

DST REPORT

GENERAL INFORMATION

DATE : 10/21/94
CUSTOMER : PICKRELL DRLG COMPANY INC
WELL : #2 TEST: 1
ELEVATION : 2486KB
SECTION : 23
RANGE : 26W COUNTY: NESS
GAUGE SN#: 11018 RANGE : 4425

TICKET : 19815
LEASE : BAUER TRUST "J"
GEOLOGIST: KLIEWER
FORMATION: FORT SCOTT
TOWNSHIP : 17S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4300.00 ft TO: 4342.00 ft TVD: 4342.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4303.0 ft 4339.0 ft
TEMPERATURE: 118.0

DRILL COLLAR LENGTH:	180.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4100.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	42.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH:	4295.0 ft	SIZE:	6.625 in
PACKER DEPTH:	4300.0 ft	SIZE:	6.625 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : COMPANY TOOLS RIG 10
MUD TYPE : CHEMICAL
WEIGHT : 9.500 ppg
CHLORIDES : 2800 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 51.00 cp
WATER LOSS: 9.600 cc

SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW: WEAK STEADY BLOW, 1 INCH.
FINAL FLOW: WEAK BLOW, 1 INCH DECREASING TO 1/4
INCH BY END.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	180 FT GAS ABOVE FLUID
10.0	30.0	0.0	0.0	70.0	OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0141	STB	TOTAL FLOW TIME:	120.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.5642	STB/D
MUD VOLUME:	0.0329	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0470	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2180.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	36.00	36.00
INITIAL SHUT-IN	60.00		124.00
FINAL FLOW	90.00	42.00	44.00
FINAL SHUT-IN	90.00		180.00

FINAL HYDROSTATIC PRESSURE: 2156.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2244.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	54.00	54.00
INITIAL SHUT-IN	60.00		144.00
FINAL FLOW	90.00	61.00	61.00
FINAL SHUT-IN	90.00		198.00

FINAL HYDROSTATIC PRESSURE: 2198.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 10/21/94	TICKET	: 19815
CUSTOMER	: PICKRELL DRLG COMPANY INC	LEASE	: BAUER TRUST "J"
WELL	: #2	TEST:	1
ELEVATION:	2486KB	GEOLOGIST:	KLIEWER
SECTION	: 23	FORMATION:	FORT SCOTT
RANGE	: 26W	COUNTY:	NESS
GAUGE SN#:	11018	RANGE	: 4425
		STATE	: KS
		CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	54.00	54.00
5.00	54.00	0.00
10.00	54.00	0.00
15.00	54.00	0.00
20.00	54.00	0.00
25.00	54.00	0.00
30.00	54.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	54.00	54.00	11.00
6.00	54.00	0.00	6.00
9.00	54.00	0.00	4.33
12.00	54.00	0.00	3.50
15.00	55.00	1.00	3.00
18.00	56.00	1.00	2.67
21.00	57.00	1.00	2.43
24.00	59.00	2.00	2.25
27.00	62.00	3.00	2.11
30.00	67.00	5.00	2.00
33.00	73.00	6.00	1.91
36.00	78.00	5.00	1.83
39.00	84.00	6.00	1.77
42.00	91.00	7.00	1.71
45.00	98.00	7.00	1.67
48.00	105.00	7.00	1.63
51.00	113.00	8.00	1.59
54.00	121.00	8.00	1.56
57.00	132.00	11.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	144.00	12.00	1.50

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	61.00	61.00
5.00	61.00	0.00
10.00	61.00	0.00
15.00	61.00	0.00
20.00	61.00	0.00
25.00	61.00	0.00
30.00	61.00	0.00
35.00	61.00	0.00
40.00	61.00	0.00
45.00	61.00	0.00
50.00	61.00	0.00
55.00	61.00	0.00
60.00	61.00	0.00
65.00	61.00	0.00
70.00	61.00	0.00
75.00	61.00	0.00
80.00	61.00	0.00
85.00	61.00	0.00
90.00	61.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	61.00	61.00	31.00
6.00	61.00	0.00	16.00
9.00	61.00	0.00	11.00
12.00	62.00	1.00	8.50
15.00	64.00	2.00	7.00
18.00	68.00	4.00	6.00
21.00	72.00	4.00	5.29
24.00	76.00	4.00	4.75
27.00	80.00	4.00	4.33
30.00	85.00	5.00	4.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

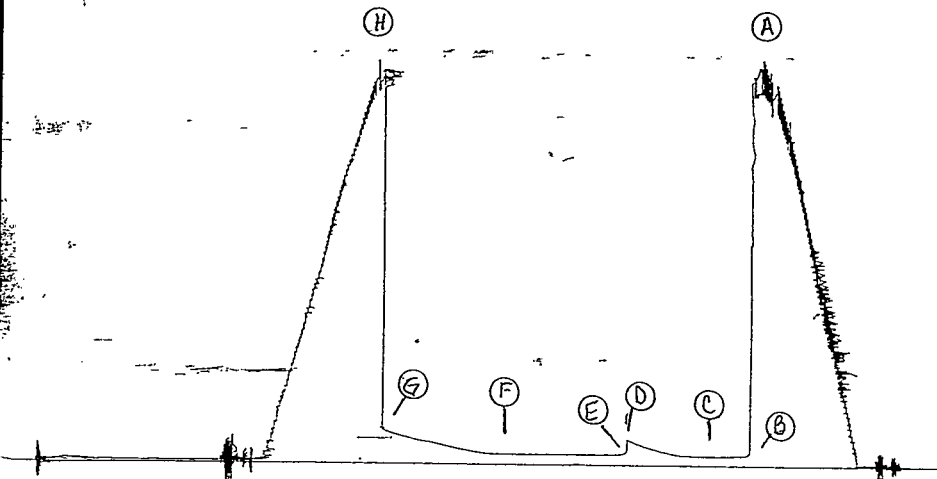
Time (min)	Pressure	Delta P	Horner T
33.00	89.00	4.00	3.73
36.00	94.00	5.00	3.50
39.00	99.00	5.00	3.31
42.00	104.00	5.00	3.14
45.00	109.00	5.00	3.00
48.00	115.00	6.00	2.88
51.00	120.00	5.00	2.76
54.00	125.00	5.00	2.67
57.00	129.00	4.00	2.58
60.00	133.00	4.00	2.50
63.00	136.00	3.00	2.43
66.00	141.00	5.00	2.36
69.00	147.00	6.00	2.30
72.00	153.00	6.00	2.25
75.00	160.00	7.00	2.20
78.00	166.00	6.00	2.15
81.00	172.00	6.00	2.11
84.00	179.00	7.00	2.07
87.00	187.00	8.00	2.03
90.00	198.00	11.00	2.00

DST #1 ROCK/11012 INSIDE

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JKT # 19815

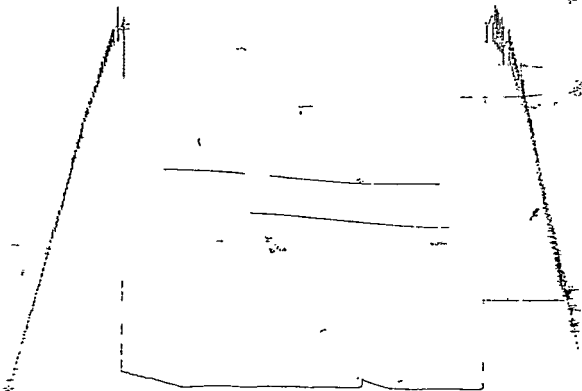
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DST #1 ROC #0234 OUTSIDE

Mt # 19815

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DST REPORT

GENERAL INFORMATION

DATE	: 10/22/94	TICKET	: 19816
CUSTOMER	: PICKRELL DRLG COMPANY INC	LEASE	: BAUER TRUST "J"
WELL	: #2	TEST: 2	GEOLOGIST: KIEWER
ELEVATION	: 2486KB	FORMATION	: MISSISSIPPI
SECTION	: 23	TOWNSHIP	: 17S
RANGE	: 26W	STATE	: KS
GAUGE SN#	: 11018	CLOCK	: 12
	COUNTY: NESS		
	RANGE : 4425		

WELL INFORMATION

PERFORATION INTERVAL FROM:	4378.00 ft	TO:	4423.00 ft	TVD:	4423.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4381.0 ft		4420.0 ft		
TEMPERATURE:	126.0				
DRILL COLLAR LENGTH:	180.0 ft	I.D.:		2.200 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4178.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	45.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	4373.0 ft	SIZE:		6.625 in	
PACKER DEPTH:	4378.0 ft	SIZE:		6.625 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	COMPANY TOOLS RIG 10	VISCOSITY :	46.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.000 cc
WEIGHT :	9.400 ppg	SERIAL NUMBER:	
CHLORIDES :	3000 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW: STRONG, BOTTOM OF BUCKET IN 15
MINUTES, 1 INCH BLOWBACK.
FINAL FLOW: STRONG, BOTTOM OF BUCKET IN 16 MINUTES

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	300 FT GAS ABOVE FLUID
1100.0	85.0	15.0	0.0	0.0	CLEAN GASSY OIL
0.0	0.0	0.0	0.0	0.0	GRAVITY 37 @ 60 DEG. F.
120.0	60.0	15.0	0.0	25.0	MUDDY GASSY OIL

RATE INFORMATION

OIL VOLUME: 12.9776 STB
 GAS VOLUME: 12.9990 SCF
 MUD VOLUME: 0.1410 STB
 WATER VOLUME: 0.0000 STB
 TOTAL FLUID : 13.1186 STB

TOTAL FLOW TIME: 150.0000 min.
 AVERAGE OIL RATE: 125.9386 STB/D
 AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2180.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	56.00	103.00
INITIAL SHUT-IN	60.00		1190.00
FINAL FLOW	120.00	170.00	394.00
FINAL SHUT-IN	120.00		1180.00

FINAL HYDROSTATIC PRESSURE: 2154.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2217.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	81.00	127.00
INITIAL SHUT-IN	60.00		1199.00
FINAL FLOW	120.00	187.00	411.00
FINAL SHUT-IN	123.00		1186.00

FINAL HYDROSTATIC PRESSURE: 2172.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 10/22/94	TICKET	: 19816
CUSTOMER	: PICKRELL DRLG COMPANY INC	LEASE	: BAUER TRUST "J"
WELL	: #2	GEOLOGIST	: KLIEWER
ELEVATION	: 2486KB	FORMATION	: MISSISSIPPI
SECTION	: 23	TOWNSHIP	: 17S
RANGE	: 26W	STATE	: KS
GAUGE SN#	: 11018	CLOCK	: 12
	COUNTY: NESS		
	RANGE : 4425		

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	81.00	81.00
5.00	81.00	0.00
10.00	84.00	3.00
15.00	93.00	9.00
20.00	102.00	9.00
25.00	113.00	11.00
30.00	127.00	14.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1048.00	1048.00	11.00
6.00	1107.00	59.00	6.00
9.00	1134.00	27.00	4.33
12.00	1149.00	15.00	3.50
15.00	1160.00	11.00	3.00
18.00	1167.00	7.00	2.67
21.00	1174.00	7.00	2.43
24.00	1177.00	3.00	2.25
27.00	1181.00	4.00	2.11
30.00	1183.00	2.00	2.00
33.00	1185.00	2.00	1.91
36.00	1187.00	2.00	1.83
39.00	1189.00	2.00	1.77
42.00	1191.00	2.00	1.71
45.00	1194.00	3.00	1.67
48.00	1195.00	1.00	1.63
51.00	1196.00	1.00	1.59
54.00	1197.00	1.00	1.56
57.00	1198.00	1.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	1199.00	1.00	1.50

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	187.00	187.00
5.00	187.00	0.00
10.00	189.00	2.00
15.00	190.00	1.00
20.00	194.00	4.00
25.00	205.00	11.00
30.00	216.00	11.00
35.00	227.00	11.00
40.00	238.00	11.00
45.00	250.00	12.00
50.00	262.00	12.00
55.00	273.00	11.00
60.00	284.00	11.00
65.00	294.00	10.00
70.00	304.00	10.00
75.00	315.00	11.00
80.00	327.00	12.00
85.00	337.00	10.00
90.00	347.00	10.00
95.00	358.00	11.00
100.00	369.00	11.00
105.00	380.00	11.00
110.00	391.00	11.00
115.00	401.00	10.00
120.00	411.00	10.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	976.00	976.00	41.00
6.00	1062.00	86.00	21.00
9.00	1090.00	28.00	14.33
12.00	1106.00	16.00	11.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

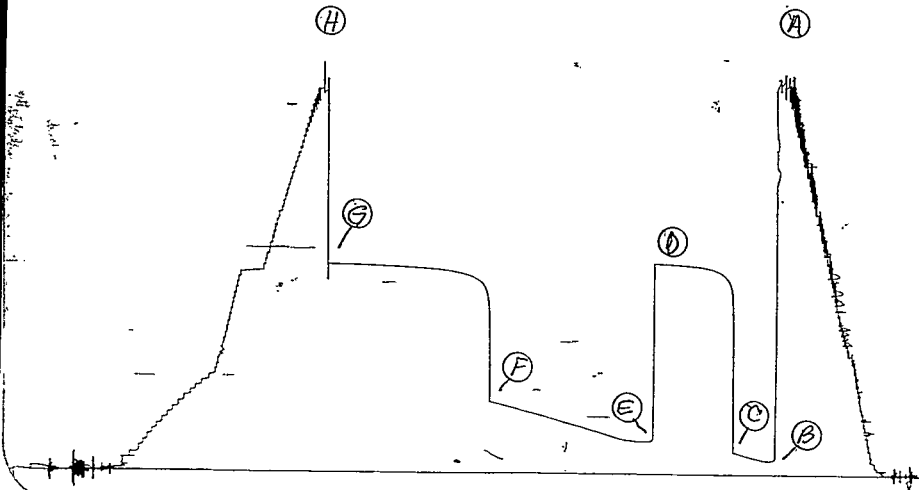
Time (min)	Pressure	Delta P	Horner T
15.00	1117.00	11.00	9.00
18.00	1124.00	7.00	7.67
21.00	1132.00	8.00	6.71
24.00	1137.00	5.00	6.00
27.00	1143.00	6.00	5.44
30.00	1147.00	4.00	5.00
33.00	1152.00	5.00	4.64
36.00	1154.00	2.00	4.33
39.00	1156.00	2.00	4.08
42.00	1159.00	3.00	3.86
45.00	1161.00	2.00	3.67
48.00	1163.00	2.00	3.50
51.00	1164.00	1.00	3.35
54.00	1166.00	2.00	3.22
57.00	1168.00	2.00	3.11
60.00	1170.00	2.00	3.00
63.00	1170.00	0.00	2.90
66.00	1171.00	1.00	2.82
69.00	1172.00	1.00	2.74
72.00	1173.00	1.00	2.67
75.00	1175.00	2.00	2.60
78.00	1176.00	1.00	2.54
81.00	1176.00	0.00	2.48
84.00	1177.00	1.00	2.43
87.00	1178.00	1.00	2.38
90.00	1179.00	1.00	2.33
93.00	1180.00	1.00	2.29
96.00	1181.00	1.00	2.25
99.00	1182.00	1.00	2.21
102.00	1183.00	1.00	2.18
105.00	1183.00	0.00	2.14
108.00	1184.00	1.00	2.11
111.00	1184.00	0.00	2.08
114.00	1185.00	1.00	2.05
117.00	1185.00	0.00	2.03
120.00	1186.00	1.00	2.00
123.00	1186.00	0.00	1.98

DST #2 REC# 11818 INSIDE

Ykt # 19816

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DST #2 TICKET #13629 OUTSIDE

Mt # 19816

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