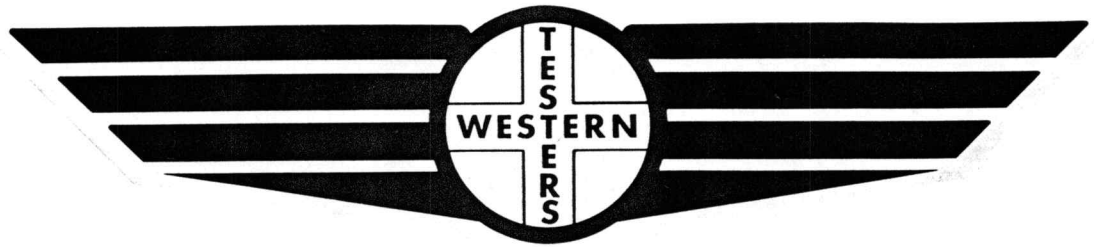


# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

PENDLETON - H & C OIL OPER.

LEASE & WELL NO.

#1 AUSTIN

SEC.

26 TWP.

34S RGE.

1E

TEST NO.

1

DATE

6/14/86

SUBSURFACE PRESSURE SURVEY

DATE : 6-14-86 TICKET : 10372  
 CUSTOMER : PENDLETON LD & EXPL.-H&C OIL LEASE : AUSTIN  
 WELL : #1 TEST: 1 GEOLOGIST : A. PENDLETON  
 ELEVATION : -- FORMATION : LAYTON  
 SECTION : 26 TOWNSHIP : 34S  
 RANGE : 1E COUNTY : SUMNER STATE : KANSAS  
 GAUGE SN# : 13402 RANGE : 4025 CLOCK : 12

INTERVAL FROM : 2853 TO : 2865 TOTAL DEPTH : 2865  
 DEPTH OF SELECTIVE ZONE :  
 PACKER DEPTH : 2848 SIZE : 6.75  
 PACKER DEPTH : 2853 SIZE : 6.75  
 PACKER DEPTH : SIZE :  
 PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN DRLG. RIG #5  
 MUD TYPE : CHEMICAL VISCOSITY : 43  
 WEIGHT : 9.5 WATER LOSS (CC) : 11.2  
 CHLORIDES (PPM) : 5000  
 JARS-MAKE : WTC SERIAL NUMBER : 406  
 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 : 2824 FT I.D. inch : 3.80  
 TEST TOOL LENGTH : 29 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 : WEAK BLOW DIED IN 10 MINUTES ON  
 BLOW COMMENT #2 : THE INITIAL FLOW.  
 BLOW COMMENT #3 : NO BLOW ON THE FINAL FLOW; FLUSHED  
 BLOW COMMENT #4 : TOOL; NO HELP.

RECOVERED : 15 FT OF: MUD-FEW OIL 0.21 Barrels  
 RECOVERED : 0 FT OF: SPECKS. 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 Total Barrels = 0.2 Total Production = 5.0 Bpd

REMARK 1 : CHLORIDES: 5000 PPM  
 REMARK 2 :  
 REMARK 3 :  
 REMARK 4 :

SET PACKER(S) : 1:35 AM TIME STARTED OFF BOTTOM : 4:20 AM  
 WELL TEMPERATURE : 104  
 INITIAL HYDROSTATIC PRESSURE (A) 1386  
 INITIAL FLOW PERIOD MIN: 30 (B) 16 PSI TO (C) : 16  
 INITIAL CLOSED IN PERIOD MIN: 42 (D) 1007  
 FINAL FLOW PERIOD MIN: 30 (E) 35 PSI TO (F) : 25  
 FINAL CLOSED IN PERIOD MIN: 57 (G) 454  
 FINAL HYDROSTATIC PRESSURE (H) 1386

Pressure Transient Report

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DATA FILE.....

COMPANY.....PENDLETON LD & EXPL.-H&C OIL

DATE OF TEST.....6-14-86

FIELD NAME.....AUSTIN

WELL NAME.....#1

LOCATION.....SUMNER-KANSAS

JOB NUMBER.....10372

GAUGE NUMBER.....13402

GAUGE DEPTH.....2865

COMMENTS

CHLORIDES: 5000 PPM

START UP TIME	(mo/da/yr)	(hr:min:sec)
	6./14/86.	1.: 35.: 0.

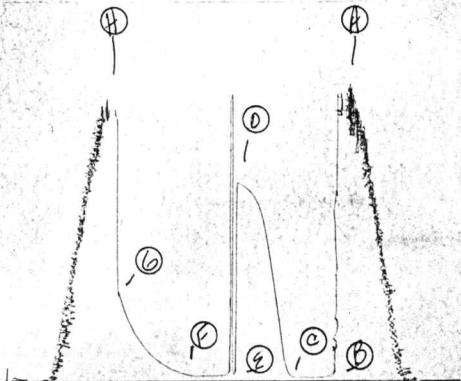
COMPANY : PENDLETON LD & EXPL.-H&C OIL FIELD : AUSTIN  
WELL : #1 JOB # : 10372.  
GAUGE # : 13402 DEPTH : 2865  
MON/DAY : 6/14

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	1:35: 0	0 0.000	16.00	104.0	0.00	0.00
2	1:40: 0	5 0.083	16.00	104.0	0.00	0.00
3	1:45: 0	10 0.167	16.00	104.0	0.00	0.00
4	1:50: 0	15 0.250	16.00	104.0	0.00	0.00
5	1:55: 0	20 0.333	16.00	104.0	0.00	0.00
6	2: 0: 0	25 0.417	16.00	104.0	0.00	0.00
7	2: 5: 0	30 0.500	16.00	104.0	0.00	0.00
8	2: 8: 0	33 0.550	23.00	104.0	7.00	139.86
9	2:11: 0	36 0.600	51.00	104.0	35.00	559.45
10	2:14: 0	39 0.650	157.00	104.0	141.00	2117.93
11	2:17: 0	42 0.700	326.00	104.0	310.00	3376.70
12	2:20: 0	45 0.750	466.00	104.0	450.00	2810.98
13	2:23: 0	48 0.800	600.00	104.0	584.00	2677.39
14	2:26: 0	51 0.850	723.00	104.0	707.00	2457.60
15	2:29: 0	54 0.900	824.00	104.0	808.00	2018.03
16	2:32: 0	57 0.950	890.00	104.0	874.00	1318.71
17	2:35: 0	60 1.000	932.00	104.0	916.00	843.29
18	2:38: 0	63 1.050	960.00	104.0	944.00	559.45
19	2:41: 0	66 1.100	980.00	104.0	964.00	399.61
20	2:44: 0	69 1.150	992.00	104.0	976.00	239.77
21	2:47: 0	72 1.200	1007.00	104.0	991.00	299.71
22	2:48: 0	73 1.217	35.00	104.0	19.00	-58548.71
23	2:52: 0	77 1.283	39.00	104.0	23.00	60.01
24	2:57: 0	82 1.367	29.00	104.0	13.00	-120.12
25	3: 2: 0	87 1.450	25.00	104.0	9.00	-47.91
26	3: 7: 0	92 1.533	25.00	104.0	9.00	0.00
27	3:12: 0	97 1.617	25.00	104.0	9.00	0.00
28	3:17: 0	102 1.700	25.00	104.0	9.00	0.00
29	3:20: 0	105 1.750	26.00	104.0	10.00	20.08
30	3:23: 0	108 1.800	31.00	104.0	15.00	99.90
31	3:26: 0	111 1.850	37.00	104.0	21.00	119.88
32	3:29: 0	114 1.900	44.00	104.0	28.00	139.86
33	3:32: 0	117 1.950	53.00	104.0	37.00	179.82
34	3:35: 0	120 2.000	61.00	104.0	45.00	160.63
35	3:38: 0	123 2.050	70.00	104.0	54.00	179.82
36	3:41: 0	126 2.100	85.00	104.0	69.00	299.71
37	3:44: 0	129 2.150	96.00	104.0	80.00	219.79
38	3:47: 0	132 2.200	111.00	104.0	95.00	299.71
39	3:50: 0	135 2.250	127.00	104.0	111.00	321.25
40	3:53: 0	138 2.300	153.00	104.0	137.00	519.49
41	3:56: 0	141 2.350	181.00	104.0	165.00	559.45
42	3:59: 0	144 2.400	208.00	104.0	192.00	539.47
43	4: 2: 0	147 2.450	240.00	104.0	224.00	639.38
44	4: 5: 0	150 2.500	277.00	104.0	261.00	742.90
45	4: 8: 0	153 2.550	322.00	104.0	306.00	899.12
46	4:11: 0	156 2.600	385.00	104.0	369.00	1258.77
47	4:14: 0	159 2.650	454.00	104.0	438.00	1378.65

13402  
DST #1

JK # 10372

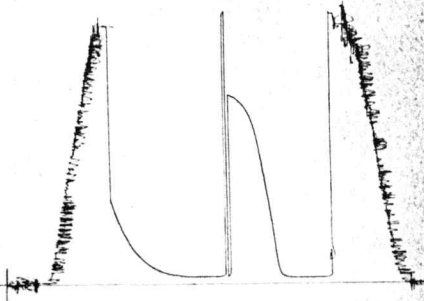
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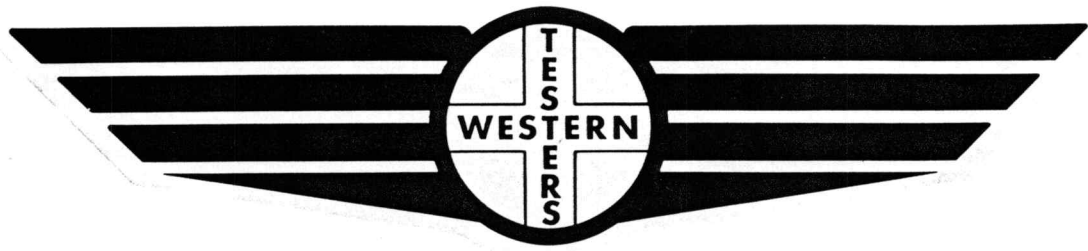
1559  
DST #1

KT # 10372

0



# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

PENDLETON - H & C OIL OPER.

LEASE & WELL NO.

#1 AUSTIN

SEC.

26 TWP.

34S RGE.

1E

TEST NO.

2

DATE

6/15/86

SUBSURFACE PRESSURE SURVEY

DATE : 6-15-86 TICKET : 10373  
 CUSTOMER : PENDLETON LD & EXPLOR-H&C OIL LEASE : AUSTIN  
 WELL : #1 TEST: 2 GEOLOGIST : A. PENDLETON  
 ELEVATION : -- FORMATION : CLEVELAND SD  
 SECTION : 26 TOWNSHIP : 34S  
 RANGE : 1E COUNTY : SUMNER STATE : KANSAS  
 GAUGE SN# : 13402 RANGE : 4025 CLOCK : 12

INTERVAL FROM : 3124 TO : 3162 TOTAL DEPTH : 3162  
 DEPTH OF SELECTIVE ZONE :  
 PACKER DEPTH : 3119 SIZE : 6.75  
 PACKER DEPTH : 3124 SIZE : 6.75  
 PACKER DEPTH : SIZE :  
 PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN DRLG. RIG #5  
 MUD TYPE : CHEMICAL VISCOSITY : 39  
 WEIGHT : 9.4 WATER LOSS (CC) : 13.2  
 CHLORIDES (PPM) : 5000  
 JARS-MAKE : WTC SERIAL NUMBER : 406  
 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 : 3095 FT I.D. inch : 3.80  
 TEST TOOL LENGTH : 29 FT TOOL SIZE : 5.50  
 ANCHOR LENGTH : 38 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 DIED IN 10 MINUTES ON  
 BLOW COMMENT #2 : THE INITIAL FLOW.  
 BLOW COMMENT #3 : NO BLOW ON THE FINAL FLOW.  
 BLOW COMMENT #4 :

RECOVERED : 1 FT OF: MUD 0.01 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 Total Barrels = 0.0 Total Production = 0.3 Bpd

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

SET PACKER(S) : 5:00 AM TIME STARTED OFF BOTTOM : 7:45 AM  
 WELL TEMPERATURE : 106  
 INITIAL HYDROSTATIC PRESSURE (A) 1540  
 INITIAL FLOW PERIOD MIN: 30 (B) 27 PSI TO (C) : 27  
 INITIAL CLOSED IN PERIOD MIN: 45 (D) 39  
 FINAL FLOW PERIOD MIN: 30 (E) 32 PSI TO (F) : 32  
 FINAL CLOSED IN PERIOD MIN: 60 (G) 39  
 FINAL HYDROSTATIC PRESSURE (H) 1478

Pressure Transient Report

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DATA FILE.....

COMPANY.....PENDLETON LD & EXPLOR-H&C OIL

DATE OF TEST.....6-15-86

FIELD NAME.....AUSTIN

WELL NAME.....#1

LOCATION.....SUMNER-KANSAS

JOB NUMBER.....10373

GAUGE NUMBER.....13402

GAUGE DEPTH.....3162

COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	6./15/86.	5.: 0.: 0.

COMPANY : PENDLETON LD & EXPLOR-H&C OIL FIELD : AUSTIN.  
 WELL : #1 JOB # : 10373  
 GAUGE # : 13402 DEPTH : 3162  
 MON/DAY : 6/15

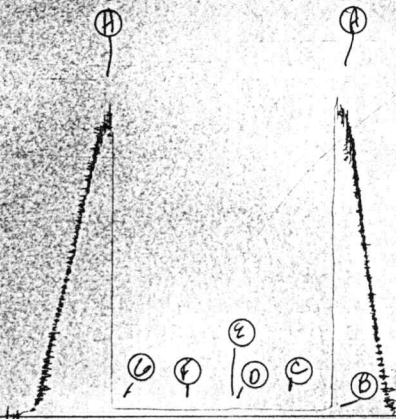
REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS	HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	5: 0: 0	0	0.000	27.00	106.0	0.00	0.00
2	5: 5: 0	5	0.083	27.00	106.0	0.00	0.00
3	5:10: 0	10	0.167	27.00	106.0	0.00	0.00
4	5:15: 0	15	0.250	27.00	106.0	0.00	0.00
5	5:20: 0	20	0.333	27.00	106.0	0.00	0.00
6	5:25: 0	25	0.417	27.00	106.0	0.00	0.00
7	5:30: 0	30	0.500	27.00	106.0	0.00	0.00
8	5:33: 0	33	0.550	28.00	106.0	1.00	19.98
9	5:36: 0	36	0.600	30.00	106.0	3.00	39.96
10	5:39: 0	39	0.650	31.00	106.0	4.00	20.08
11	5:42: 0	42	0.700	32.00	106.0	5.00	19.98
12	5:45: 0	45	0.750	33.00	106.0	6.00	19.98
13	5:48: 0	48	0.800	33.00	106.0	6.00	0.00
14	5:51: 0	51	0.850	34.00	106.0	7.00	19.98
15	5:54: 0	54	0.900	35.00	106.0	8.00	20.08
16	5:57: 0	57	0.950	35.00	106.0	8.00	0.00
17	6: 0: 0	60	1.000	36.00	106.0	9.00	19.98
18	6: 3: 0	63	1.050	36.00	106.0	9.00	0.00
19	6: 6: 0	66	1.100	37.00	106.0	10.00	19.98
20	6: 9: 0	69	1.150	38.00	106.0	11.00	20.08
21	6:12: 0	72	1.200	39.00	106.0	12.00	19.98
22	6:15: 0	75	1.250	39.00	106.0	12.00	0.00
23	6:16: 0	76	1.267	32.00	106.0	5.00	-421.65
24	6:20: 0	80	1.333	32.00	106.0	5.00	0.00
25	6:25: 0	85	1.417	32.00	106.0	5.00	0.00
26	6:30: 0	90	1.500	32.00	106.0	5.00	0.00
27	6:35: 0	95	1.583	32.00	106.0	5.00	0.00
28	6:40: 0	100	1.667	32.00	106.0	5.00	0.00
29	6:45: 0	105	1.750	32.00	106.0	5.00	0.00
30	6:48: 0	108	1.800	32.00	106.0	5.00	0.00
31	6:51: 0	111	1.850	32.00	106.0	5.00	0.00
32	6:54: 0	114	1.900	32.00	106.0	5.00	0.00
33	6:57: 0	117	1.950	32.00	106.0	5.00	0.00
34	7: 0: 0	120	2.000	32.00	106.0	5.00	0.00
35	7: 3: 0	123	2.050	33.00	106.0	6.00	19.98
36	7: 6: 0	126	2.100	34.00	106.0	7.00	19.98
37	7: 9: 0	129	2.150	35.00	106.0	8.00	20.08
38	7:12: 0	132	2.200	36.00	106.0	9.00	19.98
39	7:15: 0	135	2.250	36.00	106.0	9.00	0.00
40	7:18: 0	138	2.300	37.00	106.0	10.00	19.98
41	7:21: 0	141	2.350	37.00	106.0	10.00	0.00
42	7:24: 0	144	2.400	38.00	106.0	11.00	20.08
43	7:27: 0	147	2.450	38.00	106.0	11.00	0.00
44	7:30: 0	150	2.500	38.00	106.0	11.00	0.00
45	7:33: 0	153	2.550	39.00	106.0	12.00	19.98
46	7:36: 0	156	2.600	39.00	106.0	12.00	0.00
47	7:39: 0	159	2.650	39.00	106.0	12.00	0.00
48	7:42: 0	162	2.700	39.00	106.0	12.00	0.00
49	7:45: 0	165	2.750	39.00	106.0	12.00	0.00

13402

DST #2

St # 10373

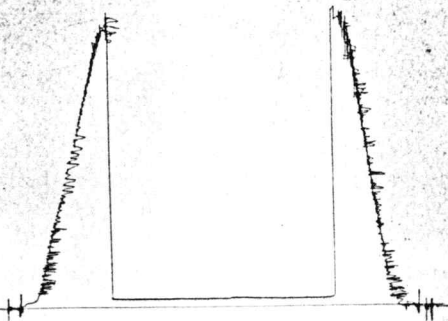
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1559  
DST 42

Alt # 10373

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WESTERN TESTERS INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 6-16-86 TICKET : 10374  
CUSTOMER : PENDLETON LAND - H&C OIL OP. LEASE : AUSTIN  
WELL : #1 TEST: 3 GEOLOGIST :  
ELEVATION : FORMATION : MISSISSIPPI  
SECTION : 26 TOWNSHIP : 34S  
RANGE : 1E COUNTY : SUMNER STATE : KS  
GAUGE SN# : 13402 RANGE : 4025 CLOCK : 12

INTERVAL FROM : 3496 TO : 3514 TOTAL DEPTH : 3514  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 3491 SIZE : 6.75  
PACKER DEPTH : 3496 SIZE : 6.75  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN #4  
MUD TYPE : CHM VISCOSITY : 39  
WEIGHT : 9.4 WATER LOSS (CC) : 12.0  
CHLORIDES (PPM) : 5000  
JARS-MAKE : WTC SERIAL NUMBER : 406  
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 : 3467 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 29 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 : 4.5XH

BLOW COMMENT #1 : WEAK BLOW THROUGHOUT TEST  
BLOW COMMENT #2 :  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 30 FT OF: MUD WITH FEW OIL SPECKS

Total Barrels Fluid = 0.42  
Total Fluid Prod Rate = 6.73 BFPD  
Indicated Oil Rate = 0.22 BOPD

REMARK 1 :  
REMARK 2 : CHLORIDES 5000 PPM  
REMARK 3 :  
REMARK 4 :

SET PACKER(S) : 3:35PM TIME STARTED OFF BOTTOM : 7:20PM  
WELL TEMPERATURE : 110  
INITIAL HYDROSTATIC PRESSURE (A) 1786  
INITIAL FLOW PERIOD MIN: 30 (B) 30 PSI TO (C) : 30  
INITIAL CLOSED IN PERIOD MIN: 45 (D) 88  
FINAL FLOW PERIOD MIN: 60 (E) 26 PSI TO (F) : 26  
FINAL CLOSED IN PERIOD MIN: 90 (G) 107  
FINAL HYDROSTATIC PRESSURE (H) 1769

WESTERN TESTERS INC.  
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PENDLETON LAND - H&C OIL OP.  
RIG : ALLEN #4  
FIELD : AUSTIN  
WELL : #1  
DATE : 6-16-86  
GAUGE NO : 13402

OPERATIONAL COMMENTS

- 1.
- 2.
- 3.
- 4.

COMPANY : PENDLETON LAND - H&C OIL OP.

WELL : #1  
GAUGE # : 13402  
DATE : 16/ 6/86

FIELD : AUSTIN  
JOB # : 3  
DEPTH : 3504  
EVENT : 1.

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P $P_i - P_{(i-1)}$
1	3:35: 0	0.000	30.000	110.00	0.000
2	3:39:60	0.083	30.000	110.00	0.000
3	3:45: 1	0.167	30.000	110.00	0.000
4	3:50: 0	0.250	30.000	110.00	0.000
5	3:54:60	0.333	30.000	110.00	0.000
6	4: 0: 1	0.417	30.000	110.00	0.000
8	4: 8: 0	0.550	30.000	110.00	0.000
11	4:17: 0	0.700	42.000	110.00	12.000
13	4:23: 0	0.800	52.000	110.00	10.000
16	4:32: 0	0.950	64.000	110.00	12.000
19	4:41: 0	1.100	76.000	110.00	12.000
21	4:47: 0	1.200	84.000	110.00	8.000
24	4:54:60	1.333	26.000	110.00	-58.000
26	5: 5: 0	1.500	26.000	110.00	0.000
28	5:15: 1	1.667	26.000	110.00	0.000
30	5:24:60	1.833	26.000	110.00	0.000
32	5:35: 0	2.000	26.000	110.00	0.000
34	5:45: 1	2.167	26.000	110.00	0.000
36	5:53: 0	2.300	28.000	110.00	2.000
38	5:59: 0	2.400	34.000	110.00	6.000
41	6: 8: 0	2.550	43.000	110.00	9.000
43	6:14: 0	2.650	49.000	110.00	6.000
46	6:23: 0	2.800	58.000	110.00	9.000
48	6:29: 0	2.900	64.000	110.00	6.000
51	6:38: 0	3.050	73.000	110.00	9.000
53	6:44: 0	3.150	79.000	110.00	6.000
56	6:53: 0	3.300	86.000	110.00	7.000
58	6:59: 0	3.400	92.000	110.00	6.000
61	7: 8: 0	3.550	99.000	110.00	7.000
63	7:14: 0	3.650	103.000	110.00	4.000

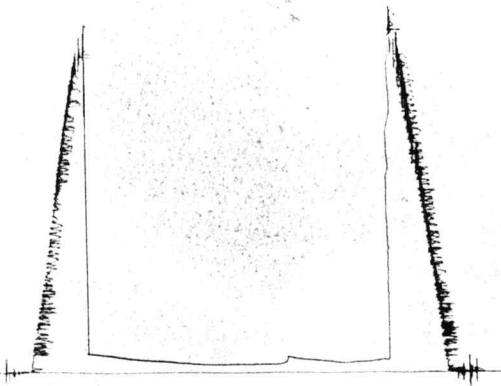
WESTERN TESTERS INC.

1559

DST #3

TR # 10374

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13402  
DST#3

TK#10374  
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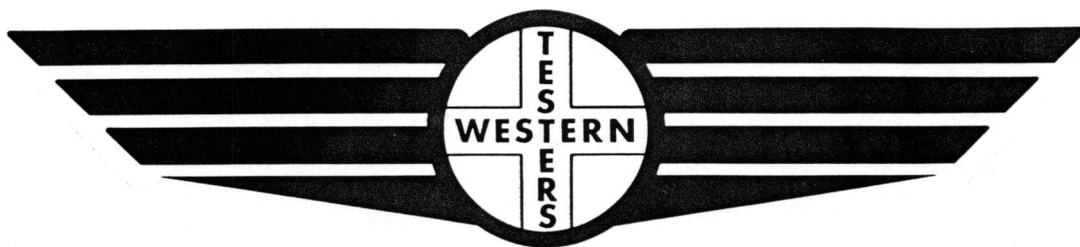
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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY Pendleton Land & Exploration & H & C Oil Operating  
LEASE & WELL NO. \_\_\_\_\_ Austin #1 \_\_\_\_\_  
SEC. 26 TWP. 34S RGE. 1E TEST NO. 4 DATE 6-17-86

WESTERN TESTERS INC.  
SUBSURFACE PRESSURE SURVEY

DATE	: 6-17-86	TICKET	: 10375
CUSTOMER	: PENDLETON LAND - H&C OIL OP.	LEASE	: AUSTIN
WELL	: #1 TEST: 4	GEOLOGIST	:
ELEVATION	:	FORMATION	: SIMPSON
SECTION	: 26	TOWNSHIP	: 34S
RANGE	: 1E COUNTY: SUMNER	STATE	: KS
GAUGE SN#	: 13402 RANGE: 4025	CLOCK	: 12

INTERVAL FROM	: 3710	TO	: 3745	TOTAL DEPTH	: 3745
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3705	SIZE	: 6.75		
PACKER DEPTH	: 3710	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: ALLEN DRLG #5		
MUD TYPE	: CHEM	VISCOSITY	: 44
WEIGHT	: 9.4	WATER LOSS (CC)	: 11.2
CHLORIDES (PPM)	: 4000		
JARS-MAKE	: WTC	SERIAL NUMBER	: 406
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	: 3681 FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 29 FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 35 FT	ANCHOR SIZE	: 5.50
SURFACE CHOKE SIZE	: .75 IN	BOTTOM CHOKE SIZE	: .75
MAIN HOLE SIZE	: 7.875 IN	TOOL JOINT SIZE	: 4.5XH

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT TEST.  
 BLOW COMMENT #2 :  
 BLOW COMMENT #3 :  
 BLOW COMMENT #4 :

RECOVERED	: 60	FT OF:	OIL CUT MUD
RECOVERED	: 0	FT OF:	
RECOVERED	: 0	FT OF:	10% OIL 80%MUD 10% GAS

Total Barrels Fluid = 0.84  
 Total Fluid Prod Rate = 13.47 BFPD  
 Indicated Oil Rate = 1.35 BOPD  
 REMARK 1 : RECOVERED 1400' GAS ABOVE FLUID  
 REMARK 2 :  
 REMARK 3 :  
 REMARK 4 :

SET PACKER(S)	: 11:10PM	TIME STARTED OFF BOTTOM	: 2:55AM
WELL TEMPERATURE	: 110		
INITIAL HYDROSTATIC PRESSURE		(A)	1882
INITIAL FLOW PERIOD	MIN: 30	(B)	28 PSI TO (C) : 28
INITIAL CLOSED IN PERIOD	MIN: 42	(D)	933
FINAL FLOW PERIOD	MIN: 60	(E)	39 PSI TO (F) : 43
FINAL CLOSED IN PERIOD	MIN: 87	(G)	1145
FINAL HYDROSTATIC PRESSURE		(H)	1803

WESTERN TESTERS INC.  
WICHITA - KANSAS

Pressure Transient Report  
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COMPANY : PENDLETON LAND - H&C OIL OP.  
RIG : 0000  
FIELD : AUSTIN  
WELL : #1  
DATE : 6-17-86  
GAUGE NO : 13402

OPERATIONAL COMMENTS

- 1.
- 2.
- 3.
- 4.

WELL : #1

JOB # : 4

GAUGE # : 13402

DEPTH : 3735

DATE : 17/ 6/86

EVENT : 1.

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	11:10: 0	0.000	28.000	110.00	0.000
2	11:14:60	0.083	28.000	110.00	0.000
3	11:20: 1	0.167	28.000	110.00	0.000
4	11:25: 0	0.250	28.000	110.00	0.000
5	11:29:60	0.333	28.000	110.00	0.000
6	11:35: 1	0.417	28.000	110.00	0.000
7	11:40: 0	0.500	28.000	110.00	0.000
8	11:43: 0	0.550	43.000	110.00	15.000
9	11:46: 0	0.600	91.000	110.00	48.000
10	11:49: 0	0.650	132.000	110.00	41.000
11	11:52: 0	0.700	181.000	110.00	49.000
12	11:55: 0	0.750	236.000	110.00	55.000
13	11:58: 0	0.800	301.000	110.00	65.000
14	12: 1: 0	0.850	368.000	110.00	67.000
15	12: 4: 0	0.900	439.000	110.00	71.000
16	12: 7: 0	0.950	526.000	110.00	87.000
17	12:10: 0	1.000	605.000	110.00	79.000
18	12:13: 0	1.050	696.000	110.00	91.000
19	12:16: 0	1.100	779.000	110.00	83.000
20	12:19: 0	1.150	858.000	110.00	79.000
21	12:22: 0	1.200	933.000	110.00	75.000
22	12:23: 1	1.217	39.000	110.00	-894.000
23	12:26:60	1.283	39.000	110.00	0.000
24	12:32: 1	1.367	39.000	110.00	0.000
25	12:37: 0	1.450	39.000	110.00	0.000
26	12:41:60	1.533	39.000	110.00	0.000
27	12:47: 1	1.617	39.000	110.00	0.000
28	12:52: 0	1.700	39.000	110.00	0.000
29	12:56:60	1.783	39.000	110.00	0.000
30	13: 2: 1	1.867	39.000	110.00	0.000
31	13: 7: 0	1.950	40.000	110.00	1.000
32	13:11:60	2.033	41.000	110.00	1.000
33	13:17: 1	2.117	42.000	110.00	1.000
34	13:22: 0	2.200	43.000	110.00	1.000
35	13:25: 0	2.250	67.000	110.00	24.000
36	13:28: 0	2.300	104.000	110.00	37.000
37	13:31: 0	2.350	148.000	110.00	44.000
38	13:34: 0	2.400	183.000	110.00	35.000
39	13:37: 0	2.450	232.000	110.00	49.000
40	13:40: 0	2.500	282.000	110.00	50.000
41	13:43: 0	2.550	335.000	110.00	53.000
42	13:46: 0	2.600	392.000	110.00	57.000
43	13:49: 0	2.650	467.000	110.00	75.000
44	13:52: 0	2.700	536.000	110.00	69.000
45	13:55: 0	2.750	621.000	110.00	85.000
46	13:58: 0	2.800	692.000	110.00	71.000
47	14: 1: 0	2.850	773.000	110.00	81.000
48	14: 4: 0	2.900	838.000	110.00	65.000
49	14: 7: 0	2.950	895.000	110.00	57.000
50	14:10: 0	3.000	937.000	110.00	42.000
51	14:13: 0	3.050	974.000	110.00	37.000
52	14:16: 0	3.100	1010.000	110.00	36.000

COMPANY : PENDLETON LAND - H&C OIL OP.

FIELD : AUSTIN

WELL : #1

JOB # : 4

GAUGE # : 13402

DEPTH : 3735

DATE : 17/ 6/86

EVENT : 1.

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	14:19: 0	3.150	1034.000	110.00	24.000
54	14:22: 0	3.200	1058.000	110.00	24.000
55	14:25: 0	3.250	1071.000	110.00	13.000
56	14:28: 0	3.300	1086.000	110.00	15.000
57	14:31: 0	3.350	1098.000	110.00	12.000
58	14:34: 0	3.400	1108.000	110.00	10.000
59	14:37: 0	3.450	1118.000	110.00	10.000
60	14:40: 0	3.500	1126.000	110.00	8.000
61	14:43: 0	3.550	1133.000	110.00	7.000
62	14:46: 0	3.600	1139.000	110.00	6.000
63	14:49: 0	3.650	1145.000	110.00	6.000

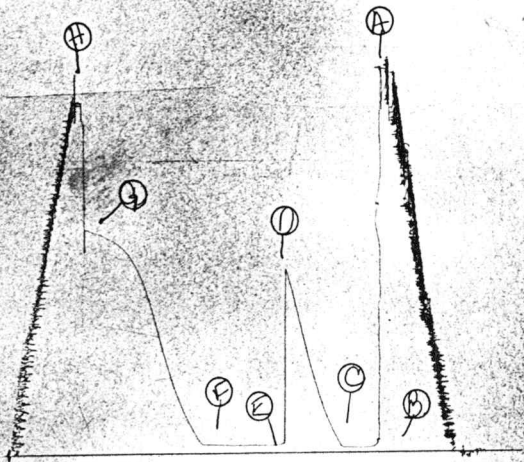
WESTERN TESTERS INC.

13402

DST #4

TK# 10375

I.



1559  
DST #4

TL# 10375

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