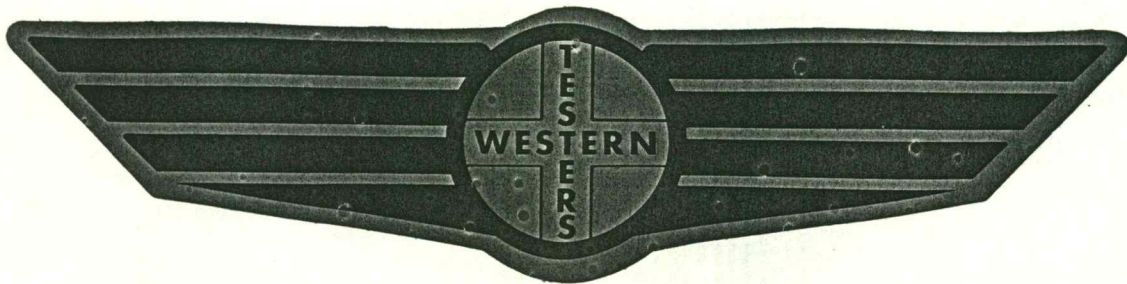


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 313-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 12/17/94	TICKET	: 20256
CUSTOMER	: McCOY PETROLEUM CORP.	LEASE	: GRACE A
WELL	: #1-5	TEST: 1	GEOLOGIST: HASTINGS
ELEVATION	: 3239KB	FORMATION	: MORROW
SECTION	: 5	TOWNSHIP	: 34S
RANGE	: 38W	COUNTY: STEVENS	STATE : KS
GAUGE SN#	: 10242	RANGE : 4100	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	6214.00 ft	TO:	6239.00 ft	TVD:	6239.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	GAS
DEPTH OF RECORDERS:	6226.0 ft		6229.0 ft		
TEMPERATURE:	152.0				
DRILL COLLAR LENGTH:	275.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	5911.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	25.0 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:	6209.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	6214.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	SWEETMAN RIG #1	VISCOSITY :	50.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	5.400 cc
WEIGHT :	8.900 ppg	SERIAL NUMBER:	406
CHLORIDES :	500 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW: GAS TO SURFACE IN 2 MINUTES. SEE
GAS FLOW CHART FOR MEASUREMENTS.
FINAL FLOW: SEE GAS FLOW CHART.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
50.0	100.0	0.0	0.0	0.0	CONDENSATE
40.0	0.0	0.0	100.0	0.0	WATER- CHLORIDES 8000 PPM

RATE INFORMATION

OIL VOLUME:	0.2459	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.0000	STB		
WATER VOLUME:	0.1967	STB		
TOTAL FLUID :	0.4426	STB		
			TOTAL FLOW TIME:	85.0000 min.
			AVERAGE OIL RATE:	4.1654 STB/D
			AVERAGE WATER RATE:	3.3323 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3083.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	766.00	1103.00
INITIAL SHUT-IN	60.00		1794.00
FINAL FLOW	60.00	1132.00	1226.00
FINAL SHUT-IN	120.00		1794.00

FINAL HYDROSTATIC PRESSURE: 3029.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3060.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	770.00	1106.00
INITIAL SHUT-IN	57.00		1797.00
FINAL FLOW	55.00	1140.00	1231.00
FINAL SHUT-IN	114.00		1793.00

FINAL HYDROSTATIC PRESSURE: 3023.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 12/17/94	TICKET : 20256
CUSTOMER : McCOY PETROLEUM CORP.	LEASE : GRACE A
WELL : #1-5 TEST: 1	GEOLOGIST: HASTINGS
ELEVATION: 3239KB	FORMATION: MORROW
SECTION : 5	TOWNSHIP : 34S
RANGE : 38W COUNTY: STEVENS	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	1.500	16 PSIG	1694000 SCF/D
10 MIN	MERLA	1.500	35 PSIG	2858000 SCF/D
15 MIN	MERLA	1.500	42 PSIG	3274000 SCF/D
20 MIN	MERLA	1.500	48 PSIG	3633000 SCF/D
25 MIN	MERLA	1.500	52 PSIG	3871000 SCF/D
30 MIN	MERLA	1.500	54 PSIG	3991000 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	1.500	40 PSIG	3155000 SCF/D
10 MIN	MERLA	1.500	56 PSIG	4110000 SCF/D
20 MIN	MERLA	1.500	64 PSIG	4588000 SCF/D
30 MIN	MERLA	1.500	68 PSIG	4827000 SCF/D
40 MIN	MERLA	1.500	71 PSIG	5006000 SCF/D
50 MIN	MERLA	1.500	72 PSIG	5065000 SCF/D
60 MIN	MERLA	1.500	72 PSIG	5065000 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 12/17/94	TICKET : 20256
CUSTOMER : McCOY PETROLEUM CORP.	LEASE : GRACE A
WELL : #1-5 TEST: 1	GEOLOGIST: HASTINGS
ELEVATION: 3239KB	FORMATION: MORROW
SECTION : 5	TOWNSHIP : 34S
RANGE : 38W COUNTY: STEVENS	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	770.00	770.00
5.00	873.00	103.00
10.00	980.00	107.00
15.00	1032.00	52.00
20.00	1063.00	31.00
25.00	1090.00	27.00
30.00	1106.00	16.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1769.00	1769.00	11.00
6.00	1782.00	13.00	6.00
9.00	1786.00	4.00	4.33
12.00	1789.00	3.00	3.50
15.00	1790.00	1.00	3.00
18.00	1790.00	0.00	2.67
21.00	1792.00	2.00	2.43
24.00	1795.00	3.00	2.25
27.00	1797.00	2.00	2.11
30.00	1797.00	0.00	2.00
33.00	1797.00	0.00	1.91
36.00	1797.00	0.00	1.83
39.00	1797.00	0.00	1.77
42.00	1797.00	0.00	1.71
45.00	1797.00	0.00	1.67
48.00	1797.00	0.00	1.63
51.00	1797.00	0.00	1.59
54.00	1797.00	0.00	1.56
57.00	1797.00	0.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	1140.00	1140.00
5.00	1150.00	10.00
10.00	1173.00	23.00
15.00	1188.00	15.00
20.00	1201.00	13.00
25.00	1210.00	9.00
30.00	1216.00	6.00
35.00	1220.00	4.00
40.00	1223.00	3.00
45.00	1226.00	3.00
50.00	1229.00	3.00
55.00	1231.00	2.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1758.00	1758.00	19.33
6.00	1770.00	12.00	10.17
9.00	1776.00	6.00	7.11
12.00	1781.00	5.00	5.58
15.00	1784.00	3.00	4.67
18.00	1785.00	1.00	4.06
21.00	1786.00	1.00	3.62
24.00	1789.00	3.00	3.29
27.00	1789.00	0.00	3.04
30.00	1789.00	0.00	2.83
33.00	1791.00	2.00	2.67
36.00	1791.00	0.00	2.53
39.00	1791.00	0.00	2.41
42.00	1792.00	1.00	2.31
45.00	1792.00	0.00	2.22
48.00	1792.00	0.00	2.15
51.00	1793.00	1.00	2.08
54.00	1793.00	0.00	2.02
57.00	1793.00	0.00	1.96
60.00	1793.00	0.00	1.92
63.00	1793.00	0.00	1.87
66.00	1793.00	0.00	1.83
69.00	1793.00	0.00	1.80
72.00	1793.00	0.00	1.76
75.00	1793.00	0.00	1.73
78.00	1793.00	0.00	1.71

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
81.00	1793.00	0.00	1.68
84.00	1793.00	0.00	1.65
87.00	1793.00	0.00	1.63
90.00	1793.00	0.00	1.61
93.00	1793.00	0.00	1.59
96.00	1793.00	0.00	1.57
99.00	1793.00	0.00	1.56
102.00	1793.00	0.00	1.54
105.00	1793.00	0.00	1.52
108.00	1793.00	0.00	1.51
111.00	1793.00	0.00	1.50
114.00	1793.00	0.00	1.48

Ticket #20256

#10242 DST1

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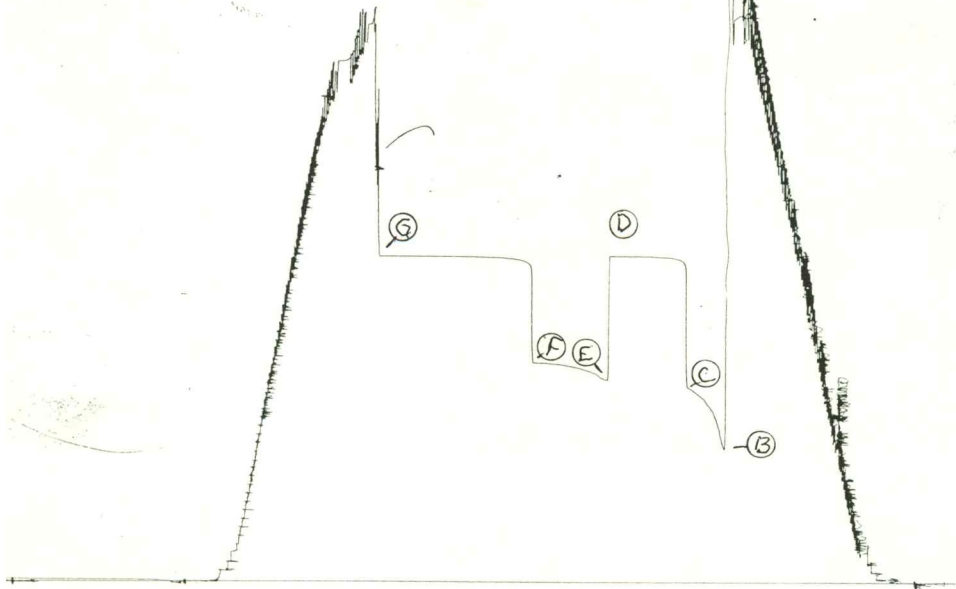
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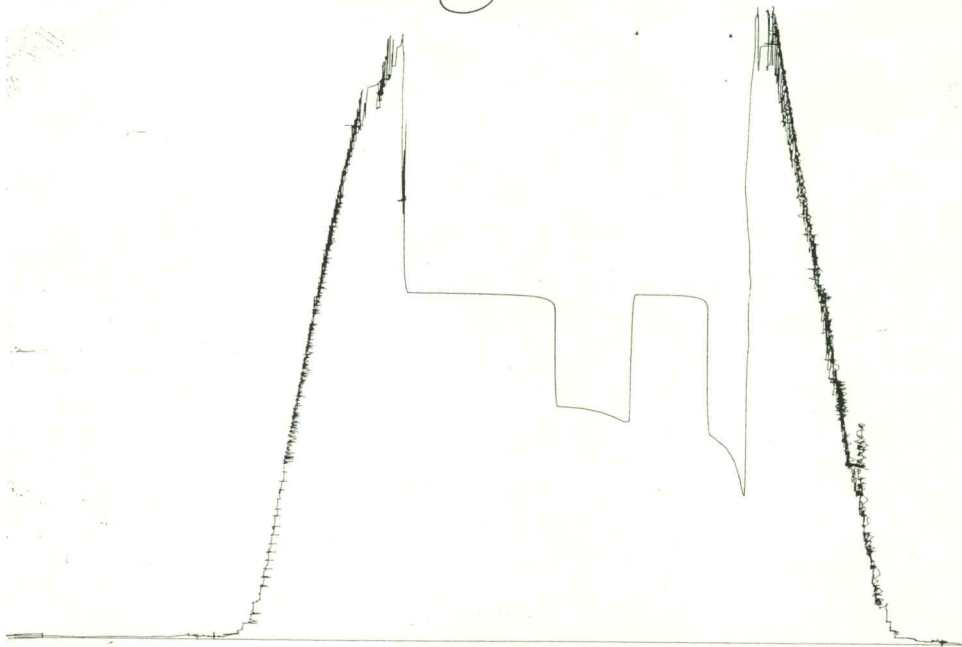
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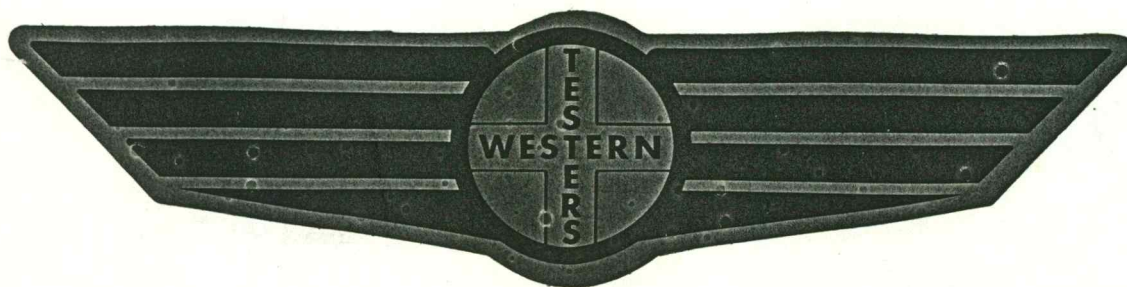
Ticket #20256

13759 DST 1

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 313-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 12/17/94	TICKET	: 20257
CUSTOMER	: McCOY PETROLEUM CORP.	LEASE	: GRACE A
WELL	: #1-5	TEST: 2	GEOLOGIST: HASTINGS
ELEVATION	: 3239KB	FORMATION	: MORROW
SECTION	: 5	TOWNSHIP	: 34S
RANGE	: 38W	COUNTY: STEVENS	STATE : KS
GAUGE SN#	: 10242	RANGE : 4100	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	6240.00 ft	TO:	6250.00 ft	TVD:	6250.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	GAS
DEPTH OF RECORDERS:	6244.0 ft		6247.0 ft		
TEMPERATURE:	152.0				
DRILL COLLAR LENGTH:	275.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	5937.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	10.0 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:	6235.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	6240.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	SWEETMAN RIG #1	VISCOSITY :	59.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	5.400 cc
WEIGHT :	9.100 ppg	SERIAL NUMBER:	406
CHLORIDES :	500 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW: GAS TO SURFACE IN 3 MINUTES. SEE
ATTACHED GAS FLOW CHART FOR MEASUREMENTS.
FINAL FLOW: SEE GAS FLOW CHART.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
90.0	0.0	5.0	0.0	95.0	GAS CUT MUD
40.0	0.0	10.0	20.0	70.0	WATER AND GAS CUT MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 11,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.2347	SCF		
MUD VOLUME:	0.5581	STB		
WATER VOLUME:	0.0393	STB		
TOTAL FLUID :	0.5975	STB		
			TOTAL FLOW TIME:	85.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	2.9991 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3118.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	182.00	380.00
INITIAL SHUT-IN	60.00		1796.00
FINAL FLOW	60.00	411.00	460.00
FINAL SHUT-IN	120.00		1796.00

FINAL HYDROSTATIC PRESSURE: 3043.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3131.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	186.00	379.00
INITIAL SHUT-IN	57.00		1806.00
FINAL FLOW	55.00	418.00	461.00
FINAL SHUT-IN	117.00		1804.00

FINAL HYDROSTATIC PRESSURE: 3042.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 12/17/94	TICKET : 20257
CUSTOMER : McCOY PETROLEUM CORP.	LEASE : GRACE A
WELL : #1-5 TEST: 2	GEOLOGIST: HASTINGS
ELEVATION: 3239KB	FORMATION: MORROW
SECTION : 5	TOWNSHIP : 34S
RANGE : 38W COUNTY: STEVENS	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	1.250	6 PSIG	599000 SCF/D
10 MIN	MERLA	1.250	9 PSIG	754000 SCF/D
15 MIN	MERLA	1.250	13 PSIG	937000 SCF/D
20 MIN	MERLA	1.250	16 PSIG	1064000 SCF/D
25 MIN	MERLA	1.250	18 PSIG	1146000 SCF/D
30 MIN	MERLA	1.250	19 PSIG	1187000 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	1.250	12 PSIG	893000 SCF/D
10 MIN	MERLA	1.250	22 PSIG	1316000 SCF/D
20 MIN	MERLA	1.250	25 PSIG	1421000 SCF/D
30 MIN	MERLA	1.250	26 PSIG	1462000 SCF/D
40 MIN	MERLA	1.250	27 PSIG	1506000 SCF/D
50 MIN	MERLA	1.250	28 PSIG	1539000 SCF/D
60 MIN	MERLA	1.250	29 PSIG	1579000 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 12/17/94	TICKET	: 20257
CUSTOMER	: McCOY PETROLEUM CORP.	LEASE	: GRACE A
WELL	: #1-5	TEST: 2	GEOLOGIST: HASTINGS
ELEVATION:	3239KB	FORMATION:	MORROW
SECTION	: 5	TOWNSHIP	: 34S
RANGE	: 38W	STATE	: KS
GAUGE SN#:	10242	CLOCK	: 12
	COUNTY: STEVENS		
	RANGE : 4100		

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	186.00	186.00
5.00	248.00	62.00
10.00	294.00	46.00
15.00	326.00	32.00
20.00	350.00	24.00
25.00	367.00	17.00
30.00	379.00	12.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1775.00	1775.00	11.00
6.00	1786.00	11.00	6.00
9.00	1795.00	9.00	4.33
12.00	1798.00	3.00	3.50
15.00	1800.00	2.00	3.00
18.00	1802.00	2.00	2.67
21.00	1803.00	1.00	2.43
24.00	1806.00	3.00	2.25
27.00	1806.00	0.00	2.11
30.00	1806.00	0.00	2.00
33.00	1806.00	0.00	1.91
36.00	1806.00	0.00	1.83
39.00	1806.00	0.00	1.77
42.00	1806.00	0.00	1.71
45.00	1806.00	0.00	1.67
48.00	1806.00	0.00	1.63
51.00	1806.00	0.00	1.59
54.00	1806.00	0.00	1.56
57.00	1806.00	0.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	418.00	418.00
5.00	418.00	0.00
10.00	425.00	7.00
15.00	430.00	5.00
20.00	436.00	6.00
25.00	441.00	5.00
30.00	445.00	4.00
35.00	447.00	2.00
40.00	449.00	2.00
45.00	453.00	4.00
50.00	457.00	4.00
55.00	461.00	4.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1761.00	1761.00	19.33
6.00	1782.00	21.00	10.17
9.00	1787.00	5.00	7.11
12.00	1793.00	6.00	5.58
15.00	1796.00	3.00	4.67
18.00	1798.00	2.00	4.06
21.00	1800.00	2.00	3.62
24.00	1801.00	1.00	3.29
27.00	1803.00	2.00	3.04
30.00	1804.00	1.00	2.83
33.00	1804.00	0.00	2.67
36.00	1804.00	0.00	2.53
39.00	1804.00	0.00	2.41
42.00	1804.00	0.00	2.31
45.00	1804.00	0.00	2.22
48.00	1804.00	0.00	2.15
51.00	1804.00	0.00	2.08
54.00	1804.00	0.00	2.02
57.00	1804.00	0.00	1.96
60.00	1804.00	0.00	1.92
63.00	1804.00	0.00	1.87
66.00	1804.00	0.00	1.83
69.00	1804.00	0.00	1.80
72.00	1804.00	0.00	1.76
75.00	1804.00	0.00	1.73
78.00	1804.00	0.00	1.71

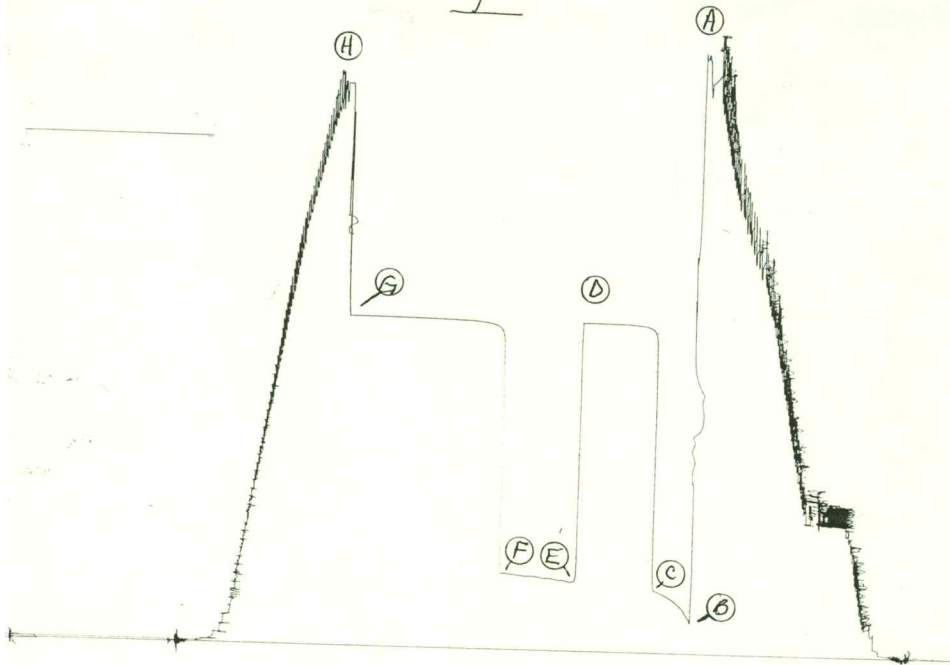
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
81.00	1804.00	0.00	1.68
84.00	1804.00	0.00	1.65
87.00	1804.00	0.00	1.63
90.00	1804.00	0.00	1.61
93.00	1804.00	0.00	1.59
96.00	1804.00	0.00	1.57
99.00	1804.00	0.00	1.56
102.00	1804.00	0.00	1.54
105.00	1804.00	0.00	1.52
108.00	1804.00	0.00	1.51
111.00	1804.00	0.00	1.50
114.00	1804.00	0.00	1.48
117.00	1804.00	0.00	1.47

Ticket # 20257 & 1242 DST 2 (5)

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Ticket # 20257

13.759 DST2

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