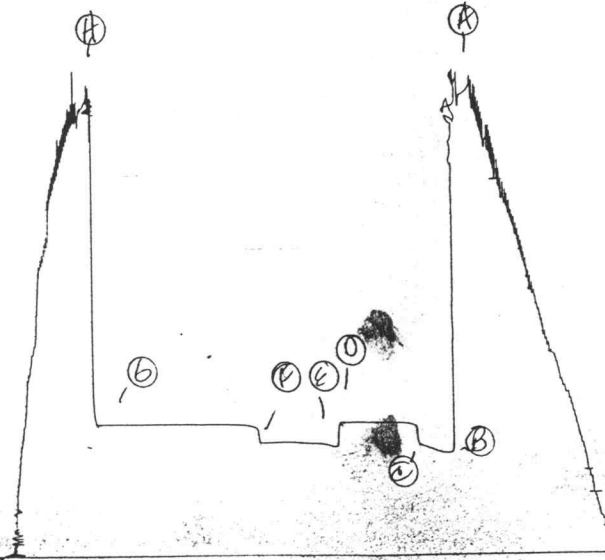


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Site # 8570

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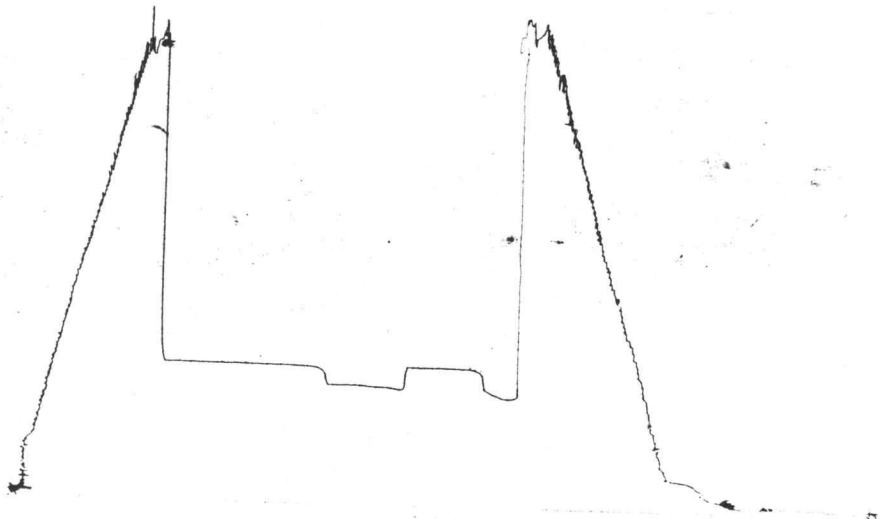


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JK #8570

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

PETROLEUM, INC.

LEASE & WELL NO.

AKERS D-1

SEC.

17

TWP.

15S

RGE.

42W

TEST NO.

1

DATE

9/8/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 9-8-87 TICKET : 8570
CUSTOMER : PETROLEUM INC LEASE : AKERS
WELL : D-1 TEST: 1 GEOLOGIST : POSEY
ELEVATION : 3923 K.B. FORMATION : MORROW
SECTION : 17 TOWNSHIP : 15S
RANGE : 42W COUNTY : WALLACE STATE : KANSAS
GAUGE SN# : 3849 RANGE : 4200 CLOCK : 12HR

INTERVAL FROM : 5100 TO : 5350 TOTAL DEPTH : 5350
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 5100 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : MURFIN DRILLING #23
MUD TYPE : CHEMICAL VISCOSITY : 52
WEIGHT : 9.2 WATER LOSS (CC) : 5.0
CHLORIDES (PPM) : 15000
JARS-MAKE : WESTERN SERIAL NUMBER : 420
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 243 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 4834 FT I.D. inch : 3.80
TEST TOOL LENGTH : 23 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 250 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 PRESSURE - GAS TO SURFACE IN 4 MIN.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 330 FT OF: FREE OIL
RECOVERED : 300 FT OF: OIL CUT WATER 2%OIL 98%WATER

Total Barrels Fluid = 6.62
Total Fluid Prod Rate = 112.20 BFPD
Indicated Oil Rate = 59.84 BOPD
Indicated Wtr Rate = 52.36 BWPD
Corrected Oil Rate = 31.27 BOPD
Corrected Wtr Rate = 27.36 BWPD

REMARK 1 :
REMARK 2 : GRAVITY OF OIL-34 DEG. CORRECTED TO 60 DEG.
REMARK 3 : 48000 CHLORIDES P.P.M.
REMARK 4 :

SET PACKER(S) : 7:20AM TIME STARTED OFF BOTTOM : 11:50AM
WELL TEMPERATURE : 148
INITIAL HYDROSTATIC PRESSURE (A) 2497
INITIAL FLOW PERIOD MIN: 25 (B) 554 PSI TO (C) : 600
INITIAL CLOSED IN PERIOD MIN: 60 (D) 724
FINAL FLOW PERIOD MIN: 60 (E) 594 PSI TO (F) : 619
FINAL CLOSED IN PERIOD MIN: 120 (G) 720
FINAL HYDROSTATIC PRESSURE (H) 2474

GAS FLOW REPORT

Date : 9-8-87 Ticket # : 8570
 Customer : PETROLEUM INC Lease : AKERS
 Well : D-1 Test : 1 Geologist : POSEY
 Elevation (KB) : 3923 Formation : MORROW
 Section : 17 Township : 15S
 Range : 42W County : WALLACE State : KANSAS
 Gauge SN # : 3849 Range : 4200 Clock : 12HR

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
			PRE FLOW =====	
4	MERLA	1"		GAS TO SURFACE
15			34	1043000 CFPD
25			36	1076000 CFPD
30			54	1466000 CFPD

SECOND FLOW
=====

COULD NOT GAUGE DUE TO LARGE VOLUME OF MUD AND OIL FLUID BLOWING OUT OF BLOW LINE

Gas Bottle SN # : 607
 Date Bottle Filled : 9-8-87
 Date to be Invoiced :

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : PETROLEUM INC
RIG : WALLACE-KANSAS
FIELD : AKERS
WELL : D-1
DATE : 9-8-87
GAUGE NO : 3849

OPERATIONAL COMMENTS

GRAVITY OF OIL-34 DEG. CORRECTED TO 60 DEG.
48000 CHLORIDES P.P.M.

COMPANY : PETROLEUM INC

WELL : D-1

GAUGE # : 3849

DATE : 8/ 9/87

FIELD : AKERS

JOB # : 8570

DEPTH : 5350

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	7:20: 0	0.000	554.000	148.00	0.000
2	7:24:59	0.083	554.000	148.00	0.000
3	7:30: 0	0.167	558.000	148.00	4.000
4	7:35: 0	0.250	571.000	148.00	13.000
5	7:39:59	0.333	583.000	148.00	12.000
6	7:45: 0	0.417	600.000	148.00	17.000
7	7:48: 0	0.467	700.000	148.00	100.000
8	7:51: 0	0.517	711.000	148.00	11.000
9	7:54: 0	0.567	713.000	148.00	2.000
10	7:57: 0	0.617	715.000	148.00	2.000
11	8: 0: 0	0.667	717.000	148.00	2.000
12	8: 3: 0	0.717	719.000	148.00	2.000
13	8: 6: 0	0.767	721.000	148.00	2.000
14	8: 9: 0	0.817	722.000	148.00	1.000
15	8:12: 0	0.867	723.000	148.00	1.000
16	8:15: 0	0.917	724.000	148.00	1.000
17	8:18: 0	0.967	724.000	148.00	0.000
18	8:21: 0	1.017	724.000	148.00	0.000
19	8:24: 0	1.067	724.000	148.00	0.000
20	8:27: 0	1.117	724.000	148.00	0.000
21	8:30: 0	1.167	724.000	148.00	0.000
22	8:33: 0	1.217	724.000	148.00	0.000
23	8:36: 0	1.267	724.000	148.00	0.000
24	8:39: 0	1.317	724.000	148.00	0.000
25	8:42: 0	1.367	724.000	148.00	0.000
26	8:45: 0	1.417	724.000	148.00	0.000
27	8:46: 0	1.433	594.000	148.00	-130.000
28	8:50: 0	1.500	594.000	148.00	0.000
29	8:55: 0	1.583	603.000	148.00	9.000
30	9: 0: 0	1.667	610.000	148.00	7.000
31	9: 5: 0	1.750	613.000	148.00	3.000
32	9:10: 0	1.833	615.000	148.00	2.000
33	9:15: 0	1.917	617.000	148.00	2.000
34	9:20: 0	2.000	618.000	148.00	1.000
35	9:25: 0	2.083	619.000	148.00	1.000
36	9:30: 0	2.167	619.000	148.00	0.000
37	9:35: 0	2.250	619.000	148.00	0.000
38	9:40: 0	2.333	619.000	148.00	0.000
39	9:45: 0	2.417	619.000	148.00	0.000
40	9:48: 0	2.467	694.000	148.00	75.000
41	9:51: 0	2.517	705.000	148.00	11.000
42	9:54: 0	2.567	711.000	148.00	6.000
43	9:57: 0	2.617	714.000	148.00	3.000
44	10: 0: 0	2.667	717.000	148.00	3.000
45	10: 3: 0	2.717	718.000	148.00	1.000
46	10: 6: 0	2.767	719.000	148.00	1.000
47	10: 9: 0	2.817	720.000	148.00	1.000
48	10:12: 0	2.867	720.000	148.00	0.000
49	10:15: 0	2.917	720.000	148.00	0.000
50	10:18: 0	2.967	720.000	148.00	0.000
51	10:21: 0	3.017	720.000	148.00	0.000
52	10:24: 0	3.067	720.000	148.00	0.000

COMPANY : PETROLEUM INC
WELL : D-1
GAUGE # : 3849
DATE : 8/ 9/87

FIELD : AKERS
JOB # : 8570
DEPTH : 5350
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	10:27: 0	3.117	720.000	148.00	0.000
54	10:30: 0	3.167	720.000	148.00	0.000
55	10:33: 0	3.217	720.000	148.00	0.000
56	10:36: 0	3.267	720.000	148.00	0.000
57	10:39: 0	3.317	720.000	148.00	0.000
58	10:42: 0	3.367	720.000	148.00	0.000
59	10:45: 0	3.417	720.000	148.00	0.000
60	10:48: 0	3.467	720.000	148.00	0.000
61	10:51: 0	3.517	720.000	148.00	0.000
62	10:54: 0	3.567	720.000	148.00	0.000
63	10:57: 0	3.617	720.000	148.00	0.000
64	11: 0: 0	3.667	720.000	148.00	0.000
65	11: 3: 0	3.717	720.000	148.00	0.000
66	11: 6: 0	3.767	720.000	148.00	0.000
67	11: 9: 0	3.817	720.000	148.00	0.000
68	11:12: 0	3.867	720.000	148.00	0.000
69	11:15: 0	3.917	720.000	148.00	0.000
70	11:18: 0	3.967	720.000	148.00	0.000
71	11:21: 0	4.017	720.000	148.00	0.000
72	11:24: 0	4.067	720.000	148.00	0.000
73	11:27: 0	4.117	720.000	148.00	0.000
74	11:30: 0	4.167	720.000	148.00	0.000
75	11:33: 0	4.217	720.000	148.00	0.000
76	11:36: 0	4.267	720.000	148.00	0.000
77	11:39: 0	4.317	720.000	148.00	0.000
78	11:42: 0	4.367	720.000	148.00	0.000
79	11:45: 0	4.417	720.000	148.00	0.000

WESTERN TESTING CO. INC.