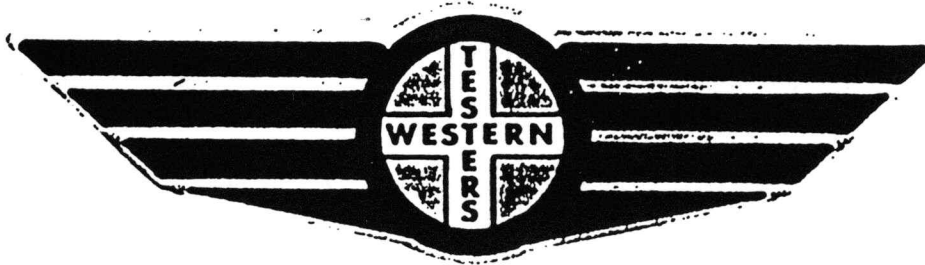
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TK+ 13965

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY SOURCE PETROLEUM

LEASE & WELL NO. LITTLE A-1

SEC. 3

TWP. 30S RGE. 3W

TEST NO. 6

DATE 5/20/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	5-20-88	TICKET	:	13966
CUSTOMER	:	SOURCE PETROLEUM	LEASE	:	LITTLE
WELL	:	A-1	TEST:	:	6
ELEVATION	:	1359 RB	GEOLOGIST	:	RANDALL M ??
SECTION	:	3	FORMATION	:	SWOPE
RANGE	:	3W	TOWNSHIP	:	30S
Gauge SN#	:	4332	STATE	:	KANSAS
	:		CLOCK	:	12
	:	COUNTY :	SUMNER		
	:	RANGE :	4200		

INTERVAL FROM	:	3282	TO	:	3307	TOTAL DEPTH	:	3307
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3277	SIZE	:	6.63			
PACKER DEPTH	:	3282	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN DRILLING RIG 2			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	42
WEIGHT	:	9.1	WATER LOSS (CC)	:	9.6
CHLORIDES (PPM)	:	14500			
JARS-MAKE	:	NO	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	:	3262	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	25	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 IN 5 MINUTES.
BLOW COMMENT #2	:	FINAL FLOW-STRONG BLOW.
BLOW COMMENT #3	:	NO GAS TO SURFACE.
BLOW COMMENT #4	:	

RECOVERED : 150 FT OF: GAS & MUD CUT OIL
10% GAS-30% MUD-60% OIL
RECOVERED : 240 FT OF: WATER

CHLORIDES: 105000 PPM

Total Barrels Fluid = 5.47
Total Fluid Prod Rate = 131.29 BFPD
Indicated Oil Rate = 30.30 BOPD
Indicated Wtr Rate = 82.47 BWPD

REMARK 1 : TIGHT HOLE !!
REMARK 2 : RECOVERED 930 FEET OF GAS ABOVE FLUID.
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	4:45 AM	TIME STARTED OFF BOTTOM :	7:45 AM
WELL TEMPERATURE :	125		
INITIAL HYDROSTATIC PRESSURE		(A)	1646
INITIAL FLOW PERIOD MIN:	30	(B)	69 PSI TO (C) : 96
INITIAL CLOSED IN PERIOD MIN:	60	(D)	1136
FINAL FLOW PERIOD MIN:	30	(E)	151 PSI TO (F) : 171
FINAL CLOSED IN PERIOD MIN:	60	(G)	1126
FINAL HYDROSTATIC PRESSURE		(H)	1606

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM
RIG : SUMNER-KANSAS
FIELD : LITTLE
WELL : A-1
DATE : 5-20-88
GAUGE NO : 4332

OPERATIONAL COMMENTS

TIGHT HOLE !!
RECOVERED 930 FEET OF GAS ABOVE FLUID.

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 4332
DATE : 20/ 5/88

FIELD : LITTLE
JOB # : 13966
DEPTH : 3307
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	4:45: 0	0.000	69.000	125.00	0.000
2	4:49:59	0.083	69.000	125.00	0.000
3	4:55: 0	0.167	69.000	125.00	0.000
4	5: 0: 0	0.250	75.000	125.00	6.000
5	5: 4:59	0.333	81.000	125.00	6.000
6	5:10: 0	0.417	88.000	125.00	7.000
7	5:15: 0	0.500	96.000	125.00	8.000
8	5:18: 0	0.550	793.000	125.00	697.000
9	5:21: 0	0.600	956.000	125.00	163.000
10	5:24: 0	0.650	1008.000	125.00	52.000
11	5:27: 0	0.700	1038.000	125.00	30.000
12	5:30: 0	0.750	1060.000	125.00	22.000
13	5:33: 0	0.800	1072.000	125.00	12.000
14	5:36: 0	0.850	1084.000	125.00	12.000
15	5:39: 0	0.900	1094.000	125.00	10.000
16	5:42: 0	0.950	1101.000	125.00	7.000
17	5:45: 0	1.000	1106.000	125.00	5.000
18	5:48: 0	1.050	1113.000	125.00	7.000
19	5:51: 0	1.100	1117.000	125.00	4.000
20	5:54: 0	1.150	1120.000	125.00	3.000
21	5:57: 0	1.200	1123.000	125.00	3.000
22	6: 0: 0	1.250	1126.000	125.00	3.000
23	6: 3: 0	1.300	1129.000	125.00	3.000
24	6: 6: 0	1.350	1131.000	125.00	2.000
25	6: 9: 0	1.400	1133.000	125.00	2.000
26	6:12: 0	1.450	1135.000	125.00	2.000
27	6:15: 0	1.500	1136.000	125.00	1.000
28	6:16: 0	1.517	151.000	125.00	-985.000
29	6:19:59	1.583	151.000	125.00	0.000
30	6:25: 0	1.667	151.000	125.00	0.000
31	6:30: 0	1.750	153.000	125.00	2.000
32	6:34:59	1.833	162.000	125.00	9.000
33	6:40: 0	1.917	168.000	125.00	6.000
34	6:45: 0	2.000	171.000	125.00	3.000
35	6:48: 0	2.050	784.000	125.00	613.000
36	6:51: 0	2.100	959.000	125.00	175.000
37	6:54: 0	2.150	1009.000	125.00	50.000
38	6:57: 0	2.200	1035.000	125.00	26.000
39	7: 0: 0	2.250	1054.000	125.00	19.000
40	7: 3: 0	2.300	1067.000	125.00	13.000
41	7: 6: 0	2.350	1078.000	125.00	11.000
42	7: 9: 0	2.400	1085.000	125.00	7.000
43	7:12: 0	2.450	1094.000	125.00	9.000
44	7:15: 0	2.500	1100.000	125.00	6.000
45	7:18: 0	2.550	1104.000	125.00	4.000
46	7:21: 0	2.600	1108.000	125.00	4.000
47	7:24: 0	2.650	1112.000	125.00	4.000
48	7:27: 0	2.700	1114.000	125.00	2.000
49	7:30: 0	2.750	1117.000	125.00	3.000
50	7:33: 0	2.800	1120.000	125.00	3.000
51	7:36: 0	2.850	1122.000	125.00	2.000
52	7:39: 0	2.900	1125.000	125.00	3.000

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 4332
DATE : 20/ 5/88

FIELD : LITTLE
JOB # : 13966
DEPTH : 3307
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)
53	7:42: 0	2.950	1126.000	125.00	1.000
54	7:45: 0	3.000	1126.000	125.00	0.000

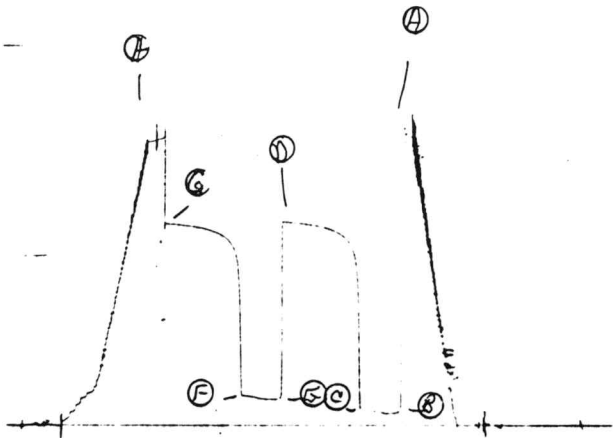
WESTERN TESTING CO. INC.

4332

DST #6

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KT 13966
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY SOURCE PETROLEUM

LEASE & WELL NO. LITTLE A-1

SEC. 3 TWP. 30S RGE. 3W

TEST NO. 7

DATE 5/20/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	5-20-88	TICKET	:	13967
CUSTOMER	:	SOURCE PETROLEUM	LEASE	:	LITTLE
WELL	:	A-1 TEST: 7	GEOLOGIST	:	RANDALL M ??
ELEVATION	:	1359 RB	FORMATION	:	HERTHA
SECTION	:	3	TOWNSHIP	:	30S
RANGE	:	3W	STATE	:	KANSAS
Gauge SN#	:	4332	CLOCK	:	12
		COUNTY :	SUMNER		
		RANGE :	4200		

INTERVAL FROM : 3319 TO : 3329 TOTAL DEPTH : 3329

DEPTH OF SELECTIVE ZONE	:	
PACKER DEPTH	:	3314
PACKER DEPTH	:	3319
PACKER DEPTH	:	
PACKER DEPTH	:	
	SIZE :	6.63
	SIZE :	6.63
	SIZE :	
	SIZE :	

DRILLING CON.	:	ALLEN	VISCOSITY	:	50
MUD TYPE	:	CHEMICAL	WATER LOSS (CC)	:	9.6
WEIGHT	:	9.1			
CHLORIDES (PPM)	:	14500	SERIAL NUMBER	:	
JARS-MAKE	:	NO	REVERSED OUT ?	:	NO
DID WELL FLOW ?	:	NO			

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3299	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	10	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 FLWO-STRONG BLOW IN 2 MINUTES:
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW.
BLOW COMMENT #3 : NO GAS TO SURFACE.
BLOW COMMENT #4 :

RECOVERED : 180 FT OF: HEAVY GAS & MUD CUT OIL
20% GAS-50% OIL-30% MUD
RECOVERED : 60 FT OF: OIL & GAS & SHOW OF WATER
60% GAS-30% OIL-10% WATER
RECOVERED : 60 FT OF: OIL CUT WATER
20% OIL-80% WATER

CHLORIDES: 95000 PPM

Total Barrels Fluid = 4.21
Total Fluid Prod Rate = 100.99 BFPD
Indicated Oil Rate = 50.49 BOPD
Indicated Wtr Rate = 20.20 BWPD

REMARK 1 : TIGHT HOLE !!
REMARK 2 : RECOVERED 2280 FEET OF GAS ABOVE FLUID.
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 3:25 PM
WELL TEMPERATURE : 122
INITIAL HYDROSTATIC PRESSURE (A) 1684
INITIAL FLOW PERIOD MIN: 30 (B) 49 PSI TO (C) : 53
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1195
FINAL FLOW PERIOD MIN: 30 (E) 93 PSI TO (F) : 97
FINAL CLOSED IN PERIOD MIN: 63 (G) 1193
FINAL HYDROSTATIC PRESSURE (H) 1626

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WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM
RIG : SUMNER-KANSAS
FIELD : LITTLE
WELL : A-1
DATE : 5-20-88
GAUGE NO : 4332

OPERATIONAL COMMENTS

TIGHT HOLE !!
RECOVERED 2280 FEET OF GAS ABOVE FLUID.

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 4332
DATE : 20/ 5/88

FIELD : LITTLE
JOB # : 13967
DEPTH : 3329
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	3:25: 0	0.000	49.000	122.00	0.000
2	3:29:59	0.083	49.000	122.00	0.000
3	3:35: 0	0.167	49.000	122.00	0.000
4	3:40: 0	0.250	49.000	122.00	0.000
5	3:44:59	0.333	49.000	122.00	0.000
6	3:50: 0	0.417	50.000	122.00	1.000
7	3:55: 0	0.500	53.000	122.00	3.000
8	3:58: 0	0.550	476.000	122.00	423.000
9	4: 1: 0	0.600	962.000	122.00	486.000
10	4: 4: 0	0.650	1103.000	122.00	141.000
11	4: 7: 0	0.700	1134.000	122.00	31.000
12	4:10: 0	0.750	1150.000	122.00	16.000
13	4:13: 0	0.800	1159.000	122.00	9.000
14	4:16: 0	0.850	1167.000	122.00	8.000
15	4:19: 0	0.900	1172.000	122.00	5.000
16	4:22: 0	0.950	1177.000	122.00	5.000
17	4:25: 0	1.000	1180.000	122.00	3.000
18	4:28: 0	1.050	1182.000	122.00	2.000
19	4:31: 0	1.100	1185.000	122.00	3.000
20	4:34: 0	1.150	1187.000	122.00	2.000
21	4:37: 0	1.200	1188.000	122.00	1.000
22	4:40: 0	1.250	1189.000	122.00	1.000
23	4:43: 0	1.300	1190.000	122.00	1.000
24	4:46: 0	1.350	1191.000	122.00	1.000
25	4:49: 0	1.400	1192.000	122.00	1.000
26	4:52: 0	1.450	1193.000	122.00	1.000
27	4:55: 0	1.500	1195.000	122.00	2.000
28	4:56: 0	1.517	93.000	122.00	-1102.000
29	4:59:59	1.583	93.000	122.00	0.000
30	5: 5: 0	1.667	93.000	122.00	0.000
31	5:10: 0	1.750	93.000	122.00	0.000
32	5:14:59	1.833	93.000	122.00	0.000
33	5:20: 0	1.917	95.000	122.00	2.000
34	5:25: 0	2.000	97.000	122.00	2.000
35	5:28: 0	2.050	653.000	122.00	556.000
36	5:31: 0	2.100	1009.000	122.00	356.000
37	5:34: 0	2.150	1104.000	122.00	95.000
38	5:37: 0	2.200	1135.000	122.00	31.000
39	5:40: 0	2.250	1150.000	122.00	15.000
40	5:43: 0	2.300	1160.000	122.00	10.000
41	5:46: 0	2.350	1166.000	122.00	6.000
42	5:49: 0	2.400	1170.000	122.00	4.000
43	5:52: 0	2.450	1176.000	122.00	6.000
44	5:55: 0	2.500	1178.000	122.00	2.000
45	5:58: 0	2.550	1180.000	122.00	2.000
46	6: 1: 0	2.600	1182.000	122.00	2.000
47	6: 4: 0	2.650	1184.000	122.00	2.000
48	6: 7: 0	2.700	1186.000	122.00	2.000
49	6:10: 0	2.750	1187.000	122.00	1.000
50	6:13: 0	2.800	1188.000	122.00	1.000
51	6:16: 0	2.850	1189.000	122.00	1.000
52	6:19: 0	2.900	1190.000	122.00	1.000

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 4332
DATE : 20/ 5/88

FIELD : LITTLE
JOB # : 13967
DEPTH : 3329
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	6:22: 0	2.950	1191.000	122.00	1.000
54	6:25: 0	3.000	1192.000	122.00	1.000
55	6:28: 0	3.050	1193.000	122.00	1.000

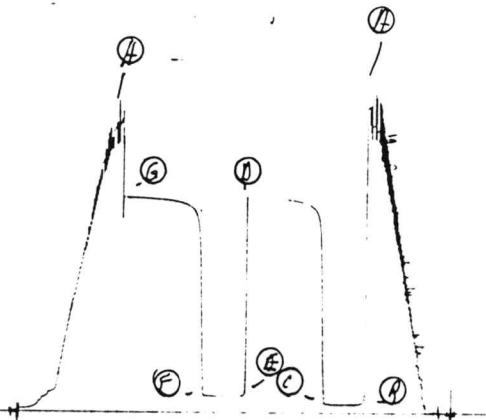
WESTERN TESTING CO. INC.

4332 DST #?

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KT 12967

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13520 DST#2

Kt 13961

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY SOURCE PETROLEUM

LEASE & WELL NO. LITTLE A-1

SEC. 3 TWP. 30S RGE. 3W TEST NO.

8 DATE 5/22/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	5-22-88	TICKET	:	13968
CUSTOMER	:	SOURCE PETROLEUM	LEASE	:	LITTLE
WELL	:	A-1	TEST:	:	8
ELEVATION	:	1359 RB	GEOLOGIST	:	RANDALL ??
SECTION	:	3	FORMATION	:	MISSISSIPPIAN
RANGE	:	3W	TOWNSHIP	:	30S
Gauge SN#	:	4332	STATE	:	KANSAS
		COUNTY :	RANGE :		CLOCK :
			SUMNER		12
			4200		

INTERVAL FROM	:	3786	TO	:	3800	TOTAL DEPTH	:	3800
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3781	SIZE	:	6.63			
PACKER DEPTH	:	3786	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN RIG 2			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	45
WEIGHT	:	9.0	WATER LOSS (CC)	:	10.4
CHLORIDES (PPM)	:	14800			
JARS-MAKE	:	NO	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	:	3766	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	14	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 (1") INTO WATER.
BLOW COMMENT #2 : FINAL FLOW-VERY WEAK BLOW FOR 15 MINUTES & DIED.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 15 FT OF: MUD (SLIGHT SHOW OF OIL)

Total Barrels Fluid = 0.21
Total Fluid Prod Rate = 5.05 BFPD
Indicated Wtr Rate = 0.50 BWPD

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

SET PACKER(S) : 9:10 AM

TIME STARTED OFF BOTTOM : 12:10 PM

WELL TEMPERATURE : 123

INITIAL HYDROSTATIC PRESSURE

(A) 1938

INITIAL FLOW PERIOD MIN: 30

(B) 21 PSI TO (C) : 21

INITIAL CLOSED IN PERIOD MIN: 63

(D) 1364

FINAL FLOW PERIOD MIN: 30

(E) 44 PSI TO (F) : 44

FINAL CLOSED IN PERIOD MIN: 60

(G) 1287

FINAL HYDROSTATIC PRESSURE

(H) 1905

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM
RIG : SUMNER-KANSAS
FIELD : LITTLE
WELL : A-1
DATE : 5-22-88
GAUGE NO : 4332

OPERATIONAL COMMENTS

TIGHT HOLE !!

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 4332
DATE : 22/ 5/88

FIELD : LITTLE
JOB # : 13968
DEPTH : 3800
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	9:10: 0	0.000	21.000	123.00	0.000
2	9:14:59	0.083	21.000	123.00	0.000
3	9:20: 0	0.167	21.000	123.00	0.000
4	9:25: 0	0.250	21.000	123.00	0.000
5	9:29:59	0.333	21.000	123.00	0.000
6	9:35: 0	0.417	21.000	123.00	0.000
7	9:40: 0	0.500	21.000	123.00	0.000
8	9:43: 0	0.550	30.000	123.00	9.000
9	9:46: 0	0.600	327.000	123.00	297.000
10	9:49: 0	0.650	630.000	123.00	303.000
11	9:52: 0	0.700	849.000	123.00	219.000
12	9:55: 0	0.750	986.000	123.00	137.000
13	9:58: 0	0.800	1076.000	123.00	90.000
14	10: 1: 0	0.850	1136.000	123.00	60.000
15	10: 4: 0	0.900	1176.000	123.00	40.000
16	10: 7: 0	0.950	1210.000	123.00	34.000
17	10:10: 0	1.000	1237.000	123.00	27.000
18	10:13: 0	1.050	1259.000	123.00	22.000
19	10:16: 0	1.100	1279.000	123.00	20.000
20	10:19: 0	1.150	1293.000	123.00	14.000
21	10:22: 0	1.200	1305.000	123.00	12.000
22	10:25: 0	1.250	1317.000	123.00	12.000
23	10:28: 0	1.300	1328.000	123.00	11.000
24	10:31: 0	1.350	1338.000	123.00	10.000
25	10:34: 0	1.400	1347.000	123.00	9.000
26	10:37: 0	1.450	1353.000	123.00	6.000
27	10:40: 0	1.500	1360.000	123.00	7.000
28	10:43: 0	1.550	1364.000	123.00	4.000
29	10:44: 0	1.567	44.000	123.00	-1320.000
30	10:47:59	1.633	44.000	123.00	0.000
31	10:53: 0	1.717	44.000	123.00	0.000
32	10:58: 0	1.800	44.000	123.00	0.000
33	11: 2:59	1.883	44.000	123.00	0.000
34	11: 8: 0	1.967	44.000	123.00	0.000
35	11:13: 0	2.050	44.000	123.00	0.000
36	11:16: 0	2.100	44.000	123.00	0.000
37	11:18:59	2.150	50.000	123.00	6.000
38	11:22: 0	2.200	181.000	123.00	131.000
39	11:25: 0	2.250	495.000	123.00	314.000
40	11:28: 0	2.300	719.000	123.00	224.000
41	11:31: 0	2.350	861.000	123.00	142.000
42	11:33:59	2.400	967.000	123.00	106.000
43	11:37: 0	2.450	1039.000	123.00	72.000
44	11:40: 0	2.500	1089.000	123.00	50.000
45	11:43: 0	2.550	1129.000	123.00	40.000
46	11:46: 0	2.600	1160.000	123.00	31.000
47	11:49: 0	2.650	1183.000	123.00	23.000
48	11:51:59	2.700	1203.000	123.00	20.000
49	11:55: 0	2.750	1222.000	123.00	19.000
50	11:58: 0	2.800	1238.000	123.00	16.000
51	12: 1: 0	2.850	1251.000	123.00	13.000
52	12: 4: 0	2.900	1266.000	123.00	15.000

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 4332
DATE : 22/ 5/88

FIELD : LITTLE
JOB # : 13968
DEPTH : 3800
TEST : TIGHT HOLE !!

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(i-1)
53	12: 6:59	2.950	1278.000	123.00	12.000
54	12:10: 0	3.000	1287.000	123.00	9.000
55	12:13: 0	3.050	1287.000	123.00	0.000

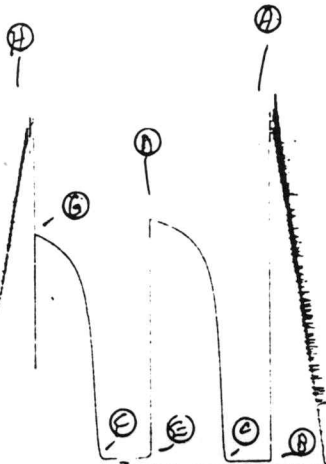
WESTERN TESTING CO. INC.

4332 1751#8

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13520 DST#8

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY SOURCE PETROLEUM

LEASE & WELL NO. LITTLE A-1

SEC. 3 TWP. 30S RGE. 3W TEST NO. 9 DATE 5/22/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	5-22-88	TICKET	:	13969
CUSTOMER	:	SOURCE PETROLEUM	LEASE	:	LITTLE
WELL	:	A-1 TEST: 9	GEOLOGIST	:	RANDALL ??
ELEVATION	:	1359 RB	FORMATION	:	MISSISSIPPI
SECTION	:	3	TOWNSHIP	:	30S
RANGE	:	3W	STATE	:	KANSAS
GAUGE SN#	:	4332	CLOCK	:	12
		COUNTY :	SUMNER		
		RANGE :	4200		

INTERVAL FROM	:	3802	TO	:	3820	TOTAL DEPTH	:	3820
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3797	SIZE	:	6.63			
PACKER DEPTH	:	3802	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN RIG 2			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	44
WEIGHT	:	9.0	WATER LOSS (CC)	:	10.4
CHLORIDES (PPM)	:	14800			
JARS-MAKE	:	NO	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	:	3782	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	18	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 SOON AFTER TOOL OPENED-GAS TO SURFACE
BLOW COMMENT #2	:	IN 15 MINUTES-SEE ATTACHED FLOW CHART.
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 285 FT OF: FREE OIL
43 GRAVITY @ 62 DEG.F. CORRECTED
RECOVERED : 120 FT OF: GAS & MUD CUT OIL
20% MUD-40% OIL-40% GAS
RECOVERED : 40 FT OF: WATER

CHLORIDES: 98000 PPM

Total Barrels Fluid = 6.24
Total Fluid Prod Rate = 149.80 BFPD
Indicated Oil Rate = 112.10 BOPD
Indicated Wtr Rate = 14.14 BWPD
Corrected Oil Rate = 89.16 BOPD
Corrected Wtr Rate = 11.25 BWPD

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

SET PACKER(S) : 7:35 PM

TIME STARTED OFF BOTTOM : 10:35 PM

WELL TEMPERATURE : 123

INITIAL HYDROSTATIC PRESSURE

(A) 1925

INITIAL FLOW PERIOD MIN: 30

(B) 87 PSI TO (C) : 108

INITIAL CLOSED IN PERIOD MIN: 60

(D) 1073

FINAL FLOW PERIOD MIN: 30

(E) 162 PSI TO (F) : 180

FINAL CLOSED IN PERIOD MIN: 60

(G) 995

FINAL HYDROSTATIC PRESSURE

(H) 1913

GAS FLOW REPORT

Date : 5-22-88	Ticket # : 13969
Customer : SOURCE PETROLEUM	Lease : LITTLE
Well : A-1 Test : 9	Geologist : RANDALL ??
Elevation (KB) : 1359	Formation : MISSISSIPPI
Section : 3	Township : 30S
Range : 3W	County : SUMNER
Gauge SN # : 4332	State : KANSAS
	Range : 4200
	Clock : 12

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

15	MERLA	1/2"	INCH of WTRGAS TO SURFACE
20			12 21900 CFPD
30			8 17200 CFPD

SECOND FLOW =====

10	MERLA	1/2"	15 "of WTR 24500 CFPD
20			8 17200 CFPD
30			8 17200 CFPD

Gas Bottle SN # : 41 P
 Date Bottle Filled : 5-22-88
 Date to be Invoiced :

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM
RIG : SUMNER-KANSAS
FIELD : LITTLE
WELL : A-1
DATE : 5-22-88
GAUGE NO : 4332

OPERATIONAL COMMENTS

TIGHT HOLE !!

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 4332
DATE : 22/ 5/88

FIELD : LITTLE
JOB # : 13969
DEPTH : 3820
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)
1	7:35: 0	0.000	87.000	123.00	0.000
2	7:39:59	0.083	87.000	123.00	0.000
3	7:45: 0	0.167	87.000	123.00	0.000
4	7:50: 0	0.250	87.000	123.00	0.000
5	7:54:59	0.333	90.000	123.00	3.000
6	8: 0: 0	0.417	100.000	123.00	10.000
7	8: 5: 0	0.500	108.000	123.00	8.000
8	8: 8: 0	0.550	271.000	123.00	163.000
9	8:11: 0	0.600	468.000	123.00	197.000
10	8:14: 0	0.650	562.000	123.00	94.000
11	8:17: 0	0.700	628.000	123.00	66.000
12	8:20: 0	0.750	691.000	123.00	63.000
13	8:23: 0	0.800	743.000	123.00	52.000
14	8:26: 0	0.850	783.000	123.00	40.000
15	8:29: 0	0.900	818.000	123.00	35.000
16	8:32: 0	0.950	850.000	123.00	32.000
17	8:35: 0	1.000	878.000	123.00	28.000
18	8:38: 0	1.050	904.000	123.00	26.000
19	8:41: 0	1.100	930.000	123.00	26.000
20	8:44: 0	1.150	954.000	123.00	24.000
21	8:47: 0	1.200	973.000	123.00	19.000
22	8:50: 0	1.250	991.000	123.00	18.000
23	8:53: 0	1.300	1013.000	123.00	22.000
24	8:56: 0	1.350	1031.000	123.00	18.000
25	8:59: 0	1.400	1046.000	123.00	15.000
26	9: 2: 0	1.450	1059.000	123.00	13.000
27	9: 5: 0	1.500	1073.000	123.00	14.000
28	9: 6: 0	1.517	162.000	123.00	-911.000
29	9: 9:59	1.583	162.000	123.00	0.000
30	9:15: 0	1.667	162.000	123.00	0.000
31	9:20: 0	1.750	166.000	123.00	4.000
32	9:24:59	1.833	171.000	123.00	5.000
33	9:30: 0	1.917	174.000	123.00	3.000
34	9:35: 0	2.000	180.000	123.00	6.000
35	9:38: 0	2.050	398.000	123.00	218.000
36	9:41: 0	2.100	509.000	123.00	111.000
37	9:44: 0	2.150	576.000	123.00	67.000
38	9:47: 0	2.200	626.000	123.00	50.000
39	9:50: 0	2.250	668.000	123.00	42.000
40	9:53: 0	2.300	703.000	123.00	35.000
41	9:56: 0	2.350	735.000	123.00	32.000
42	9:59: 0	2.400	766.000	123.00	31.000
43	10: 2: 0	2.450	790.000	123.00	24.000
44	10: 5: 0	2.500	819.000	123.00	29.000
45	10: 8: 0	2.550	843.000	123.00	24.000
46	10:11: 0	2.600	864.000	123.00	21.000
47	10:14: 0	2.650	885.000	123.00	21.000
48	10:17: 0	2.700	905.000	123.00	20.000
49	10:20: 0	2.750	921.000	123.00	16.000
50	10:23: 0	2.800	939.000	123.00	18.000
51	10:26: 0	2.850	955.000	123.00	16.000
52	10:29: 0	2.900	971.000	123.00	16.000

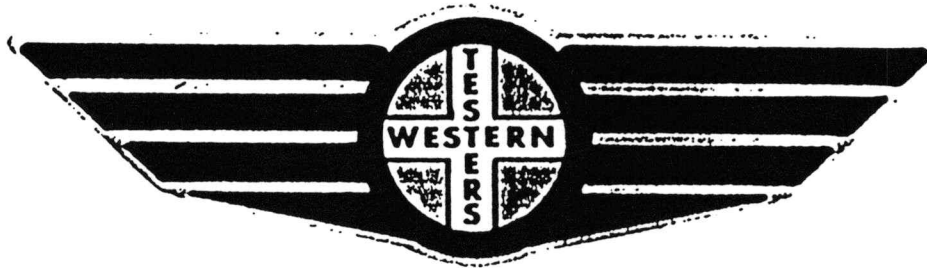
COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 4332
DATE : 22/ 5/88

FIELD : LITTLE
JOB # : 13969
DEPTH : 3820
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)
53	10:32: 0	2.950	984.000	123.00	13.000
54	10:35: 0	3.000	995.000	123.00	11.000

WESTERN TESTING CO. INC.

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY SOURCE PETROLEUM

LEASE & WELL NO. LITTLE A-1

SEC. 3 TWP. 30S RGE. 3W TEST NO. 10 DATE 5/24/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	5/24/88	TICKET	:	13970
CUSTOMER	:	SOURCE PETROLEUM	LEASE	:	LITTLE
WELL	:	A-1 TEST: 10	GEOLOGIST	:	RANDALL ?
ELEVATION	:	1359 RB	FORMATION	:	SIMPSON SAND
SECTION	:	3	TOWNSHIP	:	30S
RANGE	:	3W	STATE	:	KANSAS
Gauge SN#	:	4332	CLOCK	:	12
		COUNTY :	SUMNER		
		RANGE :	4200		

INTERVAL FROM	:	4234	TO	:	4265	TOTAL DEPTH	:	4265
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4229	SIZE	:	6.63			
PACKER DEPTH	:	4234	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN DRLG #2			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	44
WEIGHT	:	9.4	WATER LOSS (CC)	:	11.2
CHLORIDES (PPM)	:	13000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	YES

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4214	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	:	4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD STRONG BLOW IN 2
BLOW COMMENT #2 : MINUTES.
BLOW COMMENT #3 : FINAL FLOW PERIOD STRONG BLOW.
BLOW COMMENT #4 : NO GAS TO SURFACE

RECOVERED : 2666 FT OF: GAS & MUD CUT WATER
RECOVERED : 0 FT OF: SLIGHT SHOW OF OIL FIRST 2 STANDS
RECOVERED : 0 FT OF: MIDDLE 56000 PPM
RECOVERED : 0 FT OF: BOTTOM 66000 PPM

Total Barrels Fluid = 37.39
Total Fluid Prod Rate = 828.43 BFPD
Indicated Wtr Rate = 704.16 BWPD

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

SET PACKER(S) :	11:25 AM	TIME STARTED OFF BOTTOM :	2:25 PM
WELL TEMPERATURE :	138		
INITIAL HYDROSTATIC PRESSURE		(A)	2218
INITIAL FLOW PERIOD MIN:	35	(B)	223 PSI TO (C) : 864
INITIAL CLOSED IN PERIOD MIN:	60	(D)	1498
FINAL FLOW PERIOD MIN:	30	(E)	934 PSI TO (F) : 1290
FINAL CLOSED IN PERIOD MIN:	60	(G)	1501
FINAL HYDROSTATIC PRESSURE		(H)	2137

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : SOURCE PETROLEUM
RIG : SUMNER-KANSAS
FIELD : LITTLE
WELL : A-1
DATE : 5/24/88
GAUGE NO : 4332

OPERATIONAL COMMENTS

TIGHT HOLE

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 4332
DATE : 24/ 5/88

FIELD : LITTLE
JOB # : 13970
DEPTH : 4265
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	11:25: 0	0.000	223.000	138.00	0.000
2	11:29:59	0.083	246.000	138.00	23.000
3	11:35: 0	0.167	368.000	138.00	122.000
4	11:40: 0	0.250	503.000	138.00	135.000
5	11:44:59	0.333	619.000	138.00	116.000
6	11:50: 0	0.417	727.000	138.00	108.000
7	11:55: 0	0.500	828.000	138.00	101.000
8	11:59:59	0.583	864.000	138.00	36.000
9	12: 2:59	0.633	1448.000	138.00	584.000
10	12: 5:59	0.683	1467.000	138.00	19.000
11	12: 8:59	0.733	1477.000	138.00	10.000
12	12:11:59	0.783	1483.000	138.00	6.000
13	12:14:59	0.833	1487.000	138.00	4.000
14	12:17:59	0.883	1489.000	138.00	2.000
15	12:20:59	0.933	1491.000	138.00	2.000
16	12:23:59	0.983	1492.000	138.00	1.000
17	12:26:59	1.033	1493.000	138.00	1.000
18	12:29:59	1.083	1494.000	138.00	1.000
19	12:32:59	1.133	1495.000	138.00	1.000
20	12:35:59	1.183	1496.000	138.00	1.000
21	12:38:59	1.233	1497.000	138.00	1.000
22	12:41:59	1.283	1498.000	138.00	1.000
23	12:44:59	1.333	1498.000	138.00	0.000
24	12:47:59	1.383	1498.000	138.00	0.000
25	12:50:59	1.433	1498.000	138.00	0.000
26	12:53:59	1.483	1498.000	138.00	0.000
27	12:56:59	1.533	1498.000	138.00	0.000
28	12:59:59	1.583	1498.000	138.00	0.000
29	13: 1: 0	1.600	934.000	138.00	-564.000
30	13: 4:59	1.667	964.000	138.00	30.000
31	13:10: 0	1.750	1039.000	138.00	75.000
32	13:14:59	1.833	1119.000	138.00	80.000
33	13:19:59	1.917	1184.000	138.00	65.000
34	13:25: 0	2.000	1240.000	138.00	56.000
35	13:29:59	2.083	1290.000	138.00	50.000
36	13:32:59	2.133	1474.000	138.00	184.000
37	13:35:59	2.183	1484.000	138.00	10.000
38	13:38:59	2.233	1488.000	138.00	4.000
39	13:41:59	2.283	1491.000	138.00	3.000
40	13:44:59	2.333	1495.000	138.00	4.000
41	13:47:59	2.383	1496.000	138.00	1.000
42	13:50:59	2.433	1497.000	138.00	1.000
43	13:53:59	2.483	1498.000	138.00	1.000
44	13:56:59	2.533	1499.000	138.00	1.000
45	13:59:59	2.583	1499.000	138.00	0.000
46	14: 2:59	2.633	1500.000	138.00	1.000
47	14: 5:59	2.683	1500.000	138.00	0.000
48	14: 8:59	2.733	1501.000	138.00	1.000
49	14:11:59	2.783	1501.000	138.00	0.000
50	14:14:59	2.833	1501.000	138.00	0.000
51	14:17:59	2.883	1501.000	138.00	0.000
52	14:20:59	2.933	1501.000	138.00	0.000

COMPANY : SOURCE PETROLEUM
WELL : A-1
GAUGE # : 4332
DATE : 24/ 5/88

FIELD : LITTLE
JOB # : 13970
DEPTH : 4265
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)
53	14:23:59	2.983	1501.000	138.00	0.000
54	14:26:59	3.033	1501.000	138.00	0.000
55	14:29:59	3.083	1501.000	138.00	0.000

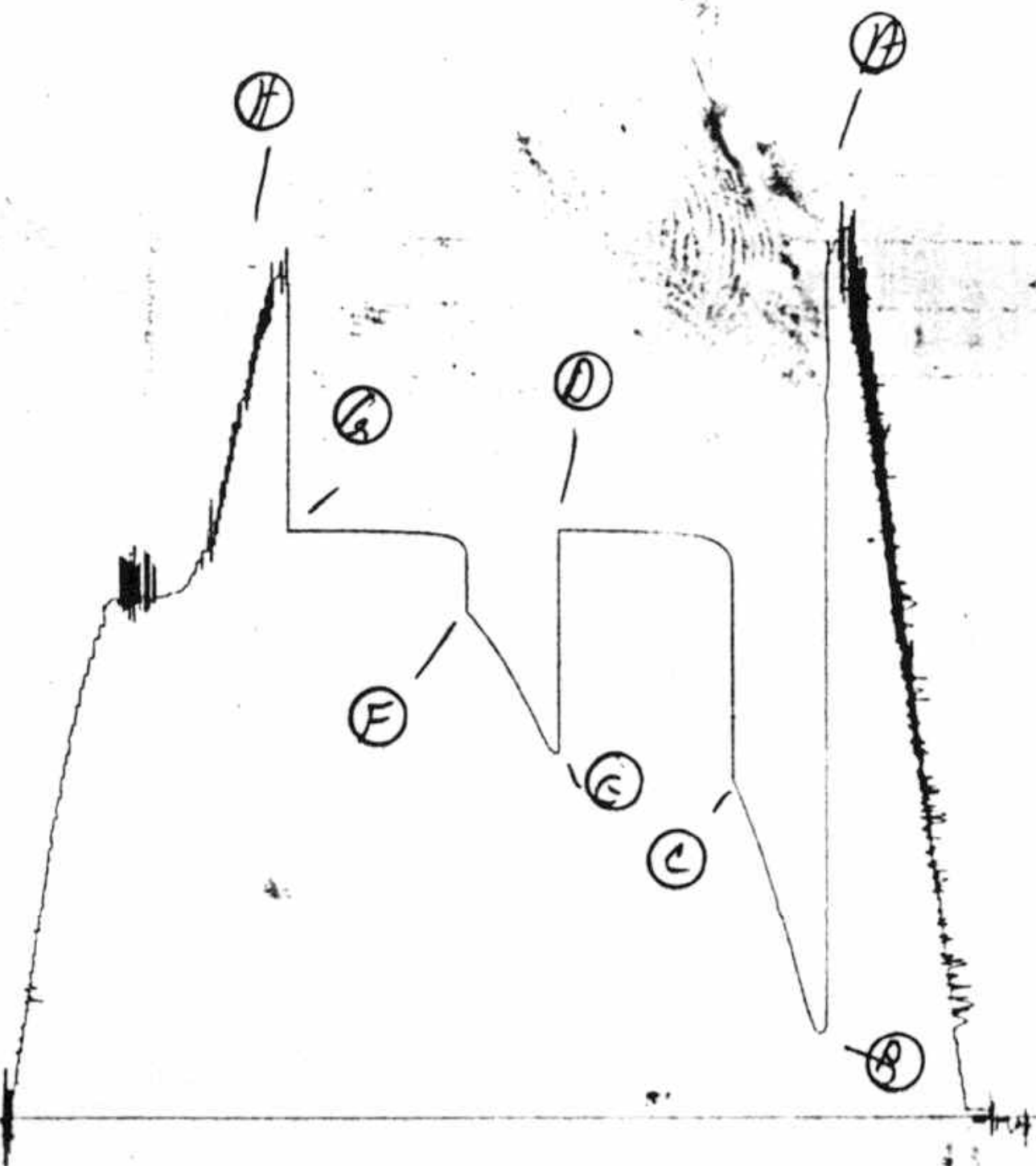
WESTERN TESTING CO. INC.

4332 7#10



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13520 DS7 #10

KK 13920

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