

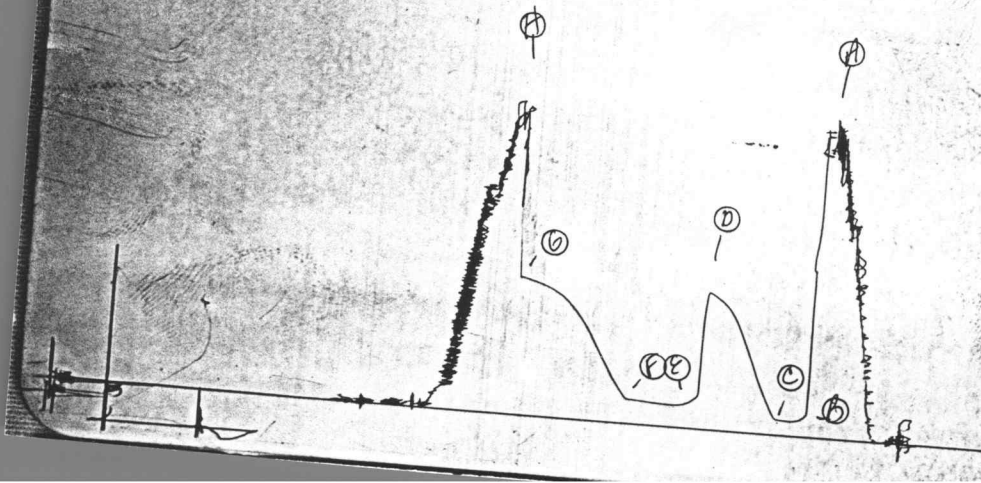
DST 1

13403

Kit # 12001

Pendleton

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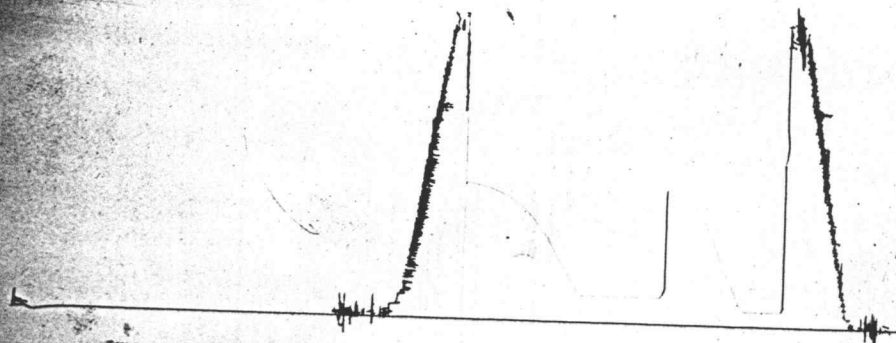


DST 1

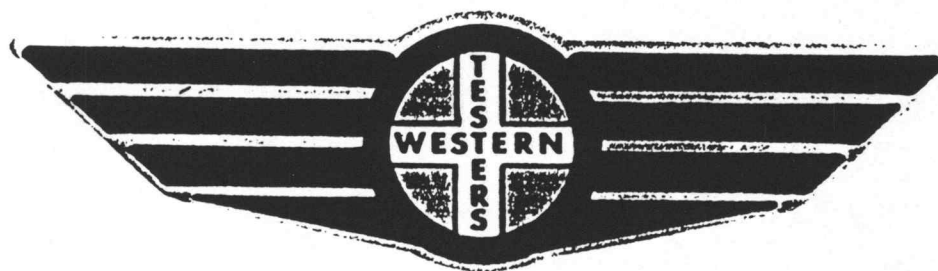
Pendleton

JKt #12001
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135



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 11-18-87
CUSTOMER : PENDLETON / H&C / RAMCO
WELL : #1 TEST: 1
ELEVATION : -
SECTION : 8
RANGE : 14W COUNTY : BARTON
GAUGE SN# : 13403 RANGE : 4050
TICKET : 12001
LEASE : ROWLEY-MURDY
GEOLOGIST : R. SMITH
FORMATION : KANSAS CITY A
TOWNSHIP : 18S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3240 TO : 3270 TOTAL DEPTH : 3270
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3235 SIZE : 6.75
PACKER DEPTH : 3240 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #
MUD TYPE : CHEMICAL VISCOSITY : 46
WEIGHT : 9.1 WATER LOSS (CC) : 7.6
CHLORIDES (PPM) : 8000
JARS-MAKE : WTC SERIAL NUMBER : 414
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 117 FT I.D. inch : 2.20
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3094 FT I.D. inch : 3.80
TEST TOOL LENGTH : 29 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 30 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : INITIAL FLOW-FAIR STEADY BLOW-10" IN BUCKET.
BLOW COMMENT #2 : FINAL FLOW-STEADY BLOW-3" IN BUCKET.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 95 FT OF: 90% MUD-9% WATER-1% OIL
RECOVERED : 60 FT OF: 20% MUD-80% WATER
RECOVERED : 60 FT OF: 40% MUD-60% WATER

CHLORIDES: 84000 PPM

Total Barrels Fluid = 1.92
Total Fluid Prod Rate = 36.95 BFPD
Indicated Oil Rate = 0.16 BOPD
Indicated Wtr Rate = 15.91 BWPD

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

SET PACKER(S) : 4:10 PM
WELL TEMPERATURE : 104

TIME STARTED OFF BOTTOM : 8:10 PM

INITIAL HYDROSTATIC PRESSURE

(A) 1616

INITIAL FLOW PERIOD MIN: 20

(B) 116 PSI TO (C) : 81

INITIAL CLOSED IN PERIOD MIN: 57

(D) 738

FINAL FLOW PERIOD MIN: 55

(E) 120 PSI TO (F) : 133

FINAL CLOSED IN PERIOD MIN: 84

(G) 744

FINAL HYDROSTATIC PRESSURE

(H) 1616

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PENDLETON / H&C / RAMCO
RIG : BARTON-KANSAS
FIELD : ROWLEY-MURDY
WELL : #1
DATE : 11-18-87
GAUGE NO : 13403

OPERATIONAL COMMENTS

TIGHT HOLE !!

COMPANY : PENDLETON / H&C / RAMCO
WELL : #1
GAUGE # : 13403
DATE : 18/11/87

FIELD : ROWLEY-MURDY
JOB # : 12001
DEPTH : 3270
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	4:10: 0	0.000	116.000	104.00	0.000
2	4:14:59	0.083	88.000	104.00	-28.000
3	4:20: 0	0.167	82.000	104.00	-6.000
4	4:25: 0	0.250	81.000	104.00	-1.000
5	4:29:59	0.333	81.000	104.00	0.000
6	4:32:59	0.383	88.000	104.00	7.000
7	4:35:59	0.433	122.000	104.00	34.000
8	4:38:59	0.483	162.000	104.00	40.000
9	4:41:59	0.533	206.000	104.00	44.000
10	4:44:59	0.583	249.000	104.00	43.000
11	4:47:59	0.633	296.000	104.00	47.000
12	4:50:59	0.683	351.000	104.00	55.000
13	4:53:59	0.733	400.000	104.00	49.000
14	4:56:59	0.783	453.000	104.00	53.000
15	4:59:59	0.833	506.000	104.00	53.000
16	5: 2:59	0.883	556.000	104.00	50.000
17	5: 5:59	0.933	598.000	104.00	42.000
18	5: 8:59	0.983	636.000	104.00	38.000
19	5:11:59	1.033	664.000	104.00	28.000
20	5:14:59	1.083	682.000	104.00	18.000
21	5:17:59	1.133	702.000	104.00	20.000
22	5:20:59	1.183	714.000	104.00	12.000
23	5:23:59	1.233	727.000	104.00	13.000
24	5:26:59	1.283	738.000	104.00	11.000
25	5:28: 0	1.300	120.000	104.00	-618.000
26	5:31:59	1.367	120.000	104.00	0.000
27	5:36:59	1.450	120.000	104.00	0.000
28	5:41:59	1.533	120.000	104.00	0.000
29	5:46:59	1.617	120.000	104.00	0.000
30	5:51:59	1.700	120.000	104.00	0.000
31	5:56:59	1.783	123.000	104.00	3.000
32	6: 1:59	1.867	124.000	104.00	1.000
33	6: 6:59	1.950	128.000	104.00	4.000
34	6:11:59	2.033	130.000	104.00	2.000
35	6:16:59	2.117	132.000	104.00	2.000
36	6:21:59	2.200	133.000	104.00	1.000
37	6:24:59	2.250	152.000	104.00	19.000
38	6:27:59	2.300	182.000	104.00	30.000
39	6:31: 0	2.350	214.000	104.00	32.000
40	6:33:59	2.400	247.000	104.00	33.000
41	6:36:59	2.450	280.000	104.00	33.000
42	6:39:59	2.500	317.000	104.00	37.000
43	6:42:59	2.550	353.000	104.00	36.000
44	6:46: 0	2.600	390.000	104.00	37.000
45	6:48:59	2.650	432.000	104.00	42.000
46	6:51:59	2.700	472.000	104.00	40.000
47	6:54:59	2.750	505.000	104.00	33.000
48	6:57:59	2.800	535.000	104.00	30.000
49	7: 1: 0	2.850	565.000	104.00	30.000
50	7: 3:59	2.900	591.000	104.00	26.000
51	7: 6:59	2.950	610.000	104.00	19.000
52	7: 9:59	3.000	634.000	104.00	24.000

COMPANY : PENDLETON / H&C / RAMCO
WELL : #1
GAUGE # : 13403
DATE : 18/11/87

FIELD : ROWLEY-MURDY
JOB # : 12001
DEPTH : 3270
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	7:12:59	3.050	654.000	104.00	20.000
54	7:16: 0	3.100	669.000	104.00	15.000
55	7:18:59	3.150	679.000	104.00	10.000
56	7:21:59	3.200	691.000	104.00	12.000
57	7:24:59	3.250	702.000	104.00	11.000
58	7:27:59	3.300	708.000	104.00	6.000
59	7:31: 0	3.350	717.000	104.00	9.000
60	7:33:59	3.400	724.000	104.00	7.000
61	7:36:59	3.450	729.000	104.00	5.000
62	7:39:59	3.500	735.000	104.00	6.000
63	7:42:59	3.550	740.000	104.00	5.000
64	7:46: 0	3.600	744.000	104.00	4.000

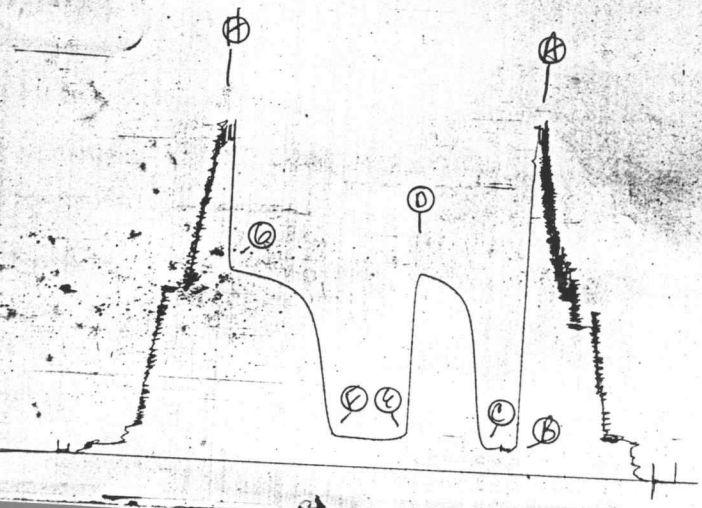
WESTERN TESTING CO. INC.

13769

SKT # 12002

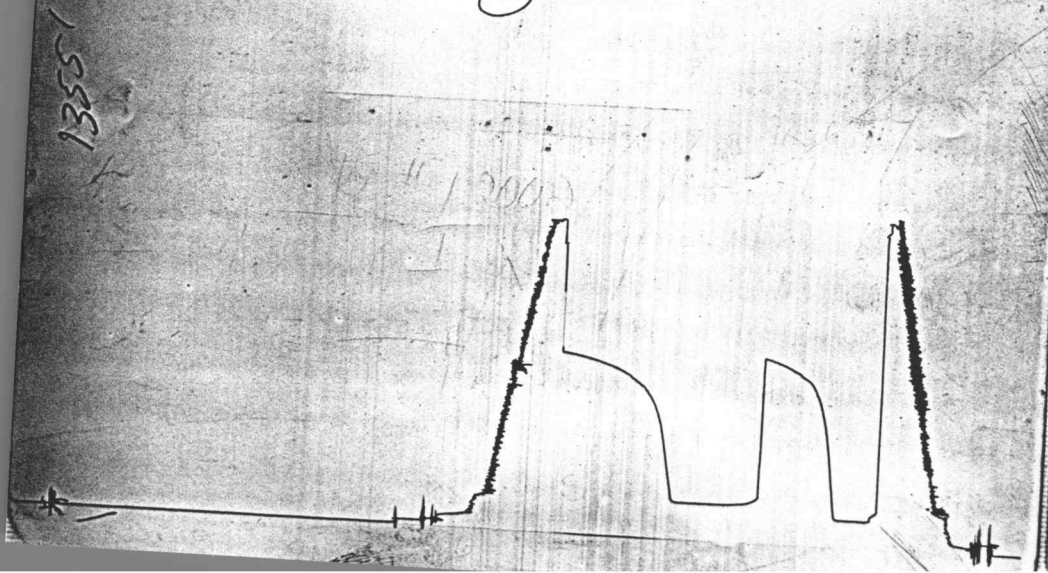
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DST 2
Pendleton



Wt # 12002
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DST 2
PENDETON



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY PENDLETON LAND & EXPLORATION&LEASE & WELL NO. ROWLEY-MURDY #1 SEC. 8 TWP. 18S RGE. 14W TEST NO. 2 DATE 11-19-87
H&C OIL AND RAMCO

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 11-19-87	TICKET	: 12002
CUSTOMER	: PENDLETON / H&C / RAMCO	LEASE	: ROWLEY-MURDY
WELL	: #1 TEST: 2	GEOLOGIST	: R. SMITH
ELEVATION	: 1989 GL	FORMATION	: L/ KANSAS CITY
SECTION	: 8	TOWNSHIP	: 18S
RANGE	: 14W	COUNTY	: BARTON
GAUGE SN#	: 13759	RANGE	: 3900
		STATE	: KANSAS
		CLOCK	: 12

INTERVAL FROM	: 3307	TO	: 3451	TOTAL DEPTH	: 3451
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3302	SIZE	: 6.75		
PACKER DEPTH	: 3307	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: ALLEN RIG #1		
MUD TYPE	: CHEMICAL	VISCOSITY	: 46
WEIGHT	: 9.2	WATER LOSS (CC)	: 8.0
CHLORIDES (PPM)	: 8000		
JARS-MAKE	: WTC	SERIAL NUMBER	: 414
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 117 FT	I.D. inch	: 2.20
WEIGHT PIPE LENGTH	: 0 FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 3161 FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 29 FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 144 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-STEADY BLOW 3" IN BUCKET.
BLOW COMMENT #2 : FINAL FLOW-BUILD TO 5" IN BUCKET STEADY BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

*RECOVERED : 160 FT OF: MUD
2% OIL-98% MUD

Total Barrels Fluid = 1.15
Total Fluid Prod Rate = 23.72 BFPD
Indicated Oil Rate = 0.47 BOPD
Indicated Wtr Rate = 2.33 BWPD

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

SET PACKER(S) : 3:25 PM

TIME STARTED OFF BOTTOM : 7:25 PM

WELL TEMPERATURE : 106

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 20

INITIAL CLOSED IN PERIOD MIN: 60

FINAL FLOW PERIOD MIN: 50

FINAL CLOSED IN PERIOD MIN: 87

FINAL HYDROSTATIC PRESSURE

(A) 1752

(B) 124 PSI TO (C) : 124

(D) 983

(E) 145 PSI TO (F) : 155

(G) 958

(H) 1704

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PENDLETON / H&C / RAMCO
RIG : BARTON-KANSAS
FIELD : ROWLEY-MURDY
WELL : #1
DATE : 11-19-87
GAUGE NO : 13759

OPERATIONAL COMMENTS

TIGHT HOLE !!

COMPANY : PENDLETON / H&C / RAMCO
WELL : #1
GAUGE # : 13759
DATE : 19/11/87

FIELD : ROWLEY-MURDY
JOB # : 12002
DEPTH : 3451
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	124.000	106.00	0.000
2	3:29:59	0.083	124.000	106.00	0.000
3	3:35: 0	0.167	124.000	106.00	0.000
4	3:40: 0	0.250	124.000	106.00	0.000
5	3:44:59	0.333	124.000	106.00	0.000
6	3:47:59	0.383	136.000	106.00	12.000
7	3:50:59	0.433	177.000	106.00	41.000
8	3:53:59	0.483	275.000	106.00	98.000
9	3:56:59	0.533	423.000	106.00	148.000
10	3:59:59	0.583	584.000	106.00	161.000
11	4: 2:59	0.633	722.000	106.00	138.000
12	4: 5:59	0.683	804.000	106.00	82.000
13	4: 8:59	0.733	846.000	106.00	42.000
14	4:11:59	0.783	870.000	106.00	24.000
15	4:14:59	0.833	898.000	106.00	28.000
16	4:17:59	0.883	916.000	106.00	18.000
17	4:20:59	0.933	927.000	106.00	11.000
18	4:23:59	0.983	940.000	106.00	13.000
19	4:26:59	1.033	952.000	106.00	12.000
20	4:29:59	1.083	960.000	106.00	8.000
21	4:32:59	1.133	966.000	106.00	6.000
22	4:35:59	1.183	971.000	106.00	5.000
23	4:38:59	1.233	978.000	106.00	7.000
24	4:41:59	1.283	980.000	106.00	2.000
25	4:44:59	1.333	983.000	106.00	3.000
26	4:46: 0	1.350	145.000	106.00	-838.000
27	4:49:59	1.417	145.000	106.00	0.000
28	4:55: 0	1.500	145.000	106.00	0.000
29	4:59:59	1.583	145.000	106.00	0.000
30	5: 4:59	1.667	145.000	106.00	0.000
31	5:10: 0	1.750	145.000	106.00	0.000
32	5:14:59	1.833	147.000	106.00	2.000
33	5:19:59	1.917	149.000	106.00	2.000
34	5:25: 0	2.000	151.000	106.00	2.000
35	5:29:59	2.083	153.000	106.00	2.000
36	5:34:59	2.167	155.000	106.00	2.000
37	5:37:59	2.217	164.000	106.00	9.000
38	5:40:59	2.267	201.000	106.00	37.000
39	5:43:59	2.317	279.000	106.00	78.000
40	5:46:59	2.367	391.000	106.00	112.000
41	5:49:59	2.417	502.000	106.00	111.000
42	5:52:59	2.467	593.000	106.00	91.000
43	5:55:59	2.517	672.000	106.00	79.000
44	5:58:59	2.567	734.000	106.00	62.000
45	6: 1:59	2.617	778.000	106.00	44.000
46	6: 4:59	2.667	808.000	106.00	30.000
47	6: 7:59	2.717	834.000	106.00	26.000
48	6:10:59	2.767	854.000	106.00	20.000
49	6:13:59	2.817	870.000	106.00	16.000
50	6:16:59	2.867	882.000	106.00	12.000
51	6:19:59	2.917	891.000	106.00	9.000
52	6:22:59	2.967	901.000	106.00	10.000

COMPANY : PENDLETON / H&C / RAMCO
WELL : #1
GAUGE # : 13759
DATE : 19/11/87

FIELD : ROWLEY-MURDY
JOB # : 12002
DEPTH : 3451
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	6:25:59	3.017	910.000	106.00	9.000
54	6:28:59	3.067	916.000	106.00	6.000
55	6:31:59	3.117	924.000	106.00	8.000
56	6:34:59	3.167	927.000	106.00	3.000
57	6:37:59	3.217	932.000	106.00	5.000
58	6:40:59	3.267	936.000	106.00	4.000
59	6:43:59	3.317	940.000	106.00	4.000
60	6:46:59	3.367	944.000	106.00	4.000
61	6:49:59	3.417	946.000	106.00	2.000
62	6:52:59	3.467	949.000	106.00	3.000
63	6:55:59	3.517	952.000	106.00	3.000
64	6:58:59	3.567	955.000	106.00	3.000
65	7: 1:59	3.617	958.000	106.00	3.000

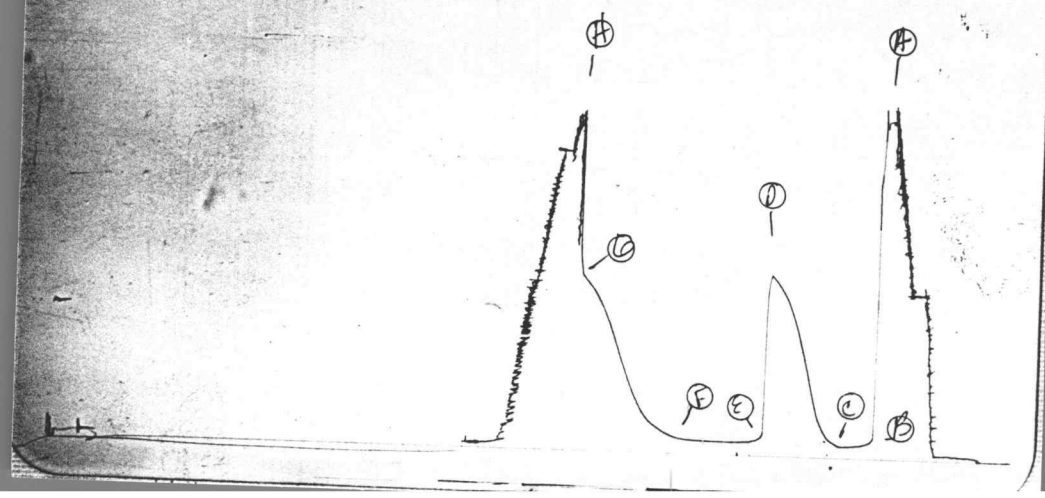
WESTERN TESTING CO. INC.

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PENKTON

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SKT # 12003
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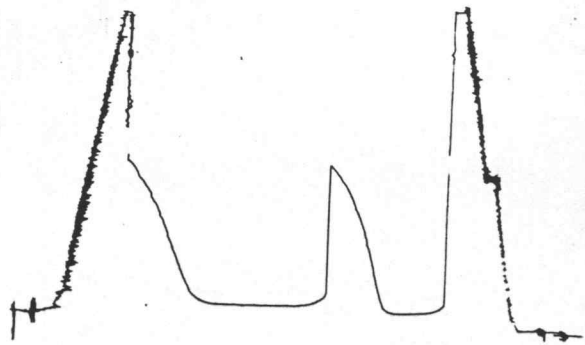


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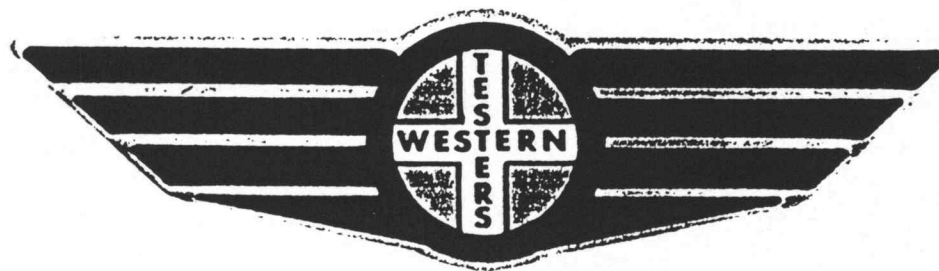
DSTB

PENDING

JK # 12003
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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. ROWLEY-MURDY #1 SEC. 8 TWP. 18S RGE. 14W TEST NO. 3 DATE 11-20-87
H&C OIL AND RAMCO

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	11-20-87	TICKET	:	12003
CUSTOMER	:	PENDLETON / H&C / RAMCO	LEASE	:	ROWLEY-MURDY
WELL	:	#1 TEST: 3	GEOLOGIST	:	R. SMITH
ELEVATION	:	1989 GL	FORMATION	:	ARBUCKLE
SECTION	:	8	TOWNSHIP	:	18S
RANGE	:	14W	COUNTY	:	BARTON
GAUGE SN#	:	13759	RANGE	:	3900
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3457	TO	:	3490	TOTAL DEPTH	:	3490
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3452	SIZE	:	6.75			
PACKER DEPTH	:	3457	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN RIG #1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	46
WEIGHT	:	9.2	WATER LOSS (CC)	:	8.0
CHLORIDES (PPM)	:	8000			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	414
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	117	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3311	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	29	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	33	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 SURFACE BLOW 1/2" IN BUCKET.
BLOW COMMENT #2 : FINAL FLOW-WEAK SURFACE BLOW 1/2" IN BUCKET.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 50 FT OF: OIL CUT MUD
80% MUD-20% OIL

Total Barrels Fluid = 0.24
Total Fluid Prod Rate = 4.51 BFPD
Indicated Oil Rate = 0.90 BOPD
Indicated Wtr Rate = 0.36 BWPD

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

SET PACKER(S) : 5:55 AM
WELL TEMPERATURE : 108
INITIAL HYDROSTATIC PRESSURE (A) 1695
INITIAL FLOW PERIOD MIN: 20 (B) 53 PSI TO (C) : 53
INITIAL CLOSED IN PERIOD MIN: 57 (D) 898
FINAL FLOW PERIOD MIN: 55 (E) 61 PSI TO (F) : 61
FINAL CLOSED IN PERIOD MIN: 78 (G) 859
FINAL HYDROSTATIC PRESSURE (H) 1669

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PENDLETON / H&C / RAMCO
RIG : BARTON-KANSAS
FIELD : ROWLEY-MURDY
WELL : #1
DATE : 11-20-87
GAUGE NO : 13759

OPERATIONAL COMMENTS

TIGHT HOLE !!

COMPANY : PENDLETON / H&C / RAMCO
WELL : #1
GAUGE # : 13759
DATE : 20/11/87

FIELD : ROWLEY-MURDY
JOB # : 12003
DEPTH : 3490
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	5:55: 0	0.000	53.000	108.00	0.000
2	5:59:59	0.083	53.000	108.00	0.000
3	6: 5: 0	0.167	53.000	108.00	0.000
4	6:10: 0	0.250	53.000	108.00	0.000
5	6:14:59	0.333	53.000	108.00	0.000
6	6:17:59	0.383	56.000	108.00	3.000
7	6:20:59	0.433	67.000	108.00	11.000
8	6:23:59	0.483	80.000	108.00	13.000
9	6:26:59	0.533	95.000	108.00	15.000
10	6:29:59	0.583	130.000	108.00	35.000
11	6:32:59	0.633	169.000	108.00	39.000
12	6:35:59	0.683	223.000	108.00	54.000
13	6:38:59	0.733	301.000	108.00	78.000
14	6:41:59	0.783	400.000	108.00	99.000
15	6:44:59	0.833	484.000	108.00	84.000
16	6:47:59	0.883	569.000	108.00	85.000
17	6:50:59	0.933	644.000	108.00	75.000
18	6:53:59	0.983	700.000	108.00	56.000
19	6:56:59	1.033	749.000	108.00	49.000
20	6:59:59	1.083	790.000	108.00	41.000
21	7: 2:59	1.133	827.000	108.00	37.000
22	7: 5:59	1.183	856.000	108.00	29.000
23	7: 8:59	1.233	878.000	108.00	22.000
24	7:11:59	1.283	898.000	108.00	20.000
25	7:13: 0	1.300	61.000	108.00	-837.000
26	7:16:59	1.367	61.000	108.00	0.000
27	7:22: 0	1.450	61.000	108.00	0.000
28	7:26:59	1.533	61.000	108.00	0.000
29	7:31:59	1.617	61.000	108.00	0.000
30	7:37: 0	1.700	61.000	108.00	0.000
31	7:41:59	1.783	61.000	108.00	0.000
32	7:46:59	1.867	61.000	108.00	0.000
33	7:52: 0	1.950	61.000	108.00	0.000
34	7:56:59	2.033	61.000	108.00	0.000
35	8: 1:59	2.117	61.000	108.00	0.000
36	8: 6:59	2.200	61.000	108.00	0.000
37	8: 9:59	2.250	63.000	108.00	2.000
38	8:12:59	2.300	68.000	108.00	5.000
39	8:16: 0	2.350	73.000	108.00	5.000
40	8:18:59	2.400	81.000	108.00	8.000
41	8:21:59	2.450	92.000	108.00	11.000
42	8:24:59	2.500	103.000	108.00	11.000
43	8:27:59	2.550	118.000	108.00	15.000
44	8:31: 0	2.600	131.000	108.00	13.000
45	8:33:59	2.650	149.000	108.00	18.000
46	8:36:59	2.700	169.000	108.00	20.000
47	8:39:59	2.750	198.000	108.00	29.000
48	8:42:59	2.800	239.000	108.00	41.000
49	8:46: 0	2.850	281.000	108.00	42.000
50	8:48:59	2.900	326.000	108.00	45.000
51	8:51:59	2.950	380.000	108.00	54.000
52	8:54:59	3.000	435.000	108.00	55.000

COMPANY : PENDLETON / H&C / RAMCO
WELL : #1
GAUGE # : 13759
DATE : 20/11/87

FIELD : ROWLEY-MURDY
JOB # : 12003
DEPTH : 3490
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	8:57:59	3.050	494.000	108.00	59.000
54	9: 1: 0	3.100	553.000	108.00	59.000
55	9: 3:59	3.150	606.000	108.00	53.000
56	9: 6:59	3.200	656.000	108.00	50.000
57	9: 9:59	3.250	699.000	108.00	43.000
58	9:12:59	3.300	738.000	108.00	39.000
59	9:16: 0	3.350	776.000	108.00	38.000
60	9:19: 0	3.400	804.000	108.00	28.000
61	9:22: 0	3.450	830.000	108.00	26.000
62	9:25: 0	3.500	859.000	108.00	29.000

WESTERN TESTING CO. INC.

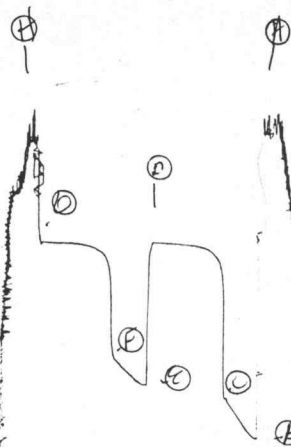
13759

DST 4

12/12/04

PENDETON

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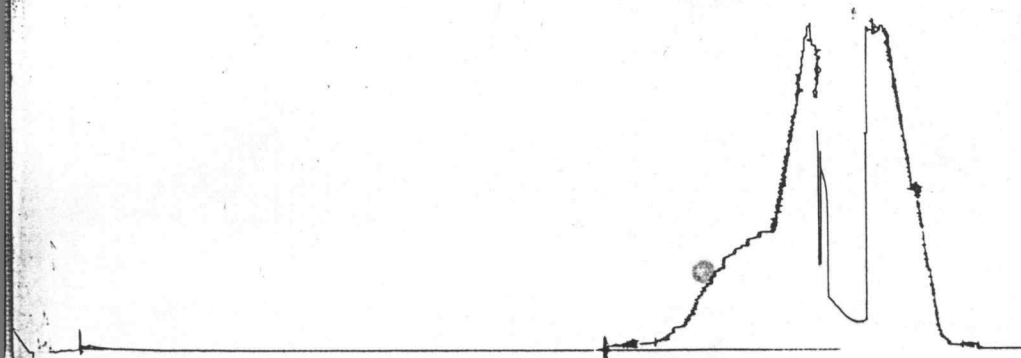


13551

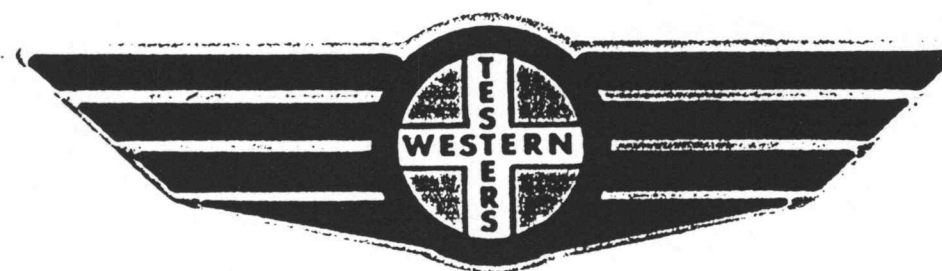
Pendeton

DST 4

Kit #12004
0



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	11-20-87	TICKET	:	12004
CUSTOMER	:	PENDLETON / H&C / RAMCO	LEASE	:	ROWLEY-MURDY
WELL	:	#1	TEST:	:	4
ELEVATION	:	1989 GL	GEOLOGIST	:	R. SMITH
SECTION	:	8	FORMATION	:	ARBUCKLE
RANGE	:	14W	TOWNSHIP	:	18S
GAUGE SN#	:	13759	STATE	:	KANSAS
		COUNTY :	CLOCK	:	12
		RANGE :			
		3900			

INTERVAL FROM	:	3490	TO	:	3500	TOTAL DEPTH	:	3500
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3485	SIZE	:	6.75			
PACKER DEPTH	:	3490	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN RIG#1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	43
WEIGHT	:	9.3	WATER LOSS (CC)	:	8.0
CHLORIDES (PPM)	:	8000			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	414
DID WELL FLOW ?	:		REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	117	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3344	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	29	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 FLOW-STRONG BLOW OFF BOTTOM IN 2 MINUTES.
BLOW COMMENT #2 : FINAL FLOW-STRONG BUILDING BLOW 3 1/2 MINUTES OFF
BOTTOM OF BUCKET.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 340 FT OF: CLEAN OIL 36 GRAVITY
RECOVERED : 480 FT OF: 50% OIL-25% MUD-25% WATER
RECOVERED : 540 FT OF: VERY SLIGHTLY OIL CUT WATER
LESS THAN 2% OIL

CHLORIDES: 17000 PPM

Total Barrels Fluid = 17.98
Total Fluid Prod Rate = 517.96 BFPD
Indicated Oil Rate = 220.90 BOPD
Indicated Wtr Rate = 247.25 BWPD
Corrected Oil Rate = 413.35 BOPD
Corrected Wtr Rate = 462.67 BWPD

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

SET PACKER(S) : 5:25 PM

TIME STARTED OFF BOTTOM : 8:25 PM

WELL TEMPERATURE : 114

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 25

INITIAL CLOSED IN PERIOD MIN: 57

FINAL FLOW PERIOD MIN: 25

FINAL CLOSED IN PERIOD MIN: 54

FINAL HYDROSTATIC PRESSURE

(A) 1712

(B) 126 PSI TO (C) : 326

(D) 1108

(E) 396 PSI TO (F) : 523

(G) 1106

(H) 1642

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PENDLETON / H&C / RAMCO
RIG : BARTON-KANSAS
FIELD : ROWLEY-MURDY
WELL : #1
DATE : 11-20-87
GAUGE NO : 13759

OPERATIONAL COMMENTS

TIGHT HOLE !!

COMPANY : PENDLETON / H&C / RAMCO
WELL : #1
GAUGE # : 13759
DATE : 20/11/87

FIELD : ROWLEY-MURDY
JOB # : 12004
DEPTH : 3500
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	5:25: 0	0.000	126.000	114.00	0.000
2	5:29:59	0.083	146.000	114.00	20.000
3	5:35: 0	0.167	193.000	114.00	47.000
4	5:40: 0	0.250	241.000	114.00	48.000
5	5:44:59	0.333	288.000	114.00	47.000
6	5:50: 0	0.417	326.000	114.00	38.000
7	5:53: 0	0.467	994.000	114.00	668.000
8	5:56: 0	0.517	1034.000	114.00	40.000
9	5:59: 0	0.567	1059.000	114.00	25.000
10	6: 2: 0	0.617	1072.000	114.00	13.000
11	6: 5: 0	0.667	1078.000	114.00	6.000
12	6: 8: 0	0.717	1085.000	114.00	7.000
13	6:11: 0	0.767	1090.000	114.00	5.000
14	6:14: 0	0.817	1092.000	114.00	2.000
15	6:17: 0	0.867	1094.000	114.00	2.000
16	6:20: 0	0.917	1096.000	114.00	2.000
17	6:23: 0	0.967	1098.000	114.00	2.000
18	6:26: 0	1.017	1100.000	114.00	2.000
19	6:29: 0	1.067	1102.000	114.00	2.000
20	6:32: 0	1.117	1103.000	114.00	1.000
21	6:35: 0	1.167	1104.000	114.00	1.000
22	6:38: 0	1.217	1105.000	114.00	1.000
23	6:41: 0	1.267	1106.000	114.00	1.000
24	6:44: 0	1.317	1107.000	114.00	1.000
25	6:47: 0	1.367	1108.000	114.00	1.000
26	6:48: 0	1.383	396.000	114.00	-712.000
27	6:51:59	1.450	402.000	114.00	6.000
28	6:57: 0	1.533	428.000	114.00	26.000
29	7: 2: 0	1.617	461.000	114.00	33.000
30	7: 6:59	1.700	497.000	114.00	36.000
31	7:12: 0	1.783	523.000	114.00	26.000
32	7:15: 0	1.833	935.000	114.00	412.000
33	7:18: 0	1.883	1022.000	114.00	87.000
34	7:21: 0	1.933	1055.000	114.00	33.000
35	7:24: 0	1.983	1069.000	114.00	14.000
36	7:27: 0	2.033	1080.000	114.00	11.000
37	7:30: 0	2.083	1087.000	114.00	7.000
38	7:33: 0	2.133	1092.000	114.00	5.000
39	7:36: 0	2.183	1095.000	114.00	3.000
40	7:39: 0	2.233	1099.000	114.00	4.000
41	7:42: 0	2.283	1102.000	114.00	3.000
42	7:45: 0	2.333	1102.000	114.00	0.000
43	7:48: 0	2.383	1102.000	114.00	0.000
44	7:51: 0	2.433	1102.000	114.00	0.000
45	7:54: 0	2.483	1103.000	114.00	1.000
46	7:57: 0	2.533	1103.000	114.00	0.000
47	8: 0: 0	2.583	1104.000	114.00	1.000
48	8: 3: 0	2.633	1105.000	114.00	1.000
49	8: 6: 0	2.683	1106.000	114.00	1.000

WESTERN TESTING CO. INC.