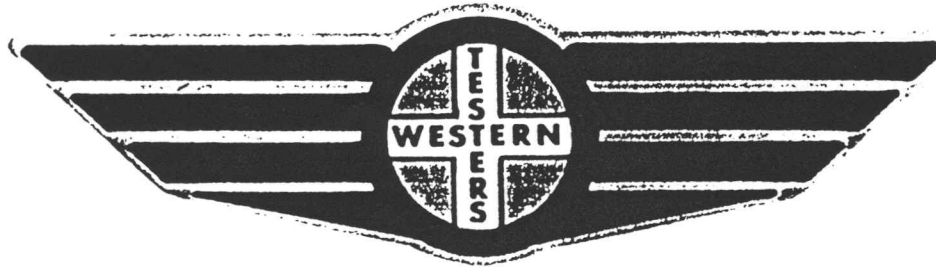


# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY AMERICAN PETROLEUM CO., INC. LEASE & WELL NO. MCENTIRE #1

SEC. 13 TWP 30S RGE. 12W TEST NO. 1 DATE 9/22/87

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 9/22/87 TICKET : 12785  
CUSTOMER : AMERICAN PETROLEUM COMPANY INC. LEASE : MCENTIRE  
WELL : 1 TEST: 1 GEOLOGIST : CLARK  
ELEVATION : 1849 KB FORMATION :  
SECTION : 13 TOWNSHIP : 30S  
RANGE : 12W COUNTY : BARBER STATE : KANSAS  
GAUGE SN# : 3659 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 2634 TO : 2665 TOTAL DEPTH : 2665

DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 2629 SIZE : 6.63  
PACKER DEPTH : 2634 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : DUKE RIG 2  
MUD TYPE : CHEMICAL VISCOSITY : 44  
WEIGHT : 8.8 WATER LOSS (CC) :  
CHLORIDES (PPM) :  
JARS-MAKE : SERIAL NUMBER :  
DID WELL FLOW ? : YES REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 281 FT I.D. inch : 2.90  
DRILL PIPE LENGTH : 2332 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 21 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 GAS TO SURFACE IMMEDIATELY.  
BLOW COMMENT #2 : FINAL FLOW PERIOD STRONG BLOW. GAS TO SURFACE  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 15 FT OF: SALTWATER

Total Barrels Fluid = 0.12  
Total Fluid Prod Rate = 1.96 BFPD  
Indicated Wtr Rate = 1.96 BWPD

REMARK 1 : TIGHT HOLE  
REMARK 2 : CHLORIDES 78000 PPM  
REMARK 3 : MIST OF WATER DURING 2ND OPENING  
REMARK 4 :

SET PACKER(S) : 3:35AM TIME STARTED OFF BOTTOM : 7:35 AM  
WELL TEMPERATURE : 95  
INITIAL HYDROSTATIC PRESSURE (A) 1291  
INITIAL FLOW PERIOD MIN: 30 (B) 604 PSI TO (C) : 578  
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1004  
FINAL FLOW PERIOD MIN: 60 (E) 588 PSI TO (F) : 575  
FINAL CLOSED IN PERIOD MIN: 90 (G) 993  
FINAL HYDROSTATIC PRESSURE (H) 1270

GAS FLOW REPORT

Date : 9-22-87	Ticket # : 12785
Customer : AMERICAN PETROLEUM CO. INC.	Lease : MCENTIRE
Well : #1                      Test : 1	Geologist : WM CLARK
Elevation (KB) : 1849              Formation : TIGHT HOLE	
Section : 13                      Township : 30S	
Range : 12W                      County : BARBER	State : KS
Gauge SN # : 3659              Range : 4000	Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
PRE FLOW				
=====				
15	WTR.REID	2"	45	5690000 CFPD
20	WTR.REID	2"	30	4260000 CFPD
25	WTR.REID	2"	20	3310000 CFPD
30	WTR.REID	2"	20	3310000 CFPD
SECOND FLOW				
=====				
15	WTR.REID	2"	20	3310000 CFPD
30	WTR.REID	2"	20	3310000 CFPD
45	WTR.REID	2"	20	3310000 CFPD
60	WTR.REID	2"	20	3310000 CFPD

Gas Bottle SN # : WTC  
 Date Bottle Filled : 9-22-87  
 Date to be Invoiced : 9-22-87

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
-----

COMPANY : AMERICAN PETROLEUM COMPANY INC.  
RIG : BARBER-KANSAS  
FIELD : MCENTIRE  
WELL : 1  
DATE : 9/22/87  
GAUGE NO : 3659

OPERATIONAL COMMENTS

TIGHT HOLE  
CHLORIDES 78000 PPM  
MIST OF WATER DURING 2ND OPENING

COMPANY : AMERICAN PETROLEUM COMPANY INC.

FIELD : MCENTIRE

WELL : 1

JOB # : 12785

GAUGE # : 3659

DEPTH : 2665

DATE : 22/ 9/87

TEST : TIGHT HOLE

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	604.000	95.00	0.000
2	3:39:59	0.083	594.000	95.00	-10.000
3	3:45:0	0.167	635.000	95.00	41.000
4	3:50:0	0.250	594.000	95.00	-41.000
5	3:54:59	0.333	578.000	95.00	-16.000
6	4:0:0	0.417	578.000	95.00	0.000
7	4:5:0	0.500	578.000	95.00	0.000
8	4:8:0	0.550	955.000	95.00	377.000
9	4:11:0	0.600	981.000	95.00	26.000
10	4:14:0	0.650	988.000	95.00	7.000
11	4:17:0	0.700	995.000	95.00	7.000
12	4:20:0	0.750	997.000	95.00	2.000
13	4:23:0	0.800	1000.000	95.00	3.000
14	4:26:0	0.850	1001.000	95.00	1.000
15	4:29:0	0.900	1001.000	95.00	0.000
16	4:32:0	0.950	1001.000	95.00	0.000
17	4:35:0	1.000	1001.000	95.00	0.000
18	4:38:0	1.050	1002.000	95.00	1.000
19	4:41:0	1.100	1002.000	95.00	0.000
20	4:44:0	1.150	1002.000	95.00	0.000
21	4:47:0	1.200	1003.000	95.00	1.000
22	4:50:0	1.250	1003.000	95.00	0.000
23	4:53:0	1.300	1003.000	95.00	0.000
24	4:56:0	1.350	1004.000	95.00	1.000
25	4:59:0	1.400	1004.000	95.00	0.000
26	5:2:0	1.450	1004.000	95.00	0.000
27	5:5:0	1.500	1004.000	95.00	0.000
28	5:6:0	1.517	588.000	95.00	-416.000
29	5:9:59	1.583	588.000	95.00	0.000
30	5:15:0	1.667	588.000	95.00	0.000
31	5:20:0	1.750	588.000	95.00	0.000
32	5:24:59	1.833	588.000	95.00	0.000
33	5:30:0	1.917	588.000	95.00	0.000
34	5:35:0	2.000	588.000	95.00	0.000
35	5:39:59	2.083	585.000	95.00	-3.000
36	5:45:0	2.167	581.000	95.00	-4.000
37	5:50:0	2.250	579.000	95.00	-2.000
38	5:54:59	2.333	577.000	95.00	-2.000
39	6:0:0	2.417	576.000	95.00	-1.000
40	6:5:0	2.500	575.000	95.00	-1.000
41	6:8:0	2.550	941.000	95.00	366.000
42	6:11:0	2.600	966.000	95.00	25.000
43	6:14:0	2.650	976.000	95.00	10.000
44	6:17:0	2.700	983.000	95.00	7.000
45	6:20:0	2.750	986.000	95.00	3.000
46	6:23:0	2.800	988.000	95.00	2.000
47	6:26:0	2.850	989.000	95.00	1.000
48	6:29:0	2.900	990.000	95.00	1.000
49	6:32:0	2.950	991.000	95.00	1.000
50	6:35:0	3.000	992.000	95.00	1.000
51	6:38:0	3.050	993.000	95.00	1.000
52	6:41:0	3.100	993.000	95.00	0.000

COMPANY : AMERICAN PETROLEUM COMPANY INC.

WELL : 1  
GAUGE # : 3659  
DATE : 22/ 9/87

FIELD : MCENTIRE  
JOB # : 12785  
DEPTH : 2665  
TEST : TIGHT HOLE

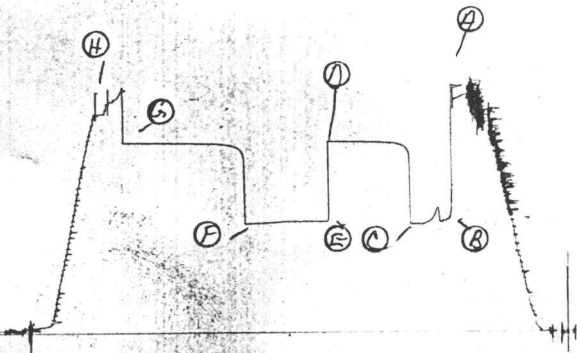
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53	6:44: 0	3.150	993.000	95.00	0.000
54	6:47: 0	3.200	993.000	95.00	0.000
55	6:50: 0	3.250	993.000	95.00	0.000
56	6:53: 0	3.300	993.000	95.00	0.000
57	6:56: 0	3.350	993.000	95.00	0.000
58	6:59: 0	3.400	993.000	95.00	0.000
59	7: 2: 0	3.450	993.000	95.00	0.000
60	7: 5: 0	3.500	993.000	95.00	0.000
61	7: 8: 0	3.550	993.000	95.00	0.000
62	7:11: 0	3.600	993.000	95.00	0.000
63	7:14: 0	3.650	993.000	95.00	0.000
64	7:17: 0	3.700	993.000	95.00	0.000
65	7:20: 0	3.750	993.000	95.00	0.000
66	7:23: 0	3.800	993.000	95.00	0.000
67	7:26: 0	3.850	993.000	95.00	0.000
68	7:29: 0	3.900	993.000	95.00	0.000
69	7:32: 0	3.950	993.000	95.00	0.000
70	7:35: 0	4.000	993.000	95.00	0.000

WESTERN TESTING CO. INC.

KA 12785.

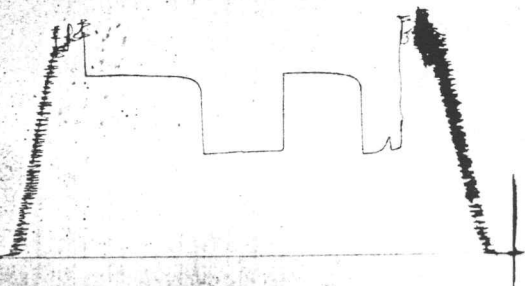
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TKT 12785  
3659 Rec



TKT 12785

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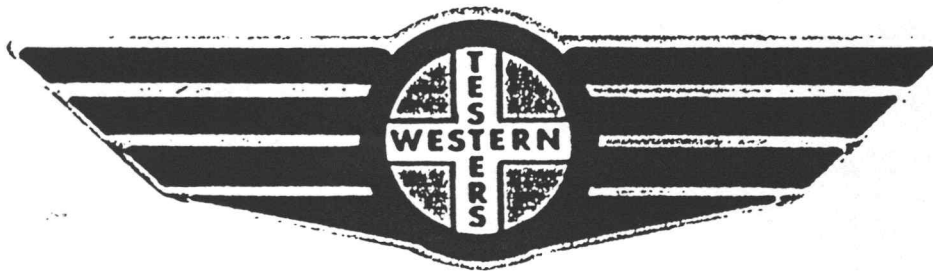


TKT# 12785

DST# 1

2608 Rec

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY AMERICAN PETROLEUM CO., INC. LEASE & WELL NO. MC ENTIRE #1 SEC. 13 TWP. 30S RGE. 12W TEST NO. 2 DATE 9-22-87

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE	: 9-22-87	TICKET	: 12786
CUSTOMER	: AMERICAN PETROLEUM CO. INC.	LEASE	: McENTIRE
WELL	: #1 TEST: 2	GEOLOGIST	: W. CLARK
ELEVATION	: 1849 KB	FORMATION	: INDIAN CAVE
SECTION	: 13	TOWNSHIP	: 30S
RANGE	: 12W COUNTY : BARBER	STATE	: KANSAS
GAUGE SN#	: 3659 RANGE : 4000	CLOCK	: 12

INTERVAL FROM	: 2753	TO	: 2825	TOTAL DEPTH	: 2825
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 2748	SIZE	: 6.63		
PACKER DEPTH	: 2753	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: DUKE RIG #2		
MUD TYPE	: CHEMICAL	VISCOSITY	: 41
WEIGHT	: 9.0	WATER LOSS (CC)	: 16.4
CHLORIDES (PPM)	: 8000		
JARS-MAKE	: -	SERIAL NUMBER	: -
DID WELL FLOW ?	: YES	REVERSED OUT ?	:

DRILL COLLAR LENGTH	: 0 FT	I.D. inch	: 0.00
WEIGHT PIPE LENGTH	: 250 FT	I.D. inch	: 2.90
DRILL PIPE LENGTH	: 2482 FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 21 FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 72 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-GAS TO SURFACE IN 5 MINUTES-SEE ATTACHED FLOW CHART. MISTY SALT WATER TO SURFACE IN 20 MINUTES.

BLOW COMMENT #2 : FINAL FLOW-MISTY SALT WATER FLOW-COULDN'T GAUGE GAS.

BLOW COMMENT #3 :

BLOW COMMENT #4 :



GAS FLOW REPORT

Date : 9-22-87 Ticket # : 12786  
Customer : AMERICAN PETROLEUM CO. INC. Lease : McENTIRE  
Well : #1 Test : 2 Geologist : W. CLARK  
Elevation (KB) : 1849 Formation : INDIAN CAVE  
Section : 13 Township : 30S  
Range : 12W County : BARBER State : KANSAS  
Gauge SN # : 3659 Range : 4000 Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
PRE FLOW				
10	MERLA	1"	10#	472000 CFPD
20			18	687000 CFPD
30			24	817000 CFPD

SECOND FLOW

MISTY SALT WATER FLOW-COULDN'T GAUGE GAS

Gas Bottle SN # : WTC 2  
Date Bottle Filled : 9-22-87  
Date to be Invoiced :

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report

COMPANY : AMERICAN PETROLEUM CO. INC.  
RIG : BARBER-KANSAS  
FIELD : McENTIRE  
WELL : #1  
DATE : 9-22-87  
GAUGE NO : 3659

OPERATIONAL COMMENTS

TIGHT HOLE !!

COMPANY : AMERICAN PETROLEUM CO. INC.  
WELL : #1  
GAUGE # : 3659  
DATE : 22/ 9/87

FIELD : McENTIRE  
JOB # : 12786  
DEPTH : 2825  
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	5:20:0	0.000	255.000	98.00	0.000
2	5:24:59	0.083	286.000	98.00	31.000
3	5:30:0	0.167	296.000	98.00	10.000
4	5:35:0	0.250	366.000	98.00	70.000
5	5:39:59	0.333	383.000	98.00	17.000
6	5:45:0	0.417	427.000	98.00	44.000
7	5:50:0	0.500	439.000	98.00	12.000
8	5:54:59	0.583	443.000	98.00	4.000
9	5:57:59	0.633	910.000	98.00	467.000
10	6:0:59	0.683	954.000	98.00	44.000
11	6:3:59	0.733	966.000	98.00	12.000
12	6:6:59	0.783	978.000	98.00	12.000
13	6:9:59	0.833	985.000	98.00	7.000
14	6:12:59	0.883	990.000	98.00	5.000
15	6:15:59	0.933	992.000	98.00	2.000
16	6:18:59	0.983	995.000	98.00	3.000
17	6:21:59	1.033	997.000	98.00	2.000
18	6:24:59	1.083	990.000	98.00	-7.000
19	6:27:59	1.133	1001.000	98.00	11.000
20	6:30:59	1.183	1003.000	98.00	2.000
21	6:33:59	1.233	1003.000	98.00	0.000
22	6:36:59	1.283	1004.000	98.00	1.000
23	6:39:59	1.333	1005.000	98.00	1.000
24	6:42:59	1.383	1005.000	98.00	0.000
25	6:45:59	1.433	1005.000	98.00	0.000
26	6:48:59	1.483	1006.000	98.00	1.000
27	6:51:59	1.533	1006.000	98.00	0.000
28	6:54:59	1.583	1007.000	98.00	1.000
29	6:57:59	1.633	1008.000	98.00	1.000
30	6:59:0	1.650	381.000	98.00	-627.000
31	7:2:59	1.717	442.000	98.00	61.000
32	7:8:0	1.800	444.000	98.00	2.000
33	7:12:59	1.883	446.000	98.00	2.000
34	7:17:59	1.967	456.000	98.00	10.000
35	7:23:0	2.050	464.000	98.00	8.000
36	7:27:59	2.133	464.000	98.00	0.000
37	7:30:59	2.183	893.000	98.00	429.000
38	7:33:59	2.233	936.000	98.00	43.000
39	7:36:59	2.283	955.000	98.00	19.000
40	7:39:59	2.333	967.000	98.00	12.000
41	7:42:59	2.383	975.000	98.00	8.000
42	7:45:59	2.433	980.000	98.00	5.000
43	7:48:59	2.483	983.000	98.00	3.000
44	7:51:59	2.533	987.000	98.00	4.000
45	7:54:59	2.583	990.000	98.00	3.000
46	7:57:59	2.633	992.000	98.00	2.000
47	8:0:59	2.683	993.000	98.00	1.000
48	8:3:59	2.733	994.000	98.00	1.000
49	8:6:59	2.783	995.000	98.00	1.000
50	8:9:59	2.833	997.000	98.00	2.000
51	8:12:59	2.883	998.000	98.00	1.000
52	8:15:59	2.933	999.000	98.00	1.000

COMPANY : AMERICAN PETROLEUM CO. INC.  
WELL : #1  
GAUGE # : 3659  
DATE : 22/ 9/87

FIELD : McENTIRE  
JOB # : 12786  
DEPTH : 2825  
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	8:18:59	2.983	1000.000	98.00	1.000
54	8:21:59	3.033	1001.000	98.00	1.000
55	8:24:59	3.083	1002.000	98.00	1.000
56	8:27:59	3.133	1003.000	98.00	1.000
57	8:30:59	3.183	1004.000	98.00	1.000
58	8:33:59	3.233	1005.000	98.00	1.000
59	8:36:59	3.283	1005.000	98.00	0.000
60	8:39:59	3.333	1005.000	98.00	0.000
61	8:42:59	3.383	1005.000	98.00	0.000
62	8:45:59	3.433	1005.000	98.00	0.000
63	8:48:59	3.483	1005.000	98.00	0.000
64	8:51:59	3.533	1005.000	98.00	0.000
65	8:54:59	3.583	1005.000	98.00	0.000
66	8:57:59	3.633	1005.000	98.00	0.000
67	9: 0:59	3.683	1005.000	98.00	0.000

WESTERN TESTING CO. INC.

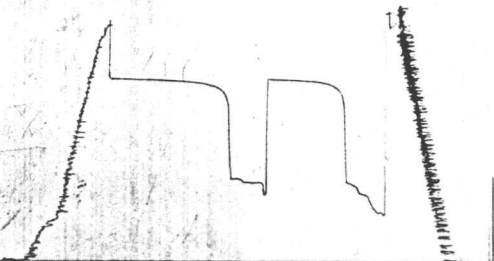
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TK-12786

OST#2

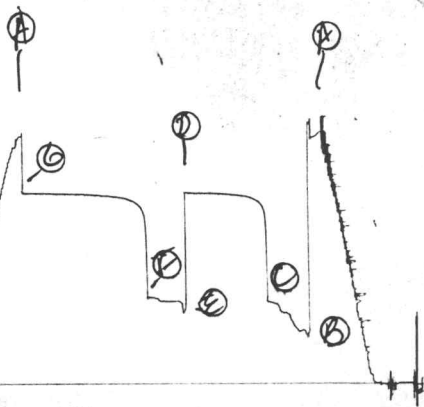
2608 Rec



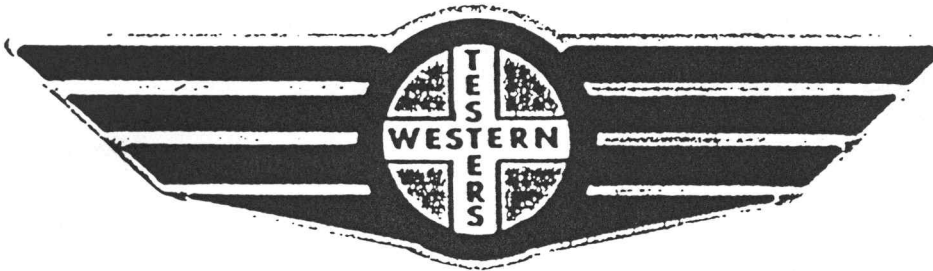
TK 12786 DST #2 8059 EOL

JK # 12786

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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

AMERICAN PETROLEUM CO., INC. LEASE & WELL NO. MC ENTIRE #1

SEC. 13 TWP. 30S RGE. 12W TEST NO. 3 DATE 9-23-87

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 9-23-87  
CUSTOMER : AMERICAN PETROLEUM CO. INC.  
WELL : #1 TEST: 3  
ELEVATION : 1948 KB  
SECTION : 13  
RANGE : 12W COUNTY : BARBER  
GAUGE SN# : 3659 RANGE : 4000  
TICKET : 12787  
LEASE : McENTIRE  
GEOLOGIST : W. CLARK  
FORMATION : TARKIO  
TOWNSHIP : 30S  
STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 2974 TO : 2985 TOTAL DEPTH : 2985  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 2969 SIZE : 6.63  
PACKER DEPTH : 2974 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : DUKE RIG #2  
MUD TYPE : CHEMICAL VISCOSITY : 39  
WEIGHT : 9.0 WATER LOSS (CC) : 20.0  
CHLORIDES (PPM) : 8000  
JARS-MAKE : - SERIAL NUMBER : -  
DID WELL FLOW ? : - REVERSED OUT ? : -

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 281 FT I.D. inch : 2.90  
DRILL PIPE LENGTH : 2668 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 25 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 11 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 DIED IN 15 MINUTES.  
BLOW COMMENT #2 : FINAL FLOW-NO BLOW-CAME OUT OF HOLE WITH TEST.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 5 FT OF: MUD

Total Barrels Fluid = 0.04  
Total Fluid Prod Rate = 1.68 BFPD  
Indicated Wtr Rate = 0.17 BWPD

REMARK 1 : MISRUN:PLUGGED TOOL  
REMARK 2 : HIT 1ST BRIDGE @ 2445'- 2ND @ 2723.  
REMARK 3 : TIGHT HOLE!!  
REMARK 4 :

SET PACKER(S) : 9:50 AM

TIME STARTED OFF BOTTOM : 11:40 AM

WELL TEMPERATURE : 97

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 15

FINAL FLOW PERIOD MIN: 5

FINAL CLOSED IN PERIOD MIN: 0

FINAL HYDROSTATIC PRESSURE

(A) 1493

(B) 49

(D) 49

(E) 49

(G) 0

(H) 1493

PSI TO (C) : 49

PSI TO (F) : 49

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
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COMPANY : AMERICAN PETROLEUM CO. INC.  
RIG : BARBER-KANSAS  
FIELD : McENTIRE  
WELL : #1  
DATE : 9-23-87  
GAUGE NO : 3659

OPERATIONAL COMMENTS

MISRUN: PLUGGED TOOL  
HIT 1ST BRIDGE @ 2445' - 2ND @ 2723.  
TIGHT HOLE!!

COMPANY : AMERICAN PETROLEUM CO. INC.  
WELL : #1  
GAUGE # : 3659  
DATE : 23/ 9/87

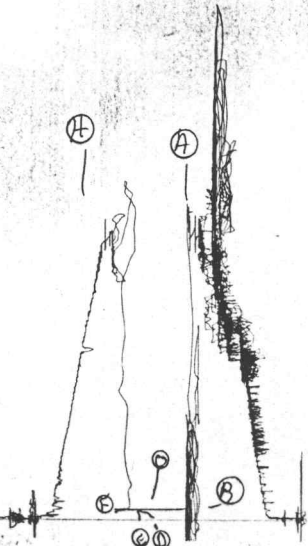
FIELD : McENTIRE  
JOB # : 12787  
DEPTH : 2985  
TEST : MISRUN:PLUGGED TOOL

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	9:50: 0	0.000	49.000	97.00	0.000
2	9:54:59	0.083	49.000	97.00	0.000
3	10: 0: 0	0.167	49.000	97.00	0.000
4	10: 5: 0	0.250	49.000	97.00	0.000
5	10: 9:59	0.333	49.000	97.00	0.000
6	10:15: 0	0.417	49.000	97.00	0.000
7	10:20: 0	0.500	49.000	97.00	0.000
8	10:23: 0	0.550	49.000	97.00	0.000
9	10:26: 0	0.600	49.000	97.00	0.000
10	10:29: 0	0.650	49.000	97.00	0.000
11	10:32: 0	0.700	49.000	97.00	0.000
12	10:35: 0	0.750	49.000	97.00	0.000
13	10:36: 0	0.767	49.000	97.00	0.000
14	10:39:59	0.833	49.000	97.00	0.000

WESTERN TESTING CO. INC.

2KT #12787

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TKT 12787

DST# 3

3659 REC

TKT 12787

DST# 3

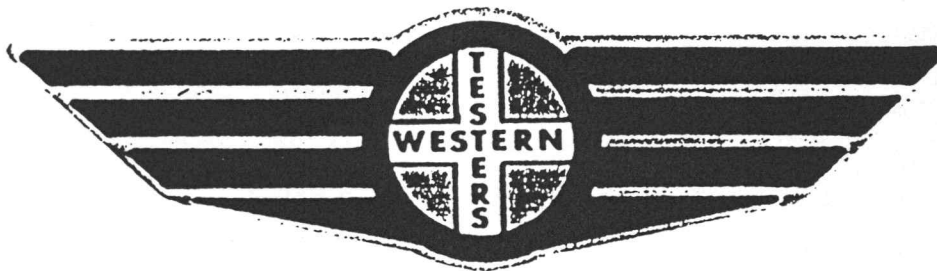
2608 Rec

TKT # 12787

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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

AMERICAN PETROLEUM CO. INC.

LEASE & WELL NO.

MCENTIRE #1

SEC 13

TWP 30S

RGE. 12W

TEST NO. 4

DATE 9/25/87

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 9-25-87  
CUSTOMER : AMERICAN PETROLEUM CO. INC.  
WELL : #1 TEST: 4  
ELEVATION : 1844 GL  
SECTION : 13  
RANGE : 12W COUNTY : BARBER  
GAUGE SN# : 4376 RANGE : 4000  
TICKET : 13416  
LEASE : McENTIRE  
GEOLOGIST : J. BARVIAS  
FORMATION : TORONTO  
TOWNSHIP : 30S  
STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 3742 TO : 3757 TOTAL DEPTH : 3757  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 3737 SIZE : 6.63  
PACKER DEPTH : 3742 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : DUKE RIG #2  
MUD TYPE : CHEMICAL VISCOSITY : 43  
WEIGHT : 9.4 WATER LOSS (CC) : 12.8  
CHLORIDES (PPM) : 10000  
JARS-MAKE : - SERIAL NUMBER :  
DID WELL FLOW ? : YES-GAS REVERSED OUT ? :

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 282 FT I.D. inch : 2.70  
DRILL PIPE LENGTH : 3438 FT I.D. inch : 0.00  
TEST TOOL LENGTH : 22 FT TOOL SIZE : 4.75  
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-STRONG BLOW GAS TO SURFACE IN 15 MINUTES.  
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW-GAS TO SURFACE.  
BLOW COMMENT #3 : SEE ATTACHED GAS FLOW CHART.  
BLOW COMMENT #4 :



GAS FLOW REPORT

Date : 9-25-87  
 Customer : AMERICAN PETROLEUM CO. INC.

Ticket # : 13416  
 Lease : McENTIRE

Well : #1 Test : 4

Geologist : J. BARVIAS

Elevation (KB) : 1849 Formation : TORONTO

Section : 13 Township : 30S

Range : 12W County : BARBER State : KANSAS

Gauge SN # : 4376 Range : 4000 Clock : 12

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

5 MINUTES	MERLA	3/4"	12 "	OF WATER 49300 CFPD
15			22	66600 CFPD

SECOND FLOW

5	MERLA	1"	22 "	OF WATER 121000 CFPD
15			11	85900 CFPD
25			10	81600 CFPD
30			9	77500 CFPD

Gas Bottle SN # : 21A  
 Date Bottle Filled : 9-25-87  
 Date to be Invoiced :

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
-----

COMPANY : AMERICAN PETROLEUM CO. INC.  
RIG : BARBER-KANSAS  
FIELD : McENTIRE  
WELL : #1  
DATE : 9-25-87  
GAUGE NO : 4376

OPERATIONAL COMMENTS

TIGHT HOLE !!

COMPANY : AMERICAN PETROLEUM CO. INC.  
 WELL : #1  
 GAUGE # : 4376  
 DATE : 25/ 9/87

FIELD : McENTIRE  
 JOB # : 13416  
 DEPTH : 3757  
 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	10:15: 0	0.000	60.000	119.00	0.000
2	10:19:59	0.083	60.000	119.00	0.000
3	10:25: 0	0.167	60.000	119.00	0.000
4	10:30: 0	0.250	60.000	119.00	0.000
5	10:34:59	0.333	64.000	119.00	4.000
6	10:40: 0	0.417	68.000	119.00	4.000
7	10:45: 0	0.500	70.000	119.00	2.000
8	10:48: 0	0.550	442.000	119.00	372.000
9	10:51: 0	0.600	830.000	119.00	388.000
10	10:54: 0	0.650	1120.000	119.00	290.000
11	10:57: 0	0.700	1298.000	119.00	178.000
12	11: 0: 0	0.750	1368.000	119.00	70.000
13	11: 3: 0	0.800	1397.000	119.00	29.000
14	11: 6: 0	0.850	1411.000	119.00	14.000
15	11: 9: 0	0.900	1421.000	119.00	10.000
16	11:12: 0	0.950	1424.000	119.00	3.000
17	11:15: 0	1.000	1427.000	119.00	3.000
18	11:18: 0	1.050	1430.000	119.00	3.000
19	11:21: 0	1.100	1432.000	119.00	2.000
20	11:24: 0	1.150	1433.000	119.00	1.000
21	11:27: 0	1.200	1435.000	119.00	2.000
22	11:30: 0	1.250	1436.000	119.00	1.000
23	11:33: 0	1.300	1437.000	119.00	1.000
24	11:36: 0	1.350	1438.000	119.00	1.000
25	11:39: 0	1.400	1439.000	119.00	1.000
26	11:42: 0	1.450	1440.000	119.00	1.000
27	11:45: 0	1.500	1440.000	119.00	0.000
28	11:48: 0	1.550	1440.000	119.00	0.000
29	11:49: 0	1.567	100.000	119.00	-1340.000
30	11:52:59	1.633	100.000	119.00	0.000
31	11:58: 0	1.717	100.000	119.00	0.000
32	12: 3: 0	1.800	100.000	119.00	0.000
33	12: 7:59	1.883	100.000	119.00	0.000
34	12:13: 0	1.967	100.000	119.00	0.000
35	12:18: 0	2.050	100.000	119.00	0.000
36	12:21: 0	2.100	443.000	119.00	343.000
37	12:23:59	2.150	819.000	119.00	376.000
38	12:27: 0	2.200	1084.000	119.00	265.000
39	12:30: 0	2.250	1250.000	119.00	166.000
40	12:33: 0	2.300	1330.000	119.00	80.000
41	12:36: 0	2.350	1366.000	119.00	36.000
42	12:38:59	2.400	1388.000	119.00	22.000
43	12:42: 0	2.450	1399.000	119.00	11.000
44	12:45: 0	2.500	1409.000	119.00	10.000
45	12:48: 0	2.550	1414.000	119.00	5.000
46	12:51: 0	2.600	1419.000	119.00	5.000
47	12:54: 0	2.650	1424.000	119.00	5.000
48	12:56:59	2.700	1427.000	119.00	3.000
49	13: 0: 0	2.750	1429.000	119.00	2.000
50	13: 3: 0	2.800	1430.000	119.00	1.000
51	13: 6: 0	2.850	1431.000	119.00	1.000
52	13: 9: 0	2.900	1432.000	119.00	1.000

COMPANY : AMERICAN PETROLEUM CO. INC.  
WELL : #1  
GAUGE # : 4376  
DATE : 25/ 9/87

FIELD : McENTIRE  
JOB # : 13416  
DEPTH : 3757  
TEST : TIGHT HOLE !!

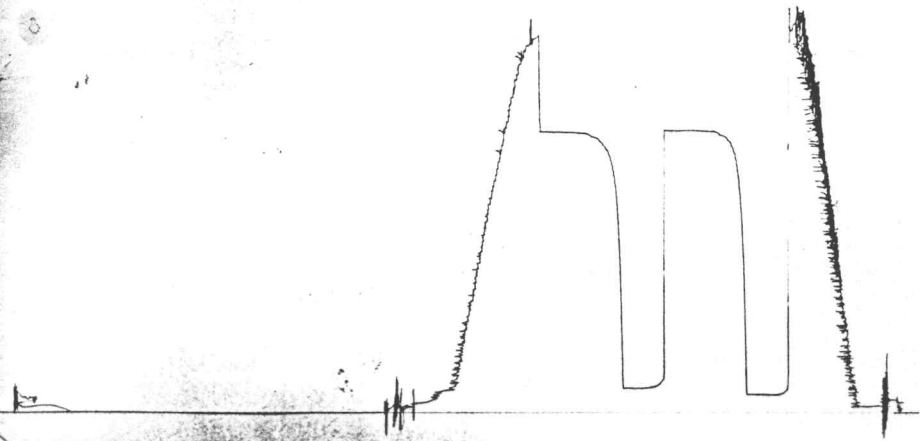
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(i-1)
53	13:11:59	2.950	1433.000	119.00	1.000
54	13:15: 0	3.000	1434.000	119.00	1.000
55	13:18: 0	3.050	1434.000	119.00	0.000
56	13:21: 0	3.100	1435.000	119.00	1.000

WESTERN TESTING CO. INC.

15759

KT 13416

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4307

TK 134/6

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