

SUBSURFACE PRESSURE SURVEY

DATE	: 5-9-86	TICKET	: 8629
CUSTOMER	: PICKRELL DRILLING CO. INC.	LEASE	: BROOKOVER
WELL	: #3-"C" TEST: 1	GEOLOGIST	: B. KLAVER
ELEVATION	: 2900	FORMATION	: TOPEKA
SECTION	: 22	TOWNSHIP	: 13S
RANGE	: 30W	STATE	: KANSAS
GAUGE SN#	: 6233	CLOCK	: 12
	COUNTY : GOVE		
	RANGE : 4000		

INTERVAL FROM	: 3798	TO	: 3822	TOTAL DEPTH	: 3822
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3793	SIZE	: 6.75		
PACKER DEPTH	: 3798	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: PICKRELL RIG 10		
MUD TYPE	: CHEMICAL	VISCOSITY	: 51
WEIGHT	: 9.4	WATER LOSS (CC)	: 8.8
CHLORIDES (PPM)	: 1000		
JARS-MAKE	: --	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 186	FT	I.D. inch	: 2.20
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 3592	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 24	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 INCREASED
 BLOW COMMENT #2 : TO 3" IN WATER.
 BLOW COMMENT #3 : FINAL FLOW: WEAK BLOW 2" IN WATER.
 BLOW COMMENT #4 :

RECOVERED	: 30	FT OF: FREE OIL	0.14 Barrels
RECOVERED	: 90	FT OF: OIL CUT MUD	0.42 Barrels
RECOVERED	: 0	FT OF: (20% OIL; 80% MUD)	0.00 Barrels
RECOVERED	: 30	FT OF: OIL CUT WATERY MUD	0.14 Barrels
RECOVERED	: 0	FT OF: (20% OIL; 20% WTR; 60%M)	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 =	0.7	Total Production =	13.5 Bpd

REMARK 1 : CHLORIDES: 22000 PPM
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 10:05 PM	TIME STARTED OFF BOTTOM	: 1:05 AM
WELL TEMPERATURE	: 118		
INITIAL HYDROSTATIC PRESSURE		(A)	1954
INITIAL FLOW PERIOD	MIN: 30	(B)	40 PSI TO (C) : 56
INITIAL CLOSED IN PERIOD	MIN: 45	(D)	1135
FINAL FLOW PERIOD	MIN: 45	(E)	81 PSI TO (F) : 97
FINAL CLOSED IN PERIOD	MIN: 60	(G)	1130
FINAL HYDROSTATIC PRESSURE		(H)	1946

Pressure Transient Report

DATA FILE.....

COMPANY.....PICKRELL DRILLING CO. INC.

DATE OF TEST.....5-9-86

FIELD NAME.....BROOKOVER

WELL NAME.....#3-"C"

LOCATION.....GOVE-KANSAS

JOB NUMBER.....8629

GAUGE NUMBER.....6233

GAUGE DEPTH.....3822

COMMENTS

CHLORIDES: 22000 PPM

START UP TIME	(mo/da/yr)	(hr:min:sec)
	5./9/86.	10.: 5.: 0.

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER
WELL : #3-"C" JOB # : 8629
GAUGE # : 6233 DEPTH : 3822
MON/DAY : 5/ 9

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	10: 5: 0	0 0.000	40.00	118.0	0.00	19.98
2	10:10: 0	5 0.083	40.00	118.0	0.00	0.00
3	10:15: 0	10 0.167	42.00	118.0	2.00	24.02
4	10:20: 0	15 0.250	44.00	118.0	4.00	24.02
5	10:25: 0	20 0.333	48.00	118.0	8.00	47.91
6	10:30: 0	25 0.417	52.00	118.0	12.00	48.05
7	10:35: 0	30 0.500	56.00	118.0	16.00	48.05
8	10:38: 0	33 0.550	107.00	118.0	67.00	1019.00
9	10:41: 0	36 0.600	304.00	118.0	264.00	3936.16
10	10:44: 0	39 0.650	625.00	118.0	585.00	6413.74
11	10:47: 0	42 0.700	832.00	118.0	792.00	4135.96
12	10:50: 0	45 0.750	926.00	118.0	886.00	1887.37
13	10:53: 0	48 0.800	986.00	118.0	946.00	1198.83
14	10:56: 0	51 0.850	1021.00	118.0	981.00	699.32
15	10:59: 0	54 0.900	1047.00	118.0	1007.00	519.49
16	11: 2: 0	57 0.950	1069.00	118.0	1029.00	439.57
17	11: 5: 0	60 1.000	1087.00	118.0	1047.00	361.41
18	11: 8: 0	63 1.050	1101.00	118.0	1061.00	279.73
19	11:11: 0	66 1.100	1112.00	118.0	1072.00	219.79
20	11:14: 0	69 1.150	1122.00	118.0	1082.00	199.80
21	11:17: 0	72 1.200	1129.00	118.0	1089.00	139.86
22	11:20: 0	75 1.250	1135.00	118.0	1095.00	120.47
23	11:21: 0	76 1.267	81.00	118.0	41.00	-62567.88
24	11:25: 0	80 1.333	81.00	118.0	41.00	0.00
25	11:30: 0	85 1.417	81.00	118.0	41.00	0.00
26	11:35: 0	90 1.500	81.00	118.0	41.00	0.00
27	11:40: 0	95 1.583	83.00	118.0	43.00	23.95
28	11:45: 0	100 1.667	85.00	118.0	45.00	24.02
29	11:50: 0	105 1.750	87.00	118.0	47.00	24.02
30	11:55: 0	110 1.833	90.00	118.0	50.00	35.93
31	12: 0: 0	115 1.917	93.00	118.0	53.00	36.04
32	12: 5: 0	120 2.000	97.00	118.0	57.00	48.05
33	12: 8: 0	123 2.050	152.00	118.0	112.00	1098.93
34	12:11: 0	126 2.100	276.00	118.0	236.00	2477.58
35	12:14: 0	129 2.150	463.00	118.0	423.00	3736.35
36	12:17: 0	132 2.200	667.00	118.0	627.00	4076.02
37	12:20: 0	135 2.250	808.00	118.0	768.00	2831.06
38	12:23: 0	138 2.300	898.00	118.0	858.00	1798.24
39	12:26: 0	141 2.350	952.00	118.0	912.00	1078.95
40	12:29: 0	144 2.400	988.00	118.0	948.00	719.30
41	12:32: 0	147 2.450	1013.00	118.0	973.00	499.51
42	12:35: 0	150 2.500	1033.00	118.0	993.00	401.57
43	12:38: 0	153 2.550	1053.00	118.0	1013.00	399.61
44	12:41: 0	156 2.600	1067.00	118.0	1027.00	279.73
45	12:44: 0	159 2.650	1079.00	118.0	1039.00	239.77
46	12:47: 0	162 2.700	1089.00	118.0	1049.00	199.80
47	12:50: 0	165 2.750	1098.00	118.0	1058.00	180.71
48	12:53: 0	168 2.800	1108.00	118.0	1068.00	199.80
49	12:56: 0	171 2.850	1115.00	118.0	1075.00	139.86

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER

WELL : #3-"C" JOB # : 8629

GAUGE # : 6233 DEPTH : 3822

MON/DAY : 5/ 9

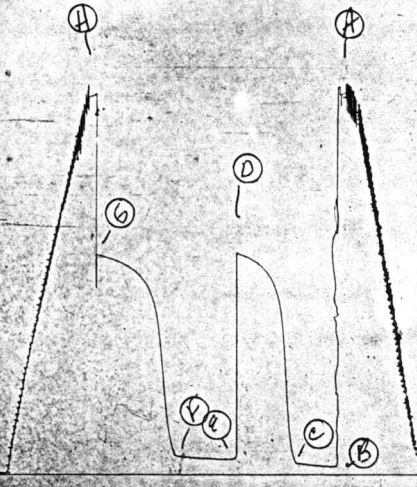
PAGE 2

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
50	12:59: 0	174 2.900	1121.00	118.0	1081.00	119.88
51	13: 2: 0	177 2.950	1126.00	118.0	1086.00	99.90
52	13: 5: 0	180 3.000	1130.00	118.0	1090.00	80.31

6233

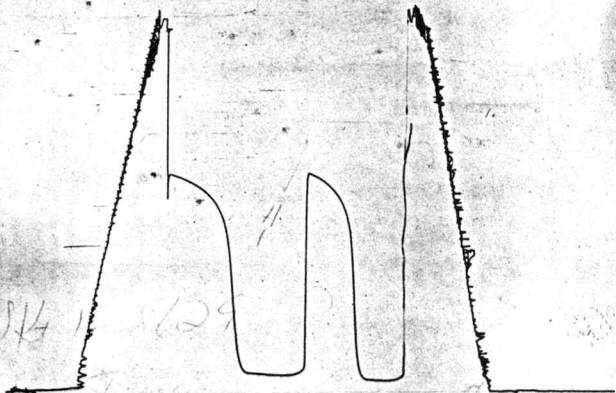
JK # 8629

I



13480

JK # 8629
0



SUBSURFACE PRESSURE SURVEY

DATE	: 5-10-86	TICKET	: 8630
CUSTOMER	: PICKRELL DRILLING CO. INC.	LEASE	: BROOKOVER
WELL	: #3-"C" TEST: 2	GEOLOGIST	: B. KLAVER
ELEVATION	: 2900	FORMATION	: TORONTO
SECTION	: 22	TOWNSHIP	: 13S
RANGE	: 30W	COUNTY	: GOVE
GAUGE SN#	: 6233	STATE	: KANSAS
		RANGE	: 4000
		CLOCK	: 12

INTERVAL FROM	: 3884	TO	: 3913	TOTAL DEPTH	: 3913
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3879	SIZE	: 6.75		
PACKER DEPTH	: 3884	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: PICKERLL RIG 10		
MUD TYPE	: CHEMICAL	VISCOSITY	: 51
WEIGHT	: 9.4	WATER LOSS (CC)	: 9.6
CHLORIDES (PPM)	: 1000		
JARS-MAKE	: --	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 186	FT	I.D. inch	: 2.20
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 3678	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 29	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 1/2"
 BLOW COMMENT #2 : IN WATER
 BLOW COMMENT #3 : FINAL FLOW: NO BLOW.
 BLOW COMMENT #4 :

RECOVERED	: 10	FT	OF: MUD /FEW	0.05 Barrels
RECOVERED	: 0	FT	OF: OIL SPOTS	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 =	0.0	Total Production =	1.0 Bpd	

REMARK 1 : CHLORIDES: 2000 PPM
 REMARK 2 : FLUSHED TOOL ON THE FINAL FLOW.
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 12:50 AM	TIME STARTED OFF BOTTOM	: 3:05 AM
WELL TEMPERATURE	: 117		
INITIAL HYDROSTATIC PRESSURE		(A)	1980
INITIAL FLOW PERIOD	MIN: 35	(B)	36 PSI TO (C) : 36
INITIAL CLOSED IN PERIOD	MIN: 45	(D)	1113
FINAL FLOW PERIOD	MIN: 30	(E)	42 PSI TO (F) : 42
FINAL CLOSED IN PERIOD	MIN: 33	(G)	1007
FINAL HYDROSTATIC PRESSURE		(H)	1980

Pressure Transient Report

DATA FILE.....

COMPANY.....PICKRELL DRILLING CO. INC.

DATE OF TEST.....5-10-86

FIELD NAME.....BROOKOVER

WELL NAME.....#3-"C"

LOCATION.....GOVE-KANSAS

JOB NUMBER.....8630

GAUGE NUMBER.....6233

GAUGE DEPTH.....3913

COMMENTS

FLUSHED TOOL ON THE FINAL FLOW.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	5./10/86.	12.: 50.: 0.

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER
WELL : #3-"C" JOB # : 8630
GAUGE # : 6233 DEPTH : 3913
MON/DAY : 5/10

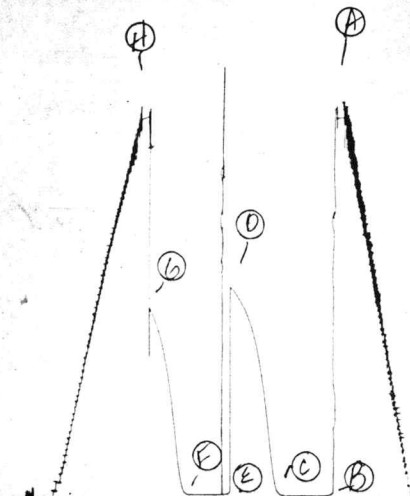
PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	12:50: 0	0 0.000	36.00	117.0	0.00	501.96
2	12:55: 0	5 0.083	36.00	117.0	0.00	0.00
3	13: 0: 0	10 0.167	36.00	117.0	0.00	0.00
4	13: 5: 0	15 0.250	36.00	117.0	0.00	0.00
5	13:10: 0	20 0.333	36.00	117.0	0.00	0.00
6	13:15: 0	25 0.417	36.00	117.0	0.00	0.00
7	13:20: 0	30 0.500	36.00	117.0	0.00	0.00
8	13:25: 0	35 0.583	36.00	117.0	0.00	0.00
9	13:28: 0	38 0.633	37.00	117.0	1.00	20.08
10	13:31: 0	41 0.683	44.00	117.0	8.00	139.86
11	13:34: 0	44 0.733	113.00	117.0	77.00	1378.65
12	13:37: 0	47 0.783	286.00	117.0	250.00	3456.62
13	13:40: 0	50 0.833	473.00	117.0	437.00	3736.35
14	13:43: 0	53 0.883	635.00	117.0	599.00	3252.71
15	13:46: 0	56 0.933	743.00	117.0	707.00	2157.89
16	13:49: 0	59 0.983	830.00	117.0	794.00	1738.30
17	13:52: 0	62 1.033	906.00	117.0	870.00	1518.52
18	13:55: 0	65 1.083	964.00	117.0	928.00	1158.87
19	13:58: 0	68 1.133	1008.00	117.0	972.00	883.45
20	14: 1: 0	71 1.183	1047.00	117.0	1011.00	779.24
21	14: 4: 0	74 1.233	1077.00	117.0	1041.00	599.41
22	14: 7: 0	77 1.283	1101.00	117.0	1065.00	479.53
23	14:10: 0	80 1.333	1113.00	117.0	1077.00	239.77
24	14:11: 0	81 1.350	42.00	117.0	6.00	-64512.00
25	14:15: 0	85 1.417	42.00	117.0	6.00	0.00
26	14:20: 0	90 1.500	42.00	117.0	6.00	0.00
27	14:25: 0	95 1.583	42.00	117.0	6.00	0.00
28	14:30: 0	100 1.667	42.00	117.0	6.00	0.00
29	14:35: 0	105 1.750	42.00	117.0	6.00	0.00
30	14:40: 0	110 1.833	42.00	117.0	6.00	0.00
31	14:43: 0	113 1.883	46.00	117.0	10.00	80.31
32	14:46: 0	116 1.933	199.00	117.0	163.00	3057.01
33	14:49: 0	119 1.983	235.00	117.0	199.00	719.30
34	14:52: 0	122 2.033	412.00	117.0	376.00	3536.55
35	14:55: 0	125 2.083	561.00	117.0	525.00	2977.09
36	14:58: 0	128 2.133	691.00	117.0	655.00	2610.20
37	15: 1: 0	131 2.183	792.00	117.0	756.00	2018.03
38	15: 4: 0	134 2.233	866.00	117.0	830.00	1478.56
39	15: 7: 0	137 2.283	928.00	117.0	892.00	1238.79
40	15:10: 0	140 2.333	982.00	117.0	946.00	1078.95
41	15:13: 0	143 2.383	1007.00	117.0	971.00	501.96

6233

24/ #8630

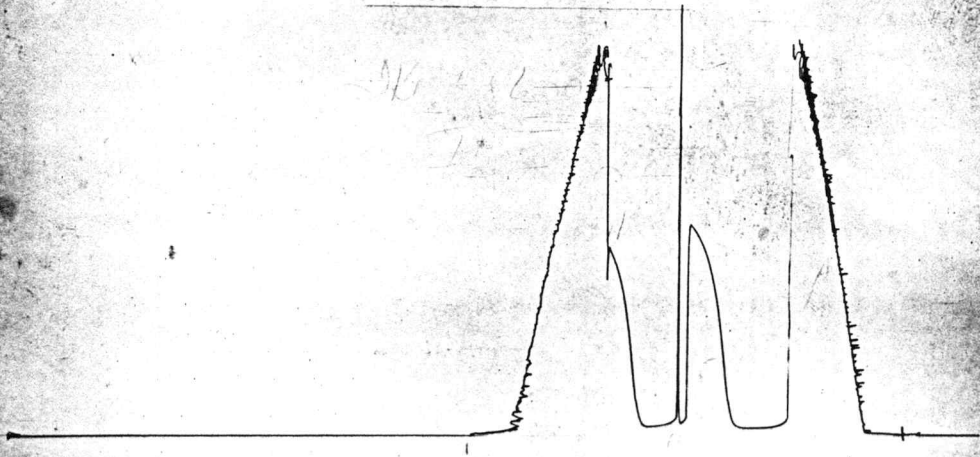
I



13-60

Kit # 8630

O



SUBSURFACE PRESSURE SURVEY

DATE	:	5-11-86	TICKET	:	8631
CUSTOMER	:	PICKRELL DRILLING CO. INC.	LEASE	:	BROOKOVER
WELL	:	#3-"C" TEST: 3	GEOLOGIST	:	B.KLAVER
ELEVATION	:	2900	FORMATION	:	LANSING A
SECTION	:	22	TOWNSHIP	:	13S
RANGE	:	30W	STATE	:	KANSAS
GAUGE SN#	:	6233	CLOCK	:	12
		COUNTY : GOVE			
		RANGE : 4000			

INTERVAL FROM	:	3907	TO	:	3934	TOTAL DEPTH	:	3934
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3902	SIZE	:	6.75			
PACKER DEPTH	:	3907	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	PICKERLL RIG 10			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	49
WEIGHT	:	9.4	WATER LOSS (CC)	:	8.8
CHLORIDES (PPM)	:	1000			
JARS-MAKE	:	--	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	186	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3701	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	27	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 INCREASED TO
BLOW COMMENT #2	:	4" IN WATER
BLOW COMMENT #3	:	FINAL FLOW: WEAK BLOW INCREASED TO
BLOW COMMENT #4	:	4" IN WATER.

RECOVERED	:	30	FT	OF: WATERY MUD WITH	0.23 Barrels
RECOVERED	:	0	FT	OF: FEW OIL SPOTS	0.00 Barrels
RECOVERED	:	0	FT	OF: 70% MUD; 30% WTR	0.00 Barrels
RECOVERED	:	240	FT	OF: MUDDY WATER	1.82 Barrels
RECOVERED	:	0	FT	OF: 90% WTR; 10%MUD	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 =	:	2.1	Total Production =	:	32.8 Bpd

REMARK 1	:	CHLORIDES: 55000 PPM
REMARK 2	:	
REMARK 3	:	
REMARK 4	:	

SET PACKER(S)	:	1:15 PM	TIME STARTED OFF BOTTOM	:	4:15 PM
WELL TEMPERATURE	:	120			
INITIAL HYDROSTATIC PRESSURE			(A)	:	2013
INITIAL FLOW PERIOD	MIN:	30	(B)	:	47
INITIAL CLOSED IN PERIOD	MIN:	48	(D)	:	1192
FINAL FLOW PERIOD	MIN:	60	(E)	:	113
FINAL CLOSED IN PERIOD	MIN:	48	(G)	:	1160
FINAL HYDROSTATIC PRESSURE			(H)	:	1990
			PSI TO (C)	:	83
			PSI TO (F)	:	152

Pressure Transient Report

DATA FILE.....

COMPANY.....PICKRELL DRILLING CO. INC.

DATE OF TEST.....5-11-86

FIELD NAME.....BROOKOVER

WELL NAME.....#3-"C"

LOCATION.....GOVE-KANSAS

JOB NUMBER.....8631

GAUGE NUMBER.....6233

GAUGE DEPTH.....3934

COMMENTS

CHLORIDES: 55000 PPM

START UP TIME	(mo/da/yr)	(hr:min:sec)
	5./11/86.	1.: 15.: 0.

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER
WELL : #3-"C" JOB # : 8631
GAUGE # : 6233 DEPTH : 3934
MON/DAY : 5/11

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	1:15: 0	0 0.000	47.00	120.0	0.00	80.31
2	1:20: 0	5 0.083	47.00	120.0	0.00	0.00
3	1:25: 0	10 0.167	48.00	120.0	1.00	11.98
4	1:30: 0	15 0.250	58.00	120.0	11.00	120.12
5	1:35: 0	20 0.333	68.00	120.0	21.00	120.12
6	1:40: 0	25 0.417	78.00	120.0	31.00	119.77
7	1:45: 0	30 0.500	83.00	120.0	36.00	60.06
8	1:48: 0	33 0.550	777.00	120.0	730.00	13866.46
9	1:51: 0	36 0.600	980.00	120.0	933.00	4056.04
10	1:54: 0	39 0.650	1042.00	120.0	995.00	1244.86
11	1:57: 0	42 0.700	1077.00	120.0	1030.00	699.32
12	2: 0: 0	45 0.750	1100.00	120.0	1053.00	459.55
13	2: 3: 0	48 0.800	1118.00	120.0	1071.00	359.65
14	2: 6: 0	51 0.850	1132.00	120.0	1085.00	279.73
15	2: 9: 0	54 0.900	1144.00	120.0	1097.00	240.94
16	2:12: 0	57 0.950	1154.00	120.0	1107.00	199.80
17	2:15: 0	60 1.000	1162.00	120.0	1115.00	159.84
18	2:18: 0	63 1.050	1168.00	120.0	1121.00	119.88
19	2:21: 0	66 1.100	1178.00	120.0	1131.00	199.80
20	2:24: 0	69 1.150	1183.00	120.0	1136.00	100.39
21	2:27: 0	72 1.200	1187.00	120.0	1140.00	79.92
22	2:30: 0	75 1.250	1191.00	120.0	1144.00	79.92
23	2:33: 0	78 1.300	1192.00	120.0	1145.00	19.98
24	2:34: 0	79 1.317	113.00	120.0	66.00	-64993.88
25	2:38: 0	83 1.383	113.00	120.0	66.00	0.00
26	2:43: 0	88 1.467	115.00	120.0	68.00	24.02
27	2:48: 0	93 1.550	119.00	120.0	72.00	47.91
28	2:53: 0	98 1.633	121.00	120.0	74.00	24.02
29	2:58: 0	103 1.717	125.00	120.0	78.00	48.05
30	3: 3: 0	108 1.800	129.00	120.0	82.00	47.91
31	3: 8: 0	113 1.883	133.00	120.0	86.00	48.05
32	3:13: 0	118 1.967	137.00	120.0	90.00	48.05
33	3:18: 0	123 2.050	141.00	120.0	94.00	47.91
34	3:23: 0	128 2.133	145.00	120.0	98.00	48.05
35	3:28: 0	133 2.217	149.00	120.0	102.00	48.05
36	3:33: 0	138 2.300	152.00	120.0	105.00	35.93
37	3:36: 0	141 2.350	713.00	120.0	666.00	11209.05
38	3:39: 0	144 2.400	918.00	120.0	871.00	4116.08
39	3:42: 0	147 2.450	984.00	120.0	937.00	1318.71
40	3:45: 0	150 2.500	1025.00	120.0	978.00	819.20
41	3:48: 0	153 2.550	1051.00	120.0	1004.00	519.49
42	3:51: 0	156 2.600	1071.00	120.0	1024.00	399.61
43	3:54: 0	159 2.650	1085.00	120.0	1038.00	281.10
44	3:57: 0	162 2.700	1099.00	120.0	1052.00	279.73
45	4: 0: 0	165 2.750	1111.00	120.0	1064.00	239.77
46	4: 3: 0	168 2.800	1123.00	120.0	1076.00	239.77
47	4: 6: 0	171 2.850	1130.00	120.0	1083.00	139.86
48	4: 9: 0	174 2.900	1137.00	120.0	1090.00	140.55
49	4:12: 0	177 2.950	1144.00	120.0	1097.00	139.86

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER
WELL : #3-"C" JOB # : 8631
GAUGE # : 6233 DEPTH : 3934
MON/DAY : 5/11

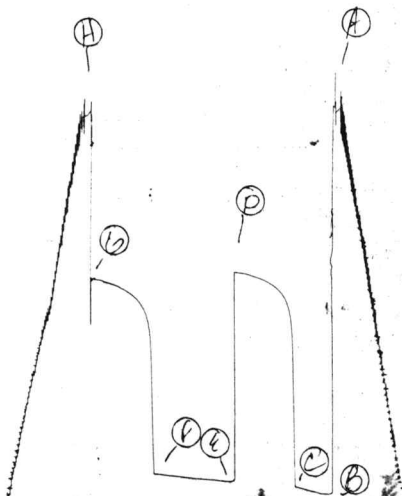
PAGE 2

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
50	4:15: 0	180 3.000	1152.00	120.0	1105.00	159.84
51	4:18: 0	183 3.050	1156.00	120.0	1109.00	79.92
52	4:21: 0	186 3.100	1160.00	120.0	1113.00	79.92

6233

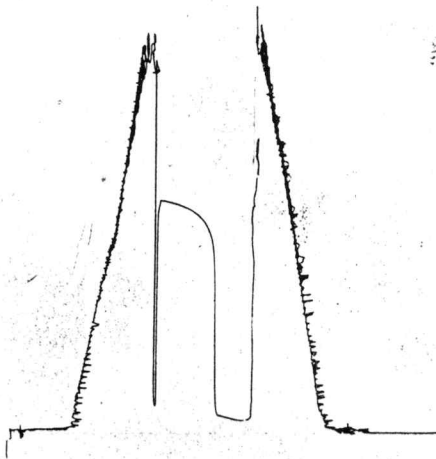
Kt # 8631

I



8/31

PK # 8631
0



SUBSURFACE PRESSURE SURVEY

DATE	: 5-12-86	TICKET	: 8632
CUSTOMER	: PICKRELL DRILLING CO. INC.	LEASE	: BROOKOVER
WELL	: #3-"C" TEST: 4	GEOLOGIST	: B. KLAVER
ELEVATION	: 2900	FORMATION	: LANSING B
SECTION	: 22	TOWNSHIP	: 13S
RANGE	: 30W	COUNTY	: GOVE
GAUGE SN#	: 6233	STATE	: KANSAS
		RANGE	: 4000
		CLOCK	: 12

INTERVAL FROM	: 3935	TO	: 3975	TOTAL DEPTH	: 3975
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3930	SIZE	: 6.75		
PACKER DEPTH	: 3935	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: PICKERLL RIG 10		
MUD TYPE	: CHEMICAL	VISCOSITY	: 49
WEIGHT	: 9.4	WATER LOSS (CC)	: 8.8
CHLORIDES (PPM)	: 1000		
JARS-MAKE	: --	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 186	FT	I.D. inch	: 2.20
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 3729	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 40	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 OFF
 BLOW COMMENT #2 : BOTTOM OF BUCKET IN 25 MINUTES.
 BLOW COMMENT #3 : FINAL FLOW: STRONG BLOW OFF
 BLOW COMMENT #4 : BOTTOM OF BUCKET.

RECOVERED	: 60	FT	OF: CLEAN OIL	0.55 Barrels
RECOVERED	: 0	FT	OF: 39 GRAVITY	0.00 Barrels
RECOVERED	: 60	FT	OF: OIL CUT WTRY MUD	0.55 Barrels
RECOVERED	: 0	FT	OF: 40%OIL;5%WTR;55%MUD	0.00 Barrels
RECOVERED	: 60	FT	OF: WATERY MUD	0.55 Barrels
RECOVERED	: 0	FT	OF: 40%WTR;60%MUD	0.00 Barrels
RECOVERED	: 180	FT	OF: WATER	1.66 Barrels
RECOVERED	: 0	FT	OF:	0.00 Barrels
RECOVERED	: 0	FT	OF:	0.00 Barrels
Total Barrels = 3.3		Total Production = 63.6 Bpd		

REMARK 1 : CHLORIDES: 57000 PPM
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 3:15 AM	TIME STARTED OFF BOTTOM	: 6:15 AM
WELL TEMPERATURE	: 120		
INITIAL HYDROSTATIC PRESSURE		(A)	2031
INITIAL FLOW PERIOD	MIN: 30	(B)	56 PSI TO (C) : 121
INITIAL CLOSED IN PERIOD	MIN: 45	(D)	1209
FINAL FLOW PERIOD	MIN: 45	(E)	147 PSI TO (F) : 189
FINAL CLOSED IN PERIOD	MIN: 60	(G)	1201
FINAL HYDROSTATIC PRESSURE		(H)	2021

Pressure Transient Report

DATA FILE.....
COMPANY.....PICKRELL DRILLING CO. INC.
DATE OF TEST.....5-12-86
FIELD NAME.....BROOKOVER
WELL NAME.....#3-"C"
LOCATION.....GOVE-KANSAS
JOB NUMBER.....8632
GAUGE NUMBER.....6233
GAUGE DEPTH.....3975

COMMENTS
CHLORIDES: 57000 PPM

START UP TIME	(mo/da/yr)	(hr:min:sec)
	5./12/86.	3.: 15.: 0.

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER
WELL : #3-"C" JOB # : 8632
GAUGE # : 6293 DEPTH : 3975
MON/DAY : 5/12

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	3:15: 0	0 0.000	56.00	120.0	0.00	79.92
2	3:20: 0	5 0.083	58.00	120.0	2.00	24.02
3	3:25: 0	10 0.167	73.00	120.0	17.00	179.65
4	3:30: 0	15 0.250	93.00	120.0	37.00	240.23
5	3:35: 0	20 0.333	108.00	120.0	52.00	180.18
6	3:40: 0	25 0.417	115.00	120.0	59.00	83.84
7	3:45: 0	30 0.500	121.00	120.0	65.00	72.07
8	3:48: 0	33 0.550	693.00	120.0	637.00	11428.84
9	3:51: 0	36 0.600	1019.00	120.0	963.00	6513.64
10	3:54: 0	39 0.650	1089.00	120.0	1033.00	1405.49
11	3:57: 0	42 0.700	1125.00	120.0	1069.00	719.30
12	4: 0: 0	45 0.750	1146.00	120.0	1090.00	419.59
13	4: 3: 0	48 0.800	1162.00	120.0	1106.00	319.69
14	4: 6: 0	51 0.850	1172.00	120.0	1116.00	199.80
15	4: 9: 0	54 0.900	1181.00	120.0	1125.00	180.71
16	4:12: 0	57 0.950	1187.00	120.0	1131.00	119.88
17	4:15: 0	60 1.000	1194.00	120.0	1138.00	139.86
18	4:18: 0	63 1.050	1197.00	120.0	1141.00	59.94
19	4:21: 0	66 1.100	1200.00	120.0	1144.00	59.94
20	4:24: 0	69 1.150	1203.00	120.0	1147.00	60.24
21	4:27: 0	72 1.200	1206.00	120.0	1150.00	59.94
22	4:30: 0	75 1.250	1209.00	120.0	1153.00	59.94
23	4:31: 0	76 1.267	147.00	120.0	91.00	-63969.88
24	4:35: 0	80 1.333	147.00	120.0	91.00	0.00
25	4:40: 0	85 1.417	148.00	120.0	92.00	11.98
26	4:45: 0	90 1.500	152.00	120.0	96.00	48.05
27	4:50: 0	95 1.583	156.00	120.0	100.00	48.05
28	4:55: 0	100 1.667	162.00	120.0	106.00	71.86
29	5: 0: 0	105 1.750	168.00	120.0	112.00	72.07
30	5: 5: 0	110 1.833	174.00	120.0	118.00	72.07
31	5:10: 0	115 1.917	181.00	120.0	125.00	83.84
32	5:15: 0	120 2.000	189.00	120.0	133.00	96.09
33	5:18: 0	123 2.050	627.00	120.0	571.00	8751.45
34	5:21: 0	126 2.100	984.00	120.0	928.00	7133.03
35	5:24: 0	129 2.150	1071.00	120.0	1015.00	1746.82
36	5:27: 0	132 2.200	1105.00	120.0	1049.00	679.34
37	5:30: 0	135 2.250	1126.00	120.0	1070.00	419.59
38	5:33: 0	138 2.300	1140.00	120.0	1084.00	279.73
39	5:36: 0	141 2.350	1153.00	120.0	1097.00	259.75
40	5:39: 0	144 2.400	1159.00	120.0	1103.00	120.47
41	5:42: 0	147 2.450	1166.00	120.0	1110.00	139.86
42	5:45: 0	150 2.500	1172.00	120.0	1116.00	119.88
43	5:48: 0	153 2.550	1177.00	120.0	1121.00	99.90
44	5:51: 0	156 2.600	1182.00	120.0	1126.00	99.90
45	5:54: 0	159 2.650	1184.00	120.0	1128.00	40.16
46	5:57: 0	162 2.700	1187.00	120.0	1131.00	59.94
47	6: 0: 0	165 2.750	1190.00	120.0	1134.00	59.94
48	6: 3: 0	168 2.800	1193.00	120.0	1137.00	59.94
49	6: 6: 0	171 2.850	1195.00	120.0	1139.00	39.96

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER

WELL : #3-"C" JOB # : 8632

GAUGE # : 6233 DEPTH : 3975

MON/DAY : 5/12

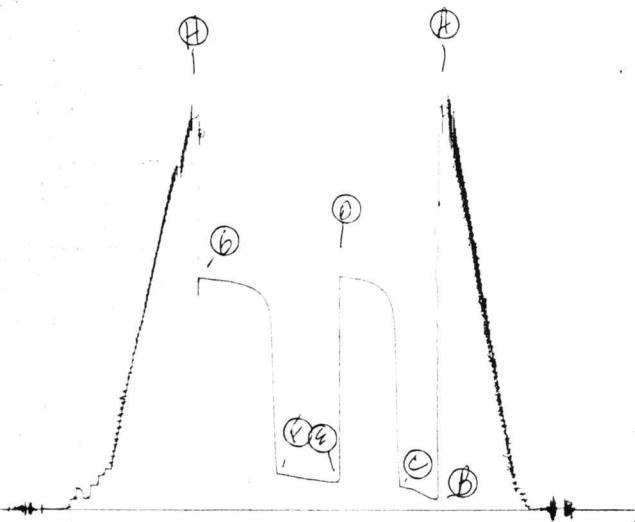
PAGE 2

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
50	6: 9: 0	174 2.900	1197.00	120.0	1141.00	40.16
51	6:12: 0	177 2.950	1199.00	120.0	1143.00	39.96
52	6:15: 0	180 3.000	1201.00	120.0	1145.00	39.96

6233

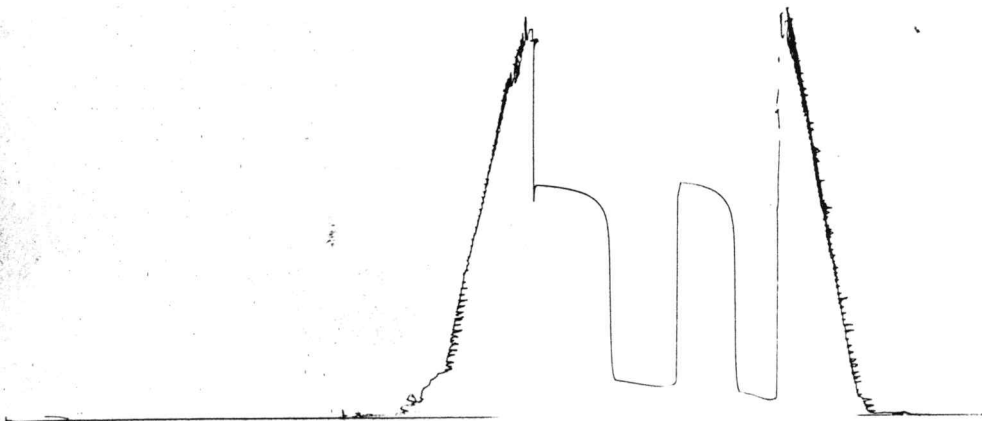
JK # 8632

I



13460

It #8632
D



SUBSURFACE PRESSURE SURVEY

DATE	: 5-12-86	TICKET	: 8633
CUSTOMER	: PICKRELL DRILLING CO. INC.	LEASE	: BROOKOVER
WELL	: #3-"C" TEST: 5	GEOLOGIST	: B. KLAVER
ELEVATION	: 2900	FORMATION	: LANSING C
SECTION	: 22	TOWNSHIP	: 13S
RANGE	: 30W	COUNTY	: GOVE
GAUGE SN#	: 6233	STATE	: KANSAS
		RANGE	: 4000
		CLOCK	: 12

INTERVAL FROM	: 3978	TO	: 4004	TOTAL DEPTH	: 4004
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3973	SIZE	: 6.75		
PACKER DEPTH	: 3978	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: PICKRELL	RIG #10	
MUD TYPE	: CHEMICAL	VISCOSITY	: 53
WEIGHT	: 9.4	WATER LOSS (CC)	:
CHLORIDES (PPM)	: 3000		
JARS-MAKE	: --	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 186	FT	I.D. inch	: 2.20
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 3772	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 26	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 2" BLOW IN
 BLOW COMMENT #2 : WATER. FINAL FLOW: WEAK 1/2"
 BLOW COMMENT #3 : BLOW IN WATER.
 BLOW COMMENT #4 :

RECOVERED	: 5	FT OF: OIL	0.02 Barrels
RECOVERED	: 60	FT OF: SLT OIL SPOT MUD	0.28 Barrels
RECOVERED	: 120	FT OF: WATER	0.56 Barrels
RECOVERED	: 0	FT OF: CHLORIDES: 52000 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
Total Barrels =	0.9	Total Production =	16.7 Bpd

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

SET PACKER(S)	: 7:05 PM	TIME STARTED OFF BOTTOM	: 10:05 PM
WELL TEMPERATURE	: 120		
INITIAL HYDROSTATIC PRESSURE		(A)	2039
INITIAL FLOW PERIOD	MIN: 30	(B)	40
INITIAL CLOSED IN PERIOD	MIN: 45	(D)	1152
FINAL FLOW PERIOD	MIN: 45	(E)	82
FINAL CLOSED IN PERIOD	MIN: 60	(G)	1112
FINAL HYDROSTATIC PRESSURE		(H)	2029

PSI TO (C) : 54
 PSI TO (F) : 105

Pressure Transient Report

DATA FILE.....

COMPANY.....PICKRELL DRILLING CO. INC.

DATE OF TEST.....5-12-86

FIELD NAME.....BROOKOVER

WELL NAME.....#3-"C"

LOCATION.....GOVE-KANSAS

JOB NUMBER.....8633

GAUGE NUMBER.....6233

GAUGE DEPTH.....4004

COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	5./12/86.	7.: 5.: 0.

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER
 WELL : #3-"C" JOB # : 8633
 GAUGE # : 6233 *DEPTH : 4004
 MON/DAY : 5/12

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	40.00	120.0	0.00	179.82
2	7:10: 0	5 0.083	40.00	120.0	0.00	0.00
3	7:15: 0	10 0.167	41.00	120.0	1.00	12.01
4	7:20: 0	15 0.250	42.00	120.0	2.00	12.01
5	7:25: 0	20 0.333	46.00	120.0	6.00	47.91
6	7:30: 0	25 0.417	50.00	120.0	10.00	48.05
7	7:35: 0	30 0.500	54.00	120.0	14.00	48.05
8	7:38: 0	33 0.550	229.00	120.0	189.00	3496.59
9	7:41: 0	36 0.600	669.00	120.0	629.00	8791.42
10	7:44: 0	39 0.650	932.00	120.0	892.00	5254.87
11	7:47: 0	42 0.700	1011.00	120.0	971.00	1578.46
12	7:50: 0	45 0.750	1053.00	120.0	1013.00	843.29
13	7:53: 0	48 0.800	1077.00	120.0	1037.00	479.53
14	7:56: 0	51 0.850	1097.00	120.0	1057.00	399.61
15	7:59: 0	54 0.900	1110.00	120.0	1070.00	259.75
16	8: 2: 0	57 0.950	1119.00	120.0	1079.00	179.82
17	8: 5: 0	60 1.000	1128.00	120.0	1088.00	180.71
18	8: 8: 0	63 1.050	1133.00	120.0	1093.00	99.90
19	8:11: 0	66 1.100	1136.00	120.0	1096.00	59.94
20	8:14: 0	69 1.150	1142.00	120.0	1102.00	119.88
21	8:17: 0	72 1.200	1150.00	120.0	1110.00	159.84
22	8:20: 0	75 1.250	1152.00	120.0	1112.00	40.16
23	8:21: 0	76 1.267	82.00	120.0	42.00	-63517.68
24	8:25: 0	80 1.333	82.00	120.0	42.00	0.00
25	8:30: 0	85 1.417	82.00	120.0	42.00	0.00
26	8:35: 0	90 1.500	84.00	120.0	44.00	24.02
27	8:40: 0	95 1.583	87.00	120.0	47.00	35.93
28	8:45: 0	100 1.667	91.00	120.0	51.00	48.05
29	8:50: 0	105 1.750	95.00	120.0	55.00	48.05
30	8:55: 0	110 1.833	99.00	120.0	59.00	47.91
31	9: 0: 0	115 1.917	102.00	120.0	62.00	36.04
32	9: 5: 0	120 2.000	105.00	120.0	65.00	36.04
33	9: 8: 0	123 2.050	204.00	120.0	164.00	1978.07
34	9:11: 0	126 2.100	434.00	120.0	394.00	4595.51
35	9:14: 0	129 2.150	754.00	120.0	714.00	6393.76
36	9:17: 0	132 2.200	906.00	120.0	866.00	3037.03
37	9:20: 0	135 2.250	970.00	120.0	930.00	1285.02
38	9:23: 0	138 2.300	1004.00	120.0	964.00	679.34
39	9:26: 0	141 2.350	1026.00	120.0	986.00	439.57
40	9:29: 0	144 2.400	1041.00	120.0	1001.00	299.71
41	9:32: 0	147 2.450	1053.00	120.0	1013.00	239.77
42	9:35: 0	150 2.500	1065.00	120.0	1025.00	240.94
43	9:38: 0	153 2.550	1075.00	120.0	1035.00	199.80
44	9:41: 0	156 2.600	1082.00	120.0	1042.00	139.86
45	9:44: 0	159 2.650	1087.00	120.0	1047.00	99.90
46	9:47: 0	162 2.700	1093.00	120.0	1053.00	119.88
47	9:50: 0	165 2.750	1097.00	120.0	1057.00	80.31
48	9:53: 0	168 2.800	1101.00	120.0	1061.00	79.92
49	9:56: 0	171 2.850	1107.00	120.0	1067.00	119.88

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER

WELL : #3-"C" JOB # : 8633

GAUGE # : 6233 DEPTH : 4004

MON/DAY, : 5/12

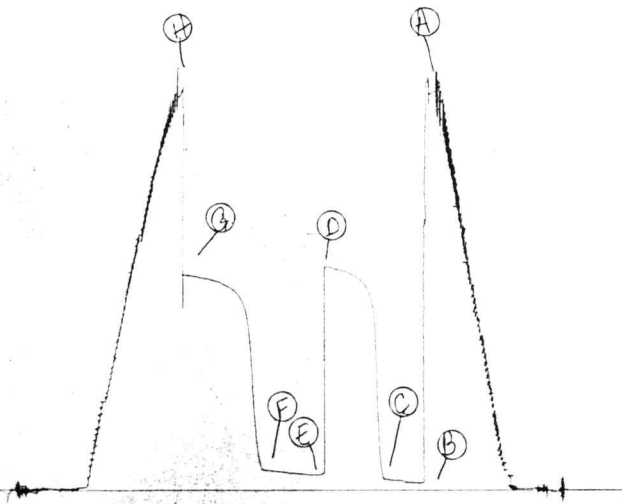
PAGE 2

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
50	9:59: 0	174 2.900	1110.00	120.0	1070.00	59.94
51	10: 2: 0	177 2.950	1111.00	120.0	1071.00	19.98
52	10: 5: 0	180 3.000	1112.00	120.0	1072.00	20.08

6233

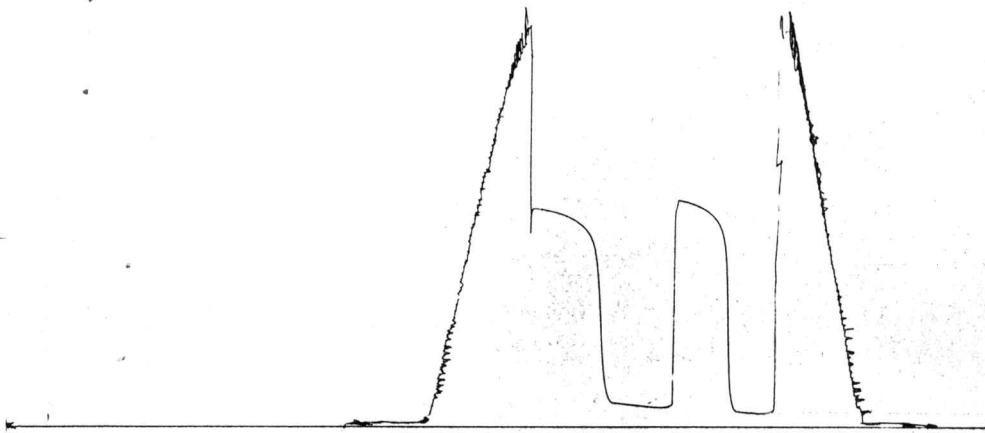
TK# 8633

II



13460

TK-# 8633
0.



SUBSURFACE PRESSURE SURVEY

DATE	: 5-13-86	TICKET	: 8634
CUSTOMER	: PICKRELL DRILLING CO. INC.	LEASE	: BROOKOVER
WELL	: #3-'C' TEST: 6	GEOLOGIST	: B. KLAVER
ELEVATION	: 2900	FORMATION	: LANSING G-H-I
SECTION	: 22	TOWNSHIP	: 13S
RANGE	: 30W	COUNTY	: GOVE
GAUGE SN#	: 6233	STATE	: KANSAS
		RANGE	: 4000
		CLOCK	: 12

INTERVAL FROM	: 4050	TO	: 4117	TOTAL DEPTH	: 4117
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4045	SIZE	: 6.75		
PACKER DEPTH	: 4050	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: PICKRELL RIG #10		
MUD TYPE	: CHEMICAL	VISCOSITY	: 52
WEIGHT	: 9.5	WATER LOSS (CC)	: 11.2
CHLORIDES (PPM)	: 2000		
JARS-MAKE	: --	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 155	FT	I.D. inch	: 2.20
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 3875	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 67	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-2INCHES
 BLOW COMMENT #2 : IN WATER. FIANL FLOW: FAIR BLOW
 BLOW COMMENT #3 : INCREASED TO STRONG-10 INCHES IN
 BLOW COMMENT #4 : WATER.

RECOVERED	: 2	FT OF: OIL	0.01 Barrels
RECOVERED	: 55	FT OF: MUD CUT OIL	0.26 Barrels
RECOVERED	: 0	FT OF: (55% OIL; 45% MUD)	0.00 Barrels
RECOVERED	: 60	FT OF: OIL CUT MUD	0.28 Barrels
RECOVERED	: 0	FT OF: (30% OIL; 70% MUD)	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 =	10.6 Bpd

REMARK 1 : CHLORIDES: 4000 PPM
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 6:00 PM	TIME STARTED OFF BOTTOM	: 9:00 PM
WELL TEMPERATURE	: 122		
INITIAL HYDROSTATIC PRESSURE		(A)	2101
INITIAL FLOW PERIOD	MIN: 30	(B)	43 PSI TO (C) : 49
INITIAL CLOSED IN PERIOD	MIN: 45	(D)	115
FINAL FLOW PERIOD	MIN: 45	(E)	71 PSI TO (F) : 75
FINAL CLOSED IN PERIOD	MIN: 60	(G)	1144
FINAL HYDROSTATIC PRESSURE		(H)	2091

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER

WELL : #3-'C' JOB # : 8634

GAUGE # : 6233 DEPTH : 4117

MON/DAY : 5/13

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	6: 0: 0	0 0.000	43.00	122.0	0.00	0.00
2	6: 5: 0	5 0.083	43.00	122.0	0.00	0.00
3	6:10: 0	10 0.167	43.00	122.0	0.00	0.00
4	6:15: 0	15 0.250	44.00	122.0	1.00	12.01
5	6:20: 0	20 0.333	46.00	122.0	3.00	24.02
6	6:25: 0	25 0.417	48.00	122.0	5.00	23.95
7	6:30: 0	30 0.500	49.00	122.0	6.00	12.01
8	6:33: 0	33 0.550	53.00	122.0	10.00	79.92
9	6:36: 0	36 0.600	67.00	122.0	24.00	279.73
10	6:39: 0	39 0.650	83.00	122.0	40.00	321.25
11	6:42: 0	42 0.700	105.00	122.0	62.00	439.57
12	6:45: 0	45 0.750	138.00	122.0	95.00	659.36
13	6:48: 0	48 0.800	179.00	122.0	136.00	819.20
14	6:51: 0	51 0.850	245.00	122.0	202.00	1318.71
15	6:54: 0	54 0.900	349.00	122.0	306.00	2088.16
16	6:57: 0	57 0.950	509.00	122.0	466.00	3196.88
17	7: 0: 0	60 1.000	681.00	122.0	638.00	3436.64
18	7: 3: 0	63 1.050	826.00	122.0	783.00	2897.17
19	7: 6: 0	66 1.100	948.00	122.0	905.00	2437.62
20	7: 9: 0	69 1.150	1025.00	122.0	982.00	1546.04
21	7:12: 0	72 1.200	1075.00	122.0	1032.00	999.02
22	7:15: 0	75 1.250	115.00	122.0	72.00	-19181.27
23	7:16: 0	76 1.267	71.00	122.0	28.00	-2650.35
24	7:20: 0	80 1.333	71.00	122.0	28.00	0.00
25	7:25: 0	85 1.417	71.00	122.0	28.00	0.00
26	7:30: 0	90 1.500	71.00	122.0	28.00	0.00
27	7:35: 0	95 1.583	71.00	122.0	28.00	0.00
28	7:40: 0	100 1.667	72.00	122.0	29.00	11.98
29	7:45: 0	105 1.750	73.00	122.0	30.00	12.01
30	7:50: 0	110 1.833	74.00	122.0	31.00	12.01
31	7:55: 0	115 1.917	75.00	122.0	32.00	11.98
32	8: 0: 0	120 2.000	75.00	122.0	32.00	0.00
33	8: 3: 0	123 2.050	85.00	122.0	42.00	199.80
34	8: 6: 0	126 2.100	105.00	122.0	62.00	399.61
35	8: 9: 0	129 2.150	136.00	122.0	93.00	622.43
36	8:12: 0	132 2.200	170.00	122.0	127.00	679.34
37	8:15: 0	135 2.250	233.00	122.0	190.00	1258.77
38	8:18: 0	138 2.300	319.00	122.0	276.00	1718.32
39	8:21: 0	141 2.350	445.00	122.0	402.00	2517.54
40	8:24: 0	144 2.400	604.00	122.0	561.00	3192.47
41	8:27: 0	147 2.450	749.00	122.0	706.00	2897.17
42	8:30: 0	150 2.500	872.00	122.0	829.00	2457.60
43	8:33: 0	153 2.550	962.00	122.0	919.00	1798.24
44	8:36: 0	156 2.600	1019.00	122.0	976.00	1138.89
45	8:39: 0	159 2.650	1057.00	122.0	1014.00	762.98
46	8:42: 0	162 2.700	1082.00	122.0	1039.00	499.51
47	8:45: 0	165 2.750	1101.00	122.0	1058.00	379.63
48	8:48: 0	168 2.800	1115.00	122.0	1072.00	279.73
49	8:51: 0	171 2.850	1125.00	122.0	1082.00	199.80

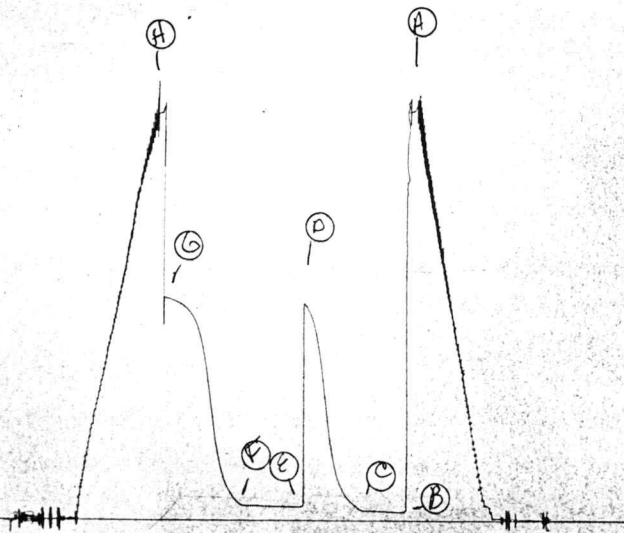
COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER
WELL : #3-'C' JOB # : 8634
GAUGE # : 6233 DEPTH : 4117
MON/DAY : 5/13

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	8:54: 0	174 2.900	1134.00	122.0	1091.00	180.71
51	8:57: 0	177 2.950	1140.00	122.0	1097.00	119.88
52	9: 0: 0	180 3.000	1144.00	122.0	1101.00	79.92

6233

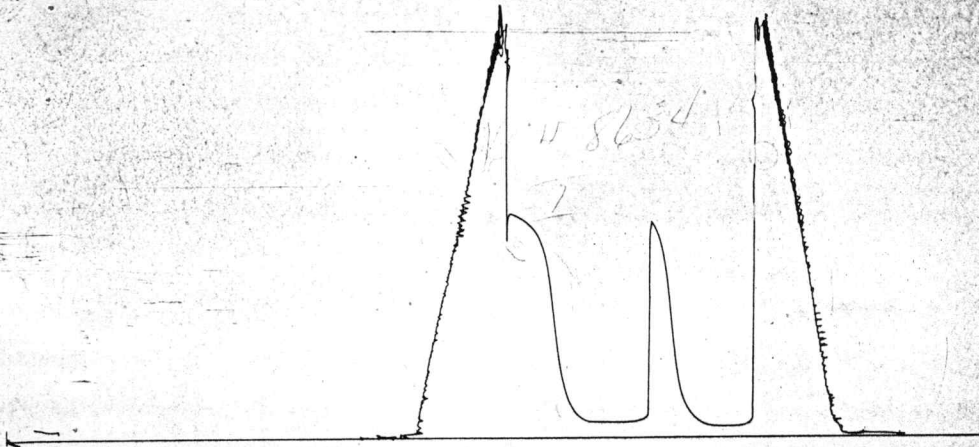
24 # 8634
1



13460

2Kt # 8634

0



SUBSURFACE PRESSURE SURVEY

DATE	: 5-15-86	TICKET	: 8635
CUSTOMER	: PICKRELL DRILLING CO. INC.	LEASE	: BROOKOVER
WELL	: #3-'C' TEST: 7	GEOLOGIST	: B. KLAVER
ELEVATION	: 2900	FORMATION	: MYRICK STATION
SECTION	: 22	TOWNSHIP	: 13S
RANGE	: 30W	COUNTY	: GOVE
GAUGE SN#	: 6233	RANGE	: 4000
		STATE	: KANSAS
		CLOCK	: 12

INTERVAL FROM	: 4315	TO	: 4392	TOTAL DEPTH	: 4392
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4310	SIZE	: 6.75		
PACKER DEPTH	: 4315	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: PICKRELL DRILLING RIG #10		
MUD TYPE	: CHEMICAL	VISCOSITY	: 50
WEIGHT	: 9.5	WATER LOSS (CC)	: 11.2
CHLORIDES (PPM)	: 3000		
JARS-MAKE	: --	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 123	FT	I.D. inch	: 2.20
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 4172	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 77	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 : WEAK BLOW DIED IN 25 MINUTES ON
 BLOW COMMENT #2 : THE INITIAL FLOW.
 BLOW COMMENT #3 : NO BLOW ON THE FINAL FLOW.
 BLOW COMMENT #4 :

RECOVERED	: 10	FT OF: MUD.	0.05 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 =	0.0	Total Production =	1.1 Bpd

REMARK 1 : CHLORIDES: 4000 PPM
 REMARK 2 : FLUSHED TOOL ON THE FINAL FLOW PERIOD.
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 4:10 PM	TIME STARTED OFF BOTTOM	: 6:10 PM
WELL TEMPERATURE	: 126		
INITIAL HYDROSTATIC PRESSURE		(A)	2258
INITIAL FLOW PERIOD	MIN: 30	(B)	32 PSI TO (C) : 32
INITIAL CLOSED IN PERIOD	MIN: 30	(D)	131
FINAL FLOW PERIOD	MIN: 30	(E)	41 PSI TO (F) : 41
FINAL CLOSED IN PERIOD	MIN: 30	(G)	86
FINAL HYDROSTATIC PRESSURE		(H)	2237

Pressure Transient Report

DATA FILE.....

COMPANY.....PICKRELL DRILLING CO. INC.

DATE OF TEST.....5-15-86

FIELD NAME.....BROOKOVER

WELL NAME.....#3-'C'

LOCATION.....GOVE-KANSAS

JOB NUMBER.....8635

GAUGE NUMBER.....6233

GAUGE DEPTH.....4392

COMMENTS

CHLORIDES: 4000 PPM

FLUSHED TOOL ON THE FINAL FLOW PERIOD.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	5./15/86.	4.: 10.: 0.

COMPANY : PICKRELL DRILLING CO., INC. FIELD : BROOKOVER
WELL : #3-'C' JOB # : 8635
GAUGE # : 6233 DEPTH : 4392
MON/DAY : 5/15

PAGE 1

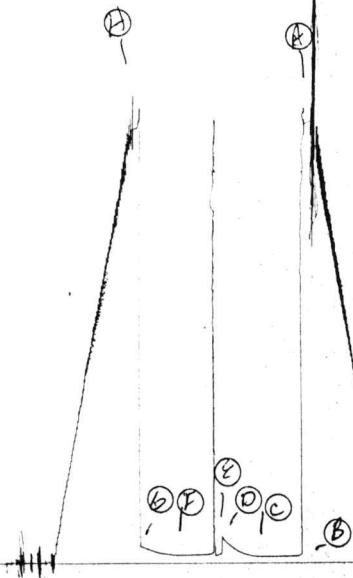
REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	4:10: 0	0 0.000	32.00	126.0	0.00	0.00
2	4:15: 0	5 0.083	32.00	126.0	0.00	0.00
3	4:20: 0	10 0.167	32.00	126.0	0.00	0.00
4	4:25: 0	15 0.250	32.00	126.0	0.00	0.00
5	4:30: 0	20 0.333	32.00	126.0	0.00	0.00
6	4:35: 0	25 0.417	32.00	126.0	0.00	0.00
7	4:40: 0	30 0.500	32.00	126.0	0.00	0.00
8	4:43: 0	33 0.550	32.00	126.0	0.00	0.00
9	4:46: 0	36 0.600	34.00	126.0	2.00	39.96
10	4:49: 0	39 0.650	37.00	126.0	5.00	59.94
11	4:52: 0	42 0.700	42.00	126.0	10.00	99.90
12	4:55: 0	45 0.750	50.00	126.0	18.00	159.84
13	4:58: 0	48 0.800	62.00	126.0	30.00	240.94
14	5: 1: 0	51 0.850	75.00	126.0	43.00	259.75
15	5: 4: 0	54 0.900	91.00	126.0	59.00	319.69
16	5: 7: 0	57 0.950	111.00	126.0	79.00	399.61
17	5:10: 0	60 1.000	131.00	126.0	99.00	399.61
18	5:11: 0	61 1.017	41.00	126.0	9.00	-5421.18
19	5:15: 0	65 1.083	41.00	126.0	9.00	0.00
20	5:20: 0	70 1.167	44.00	126.0	12.00	36.04
21	5:25: 0	75 1.250	42.00	126.0	10.00	-23.95
22	5:30: 0	80 1.333	41.00	126.0	9.00	-12.01
23	5:35: 0	85 1.417	41.00	126.0	9.00	0.00
24	5:40: 0	90 1.500	41.00	126.0	9.00	0.00
25	5:43: 0	93 1.550	41.00	126.0	9.00	0.00
26	5:46: 0	96 1.600	43.00	126.0	11.00	39.96
27	5:49: 0	99 1.650	45.00	126.0	13.00	39.96
28	5:52: 0	102 1.700	47.00	126.0	15.00	39.96
29	5:55: 0	105 1.750	50.00	126.0	18.00	59.94
30	5:58: 0	108 1.800	54.00	126.0	22.00	80.31
31	6: 1: 0	111 1.850	60.00	126.0	28.00	119.88
32	6: 4: 0	114 1.900	68.00	126.0	36.00	159.84
33	6: 7: 0	117 1.950	75.00	126.0	43.00	139.86
34	6:10: 0	120 2.000	86.00	126.0	54.00	219.79

6233

4

Alt # 8635

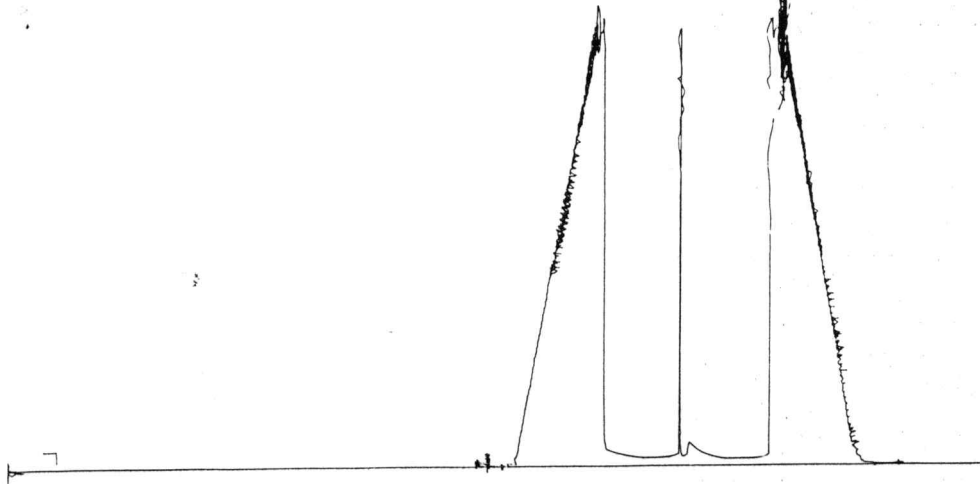
I



13462

JK # 8635
0

4



SUBSURFACE PRESSURE SURVEY

DATE	: 5-16-86	TICKET	: 8636
CUSTOMER	: PICKRELL DRILLING CO. INC.	LEASE	: BROOKOVER
WELL	: #3-'C' TEST: 8	GEOLOGIST	: B. KLAVER
ELEVATION	: 2900	FORMATION	: FT. SCOTT
SECTION	: 22	TOWNSHIP	: 13S
RANGE	: 30W	COUNTY	: GOVE
GAUGE SN#	: 6233	STATE	: KANSAS
		RANGE	: 4000
		CLOCK	: 12

INTERVAL FROM	: 4390	TO	: 4455	TOTAL DEPTH	: 4455
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4385	SIZE	: 6.75		
PACKER DEPTH	: 4390	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: PICKRELL DRILLING RIG #10		
MUD TYPE	: CHEMICAL	VISCOSITY	: 50
WEIGHT	: 9.5	WATER LOSS (CC)	: 11.2
CHLORIDES (PPM)	: 3000		
JARS-MAKE	: --	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 155	FT	I.D. inch	: 2.20
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 4215	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	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; WEAK STEADY BLOW;
 BLOW COMMENT #2 : 1/2" IN WATER.
 BLOW COMMENT #3 : FINAL FLOW; WEAK STEADY BLOW;
 BLOW COMMENT #4 : 1/4" IN WATER.

RECOVERED	: 20	FT	OF: OIL CUT MUD	0.09 Barrels
RECOVERED	: 0	FT	OF: (20% OIL; 80% MUD)	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 =	1.8 Bpd	

REMARK 1 : CHLORIDES: 4000 PPM
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 9:10 AM	TIME STARTED OFF BOTTOM	: 12:10 AM
WELL TEMPERATURE	: 128		
INITIAL HYDROSTATIC PRESSURE		(A)	2304
INITIAL FLOW PERIOD	MIN: 30	(B)	43 PSI TO (C) : 43
INITIAL CLOSED IN PERIOD	MIN: 45	(D)	390
FINAL FLOW PERIOD	MIN: 45	(E)	53 PSI TO (F) : 53
FINAL CLOSED IN PERIOD	MIN: 60	(G)	251
FINAL HYDROSTATIC PRESSURE		(H)	2286

Pressure Transient Report

DATA FILE.....

COMPANY.....PICKRELL DRILLING CO. INC.

DATE OF TEST.....5-16-86

FIELD NAME.....BROOKOVER

WELL NAME.....#3-'C'

LOCATION.....GOVE-KANSAS

JOB NUMBER.....8636

GAUGE NUMBER.....6233

GAUGE DEPTH.....4455

COMMENTS

CHLORIDES: 4000 PPM

START UP TIME	(mo/da/yr)	(hr:min:sec)
	5./16/86.	9.: 10.: 0.

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER

WELL : #3-'C' JOB # : 8636

GAUGE # : 6233 DEPTH : 4455

MON/DAY : 5/16

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	9:10: 0	0 0.000	43.00	128.0	0.00	219.79
2	9:15: 0	5 0.083	43.00	128.0	0.00	0.00
3	9:20: 0	10 0.167	43.00	128.0	0.00	0.00
4	9:25: 0	15 0.250	43.00	128.0	0.00	0.00
5	9:30: 0	20 0.333	43.00	128.0	0.00	0.00
6	9:35: 0	25 0.417	43.00	128.0	0.00	0.00
7	9:40: 0	30 0.500	43.00	128.0	0.00	0.00
8	9:43: 0	33 0.550	44.00	128.0	1.00	20.08
9	9:46: 0	36 0.600	45.00	128.0	2.00	19.98
10	9:49: 0	39 0.650	50.00	128.0	7.00	99.90
11	9:52: 0	42 0.700	58.00	128.0	15.00	159.84
12	9:55: 0	45 0.750	69.00	128.0	26.00	219.79
13	9:58: 0	48 0.800	81.00	128.0	38.00	240.94
14	10: 1: 0	51 0.850	91.00	128.0	48.00	199.80
15	10: 4: 0	54 0.900	107.00	128.0	64.00	319.69
16	10: 7: 0	57 0.950	126.00	128.0	83.00	379.63
17	10:10: 0	60 1.000	148.00	128.0	105.00	439.57
18	10:13: 0	63 1.050	178.00	128.0	135.00	602.35
19	10:16: 0	66 1.100	223.00	128.0	180.00	899.12
20	10:19: 0	69 1.150	276.00	128.0	233.00	1058.97
21	10:22: 0	72 1.200	339.00	128.0	296.00	1258.77
22	10:25: 0	75 1.250	390.00	128.0	347.00	1019.00
23	10:26: 0	76 1.267	53.00	128.0	10.00	-20299.29
24	10:30: 0	80 1.333	53.00	128.0	10.00	0.00
25	10:35: 0	85 1.417	53.00	128.0	10.00	0.00
26	10:40: 0	90 1.500	53.00	128.0	10.00	0.00
27	10:45: 0	95 1.583	53.00	128.0	10.00	0.00
28	10:50: 0	100 1.667	53.00	128.0	10.00	0.00
29	10:55: 0	105 1.750	53.00	128.0	10.00	0.00
30	11: 0: 0	110 1.833	53.00	128.0	10.00	0.00
31	11: 5: 0	115 1.917	53.00	128.0	10.00	0.00
32	11:10: 0	120 2.000	53.00	128.0	10.00	0.00
33	11:13: 0	123 2.050	53.00	128.0	10.00	0.00
34	11:16: 0	126 2.100	54.00	128.0	11.00	19.98
35	11:19: 0	129 2.150	57.00	128.0	14.00	59.94
36	11:22: 0	132 2.200	62.00	128.0	19.00	99.90
37	11:25: 0	135 2.250	69.00	128.0	26.00	139.86
38	11:28: 0	138 2.300	74.00	128.0	31.00	100.39
39	11:31: 0	141 2.350	82.00	128.0	39.00	159.84
40	11:34: 0	144 2.400	90.00	128.0	47.00	159.84
41	11:37: 0	147 2.450	96.00	128.0	53.00	119.88
42	11:40: 0	150 2.500	103.00	128.0	60.00	139.86
43	11:43: 0	153 2.550	112.00	128.0	69.00	180.71
44	11:46: 0	156 2.600	122.00	128.0	79.00	199.80
45	11:49: 0	159 2.650	132.00	128.0	89.00	199.80
46	11:52: 0	162 2.700	143.00	128.0	100.00	219.79
47	11:55: 0	165 2.750	158.00	128.0	115.00	299.71
48	11:58: 0	168 2.800	174.00	128.0	131.00	321.25
49	12: 1: 0	171 2.850	191.00	128.0	148.00	339.67

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER

WELL : #3-'C' JOB # : 8636

GAUGE # : 6233 DEPTH : 4455

MON/DAY : 5/16

PAGE 2

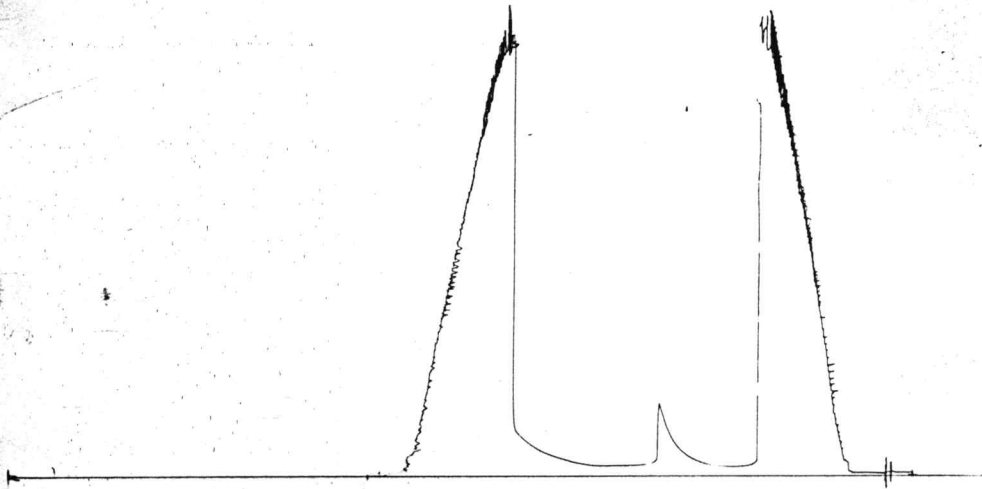
REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
50	12: 4: 0	174 2.900	211.00	128.0	168.00	399.61
51	12: 7: 0	177 2.950	231.00	128.0	188.00	399.61
52	12:10: 0	180 3.000	251.00	128.0	208.00	399.61

13460

4

Kit # 8636

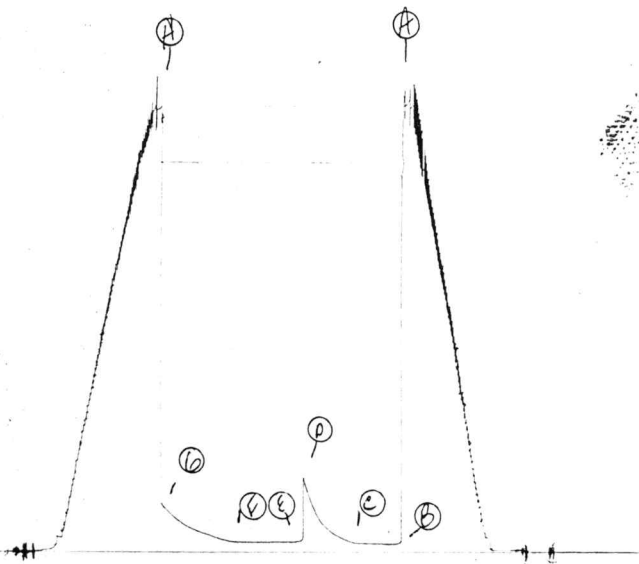
0



6233

4

Alt # 8636
I



SUBSURFACE PRESSURE SURVEY

DATE	: 5-17-86	TICKET	: 8637
CUSTOMER	: PICKRELL DRILLING CO. INC.	LEASE	: BROOKOVER
WELL	: #3-'C' TEST: 9	GEOLOGIST	: B. KLAVER
ELEVATION	: 2900	FORMATION	: MISSISSIPPI
SECTION	: 22	TOWNSHIP	: 13S
RANGE	: 30W	COUNTY	: GOVE
GAUGE SN#	: 6233	STATE	: KANSAS
		RANGE	: 4000
		CLOCK	: 12

INTERVAL FROM	: 4484	TO	: 4537	TOTAL DEPTH	: 4537
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4479	SIZE	: 6.75		
PACKER DEPTH	: 4484	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: PICKRELL DRILLING RIG #10		
MUD TYPE	: CHEMICAL	VISCOSITY	: 59
WEIGHT	: 9.7	WATER LOSS (CC)	: 9.6
CHLORIDES (PPM)	: 2000		
JARS-MAKE	: --	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 155	FT	I.D. inch	: 2.20
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 4309	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 53	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 : WEAK BLOW DIED IN 20 MINUTES ON
 BLOW COMMENT #2 : THE INITIAL FLOW.
 BLOW COMMENT #3 : NO BLOW ON THE FINAL FLOW.
 BLOW COMMENT #4 :

RECOVERED	: 10	FT	OF: MUD.	0.05 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
RECOVERED	: 0	FT	OF:	0.00 Barrels
Total Barrels =	0.0	Total Production =	1.1 Bpd	

REMARK 1 : CHLORIDES: 4000 PPM
 REMARK 2 : FLUSHED TOOL ON THE FINAL FLOW.
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 8:10 AM	TIME STARTED OFF BOTTOM	: 10:10 AM
WELL TEMPERATURE	: 128		
INITIAL HYDROSTATIC PRESSURE		(A)	2352
INITIAL FLOW PERIOD	MIN: 30	(B)	34 PSI TO (C) : 34
INITIAL CLOSED IN PERIOD	MIN: 30	(D)	325
FINAL FLOW PERIOD	MIN: 30	(E)	41 PSI TO (F) : 40
FINAL CLOSED IN PERIOD	MIN: 30	(G)	256
FINAL HYDROSTATIC PRESSURE		(H)	2318

Pressure Transient Report

DATA FILE.....

COMPANY.....PICKRELL DRILLING CO. INC.

DATE OF TEST.....5-17-86

FIELD NAME.....BROOKOVER

WELL NAME.....#3-'C'

LOCATION.....GOVE-KANSAS

JOB NUMBER.....8637

GAUGE NUMBER.....6233

GAUGE DEPTH.....4537]

COMMENTS

CHLORIDES: 4000 PPM

FLUSHED TOOL ON THE FINAL FLOW.

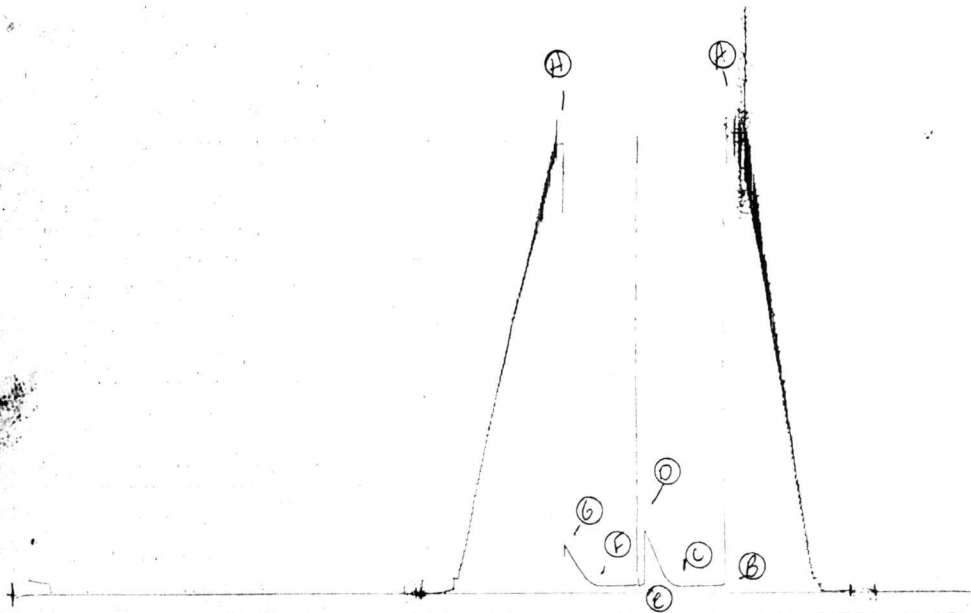
START UP TIME	(mo/da/yr)	(hr:min:sec)
	5./17/86.	8.: 10.: 0.

COMPANY : PICKRELL DRILLING CO, INC. FIELD : BROOKOVER
 WELL : #3-'C' JOB # : 8637
 GAUGE # : 6233 DEPTH : 4537]
 MON/DAY : 5/17

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	8:10: 0	0 0.000	34.00	128.0	0.00	399.61
2	8:15: 0	5 0.083	34.00	128.0	0.00	0.00
3	8:20: 0	10 0.167	34.00	128.0	0.00	0.00
4	8:25: 0	15 0.250	34.00	128.0	0.00	0.00
5	8:30: 0	20 0.333	34.00	128.0	0.00	0.00
6	8:35: 0	25 0.417	34.00	128.0	0.00	0.00
7	8:40: 0	30 0.500	34.00	128.0	0.00	0.00
8	8:43: 0	33 0.550	35.00	128.0	1.00	20.08
9	8:46: 0	36 0.600	36.00	128.0	2.00	19.98
10	8:49: 0	39 0.650	42.00	128.0	8.00	119.88
11	8:52: 0	42 0.700	54.00	128.0	20.00	239.77
12	8:55: 0	45 0.750	82.00	128.0	48.00	559.45
13	8:58: 0	48 0.800	123.00	128.0	89.00	823.22
14	9: 1: 0	51 0.850	174.00	128.0	140.00	1019.00
15	9: 4: 0	54 0.900	223.00	128.0	189.00	979.04
16	9: 7: 0	57 0.950	278.00	128.0	244.00	1098.93
17	9:10: 0	60 1.000	325.00	128.0	291.00	939.08
18	9:11: 0	61 1.017	41.00	128.0	7.00	-17106.82
19	9:15: 0	65 1.083	41.00	128.0	7.00	0.00
20	9:20: 0	70 1.167	41.00	128.0	7.00	0.00
21	9:25: 0	75 1.250	40.00	128.0	6.00	-11.98
22	9:30: 0	80 1.333	40.00	128.0	6.00	0.00
23	9:35: 0	85 1.417	40.00	128.0	6.00	0.00
24	9:40: 0	90 1.500	40.00	128.0	6.00	0.00
25	9:43: 0	93 1.550	40.00	128.0	6.00	0.00
26	9:46: 0	96 1.600	40.00	128.0	6.00	0.00
27	9:49: 0	99 1.650	48.00	128.0	14.00	159.84
28	9:52: 0	102 1.700	67.00	128.0	33.00	379.63
29	9:55: 0	105 1.750	89.00	128.0	55.00	439.57
30	9:58: 0	108 1.800	119.00	128.0	85.00	602.35
31	10: 1: 0	111 1.850	152.00	128.0	118.00	659.36
32	10: 4: 0	114 1.900	186.00	128.0	152.00	679.34
33	10: 7: 0	117 1.950	225.00	128.0	191.00	779.24
34	10:10: 0	120 2.000	256.00	128.0	222.00	619.40

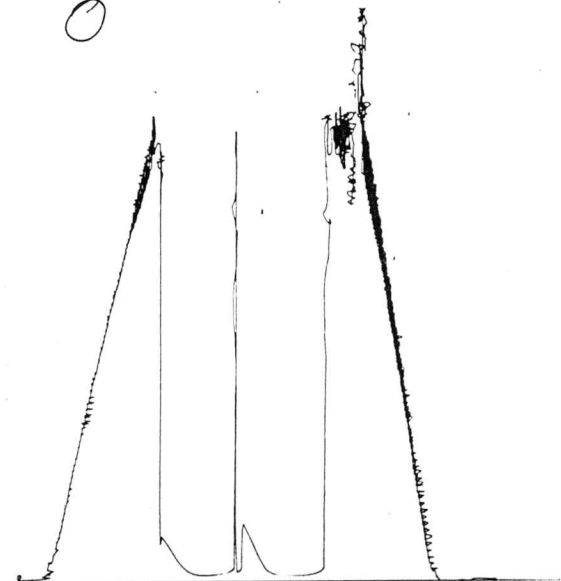
AK # 8637
I



Rt #8637

0

13400



SUBSURFACE PRESSURE SURVEY

DATE : 5-17-86 TICKET : 8638
 CUSTOMER : PICKRELL DRILLING CO. INC. LEASE : BROOKOVER
 WELL : #3-'C' TEST: 10 GEOLOGIST : B. KLAVER
 ELEVATION : 2900 FORMATION : MISSISSIPPI
 SECTION : 22 TOWNSHIP : 13S
 RANGE : 30W COUNTY : GOVE STATE : KANSAS
 GAUGE SN# : 6233 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 4539 TO : 4567 TOTAL DEPTH : 4567
 DEPTH OF SELECTIVE ZONE :
 PACKER DEPTH : 4534 SIZE : 6.75
 PACKER DEPTH : 4539 SIZE : 6.75
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : PICKRELL RIG #10
 MUD TYPE : CHEMICAL VISCOSITY : 59
 WEIGHT : 9.7 WATER LOSS (CC) : 9.6
 CHLORIDES (PPM) : 2000
 JARS-MAKE : -- SERIAL NUMBER :
 DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 186 FT I.D. inch : 2.20
 WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
 DRILL PIPE LENGTH : 4333 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 28 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
 BLOW COMMENT #2 : 25 MINUTES.
 BLOW COMMENT #3 : FINAL FLOW: NO BLOW.
 BLOW COMMENT #4 :

RECOVERED : 20 FT OF: MUD 0.09 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
 RECOVERED : 0 FT OF: 0.00 Barrels
 Total Barrels = 0.1 Total Production = 2.3 Bpd

REMARK 1 :
 REMARK 2 : CHLORIDES: 4000 PPM
 REMARK 3 : FLUSHED TOOL ON THE FINAL FLOW.
 REMARK 4 :

SET PACKER(S) : 10:35 PM TIME STARTED OFF BOTTOM : 12:35 AM
 WELL TEMPERATURE : 128
 INITIAL HYDROSTATIC PRESSURE (A) 2362
 INITIAL FLOW PERIOD MIN: 30 (B) 36 PSI TO (C) : 36
 INITIAL CLOSED IN PERIOD MIN: 33 (D) 1089
 FINAL FLOW PERIOD MIN: 30 (E) 43 PSI TO (F) : 44
 FINAL CLOSED IN PERIOD MIN: 33 (G) 980
 FINAL HYDROSTATIC PRESSURE (H) 2356

Pressure Transient Report

DATA FILE.....

COMPANY.....PICKRELL DRILLING CO. INC.

DATE OF TEST.....5-17-86

FIELD NAME.....BROOKOVER

WELL NAME.....#3-'C'

LOCATION.....GOVE-KANSAS

JOB NUMBER.....8638

GAUGE NUMBER.....6233

GAUGE DEPTH.....4567

COMMENTS

CHLORIDES: 4000

FLUSHED TOOL ON THE FINAL FLOW.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	5./17/86.	10.: 35.: 0.

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER

WELL : #3-'C' JOB # : 8638.

GAUGE # : 6233 DEPTH : 4567

MON/DAY : 5/17

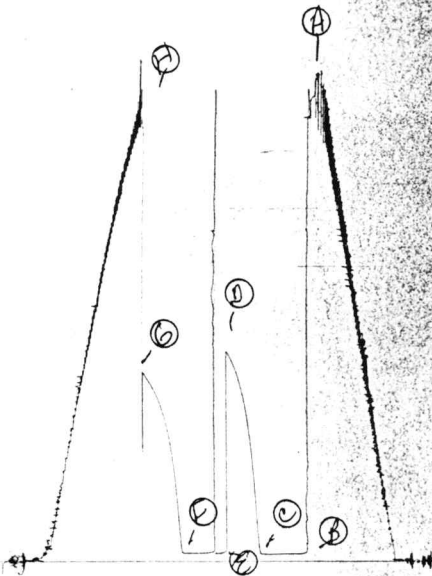
PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	10:35: 0	0 0.000	36.00	128.0	0.00	240.94
2	10:40: 0	5 0.083	36.00	128.0	0.00	0.00
3	10:45: 0	10 0.167	36.00	128.0	0.00	0.00
4	10:50: 0	15 0.250	36.00	128.0	0.00	0.00
5	10:55: 0	20 0.333	36.00	128.0	0.00	0.00
6	11: 0: 0	25 0.417	36.00	128.0	0.00	0.00
7	11: 5: 0	30 0.500	36.00	128.0	0.00	0.00
8	11: 8: 0	33 0.550	36.00	128.0	0.00	0.00
9	11:11: 0	36 0.600	85.00	128.0	49.00	979.04
10	11:14: 0	39 0.650	329.00	128.0	293.00	4875.24
11	11:17: 0	42 0.700	553.00	128.0	517.00	4475.63
12	11:20: 0	45 0.750	703.00	128.0	667.00	3011.76
13	11:23: 0	48 0.800	824.00	128.0	788.00	2417.64
14	11:26: 0	51 0.850	910.00	128.0	874.00	1718.32
15	11:29: 0	54 0.900	978.00	128.0	942.00	1358.67
16	11:32: 0	57 0.950	1027.00	128.0	991.00	979.04
17	11:35: 0	60 1.000	1073.00	128.0	1037.00	923.61
18	11:38: 0	63 1.050	1089.00	128.0	1053.00	319.69
19	11:39: 0	64 1.067	43.00	128.0	7.00	-63006.12
20	11:43: 0	68 1.133	43.00	128.0	7.00	0.00
21	11:48: 0	73 1.217	44.00	128.0	8.00	11.98
22	11:53: 0	78 1.300	44.00	128.0	8.00	0.00
23	11:58: 0	83 1.383	44.00	128.0	8.00	0.00
24	12: 3: 0	88 1.467	44.00	128.0	8.00	0.00
25	12: 8: 0	93 1.550	44.00	128.0	8.00	0.00
26	12:11: 0	96 1.600	64.00	128.0	28.00	399.61
27	12:14: 0	99 1.650	274.00	128.0	238.00	4195.90
28	12:17: 0	102 1.700	457.00	128.0	421.00	3656.43
29	12:20: 0	105 1.750	601.00	128.0	565.00	2891.29
30	12:23: 0	108 1.800	697.00	128.0	661.00	1918.13
31	12:26: 0	111 1.850	774.00	128.0	738.00	1538.50
32	12:29: 0	114 1.900	832.00	128.0	796.00	1158.87
33	12:32: 0	117 1.950	878.00	128.0	842.00	919.10
34	12:35: 0	120 2.000	916.00	128.0	880.00	762.98
35	12:38: 0	123 2.050	948.00	128.0	912.00	639.38
36	12:41: 0	126 2.100	980.00	128.0	944.00	639.38

6233

JK # 8638

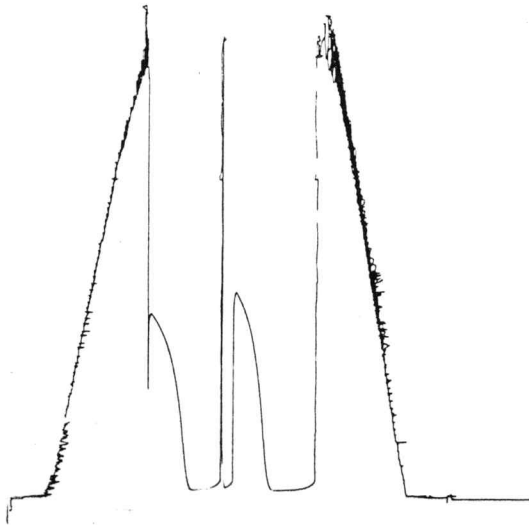
I



13422

NK #8658

O



SUBSURFACE PRESSURE SURVEY

DATE	: 5-18-86	TICKET	: 8639
CUSTOMER	: PICKRELL DRILLING CO. INC.	LEASE	: BROOKOVER
WELL	: #3-'C' TEST: 11	GEOLOGIST	: B. KLAVER
ELEVATION	: 2900	FORMATION	: MISSISSIPPI
SECTION	: 22	TOWNSHIP	: 13S
RANGE	: 30W	COUNTY	: GOVE
GAUGE SN#	: 6233	STATE	: KANSAS
		RANGE	: 4000
		CLOCK	: 12

INTERVAL FROM	: 4568	TO	: 4597	TOTAL DEPTH	: 4597
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4563	SIZE	: 6.75		
PACKER DEPTH	: 4568	SIZE	: 6.75		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: PICKRELL RIG #10		
MUD TYPE	: CHEMICAL	VISCOSITY	: 61
WEIGHT	: 9.6	WATER LOSS (CC)	: 9.6
CHLORIDES (PPM)	: 2000		
JARS-MAKE	: --	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 186	FT	I.D. inch	: 2.20
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 4362	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 29	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 ON
 BLOW COMMENT #2 : TOP OF WATER.
 BLOW COMMENT #3 : FINAL FLOW: NO BLOW.
 BLOW COMMENT #4 :

RECOVERED	: 60	FT OF: MUD.	0.28 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
RECOVERED	: 0	FT OF:	0.00 Barrels
Total Barrels =	0.3	Total Production =	6.8 Bpd

REMARK 1 : CHLORIDES: 4000 PPM
 REMARK 2 : FLUSHED TOOL ON FINAL FLOW.
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 1:40 PM	TIME STARTED OFF BOTTOM	: 3:40 PM
WELL TEMPERATURE	: 127		
INITIAL HYDROSTATIC PRESSURE		(A)	2358
INITIAL FLOW PERIOD	MIN: 30	(B)	42 PSI TO (C) : 42
INITIAL CLOSED IN PERIOD	MIN: 30	(D)	1146
FINAL FLOW PERIOD	MIN: 30	(E)	58 PSI TO (F) : 58
FINAL CLOSED IN PERIOD	MIN: 33	(G)	1085
FINAL HYDROSTATIC PRESSURE		(H)	2332

Pressure Transient Report

DATA FILE.....

COMPANY.....PICKRELL DRILLING CO. INC.

DATE OF TEST.....5-18-86

FIELD NAME.....BROOKOVER

WELL NAME.....#3-'C'

LOCATION.....GOVE-KANSAS

JOB NUMBER.....8639

GAUGE NUMBER.....6233

GAUGE DEPTH.....4597]

COMMENTS

CHLORIDES: 4000 PPM

FLUSHED TOOL ON THE FINAL FLOW.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	5./18/86.	1.: 40.: 0.

COMPANY : PICKRELL DRILLING CO. INC. FIELD : BROOKOVER
WELL : #3-'C' JOB # :-8639
GAUGE # : 6233 DEPTH : 4597]
MON/DAY : 5/18

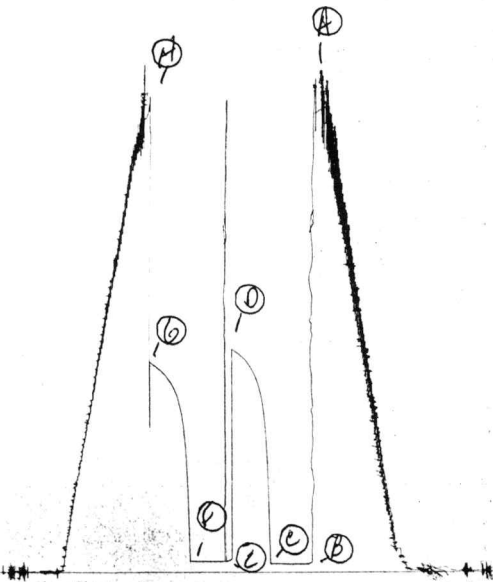
PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	1:40: 0	0 0.000	42.00	127.0	0.00	0.00
2	1:45: 0	5 0.083	42.00	127.0	0.00	0.00
3	1:50: 0	10 0.167	42.00	127.0	0.00	0.00
4	1:55: 0	15 0.250	42.00	127.0	0.00	0.00
5	2: 0: 0	20 0.333	42.00	127.0	0.00	0.00
6	2: 5: 0	25 0.417	42.00	127.0	0.00	0.00
7	2:10: 0	30 0.500	42.00	127.0	0.00	0.00
8	2:13: 0	33 0.550	408.00	127.0	366.00	7348.71
9	2:16: 0	36 0.600	743.00	127.0	701.00	6693.46
10	2:19: 0	39 0.650	898.00	127.0	856.00	3096.98
11	2:22: 0	42 0.700	976.00	127.0	934.00	1558.48
12	2:25: 0	45 0.750	1025.00	127.0	983.00	979.04
13	2:28: 0	48 0.800	1061.00	127.0	1019.00	722.82
14	2:31: 0	51 0.850	1093.00	127.0	1051.00	639.38
15	2:34: 0	54 0.900	1113.00	127.0	1071.00	399.61
16	2:37: 0	57 0.950	1130.00	127.0	1088.00	339.67
17	2:40: 0	60 1.000	1146.00	127.0	1104.00	319.69
18	2:41: 0	61 1.017	58.00	127.0	16.00	-65536.00
19	2:45: 0	65 1.083	58.00	127.0	16.00	0.00
20	2:50: 0	70 1.167	58.00	127.0	16.00	0.00
21	2:55: 0	75 1.250	58.00	127.0	16.00	0.00
22	3: 0: 0	80 1.333	58.00	127.0	16.00	0.00
23	3: 5: 0	85 1.417	58.00	127.0	16.00	0.00
24	3:10: 0	90 1.500	58.00	127.0	16.00	0.00
25	3:13: 0	93 1.550	402.00	127.0	360.00	6906.98
26	3:16: 0	96 1.600	669.00	127.0	627.00	5334.79
27	3:19: 0	99 1.650	820.00	127.0	778.00	3017.05
28	3:22: 0	102 1.700	906.00	127.0	864.00	1718.32
29	3:25: 0	105 1.750	952.00	127.0	910.00	919.10
30	3:28: 0	108 1.800	990.00	127.0	948.00	762.98
31	3:31: 0	111 1.850	1015.00	127.0	973.00	499.51
32	3:34: 0	114 1.900	1039.00	127.0	997.00	479.53
33	3:37: 0	117 1.950	1057.00	127.0	1015.00	359.65
34	3:40: 0	120 2.000	1073.00	127.0	1031.00	319.69
35	3:43: 0	123 2.050	1085.00	127.0	1043.00	240.94

6733

SK-118639

I



13400

24 # 8639

0

