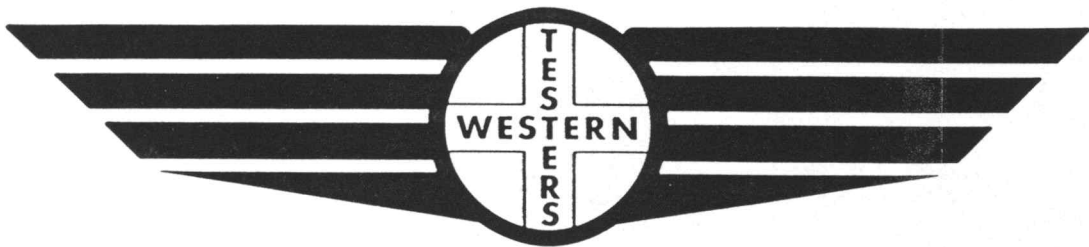


# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY K & E PETROLEUM, INC. LEASE & WELL NO. #1 HUTCHINS "A" SEC. 9 TWP. 19s RGE. 33w TEST NO. 1 DATE 2/2/86

SUBSURFACE PRESSURE SURVEY

DATE	: 2-2-86	TICKET	: 10127
CUSTOMER	: K & E PETROLEUM INC.	LEASE	: HUTCHINS "A"
WELL	: 1 TEST: 1	GEOLOGIST	: COVEY
ELEVATION	: 2960	FORMATION	: SHAWNEE-LANSING
SECTION	: 9	TOWNSHIP	: 19S
RANGE	: 33W COUNTY : SCOTT	STATE	: KANSAS
GAUGE SN#	: 6233 RANGE : 4000	CLOCK	: 12

INTERVAL FROM	: 3761	TO	: 3786	TOTAL DEPTH	: 3815
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3756	SIZE	: 6.75		
PACKER DEPTH	: 3761	SIZE	: 6.75		
PACKER DEPTH	: 3786	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: ABERCROMBIE DRLG		
MUD TYPE	: DAPAC	VISCOSITY	: 44
WEIGHT	: 9.2	WATER LOSS (CC)	: 5.6
CHLORIDES (PPM)	: 10000		
JARS-MAKE	: NO	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 0	FT		I.D. inch	: 0.00
WEIGHT PIPE LENGTH	: 574	FT		I.D. inch	: 3.20
DRILL PIPE LENGTH	: 3167	FT		I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT		TOOL SIZE	: 5.50
ANCHOR LENGTH	: 25	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 WEAK STEADY BLOW  
 BLOW COMMENT #2 : (1/4" IN WATER). FINAL FLOW PERIOD  
 BLOW COMMENT #3 : WEAK STEADY BLOW (1/8" IN WATER).  
 BLOW COMMENT #4 :

RECOVERED	: 10	FT OF:	MUD.	0.10	Barrels
RECOVERED	: 120	FT OF:	MUDDY WATER.	1.19	Barrels
RECOVERED	: 0	FT OF:	(80%WATER; 20%MUD).	0.00	Barrels
RECOVERED	: 0	FT OF:	CHLORIDES 18000 PPM.	0.00	Barrels
RECOVERED	: 0	FT OF:		0.00	Barrels
RECOVERED	: 0	FT OF:		0.00	Barrels
RECOVERED	: 0	FT OF:		0.00	Barrels
RECOVERED	: 0	FT OF:		0.00	Barrels
RECOVERED	: 0	FT OF:		0.00	Barrels
RECOVERED	: 0	FT OF:		0.00	Barrels
Total Barrels =	1.3	Total Production =		14.9	Bpd

REMARK 1 : R.W.-PIT MUD .6 AT 59 DEGREES.  
 REMARK 2 : CHLORIDES-PIT MUD 8000 PPM.  
 REMARK 3 : R.W.-REC WATER .3 AT 60 DEGREES.  
 REMARK 4 :

SET PACKER(S)	: 5:45 PM	TIME STARTED OFF BOTTOM	: 10:15 PM
WELL TEMPERATURE	: 112		
INITIAL HYDROSTATIC PRESSURE		(A)	1839
INITIAL FLOW PERIOD	MIN: 50	(B)	38
INITIAL CLOSED IN PERIOD	MIN: 57	(D)	937
FINAL FLOW PERIOD	MIN: 75	(E)	66
FINAL CLOSED IN PERIOD	MIN: 90	(G)	906
FINAL HYDROSTATIC PRESSURE		(H)	1824
		PSI TO (C)	: 50
		PSI TO (F)	: 87

Pressure Transient Report

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DATA FILE.....  
COMPANY.....K & E PETROLEUM INC.  
DATE OF TEST.....2-2-86  
FIELD NAME.....HUTCHINS "A"  
WELL NAME.....1  
LOCATION.....SCOTT-KANSAS  
JOB NUMBER.....10127  
GAUGE NUMBER.....6233  
GAUGE DEPTH.....3815

COMMENTS

R.W.-PIT MUD .6 AT 59 DEGREES.  
CHLORIDES-PIT MUD 8000 PPM.  
R.W.-REC WATER .3 AT 60 DEGREES.

START UP TIME      (mo/da/yr)      (hr:min:sec)  
                         2./2/86.            5.: 45.: 0.

COMPANY : K & E PETROLEUM INC.  
 WELL : 1 JOB # : 10127  
 GAUGE # : 6233 DEPTH : 3815  
 MON/DAY : 2/ 2

FIELD : HUTCHINS "A"

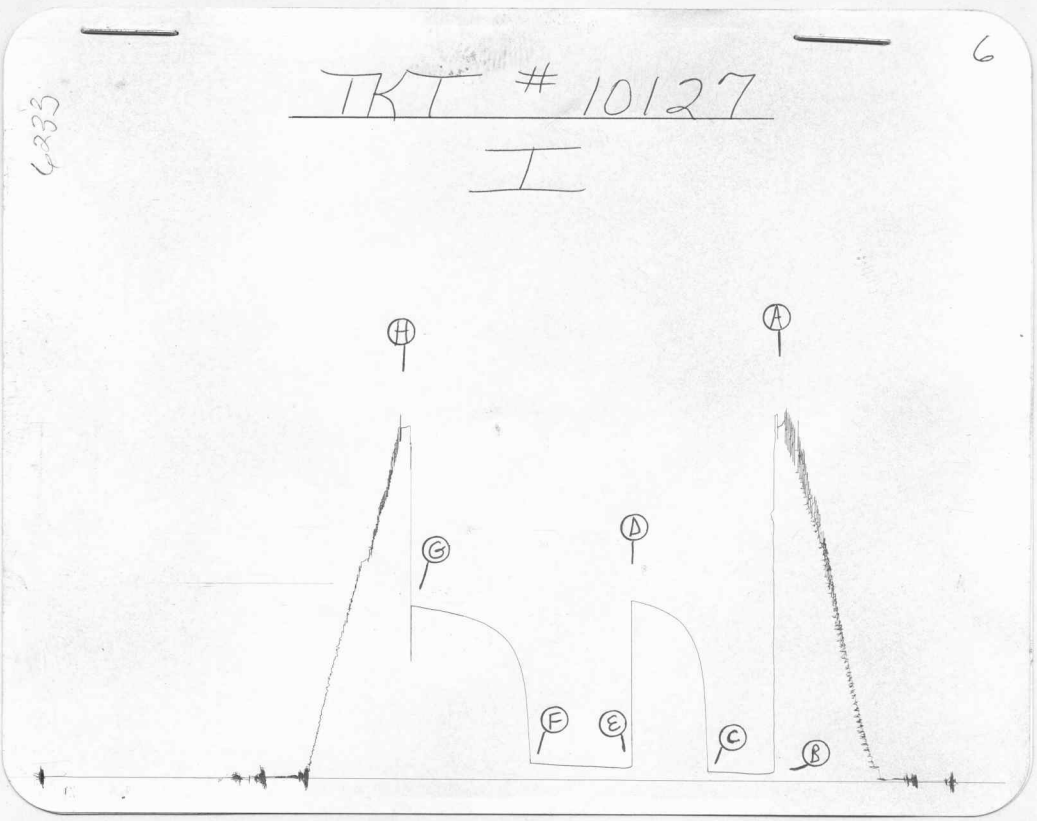
REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS	ELAPSE TIME HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	5:45: 0	0	0.000	38.00	112.0	0.00	0.00
2	5:50: 0	5	0.083	38.00	112.0	0.00	0.00
3	5:55: 0	10	0.167	38.00	112.0	0.00	0.00
4	6: 0: 0	15	0.250	39.00	112.0	1.00	12.00
5	6: 5: 0	20	0.333	40.00	112.0	2.00	12.00
6	6:10: 0	25	0.417	43.00	112.0	5.00	35.98
7	6:15: 0	30	0.500	46.00	112.0	8.00	36.01
8	6:20: 0	35	0.583	47.00	112.0	9.00	12.00
9	6:25: 0	40	0.667	48.00	112.0	10.00	11.99
10	6:30: 0	45	0.750	49.00	112.0	11.00	12.00
11	6:35: 0	50	0.833	50.00	112.0	12.00	12.00
12	6:38: 0	53	0.883	465.00	112.0	427.00	8291.90
13	6:41: 0	56	0.933	607.00	112.0	569.00	2840.69
14	6:44: 0	59	0.983	683.00	112.0	645.00	1520.37
15	6:47: 0	62	1.033	735.00	112.0	697.00	1040.25
16	6:50: 0	65	1.083	773.00	112.0	735.00	760.19
17	6:53: 0	68	1.133	805.00	112.0	767.00	639.38
18	6:56: 0	71	1.183	830.00	112.0	792.00	500.12
19	6:59: 0	74	1.233	848.00	112.0	810.00	360.09
20	7: 2: 0	77	1.283	863.00	112.0	825.00	300.07
21	7: 5: 0	80	1.333	875.00	112.0	837.00	240.06
22	7: 8: 0	83	1.383	885.00	112.0	847.00	199.80
23	7:11: 0	86	1.433	895.00	112.0	857.00	200.05
24	7:14: 0	89	1.483	905.00	112.0	867.00	200.05
25	7:17: 0	92	1.533	912.00	112.0	874.00	140.03
26	7:20: 0	95	1.583	919.00	112.0	881.00	140.03
27	7:23: 0	98	1.633	925.00	112.0	887.00	119.88
28	7:26: 0	101	1.683	930.00	112.0	892.00	100.02
29	7:29: 0	104	1.733	934.00	112.0	896.00	80.02
30	7:32: 0	107	1.783	937.00	112.0	899.00	60.01
31	7:33: 0	108	1.800	66.00	112.0	28.00	-52272.76
32	7:37: 0	112	1.867	66.00	112.0	28.00	0.00
33	7:42: 0	117	1.950	67.00	112.0	29.00	11.99
34	7:47: 0	122	2.033	68.00	112.0	30.00	12.00
35	7:52: 0	127	2.117	70.00	112.0	32.00	24.01
36	7:57: 0	132	2.200	73.00	112.0	35.00	35.98
37	8: 2: 0	137	2.283	74.00	112.0	36.00	12.00
38	8: 7: 0	142	2.367	74.00	112.0	36.00	0.00
39	8:12: 0	147	2.450	75.00	112.0	37.00	11.99
40	8:17: 0	152	2.533	76.00	112.0	38.00	12.00
41	8:22: 0	157	2.617	77.00	112.0	39.00	12.00
42	8:27: 0	162	2.700	79.00	112.0	41.00	23.99
43	8:32: 0	167	2.783	81.00	112.0	43.00	24.01
44	8:37: 0	172	2.867	83.00	112.0	45.00	24.01
45	8:42: 0	177	2.950	85.00	112.0	47.00	23.99
46	8:47: 0	182	3.033	87.00	112.0	49.00	24.01
47	8:50: 0	185	3.083	395.00	112.0	357.00	6161.50
48	8:53: 0	188	3.133	537.00	112.0	499.00	2837.23
49	8:56: 0	191	3.183	615.00	112.0	577.00	1560.38

COMPANY : K & E PETROLEUM INC.  
WELL : 1 JOB # : 10127  
GAUGE # : 6233 DEPTH : 3815  
MON/DAY : 2/ 2

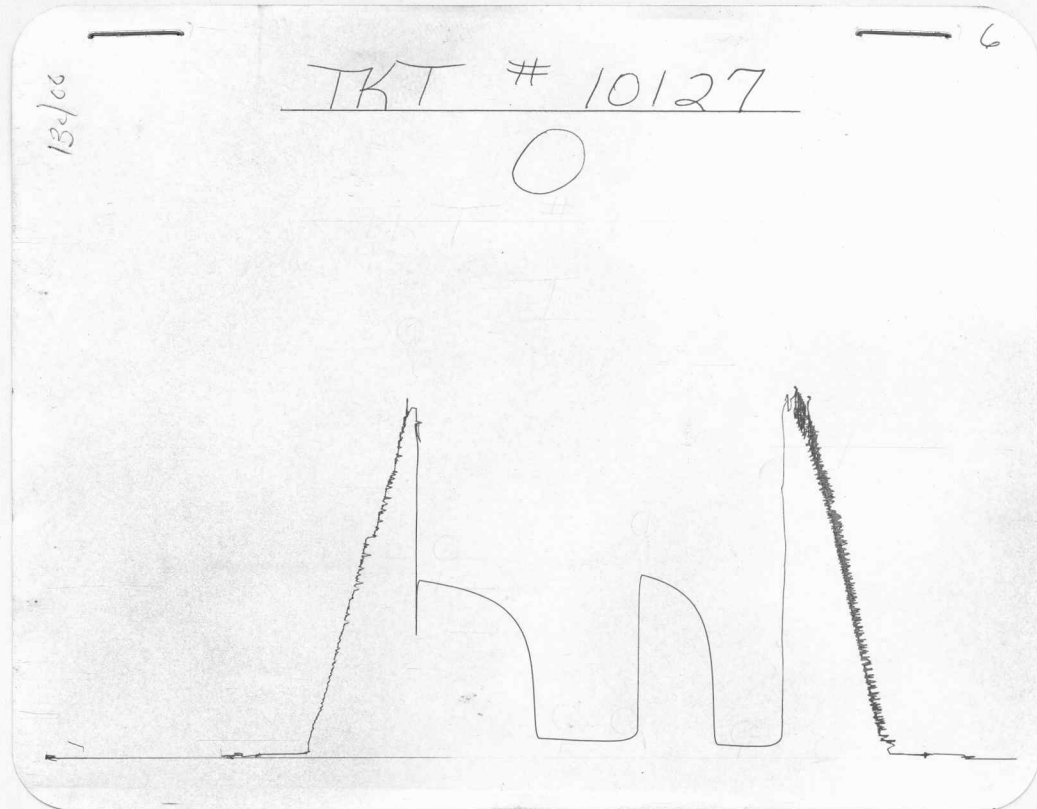
FIELD : HUTCHINS "A"

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	8:59: 0	194	3.233	664.00	112.0	626.00	980.24
51	9: 2: 0	197	3.283	703.00	112.0	665.00	780.19
52	9: 5: 0	200	3.333	731.00	112.0	693.00	560.14
53	9: 8: 0	203	3.383	752.00	112.0	714.00	419.59
54	9:11: 0	206	3.433	770.00	112.0	732.00	360.09
55	9:14: 0	209	3.483	786.00	112.0	748.00	320.08
56	9:17: 0	212	3.533	799.00	112.0	761.00	260.06
57	9:20: 0	215	3.583	812.00	112.0	774.00	260.06
58	9:23: 0	218	3.633	822.00	112.0	784.00	199.80
59	9:26: 0	221	3.683	830.00	112.0	792.00	160.04
60	9:29: 0	224	3.733	838.00	112.0	800.00	160.04
61	9:32: 0	227	3.783	846.00	112.0	808.00	160.04
62	9:35: 0	230	3.833	853.00	112.0	815.00	140.03
63	9:38: 0	233	3.883	859.00	112.0	821.00	119.88
64	9:41: 0	236	3.933	863.00	112.0	825.00	80.02
65	9:44: 0	239	3.983	867.00	112.0	829.00	80.02
66	9:47: 0	242	4.033	871.00	112.0	833.00	80.02
67	9:50: 0	245	4.083	875.00	112.0	837.00	80.02
68	9:53: 0	248	4.133	879.00	112.0	841.00	79.92
69	9:56: 0	251	4.183	883.00	112.0	845.00	80.02
70	9:59: 0	254	4.233	887.00	112.0	849.00	80.02
71	10: 2: 0	257	4.283	891.00	112.0	853.00	80.02
72	10: 5: 0	260	4.333	894.00	112.0	856.00	60.01
73	10: 8: 0	263	4.383	897.00	112.0	859.00	59.94
74	10:11: 0	266	4.433	900.00	112.0	862.00	60.01
75	10:14: 0	269	4.483	903.00	112.0	865.00	60.01
76	10:17: 0	272	4.533	906.00	112.0	868.00	60.01

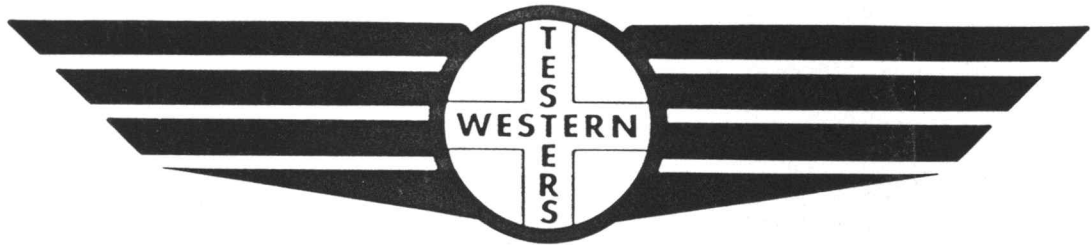


Inside Recorder



Outside Recorder

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY K & E PETROLEUM, INC. LEASE & WELL NO. #1 HUTCHINS "A" SEC. 9 TWP. 19S RGE. 33W TEST NO. 2 DATE 2/6/86

SUBSURFACE PRESSURE SURVEY

DATE : 2-6-86 TICKET : 10128  
 CUSTOMER : K & E PETROLEUM INC. LEASE : HUTCHINS "A"  
 WELL : 1 TEST: 2 GEOLOGIST : COVEY  
 ELEVATION : 2960 FORMATION : MORROW  
 SECTION : 9 TOWNSHIP : 19S  
 RANGE : 33W COUNTY : SCOTT STATE : KANSAS  
 GAUGE SN# : 6233 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 4595 TO : 4625 TOTAL DEPTH : 4625  
 DEPTH OF SELECTIVE ZONE :  
 PACKER DEPTH : 4590 SIZE : 6.75  
 PACKER DEPTH : 4595 SIZE : 6.75  
 PACKER DEPTH : SIZE :  
 PACKER DEPTH : SIZE :

DRILLING CON. : ABERCROMBIE DRLG  
 MUD TYPE : DAPAC VISCOSITY : 48  
 WEIGHT : 9.2 WATER LOSS (CC) : 5.6  
 CHLORIDES (PPM) : 10000  
 JARS-MAKE : NO SERIAL NUMBER :  
 DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
 WEIGHT PIPE LENGTH : 574 FT I.D. inch : 3.20  
 DRILL PIPE LENGTH : 4001 FT I.D. inch : 3.80  
 TEST TOOL LENGTH : 20 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 PERIOD WEAK BLOW. DIED IN  
 BLOW COMMENT #2 : 20 MINUTES. FINAL FLOW PERIOD NO BLOW.  
 BLOW COMMENT #3 :  
 BLOW COMMENT #4 :

RECOVERED : 10 FT OF: MUD. 0.10 Barrels  
 RECOVERED : 0 FT OF: CHLORIDES 6000 PPM. 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 Total Barrels = 0.1 Total Production = 1.2 Bpd

REMARK 1 : R.W.-PIT MUD-.95 AT 58 DEGREES.  
 REMARK 2 : PIT MUD-CHLORIDES 6000 PPM.  
 REMARK 3 : R.W.-REC MUD-.95 AT 58 DEGREES.  
 REMARK 4 :

SET PACKER(S) : 7:05 AM TIME STARTED OFF BOTTOM : 11:35 AM  
 WELL TEMPERATURE : 128  
 INITIAL HYDROSTATIC PRESSURE (A) 2322  
 INITIAL FLOW PERIOD MIN: 45 (B) 39 PSI TO (C) : 39  
 INITIAL CLOSED IN PERIOD MIN: 60 (D) 50  
 FINAL FLOW PERIOD MIN: 75 (E) 38 PSI TO (F) : 38  
 FINAL CLOSED IN PERIOD MIN: 90 (G) 44  
 FINAL HYDROSTATIC PRESSURE (H) 2292

Pressure Transient Report

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DATA FILE.....  
COMPANY.....K & E PETROLEUM INC.  
DATE OF TEST.....2-6-86  
FIELD NAME.....HUTCHINS "A"  
WELL NAME.....1  
LOCATION.....SCOTT-KANSAS  
JOB NUMBER.....10128  
GAUGE NUMBER.....6233  
GAUGE DEPTH.....4625

COMMENTS

R.W.-PIT MUD-.95 AT 58 DEGREES.  
PIT MUD-CHLORIDES 6000 PPM.  
R.W.-REC MUD-.95 AT 58 DEGREES.

START UP TIME      (mo/da/yr)      (hr:min:sec)  
                         2./6/86.            7.: 5.: 0.

COMPANY : K & E PETROLEUM INC.  
 WELL : 1 JOB # : 10128  
 GAUGE # : 6233 DEPTH : 4625  
 MON/DAY : 2/ 6

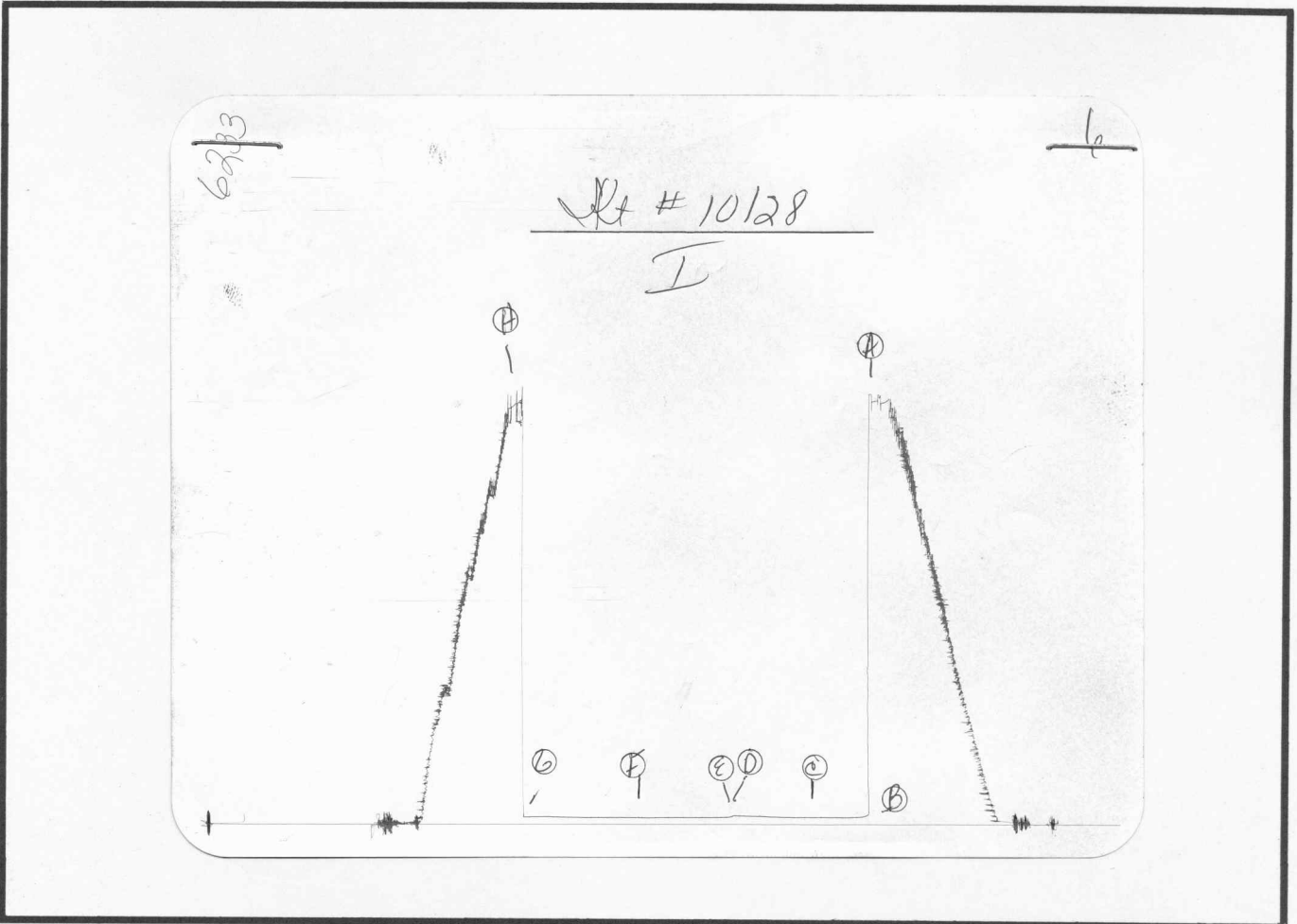
FIELD : HUTCHINS "A"

PAGE 1

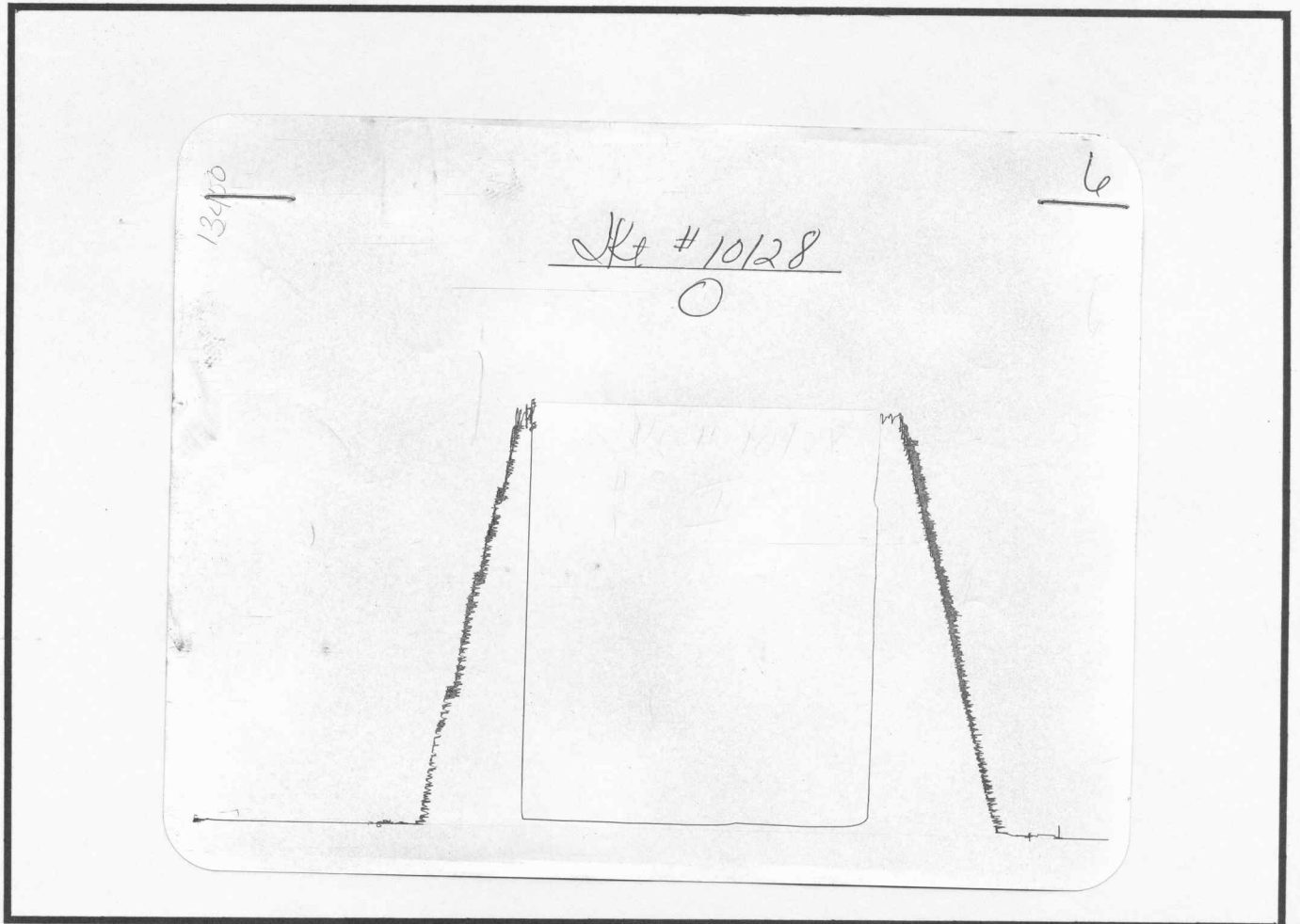
REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	7: 5: 0	0 0.000	39.00	128.0	0.00	19.98
2	7:10: 0	5 0.083	39.00	128.0	0.00	0.00
3	7:15: 0	10 0.167	39.00	128.0	0.00	0.00
4	7:20: 0	15 0.250	39.00	128.0	0.00	0.00
5	7:25: 0	20 0.333	39.00	128.0	0.00	0.00
6	7:30: 0	25 0.417	39.00	128.0	0.00	0.00
7	7:35: 0	30 0.500	39.00	128.0	0.00	0.00
8	7:40: 0	35 0.583	39.00	128.0	0.00	0.00
9	7:45: 0	40 0.667	39.00	128.0	0.00	0.00
10	7:50: 0	45 0.750	39.00	128.0	0.00	0.00
11	7:53: 0	48 0.800	40.00	128.0	1.00	19.98
12	7:56: 0	51 0.850	40.00	128.0	1.00	0.00
13	7:59: 0	54 0.900	40.00	128.0	1.00	0.00
14	8: 2: 0	57 0.950	41.00	128.0	2.00	20.00
15	8: 5: 0	60 1.000	41.00	128.0	2.00	0.00
16	8: 8: 0	63 1.050	42.00	128.0	3.00	19.98
17	8:11: 0	66 1.100	42.00	128.0	3.00	0.00
18	8:14: 0	69 1.150	43.00	128.0	4.00	20.00
19	8:17: 0	72 1.200	43.00	128.0	4.00	0.00
20	8:20: 0	75 1.250	44.00	128.0	5.00	20.00
21	8:23: 0	78 1.300	44.00	128.0	5.00	0.00
22	8:26: 0	81 1.350	45.00	128.0	6.00	20.00
23	8:29: 0	84 1.400	45.00	128.0	6.00	0.00
24	8:32: 0	87 1.450	46.00	128.0	7.00	20.00
25	8:35: 0	90 1.500	47.00	128.0	8.00	20.00
26	8:38: 0	93 1.550	48.00	128.0	9.00	19.98
27	8:41: 0	96 1.600	49.00	128.0	10.00	20.00
28	8:44: 0	99 1.650	49.00	128.0	10.00	0.00
29	8:47: 0	102 1.700	50.00	128.0	11.00	20.00
30	8:50: 0	105 1.750	50.00	128.0	11.00	0.00
31	8:51: 0	106 1.767	38.00	128.0	1.00	-720.18
32	8:55: 0	110 1.833	38.00	128.0	1.00	0.00
33	9: 0: 0	115 1.917	38.00	128.0	1.00	0.00
34	9: 5: 0	120 2.000	38.00	128.0	1.00	0.00
35	9:10: 0	125 2.083	38.00	128.0	1.00	0.00
36	9:15: 0	130 2.167	38.00	128.0	1.00	0.00
37	9:20: 0	135 2.250	38.00	128.0	1.00	0.00
38	9:25: 0	140 2.333	38.00	128.0	1.00	0.00
39	9:30: 0	145 2.417	38.00	128.0	1.00	0.00
40	9:35: 0	150 2.500	38.00	128.0	1.00	0.00
41	9:40: 0	155 2.583	38.00	128.0	1.00	0.00
42	9:45: 0	160 2.667	38.00	128.0	1.00	0.00
43	9:50: 0	165 2.750	38.00	128.0	1.00	0.00
44	9:55: 0	170 2.833	38.00	128.0	1.00	0.00
45	10: 0: 0	175 2.917	38.00	128.0	1.00	0.00
46	10: 5: 0	180 3.000	38.00	128.0	1.00	0.00
47	10: 8: 0	183 3.050	38.00	128.0	1.00	0.00
48	10:11: 0	186 3.100	38.00	128.0	1.00	0.00
49	10:14: 0	189 3.150	38.00	128.0	1.00	0.00

COMPANY : K & E PETROLEUM INC.      FIELD : HUTCHINS "A"  
 WELL : 1      JOB # : 10128  
 GAUGE # : 6233      DEPTH : 4625  
 MON/DAY : 2/ 6

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME		PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
		MINS	HOURS				
50	10:17: 0	192	3.200	38.00	128.0	1.00	0.00
51	10:20: 0	195	3.250	38.00	128.0	1.00	0.00
52	10:23: 0	198	3.300	39.00	128.0	0.00	19.98
53	10:26: 0	201	3.350	39.00	128.0	0.00	0.00
54	10:29: 0	204	3.400	39.00	128.0	0.00	0.00
55	10:32: 0	207	3.450	39.00	128.0	0.00	0.00
56	10:35: 0	210	3.500	39.00	128.0	0.00	0.00
57	10:38: 0	213	3.550	40.00	128.0	1.00	19.98
58	10:41: 0	216	3.600	40.00	128.0	1.00	0.00
59	10:44: 0	219	3.650	40.00	128.0	1.00	0.00
60	10:47: 0	222	3.700	40.00	128.0	1.00	0.00
61	10:50: 0	225	3.750	40.00	128.0	1.00	0.00
62	10:53: 0	228	3.800	41.00	128.0	2.00	19.98
63	10:56: 0	231	3.850	41.00	128.0	2.00	0.00
64	10:59: 0	234	3.900	42.00	128.0	3.00	20.00
65	11: 2: 0	237	3.950	42.00	128.0	3.00	0.00
66	11: 5: 0	240	4.000	43.00	128.0	4.00	20.00
67	11: 8: 0	243	4.050	43.00	128.0	4.00	0.00
68	11:11: 0	246	4.100	43.00	128.0	4.00	0.00
69	11:14: 0	249	4.150	43.00	128.0	4.00	0.00
70	11:17: 0	252	4.200	43.00	128.0	4.00	0.00
71	11:20: 0	255	4.250	44.00	128.0	5.00	20.00
72	11:23: 0	258	4.300	44.00	128.0	5.00	0.00
73	11:26: 0	261	4.350	44.00	128.0	5.00	0.00
74	11:29: 0	264	4.400	44.00	128.0	5.00	0.00
75	11:32: 0	267	4.450	44.00	128.0	5.00	0.00
76	11:35: 0	270	4.500	44.00	128.0	5.00	0.00

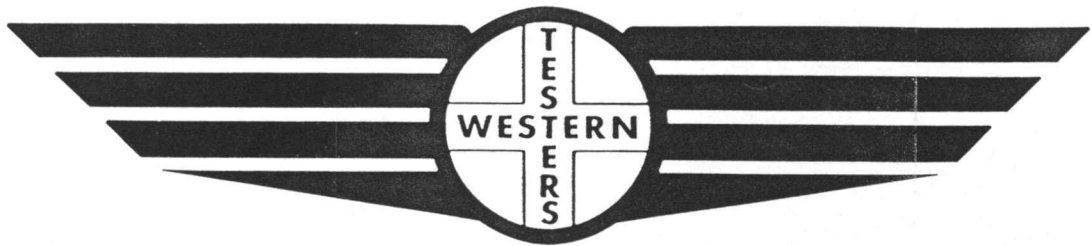


Inside Recorder



Outside Recorder

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY K & E PETROLEUM, INC. LEASE & WELL NO. #1 HUTCHINS "A" SEC. 9 TWP. 19S RGE. 33W TEST NO. 3 DATE 2/6/86

SUBSURFACE PRESSURE SURVEY

DATE : 2-6-86 TICKET : 10129  
 CUSTOMER : K & E PETROLEUM INC. LEASE : HUTCHINS "A"  
 WELL : 1 TEST: 3 GEOLOGIST : COVEY  
 ELEVATION : 2960 FORMATION : MORROW  
 SECTION : 9 TOWNSHIP : 19S  
 RANGE : 33W COUNTY : SCOTT STATE : KANSAS  
 GAUGE SN# : 6233 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 4597 TO : 4632 TOTAL DEPTH : 4632  
 DEPTH OF SELECTIVE ZONE :  
 PACKER DEPTH : 4592 SIZE : 6.75  
 PACKER DEPTH : 4597 SIZE : 6.75  
 PACKER DEPTH : SIZE :  
 PACKER DEPTH : SIZE :

DRILLING CON. : ABERCROMBIE DRLG  
 MUD TYPE : DAPAC VISCOSITY : 42  
 WEIGHT : 9.4 WATER LOSS (CC) : 8.8  
 CHLORIDES (PPM) : 6000  
 JARS-MAKE : NO SERIAL NUMBER :  
 DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
 WEIGHT PIPE LENGTH : 574 FT I.D. inch : 3.20  
 DRILL PIPE LENGTH : 4003 FT I.D. inch : 3.80  
 TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50  
 ANCHOR LENGTH : 35 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 WEAK BLOW. DIED IN  
 BLOW COMMENT #2 : 20 MINUTES. FINAL FLOW PERIOD NO BLOW.  
 BLOW COMMENT #3 :  
 BLOW COMMENT #4 :

RECOVERED : 65 FT OF: MUD. 0.65 Barrels  
 RECOVERED : 0 FT OF: CHLORIDES 6000 PPM. 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 RECOVERED : 0 FT OF: 0.00 Barrels  
 Total Barrels = 0.6 Total Production = 15.5 Bpd

REMARK 1 : SLID TOOL 3' TO BOTTOM. GOT PACKER ON 2ND TRY.  
 REMARK 2 : R.W.-PIT MUD-.9 AT 60 DEGREES.  
 REMARK 3 : PIT MUD-CHLORIDES 6000 PPM.  
 REMARK 4 : R.W.-REC MUD-.9 AT 60 DEGREES.

SET PACKER(S) : 10:45 PM TIME STARTED OFF BOTTOM : 12:45 PM  
 WELL TEMPERATURE : 0  
 INITIAL HYDROSTATIC PRESSURE (A) 2333  
 INITIAL FLOW PERIOD MIN: 30 (B) 78 PSI TO (C) : 78  
 INITIAL CLOSED IN PERIOD MIN: 30 (D) 111  
 FINAL FLOW PERIOD MIN: 30 (E) 80 PSI TO (F) : 80  
 FINAL CLOSED IN PERIOD MIN: 30 (G) 91  
 FINAL HYDROSTATIC PRESSURE (H) 2331

Pressure Transient Report

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DATA FILE.....  
COMPANY.....K & E PETROLEUM INC.  
DATE OF TEST.....2-6-86  
FIELD NAME.....HUTCHINS "A".  
WELL NAME.....1  
LOCATION.....SCOTT-KANSAS  
JOB NUMBER.....10129  
GAUGE NUMBER.....6233  
GAUGE DEPTH.....4632

COMMENTS

SLID TOOL 3' TO BOTTOM. GOT PACKER ON 2ND TRY.  
R.W.-PIT MUD-.9 AT 60 DEGREES.  
PIT MUD-CHLORIDES 6000 PPM.  
R.W.-REC MUD-.9 AT 60 DEGREES.

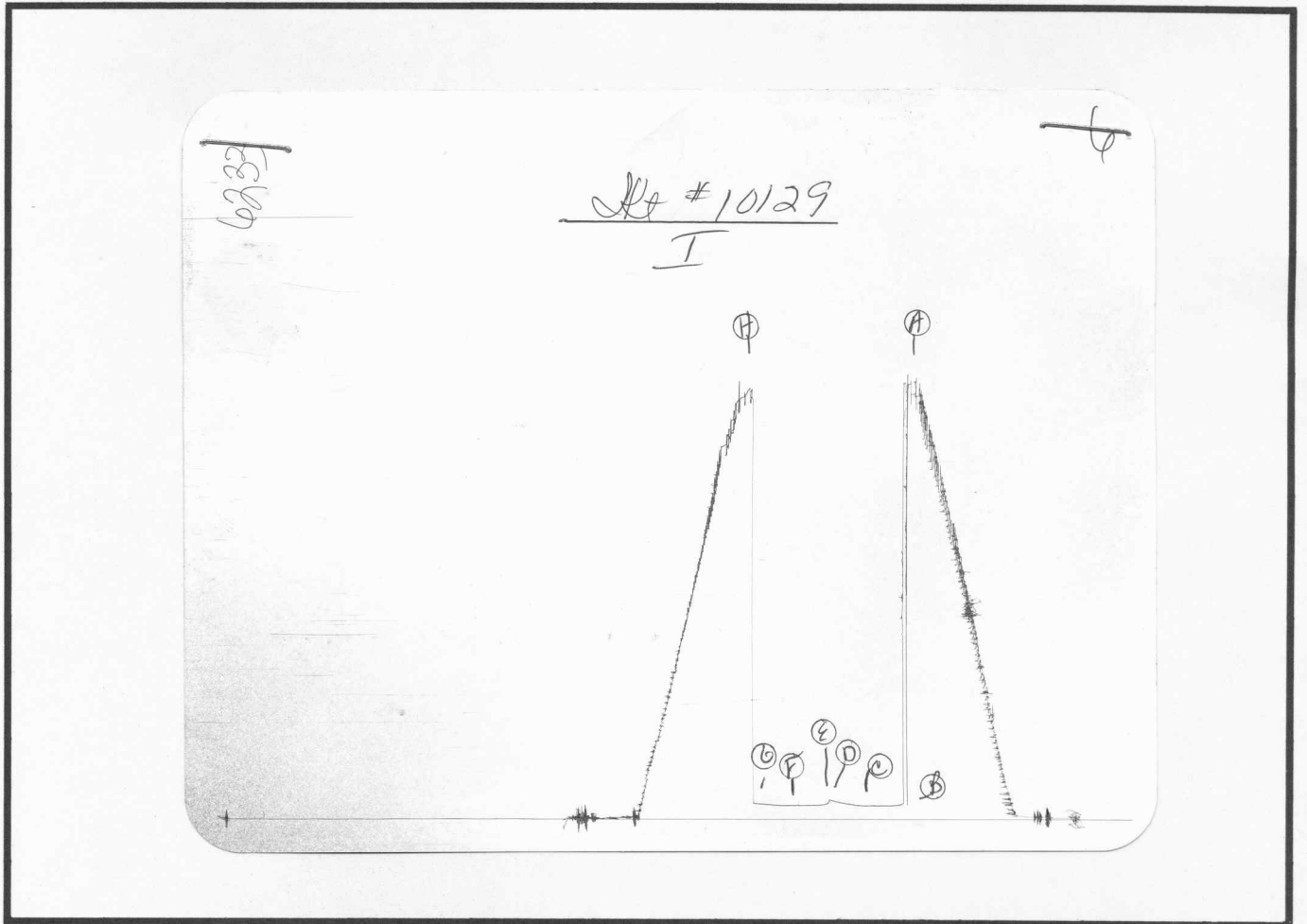
START UP TIME      (mo/da/yr)      (hr:min:sec)  
                         2./6/86.      10.: 45.: 0.

COMPANY : K & E PETROLEUM INC.  
 WELL : 1 JOB # : 10129  
 GAUGE # : 6233 DEPTH : 4632  
 MON/DAY : 2/ 6

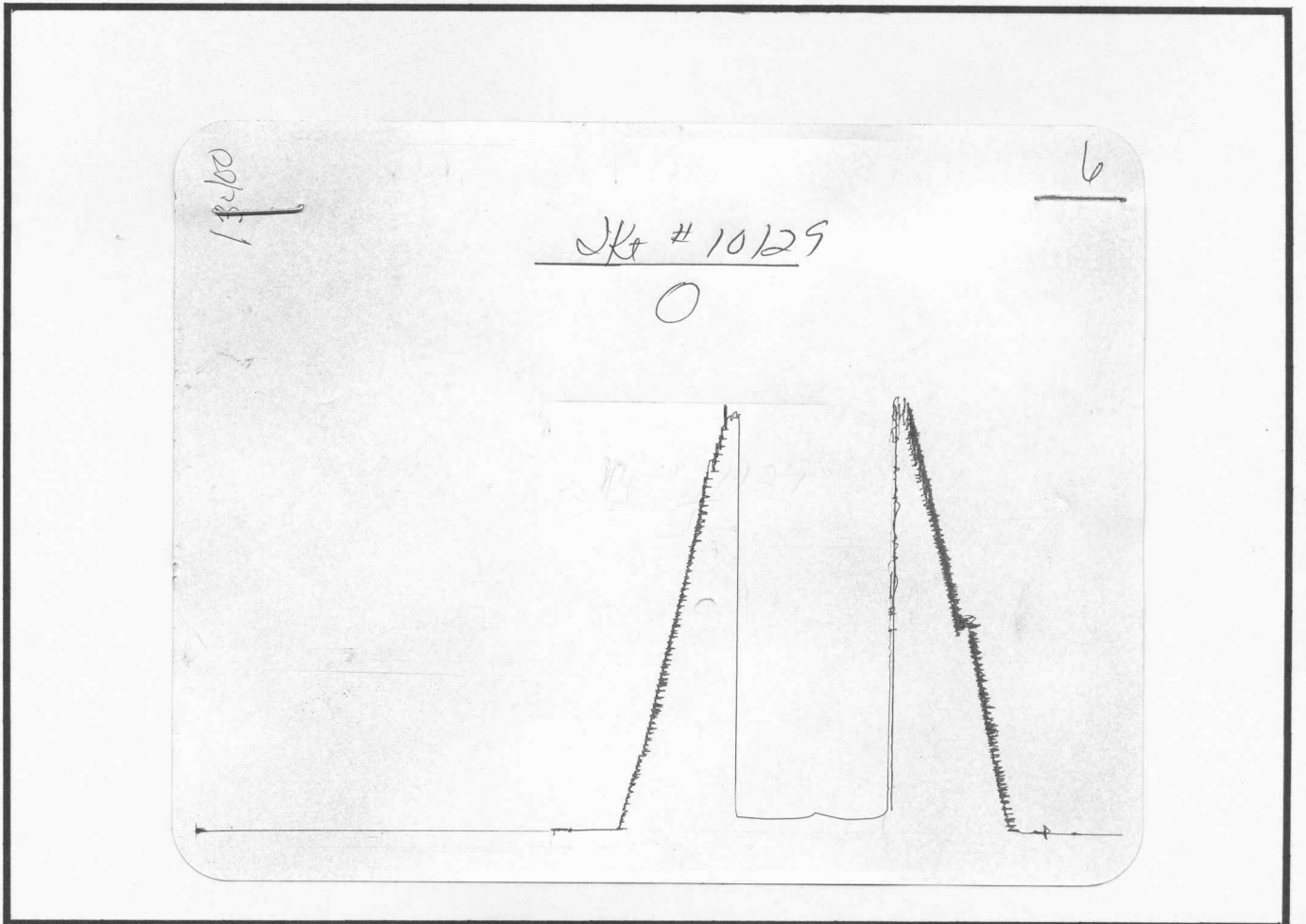
FIELD : HUTCHINS "A"

PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS	HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	OP/DT Psi/hr
1	10:45: 0	0	0.000	78.00	0.0	0.00	0.00
2	10:50: 0	5	0.083	78.00	0.0	0.00	0.00
3	10:55: 0	10	0.167	78.00	0.0	0.00	0.00
4	11: 0: 0	15	0.250	78.00	0.0	0.00	0.00
5	11: 5: 0	20	0.333	78.00	0.0	0.00	0.00
6	11:10: 0	25	0.417	78.00	0.0	0.00	0.00
7	11:15: 0	30	0.500	78.00	0.0	0.00	0.00
8	11:18: 0	33	0.550	80.00	0.0	2.00	40.01
9	11:21: 0	36	0.600	82.00	0.0	4.00	40.01
10	11:24: 0	39	0.650	84.00	0.0	6.00	39.96
11	11:27: 0	42	0.700	87.00	0.0	9.00	60.01
12	11:30: 0	45	0.750	90.00	0.0	12.00	60.01
13	11:33: 0	48	0.800	94.00	0.0	16.00	80.02
14	11:36: 0	51	0.850	98.00	0.0	20.00	80.02
15	11:39: 0	54	0.900	102.00	0.0	24.00	79.92
16	11:42: 0	57	0.950	106.00	0.0	28.00	80.02
17	11:45: 0	60	1.000	111.00	0.0	33.00	100.02
18	11:46: 0	61	1.017	80.00	0.0	2.00	-1860.45
19	11:50: 0	65	1.083	80.00	0.0	2.00	0.00
20	11:55: 0	70	1.167	80.00	0.0	2.00	0.00
21	12: 0: 0	75	1.250	80.00	0.0	2.00	0.00
22	12: 5: 0	80	1.333	80.00	0.0	2.00	0.00
23	12:10: 0	85	1.417	80.00	0.0	2.00	0.00
24	12:15: 0	90	1.500	80.00	0.0	2.00	0.00
25	12:18: 0	93	1.550	80.00	0.0	2.00	0.00
26	12:21: 0	96	1.600	81.00	0.0	3.00	20.00
27	12:24: 0	99	1.650	82.00	0.0	4.00	19.98
28	12:27: 0	102	1.700	83.00	0.0	5.00	20.00
29	12:30: 0	105	1.750	84.00	0.0	6.00	20.00
30	12:33: 0	108	1.800	85.00	0.0	7.00	20.00
31	12:36: 0	111	1.850	86.00	0.0	8.00	20.00
32	12:39: 0	114	1.900	87.00	0.0	9.00	19.98
33	12:42: 0	117	1.950	89.00	0.0	11.00	40.01
34	12:45: 0	120	2.000	91.00	0.0	13.00	40.01



Inside Recorder



Outside Recorder