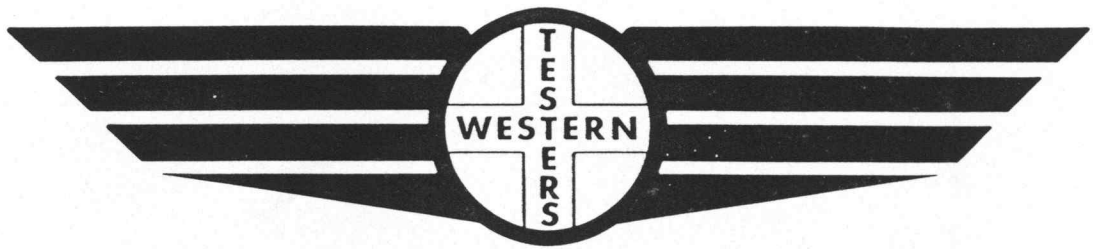


# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

SUBSURFACE PRESSURE SURVEY

DATE : 3-4-86 TICKET : 16593  
 CUSTOMER : PETROLEUM ENERGY INC. LEASE : JANSSEN  
 WELL : 1 TEST: 1 GEOLOGIST : WREATH  
 ELEVATION : 1789 FORMATION : ARBUCKLE  
 SECTION : 29 TOWNSHIP : 17S  
 RANGE : 10W COUNTY : ELLSWORTH STATE : KANSAS  
 GAUGE SN# : 1049 RANGE : 4225 CLOCK : 12

INTERVAL FROM : 3215 TO : 3259 TOTAL DEPTH : 3259  
 DEPTH OF SELECTIVE ZONE :  
 PACKER DEPTH : 3210 SIZE : 6.75  
 PACKER DEPTH : 3215 SIZE : 6.75  
 PACKER DEPTH : SIZE :  
 PACKER DEPTH : SIZE :

DRILLING CON. : WHITE & ELLIS DRLG  
 MUD TYPE : STARCH VISCOSITY : 44  
 WEIGHT : 9.6 WATER LOSS (CC) : 12.0  
 CHLORIDES (PPM) : 34000  
 JARS-MAKE : SERIAL NUMBER :  
 DID WELL FLOW ? : YES REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 330 FT I.D. inch : 2.25  
 WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
 DRILL PIPE LENGTH : 2864 FT I.D. inch : 3.80  
 TEST TOOL LENGTH : 21 FT TOOL SIZE : 5.50  
 ANCHOR LENGTH : 44 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 PERIOD FAIR BLOW INCREASED TO A  
 BLOW COMMENT #2 : VERY GOOD BLOW IN 20 MINUTES. FINAL FLOW  
 BLOW COMMENT #3 : PERIOD GOOD BLOW.  
 BLOW COMMENT #4 :

RECOVERED : 270 FT OF: GASSY OIL (GRAVITY 42). 2.61 Barrels  
 RECOVERED : 420 FT OF: GASSY MUDDY OIL. 4.06 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
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 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 Total Barrels = 6.7 Total Production = 106.8 Bpd

REMARK 1 : RECOVERED 60 FEET OF GAS ABOVE FLUID.  
 REMARK 2 :  
 REMARK 3 :  
 REMARK 4 :

SET PACKER(S) : 1:28 AM TIME STARTED OFF BOTTOM : 4:30 AM  
 WELL TEMPERATURE : 110  
 INITIAL HYDROSTATIC PRESSURE (A) 1727  
 INITIAL FLOW PERIOD MIN: 45 (B) 104 PSI TO (C) : 189  
 INITIAL CLOSED IN PERIOD MIN: 45 (D) 1005  
 FINAL FLOW PERIOD MIN: 45 (E) 251 PSI TO (F) : 281  
 FINAL CLOSED IN PERIOD MIN: 45 (G) 1002  
 FINAL HYDROSTATIC PRESSURE (H) 1697

Pressure Transient Report  
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DATA FILE.....  
COMPANY.....PETROLEUM ENERGY INC.  
DATE OF TEST.....3-4-86  
FIELD NAME.....JANSSEN  
WELL NAME.....1  
LOCATION.....ELLSWORTH-KANSAS  
JOB NUMBER.....16593  
GAUGE NUMBER.....1049  
GAUGE DEPTH.....3259

COMMENTS  
RECOVERED 60 FEET OF GAS ABOVE FLUID.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	3./4/86.	1.: 28.: 0.

COMPANY : PETROLEUM ENERGY INC. FIELD : JANSSEN

WELL : 1 JOB # : 16593

GAUGE # : 1049 DEPTH : 3259

MON/DAY : 3/ 4

PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS	ELAPSE TIME HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	1:28: 0	0	0.000	104.00	110.0	0.00	0.00
2	1:33: 0	5	0.083	104.00	110.0	0.00	0.00
3	1:38: 0	10	0.167	106.00	110.0	2.00	24.02
4	1:43: 0	15	0.250	117.00	110.0	13.00	131.94
5	1:48: 0	20	0.333	138.00	110.0	34.00	251.88
6	1:53: 0	25	0.417	155.00	110.0	51.00	204.20
7	1:58: 0	30	0.500	167.00	110.0	63.00	143.93
8	2: 3: 0	35	0.583	174.00	110.0	70.00	83.96
9	2: 8: 0	40	0.667	181.00	110.0	77.00	84.08
10	2:13: 0	45	0.750	189.00	110.0	85.00	95.95
11	2:16: 0	48	0.800	619.00	110.0	515.00	8591.61
12	2:19: 0	51	0.850	723.00	110.0	619.00	2083.05
13	2:22: 0	54	0.900	785.00	110.0	681.00	1238.79
14	2:25: 0	57	0.950	828.00	110.0	724.00	861.26
15	2:28: 0	60	1.000	860.00	110.0	756.00	639.38
16	2:31: 0	63	1.050	889.00	110.0	785.00	579.43
17	2:34: 0	66	1.100	912.00	110.0	808.00	460.67
18	2:37: 0	69	1.150	934.00	110.0	830.00	439.57
19	2:40: 0	72	1.200	950.00	110.0	846.00	320.47
20	2:43: 0	75	1.250	966.00	110.0	862.00	319.69
21	2:46: 0	78	1.300	977.00	110.0	873.00	219.79
22	2:49: 0	81	1.350	986.00	110.0	882.00	180.26
23	2:52: 0	84	1.400	993.00	110.0	889.00	139.86
24	2:55: 0	87	1.450	1000.00	110.0	896.00	140.21
25	2:58: 0	90	1.500	1005.00	110.0	901.00	99.90
26	2:59: 0	91	1.517	251.00	110.0	147.00	-45417.41
27	3: 3: 0	95	1.583	251.00	110.0	147.00	0.00
28	3: 8: 0	100	1.667	251.00	110.0	147.00	0.00
29	3:13: 0	105	1.750	251.00	110.0	147.00	0.00
30	3:18: 0	110	1.833	253.00	110.0	149.00	23.99
31	3:23: 0	115	1.917	261.00	110.0	157.00	96.09
32	3:28: 0	120	2.000	266.00	110.0	162.00	59.97
33	3:33: 0	125	2.083	272.00	110.0	168.00	71.96
34	3:38: 0	130	2.167	277.00	110.0	173.00	60.06
35	3:43: 0	135	2.250	281.00	110.0	177.00	47.98
36	3:46: 0	138	2.300	662.00	110.0	558.00	7612.57
37	3:49: 0	141	2.350	748.00	110.0	644.00	1722.52
38	3:52: 0	144	2.400	802.00	110.0	698.00	1078.95
39	3:55: 0	147	2.450	838.00	110.0	734.00	721.06
40	3:58: 0	150	2.500	866.00	110.0	762.00	559.45
41	4: 1: 0	153	2.550	890.00	110.0	786.00	479.53
42	4: 4: 0	156	2.600	911.00	110.0	807.00	420.62
43	4: 7: 0	159	2.650	926.00	110.0	822.00	299.71
44	4:10: 0	162	2.700	940.00	110.0	836.00	280.41
45	4:13: 0	165	2.750	955.00	110.0	851.00	299.71
46	4:16: 0	168	2.800	970.00	110.0	866.00	299.71
47	4:19: 0	171	2.850	982.00	110.0	878.00	240.35
48	4:22: 0	174	2.900	992.00	110.0	888.00	199.80
49	4:25: 0	177	2.950	999.00	110.0	895.00	140.21

COMPANY : PETROLEUM ENERGY INC.  
WELL : 1 JOB # : 16593  
GAUGE # : 1049 DEPTH : 3259  
MON/DAY : 3/ 4

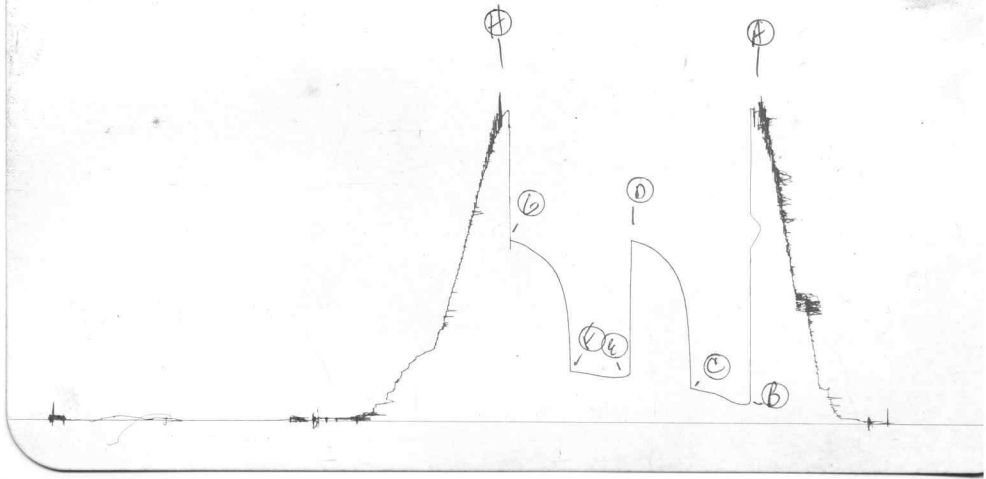
FIELD : JANSSEN

PAGE 2

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS      HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
50	4:28: 0	180      3.000	1002.00	110.0	898.00	59.94

104  
✓  
Alt # 16593

I



Alt # 16593

O

