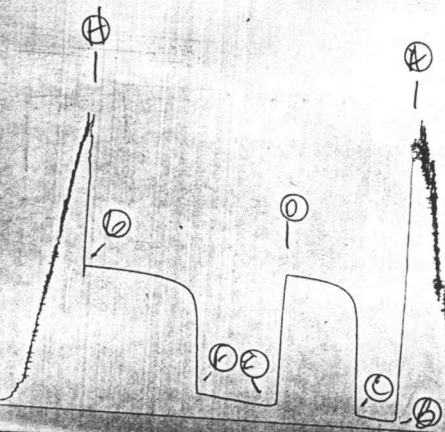


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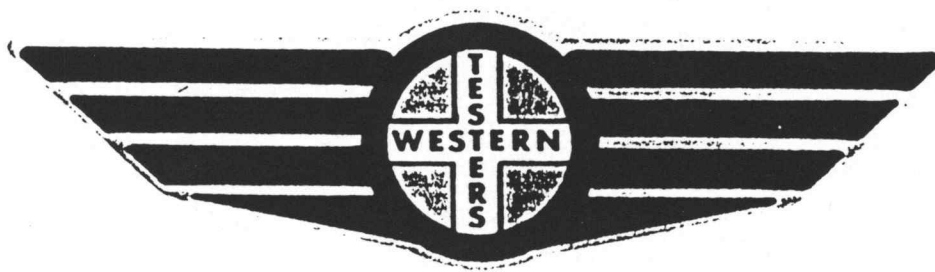
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13268

9

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 12-2-87 TICKET : 11129
CUSTOMER : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICES
WELL : #1 TEST: 1 LEASE : HEJNY
ELEVATION : NA GEOLOGIST : R. SMITH
SECTION : 7 FORMATION : LANSING
RANGE : 14W COUNTY : BARTON TOWNSHIP : 17S
GAUGE SN# : 10270 RANGE : 4150 STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3192 TO : 3290 TOTAL DEPTH : 3290
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3178 SIZE : 6.63
PACKER DEPTH : 3192 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #2
MUD TYPE : CHEMICAL VISCOSITY : 48
WEIGHT : 8.9 WATER LOSS (CC) : 8.
CHLORIDES (PPM) : 7000
JARS-MAKE : WTC SERIAL NUMBER : 421
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 : 3167 FT I.D. inch : 3.80
TEST TOOL LENGTH : 25 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 98 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : INITIAL FLOW-WEAK 1" BLOW BUILDING TO A GOOD 8" BLOW.
BLOW COMMENT #2 : FINAL FLOW-FAIR 4" BLOW THROUGHOUT.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 90 FT OF: MUDDY WATER
45% MUD-55% WATER
RECOVERED : 120 FT OF: MUDDY WATER
25% MUD-75% WATER

CHLORIDES: 52000 PPM

Total Barrels Fluid = 2.95
Total Fluid Prod Rate = 47.13 BFPD
Indicated Wtr Rate = 22.44 BWPD

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

SET PACKER(S) : 10:05 AM
WELL TEMPERATURE : 104

TIME STARTED OFF BOTTOM : 2:05 PM

INITIAL HYDROSTATIC PRESSURE	(A)	1622	
INITIAL FLOW PERIOD MIN: 30	(B)	46	PSI TO (C) : 65
INITIAL CLOSED IN PERIOD MIN: 60	(D)	804	
FINAL FLOW PERIOD MIN: 60	(E)	90	PSI TO (F) : 130
FINAL CLOSED IN PERIOD MIN: 90	(G)	787	
FINAL HYDROSTATIC PRESSURE	(H)	1566	

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

S

COMPANY : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICE

RIG : BARTON-KANSAS

FIELD : HEJNY

WELL : #1

DATE : 12-2-87

GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICES

FIELD : HEJNY

WELL : #1

JOB # : 11129

GAUGE # : 10270

DEPTH : 3290

DATE : 2/12/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	10: 5: 0	0.000	46.000	104.00	0.000
2	10: 9:59	0.083	46.000	104.00	0.000
3	10:15: 0	0.167	46.000	104.00	0.000
4	10:20: 0	0.250	50.000	104.00	4.000
5	10:24:59	0.333	56.000	104.00	6.000
6	10:30: 0	0.417	62.000	104.00	6.000
7	10:35: 0	0.500	65.000	104.00	3.000
8	10:38: 0	0.550	558.000	104.00	493.000
9	10:41: 0	0.600	666.000	104.00	108.000
10	10:44: 0	0.650	710.000	104.00	44.000
11	10:47: 0	0.700	729.000	104.00	19.000
12	10:50: 0	0.750	747.000	104.00	18.000
13	10:53: 0	0.800	757.000	104.00	10.000
14	10:56: 0	0.850	766.000	104.00	9.000
15	10:59: 0	0.900	774.000	104.00	8.000
16	11: 2: 0	0.950	779.000	104.00	5.000
17	11: 5: 0	1.000	783.000	104.00	4.000
18	11: 8: 0	1.050	786.000	104.00	3.000
19	11:11: 0	1.100	792.000	104.00	6.000
20	11:14: 0	1.150	794.000	104.00	2.000
21	11:17: 0	1.200	796.000	104.00	2.000
22	11:20: 0	1.250	799.000	104.00	3.000
23	11:23: 0	1.300	800.000	104.00	1.000
24	11:26: 0	1.350	801.000	104.00	1.000
25	11:29: 0	1.400	802.000	104.00	1.000
26	11:32: 0	1.450	803.000	104.00	1.000
27	11:35: 0	1.500	804.000	104.00	1.000
28	11:36: 0	1.517	90.000	104.00	-714.000
29	11:39:59	1.583	90.000	104.00	0.000
30	11:45: 0	1.667	90.000	104.00	0.000
31	11:50: 0	1.750	93.000	104.00	3.000
32	11:54:59	1.833	97.000	104.00	4.000
33	12: 0: 0	1.917	102.000	104.00	5.000
34	12: 5: 0	2.000	106.000	104.00	4.000
35	12: 9:59	2.083	110.000	104.00	4.000
36	12:15: 0	2.167	113.000	104.00	3.000
37	12:20: 0	2.250	119.000	104.00	6.000
38	12:24:59	2.333	125.000	104.00	6.000
39	12:30: 0	2.417	127.000	104.00	2.000
40	12:35: 0	2.500	130.000	104.00	3.000
41	12:38: 0	2.550	469.000	104.00	339.000
42	12:41: 0	2.600	615.000	104.00	146.000
43	12:44: 0	2.650	667.000	104.00	52.000
44	12:47: 0	2.700	691.000	104.00	24.000
45	12:50: 0	2.750	709.000	104.00	18.000
46	12:53: 0	2.800	719.000	104.00	10.000
47	12:56: 0	2.850	727.000	104.00	8.000
48	12:59: 0	2.900	736.000	104.00	9.000
49	13: 2: 0	2.950	739.000	104.00	3.000
50	13: 5: 0	3.000	745.000	104.00	6.000
51	13: 8: 0	3.050	751.000	104.00	6.000
52	13:11: 0	3.100	756.000	104.00	5.000

COMPANY : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICES

FIELD : HEJNY .

WELL : #1

JOB # : 11129

GAUGE # : 10270

DEPTH : 3290

DATE : 2/12/87

TEST :

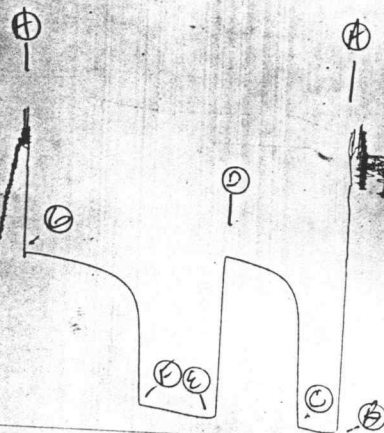
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	13:14: 0	3.150	758.000	104.00	2.000
54	13:17: 0	3.200	762.000	104.00	4.000
55	13:20: 0	3.250	766.000	104.00	4.000
56	13:23: 0	3.300	768.000	104.00	2.000
57	13:26: 0	3.350	770.000	104.00	2.000
58	13:29: 0	3.400	771.000	104.00	1.000
59	13:32: 0	3.450	772.000	104.00	1.000
60	13:35: 0	3.500	773.000	104.00	1.000
61	13:38: 0	3.550	774.000	104.00	1.000
62	13:41: 0	3.600	775.000	104.00	1.000
63	13:44: 0	3.650	776.000	104.00	1.000
64	13:47: 0	3.700	778.000	104.00	2.000
65	13:50: 0	3.750	780.000	104.00	2.000
66	13:53: 0	3.800	782.000	104.00	2.000
67	13:56: 0	3.850	784.000	104.00	2.000
68	13:59: 0	3.900	785.000	104.00	1.000
69	14: 2: 0	3.950	786.000	104.00	1.000
70	14: 5: 0	4.000	787.000	104.00	1.000

WESTERN TESTING CO. INC.

Sta # 11130

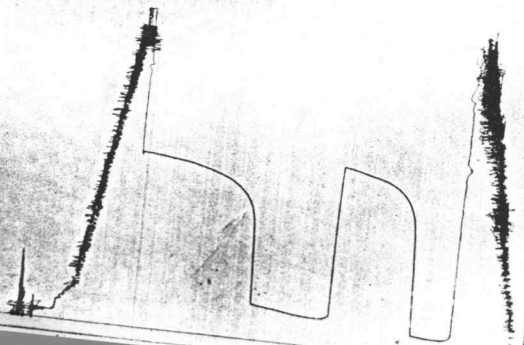
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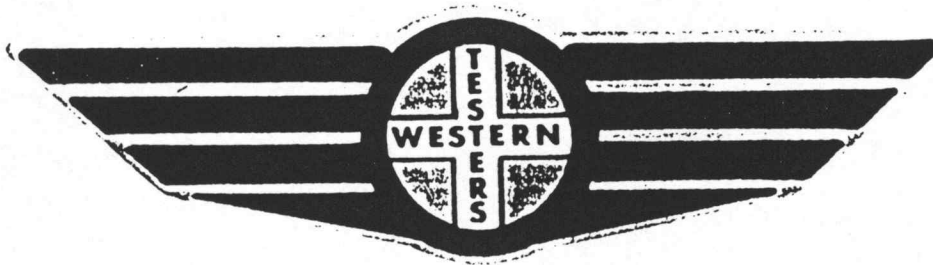


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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY.

DATE : 12-3-87 TICKET : 11130
CUSTOMER : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICES
WELL : #1 TEST: 2 LEASE : HEJNY
ELEVATION : NA GEOLOGIST : R. SMITH
SECTION : 7 FORMATION : LANSING/KC
RANGE : 14W COUNTY : BARTON TOWNSHIP : 17S
GAUGE SN# : 10270 RANGE : 4150 STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3307 TO : 3415 TOTAL DEPTH : 3415
DEPTH OF SELECTIVE ZONE :

PACKER DEPTH : 3302 SIZE : 6.63
PACKER DEPTH : 3307 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #2
MUD TYPE : CHEMICAL VISCOSITY : 52
WEIGHT : 9.2 WATER LOSS (CC) : 8
CHLORIDES (PPM) : 7000
JARS-MAKE : WTC SERIAL NUMBER : 421
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 : 3282 FT I.D. inch : 3.80
TEST TOOL LENGTH : 25 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 108 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : INITIAL FLOW-WEAK 1" BLOW BUILDING TO A GOOD 6" BLOW.
BLOW COMMENT #2 : FINAL FLOW-FAIR 4" BLOW THROUGHOUT.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 90 FT OF: WATER CUT MUD
45% WATER-55% MUD / WITH SHOW OF OIL
RECOVERED : 180 FT OF: MUDDY WATER
28% MUD-72% WATER

CHLORIDES: 54000 PPM

Total Barrels Fluid = 3.79
Total Fluid Prod Rate = 64.16 BFPD
Indicated Wtr Rate = 42.77 BHPD

REMARK 1 :
REMARK 2 : RECOVERED 90 FEET OF GAS ABOVE FLUID.
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	5:00 AM	TIME STARTED OFF BOTTOM :	9:00 AM
WELL TEMPERATURE :	104		
INITIAL HYDROSTATIC PRESSURE		(A)	1673
INITIAL FLOW PERIOD MIN:	30	(B)	45 PSI TO (C) : 64
INITIAL CLOSED IN PERIOD MIN:	63	(D)	974
FINAL FLOW PERIOD MIN:	55	(E)	96 PSI TO (F) : 148
FINAL CLOSED IN PERIOD MIN:	90	(G)	944
FINAL HYDROSTATIC PRESSURE		(H)	1604

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

S

COMPANY : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICE

RIG : BARTON-KANSAS

FIELD : HEJNY

WELL : #1

DATE : 12-3-87

GAUGE NO : 10270

OPERATIONAL COMMENTS

RECOVERED 90 FEET OF GAS ABOVE FLUID.

COMPANY : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICES

WELL : #1
GAUGE # : 10270
DATE : 3/12/87

FIELD : HEJNY
JOB # : 11130
DEPTH : 3415
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	5: 0: 0	0.000	45.000	104.00	0.000
2	5: 4: 59	0.083	45.000	104.00	0.000
3	5:10: 0	0.167	45.000	104.00	0.000
4	5:15: 0	0.250	47.000	104.00	2.000
5	5:19:59	0.333	54.000	104.00	7.000
6	5:25: 0	0.417	60.000	104.00	6.000
7	5:30: 0	0.500	64.000	104.00	4.000
8	5:33: 0	0.550	372.000	104.00	308.000
9	5:36: 0	0.600	656.000	104.00	284.000
10	5:39: 0	0.650	764.000	104.00	108.000
11	5:42: 0	0.700	809.000	104.00	45.000
12	5:45: 0	0.750	840.000	104.00	31.000
13	5:48: 0	0.800	863.000	104.00	23.000
14	5:51: 0	0.850	879.000	104.00	16.000
15	5:54: 0	0.900	892.000	104.00	13.000
16	5:57: 0	0.950	901.000	104.00	9.000
17	6: 0: 0	1.000	913.000	104.00	12.000
18	6: 2: 59	1.050	920.000	104.00	7.000
19	6: 6: 0	1.100	925.000	104.00	5.000
20	6: 9: 0	1.150	932.000	104.00	7.000
21	6:12: 0	1.200	939.000	104.00	7.000
22	6:15: 0	1.250	944.000	104.00	5.000
23	6:18: 0	1.300	950.000	104.00	6.000
24	6:21: 0	1.350	957.000	104.00	7.000
25	6:24: 0	1.400	962.000	104.00	5.000
26	6:27: 0	1.450	966.000	104.00	4.000
27	6:30: 0	1.500	968.000	104.00	2.000
28	6:33: 0	1.550	974.000	104.00	6.000
29	6:34: 0	1.567	96.000	104.00	-878.000
30	6:37:59	1.633	96.000	104.00	0.000
31	6:43: 0	1.717	96.000	104.00	0.000
32	6:48: 0	1.800	99.000	104.00	3.000
33	6:52:59	1.883	105.000	104.00	6.000
34	6:58: 0	1.967	112.000	104.00	7.000
35	7: 3: 0	2.050	119.000	104.00	7.000
36	7: 7: 59	2.133	125.000	104.00	6.000
37	7:13: 0	2.217	132.000	104.00	7.000
38	7:18: 0	2.300	138.000	104.00	6.000
39	7:22:59	2.383	143.000	104.00	5.000
40	7:28: 0	2.467	148.000	104.00	5.000
41	7:31: 0	2.517	504.000	104.00	356.000
42	7:34: 0	2.567	679.000	104.00	175.000
43	7:37: 0	2.617	732.000	104.00	53.000
44	7:40: 0	2.667	769.000	104.00	37.000
45	7:43: 0	2.717	794.000	104.00	25.000
46	7:46: 0	2.767	813.000	104.00	19.000
47	7:49: 0	2.817	827.000	104.00	14.000
48	7:52: 0	2.867	843.000	104.00	16.000
49	7:55: 0	2.917	849.000	104.00	6.000
50	7:58: 0	2.967	862.000	104.00	13.000
51	8: 1: 0	3.017	868.000	104.00	6.000
52	8: 4: 0	3.067	875.000	104.00	7.000

COMPANY : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICES

FIELD : HEJNY

WELL : #1

JOB # : 11130

GAUGE # : 10270

DEPTH : 3415

DATE : 3/12/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P $P_i - P(i-1)$
53	8: 7: 0	3.117	882.000	104.00	7.000
54	8:10: 0	3.167	887.000	104.00	5.000
55	8:13: 0	3.217	894.000	104.00	7.000
56	8:16: 0	3.267	899.000	104.00	5.000
57	8:19: 0	3.317	904.000	104.00	5.000
58	8:22: 0	3.367	908.000	104.00	4.000
59	8:25: 0	3.417	912.000	104.00	4.000
60	8:28: 0	3.467	916.000	104.00	4.000
61	8:31: 0	3.517	920.000	104.00	4.000
62	8:34: 0	3.567	923.000	104.00	3.000
63	8:37: 0	3.617	927.000	104.00	4.000
64	8:40: 0	3.667	929.000	104.00	2.000
65	8:43: 0	3.717	934.000	104.00	5.000
66	8:46: 0	3.767	936.000	104.00	2.000
67	8:49: 0	3.817	941.000	104.00	5.000
68	8:52: 0	3.867	942.000	104.00	1.000
69	8:55: 0	3.917	943.000	104.00	1.000
70	8:58: 0	3.967	944.000	104.00	1.000

WESTERN TESTING CO. INC.

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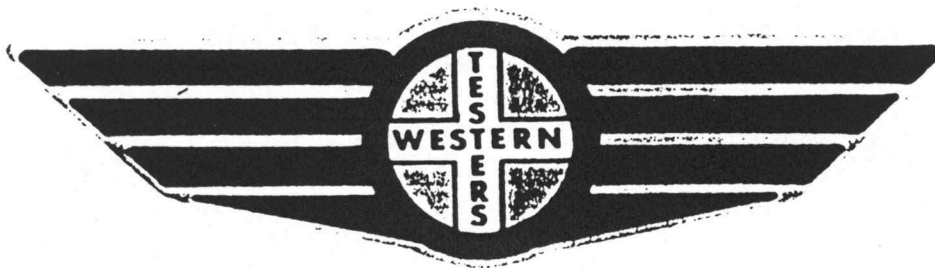


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13268



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

RECOVERED : 840 FT OF: MUD

Total Barrels Fluid = 11.78
Total Fluid Prod Rate = 0.00 BFPD

REMARK 1 : MISRUN: PACKER FAILURE.
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:40 PM

TIME STARTED OFF BOTTOM : 6:55 PM

WELL TEMPERATURE : 0

INITIAL HYDROSTATIC PRESSURE

(A) 1722

INITIAL FLOW PERIOD MIN: 0

(B) 0 PSI TO (C) : 0

INITIAL CLOSED IN PERIOD MIN: 0

(D) 0

FINAL FLOW PERIOD MIN: 0

(E) 0 PSI TO (F) : 0

FINAL CLOSED IN PERIOD MIN: 0

(G) 0

FINAL HYDROSTATIC PRESSURE

(H) 1700

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 12-3-87 TICKET : 11131
CUSTOMER : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICE
WELL : #1 TEST: 3 LEASE : HEJNY
ELEVATION : NA GEOLOGIST : R. SMITH
SECTION : 7 FORMATION : ARBUCKLE
RANGE : 14W COUNTY : BARTON TOWNSHIP : 17S
GAUGE SN# : 10270 RANGE : 4150 STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3390 TO : 3440 TOTAL DEPTH : 3440

DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3385 SIZE : 6.63
PACKER DEPTH : 3390 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #2
MUD TYPE : CHEMICAL VISCOSITY : 38
WEIGHT : 9.1 WATER LOSS (CC) : 16.8
CHLORIDES (PPM) : 13500
JARS-MAKE : WTC SERIAL NUMBER : 421
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 : 3365 FT I.D. inch : 3.80
TEST TOOL LENGTH : 25 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 50 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 :
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

2K # 11132

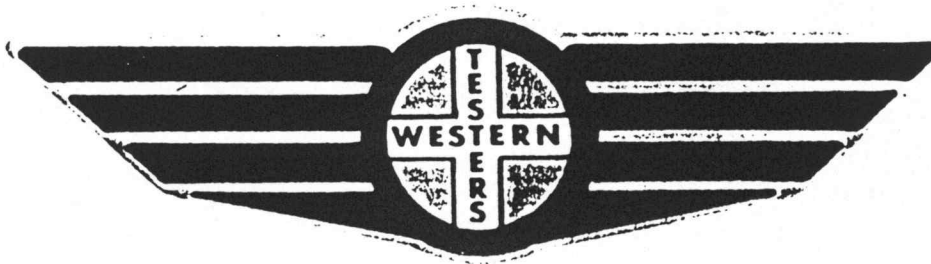
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2K #1132
0

05774
13268

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

RECOVERED . : 150 FT OF: MUD

Total Barrels Fluid = 2.10
Total Fluid Prod Rate = 0.00 BFPD

REMARK 1 : MISRUN: PACKER FAILURE- NO PRESSURES AVAILABLE.
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) :

TIME STARTED OFF BOTTOM :

WELL TEMPERATURE : 0

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 0

INITIAL CLOSED IN PERIOD MIN: 0

FINAL FLOW PERIOD MIN: 0

FINAL CLOSED IN PERIOD MIN: 0

FINAL HYDROSTATIC PRESSURE

(A) 0

(B) 0 PSI TO (C) : 0

(D) 0

(E) 0 PSI TO (F) : 0

(G) 0

(H) 0

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 12-4-87 TICKET : 11132
CUSTOMER : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICE
WELL : #1 TEST: 4 LEASE : HEJNY
ELEVATION : NA GEOLOGIST : R. SMITH
SECTION : 7 FORMATION : ARBUCKLE
RANGE : 14W COUNTY : BARTON TOWNSHIP : 17S
GAUGE SN# : 10270 RANGE : 4150 STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3437 TO : 3445 TOTAL DEPTH : 3445
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3432 SIZE : 6.63
PACKER DEPTH : 3437 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #2
MUD TYPE : CHEMICAL VISCOSITY : 46
WEIGHT : 9.2 WATER LOSS (CC) : NA
CHLORIDES (PPM) : 13500
JARS-MAKE : WTC SERIAL NUMBER : 421
DID WELL FLOW ? : REVERSED OUT ? :

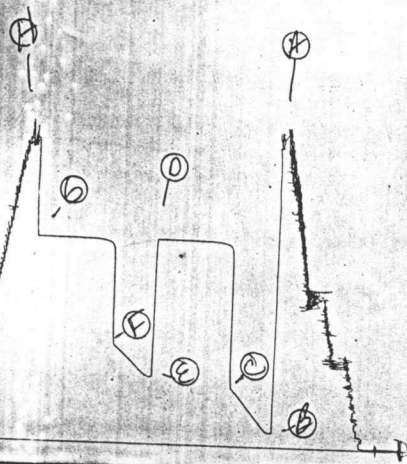
DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3412 FT I.D. inch : 3.80
TEST TOOL LENGTH : 25 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 8 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 :
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

Site # 11133

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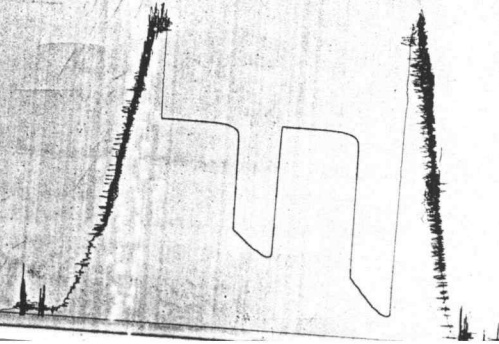
OSTH
10220



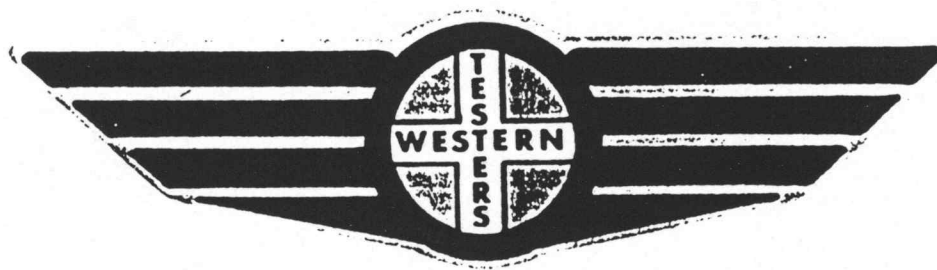
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13268
5750



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 12-4-87 TICKET : 11133
CUSTOMER : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICES
WELL : #1 TEST: 5 LEASE : HEJNY
ELEVATION : NA GEOLOGIST : R. SMITH
SECTION : 7 FORMATION : ARBUCKLE
RANGE : 14W COUNTY : BARTON TOWNSHIP : 17S
GAUGE SN# : 10270 RANGE : 4150 STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3380 TO : 3445 TOTAL DEPTH : 3445
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3375 SIZE : 6.63
PACKER DEPTH : 3380 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #2
MUD TYPE : CHEMICAL VISCOSITY : 46
WEIGHT : 9.2 WATER LOSS (CC) : NA
CHLORIDES (PPM) : 14000
JARS-MAKE : WTC SERIAL NUMBER : 421
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 : 3355 FT I.D. inch : 3.80
TEST TOOL LENGTH : 25 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 65 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : INITIAL FLOW-STRONG BLOW BOTTOM OF BUCKET IN 3 MINUTES
BLOW COMMENT #2 : FINAL FLOW-WEAK 1" BLOW THROUGHOUT.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 260 FT OF: MUDDY WATER
RECOVERED : 840 FT OF: WATER

CHLORIDES: 24000 PPM

Total Barrels Fluid = 15.43
Total Fluid Prod Rate = 370.30 BFPD
Indicated Wtr Rate = 326.53 BWPD

REMARK 1 :
REMARK 2 : SURFACE HEAD LOOSENEED CAUSING LOSS OF BLOW ON THE FINAL FLOW.
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	6:30 AM	TIME STARTED OFF BOTTOM :	9:30 AM
WELL TEMPERATURE :	110		
INITIAL HYDROSTATIC PRESSURE		(A)	1703
INITIAL FLOW PERIOD MIN:	30	(B)	74 PSI TO (C) : 306
INITIAL CLOSED IN PERIOD MIN:	60	(D)	1109
FINAL FLOW PERIOD MIN:	30	(E)	360 PSI TO (F) : 529
FINAL CLOSED IN PERIOD MIN:	60	(G)	1108
FINAL HYDROSTATIC PRESSURE		(H)	1686

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

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COMPANY : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICE

RIG : BARTON-KANSAS

FIELD : HEJNY

WELL : #1

DATE : 12-4-87

GAUGE NO : 10270

OPERATIONAL COMMENTS

SURFACE HEAD LOOSENED CAUSING LOSS OF BLOW ON THE FINAL FLOW.

COMPANY : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICES

FIELD : HEJNY

WELL : #1

JOB # : 11133

GAUGE # : 10270

DEPTH : 3445

DATE : 4/12/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6:30: 0	0.000	74.000	110.00	0.000
2	6:34:59	0.083	79.000	110.00	5.000
3	6:40: 0	0.167	120.000	110.00	41.000
4	6:45: 0	0.250	168.000	110.00	48.000
5	6:49:59	0.333	214.000	110.00	46.000
6	6:55: 0	0.417	255.000	110.00	41.000
7	7: 0: 0	0.500	306.000	110.00	51.000
8	7: 3: 0	0.550	1081.000	110.00	775.000
9	7: 6: 0	0.600	1095.000	110.00	14.000
10	7: 9: 0	0.650	1100.000	110.00	5.000
11	7:12: 0	0.700	1103.000	110.00	3.000
12	7:15: 0	0.750	1106.000	110.00	3.000
13	7:18: 0	0.800	1107.000	110.00	1.000
14	7:21: 0	0.850	1108.000	110.00	1.000
15	7:24: 0	0.900	1109.000	110.00	1.000
16	7:27: 0	0.950	1109.000	110.00	0.000
17	7:30: 0	1.000	1109.000	110.00	0.000
18	7:33: 0	1.050	1109.000	110.00	0.000
19	7:36: 0	1.100	1109.000	110.00	0.000
20	7:39: 0	1.150	1109.000	110.00	0.000
21	7:42: 0	1.200	1109.000	110.00	0.000
22	7:45: 0	1.250	1109.000	110.00	0.000
23	7:48: 0	1.300	1109.000	110.00	0.000
24	7:51: 0	1.350	1109.000	110.00	0.000
25	7:54: 0	1.400	1109.000	110.00	0.000
26	7:57: 0	1.450	1109.000	110.00	0.000
27	8: 0: 0	1.500	1109.000	110.00	0.000
28	8: 1: 0	1.517	360.000	110.00	-749.000
29	8: 4:59	1.583	367.000	110.00	7.000
30	8:10: 0	1.667	397.000	110.00	30.000
31	8:15: 0	1.750	432.000	110.00	35.000
32	8:19:59	1.833	470.000	110.00	38.000
33	8:25: 0	1.917	502.000	110.00	32.000
34	8:30: 0	2.000	529.000	110.00	27.000
35	8:33: 0	2.050	1072.000	110.00	543.000
36	8:36: 0	2.100	1093.000	110.00	21.000
37	8:39: 0	2.150	1101.000	110.00	8.000
38	8:42: 0	2.200	1105.000	110.00	4.000
39	8:45: 0	2.250	1105.000	110.00	0.000
40	8:48: 0	2.300	1106.000	110.00	1.000
41	8:51: 0	2.350	1106.000	110.00	0.000
42	8:54: 0	2.400	1107.000	110.00	1.000
43	8:57: 0	2.450	1107.000	110.00	0.000
44	9: 0: 0	2.500	1108.000	110.00	1.000
45	9: 3: 0	2.550	1108.000	110.00	0.000
46	9: 6: 0	2.600	1108.000	110.00	0.000
47	9: 9: 0	2.650	1108.000	110.00	0.000
48	9:12: 0	2.700	1108.000	110.00	0.000
49	9:15: 0	2.750	1108.000	110.00	0.000
50	9:18: 0	2.800	1108.000	110.00	0.000
51	9:21: 0	2.850	1108.000	110.00	0.000
52	9:24: 0	2.900	1108.000	110.00	0.000

COMPANY : PENDLETON LAND & EXPLOR. & RAMCO DRLG. SERVICES

FIELD : HEJNY

WELL : #1

JOB # : 11133

GAUGE # : 10270

DEPTH : 3445

DATE : 4/12/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	9:27: 0	2.950	1108.000	110.00	0.000
54	9:30: 0	3.000	1108.000	110.00	0.000

WESTERN TESTING CO. INC.