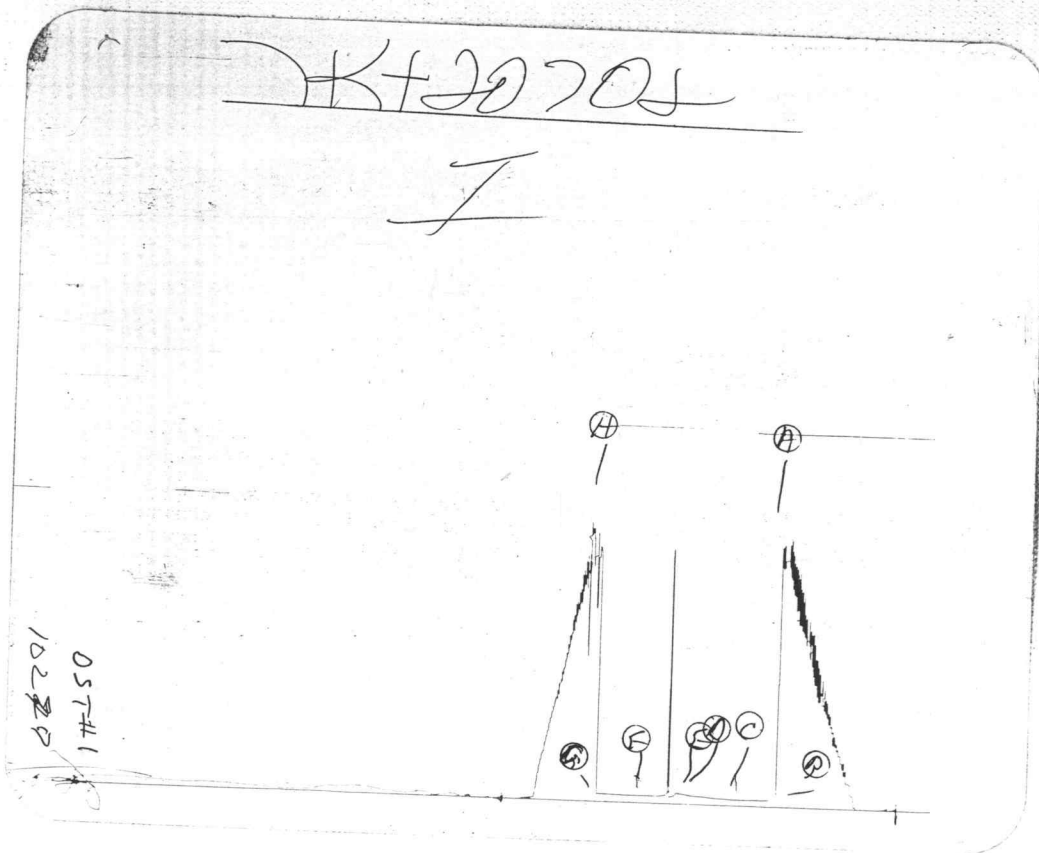
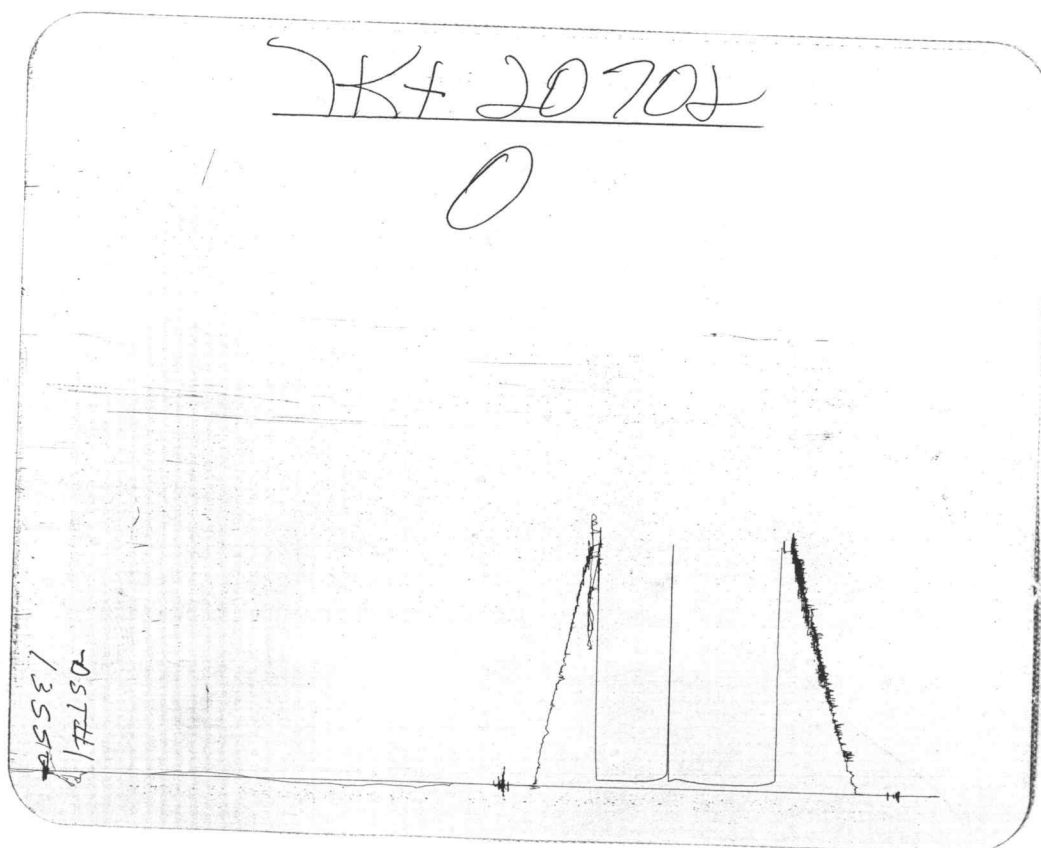




Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE	: 1/23/95	TICKET	: 20702		
CUSTOMER	: KANSAS PETROLEUM, INC.	LEASE	: MCLAIN		
WELL	: #4	TEST: 1	GEOLOGIST:		
ELEVATION	: 1345GL	FORMATION	: MISSISSIPPI		
SECTION	: 31	TOWNSHIP	: 24S		
RANGE	: 4E	COUNTY: BUTLER	STATE	: KS	
GAUGE SN#	: 10270	RANGE	: 4150	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	2679.00 ft	TO:	2700.00 ft	TVD:	2700.0 ft
DEPTH OF SELECTIVE ZONE:	TEST TYPE: OIL				
DEPTH OF RECORDERS:	2692.0 ft	2695.0 ft			
TEMPERATURE:	98.0				
DRILL COLLAR LENGTH:	300.0 ft	I.D.:	2.200 in		
WEIGHT PIPE LENGTH:	0.0 ft	I.D.:	0.000 in		
DRILL PIPE LENGTH:	2357.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH:	22.0 ft	TOOL SIZE:	5.500 in		
ANCHOR LENGTH:	21.0 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:	2674.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	2679.0 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.:	BERENTZ DRILLING	VISCOSITY:	53.00 cp
MUD TYPE:	CHEMICAL	WATER LOSS:	9.200 cc
WEIGHT:	9.300 ppg	SERIAL NUMBER:	
CHLORIDES:	2300 ppm	REVERSED OUT?:	NO
JARS-MAKE:			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW: WEAK BLOW THROUGHOUT, 1/4 INCH
DECREASED TO SURFACE BLOW. FINAL FLOW: NO BLOW,
FLUSHED TOOL 10 MINUTES INTO FINAL FLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	1.0	0.0	0.0	99.0	SLIGHTLY OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0002	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.0233	STB	TOTAL FLOW TIME:	60.0000 min.
WATER VOLUME:	0.0000	STB	AVERAGE OIL RATE:	0.5642 STB/D
TOTAL FLUID :	0.0235	STB	AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1309.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	31.00	31.00
INITIAL SHUT-IN	45.00		62.00
FINAL FLOW	30.00	31.00	31.00
FINAL SHUT-IN	30.00		31.00

FINAL HYDROSTATIC PRESSURE: 1309.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1322.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	34.00	34.00
INITIAL SHUT-IN	45.00		59.00
FINAL FLOW	30.00	44.00	41.00
FINAL SHUT-IN	30.00		43.00

FINAL HYDROSTATIC PRESSURE: 1322.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION	
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GENERAL INFORMATION			
DATE	: 1/23/95	TICKET	: 20702
CUSTOMER	: KANSAS PETROLEUM, INC.	LEASE	: MCLAIN
WELL	: #4	GEOLOGIST:	
	TEST: 1	FORMATION:	MISSISSIPPI
ELEVATION:	1345GL	TOWNSHIP	: 24S
SECTION	: 31	STATE	: KS
RANGE	: 4E	CLOCK	: 12
Gauge SN#:	10270	COUNTY:	BUTLER
	RANGE : 4150		

INITIAL FLOW

INITIAL FLOW		
Time (min)	Pressure	Delta P
0.00	34.00	34.00
5.00	34.00	0.00
10.00	34.00	0.00
15.00	34.00	0.00
20.00	34.00	0.00
25.00	34.00	0.00
30.00	34.00	0.00

INITIAL SHUT IN

INITIAL SHUT IN			
Time (min)	Pressure	Delta P	Horner T
3.00	34.00	34.00	11.00
6.00	34.00	0.00	6.00
9.00	34.00	0.00	4.33
12.00	36.00	2.00	3.50
15.00	38.00	2.00	3.00
18.00	40.00	2.00	2.67
21.00	41.00	1.00	2.43
24.00	42.00	1.00	2.25
27.00	43.00	1.00	2.11
30.00	44.00	1.00	2.00
33.00	47.00	3.00	1.91
36.00	50.00	3.00	1.83
39.00	53.00	3.00	1.77
42.00	56.00	3.00	1.71
45.00	59.00	3.00	1.67

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	44.00	44.00
5.00	35.00	-9.00
10.00	41.00	6.00
15.00	41.00	0.00
20.00	41.00	0.00
25.00	41.00	0.00
30.00	41.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	41.00	41.00	11.00
6.00	41.00	0.00	6.00
9.00	41.00	0.00	4.33
12.00	41.00	0.00	3.50
15.00	41.00	0.00	3.00
18.00	42.00	1.00	2.67
21.00	42.00	0.00	2.43
24.00	42.00	0.00	2.25
27.00	43.00	1.00	2.11
30.00	43.00	0.00	2.00

WESTERN TESTING CO., INC.

Pressure Data

Date 1-23-8

Test Ticket No. 20201

Recorder No. 10270

Capacity _____ Location _____ Ft.

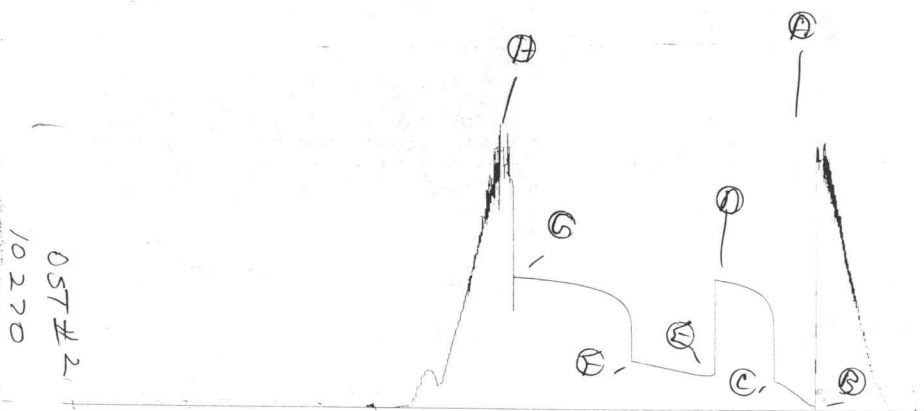
Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>132</u> P.S.I.			M
B First Initial Flow Pressure	_____ P.S.I.	First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure	_____ P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure	_____ P.S.I.	Second Flow Pressure	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure	_____ P.S.I.	Final Closed-in Pressure	_____ Mins.	_____ Mins.
F Second Final Flow Pressure	_____ P.S.I.			
G Final Closed-in Pressure	_____ P.S.I.			
H Final Hydrostatic Mud	<u>132</u> P.S.I.			

PRESSURE BREAKDOWN

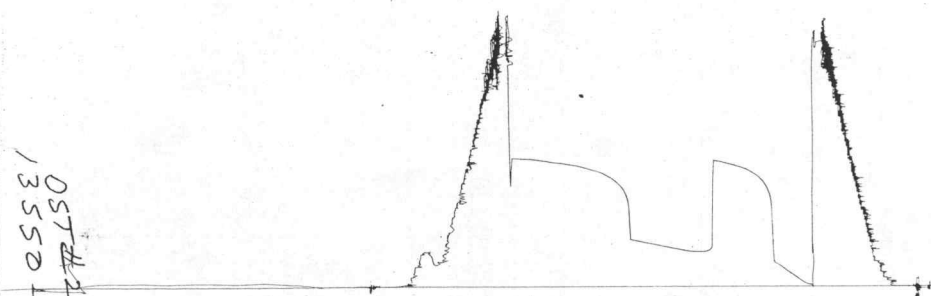
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>34</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>41</u>
P 2 <u>5</u>		<u>3</u>	<u>2</u>	<u>5</u>	<u>25</u>	<u>3</u>	
P 3 <u>10</u>		<u>6</u>	<u>2</u>	<u>10</u>	<u>41</u> FT	<u>6</u>	
P 4 <u>15</u>		<u>9</u>	<u>34</u>	<u>15</u>	<u>41</u>	<u>9</u>	
P 5 <u>20</u>		<u>12</u>	<u>30</u>	<u>20</u>	<u>2</u>	<u>12</u>	
P 6 <u>25</u>		<u>15</u>	<u>38</u>	<u>25</u>	<u>2</u>	<u>15</u>	<u>41</u>
P 7 <u>30</u>	<u>34</u>	<u>18</u>	<u>40</u>	<u>30</u>	<u>41</u>	<u>18</u>	<u>42</u>
P 8 <u>35</u>		<u>21</u>	<u>41</u>	<u>35</u>		<u>21</u>	<u>42</u>
P 9 <u>40</u>		<u>24</u>	<u>42</u>	<u>40</u>		<u>24</u>	<u>42</u>
P10 <u>45</u>		<u>27</u>	<u>42</u>	<u>45</u>		<u>27</u>	<u>42</u>
P11 <u>50</u>		<u>30</u>	<u>44</u>	<u>50</u>		<u>30</u>	<u>42</u>
P12 <u>55</u>		<u>33</u>	<u>47</u>	<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>	<u>50</u>	<u>60</u>		<u>36</u>	
P14 <u>65</u>		<u>39</u>	<u>52</u>	<u>65</u>		<u>39</u>	
P15 <u>70</u>		<u>42</u>	<u>56</u>	<u>70</u>		<u>42</u>	
P16 <u>75</u>		<u>45</u>	<u>59</u>	<u>75</u>		<u>45</u>	
P17 <u>80</u>		<u>48</u>		<u>80</u>		<u>48</u>	
P18 <u>85</u>		<u>51</u>		<u>85</u>		<u>51</u>	
P19 <u>90</u>		<u>54</u>		<u>90</u>		<u>54</u>	
P20 <u>95</u>		<u>57</u>		<u>95</u>		<u>57</u>	
100		60		100		60	

KT 20702
I



OST #2
10270

KT 20703
O



OST #2
13550

DST REPORT

GENERAL INFORMATION

DATE	: 1/24/95	TICKET	: 20703
CUSTOMER	: KANSAS PETROLEUM, INC.	LEASE	: MCLAIN
WELL	: #4	TEST:	2
ELEVATION:	1345GL	GEOLOGIST:	
SECTION	: 31	FORMATION:	MISSISSIPPI
RANGE	: 4E	TOWNSHIP	: 24S
GAUGE SN#:	10270	STATE	: KS
		CLOCK	: 12
	COUNTY: BUTLER		
	RANGE : 4150		

WELL INFORMATION

PERFORATION INTERVAL FROM:	2737.00 ft	TO:	2750.00 ft	TVD:	2750.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	2742.0 ft		2745.0 ft		
TEMPERATURE:	112.0				
DRILL COLLAR LENGTH:	300.0 ft	I.D.:		2.200 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	2415.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	22.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	13.0 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:	2732.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	2737.0 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. :	BERENTZ DRILLING	VISCOSITY :	45.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	9.200 cc
WEIGHT :	9.200 ppg	SERIAL NUMBER:	
CHLORIDES :	2300 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW: WEAK BUILDING TO A GOOD BLOW, 1 INCH
TO 6 1/2 INCH BLOW. FINAL FLOW: WEAK BUILDING TO
A FAIR BLOW, 1 1/2 INCH TO 5 INCH BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	0.0	0.0	95.0	5.0	MUDDY WATER
360.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES- 46,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.0525	STB	AVERAGE WATER RATE:	47.7440	STB/D
WATER VOLUME:	2.9315	STB			
TOTAL FLUID :	2.9840	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1340.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	20.00	145.00
INITIAL SHUT-IN	45.00		707.00
FINAL FLOW	60.00	187.00	249.00
FINAL SHUT-IN	90.00		707.00

FINAL HYDROSTATIC PRESSURE: 1298.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1351.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	25.00	156.00
INITIAL SHUT-IN	45.00		704.00
FINAL FLOW	60.00	190.00	263.00
FINAL SHUT-IN	90.00		715.00

FINAL HYDROSTATIC PRESSURE: 1313.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 1/24/95	TICKET	: 20703
CUSTOMER	: KANSAS PETROLEUM, INC.	LEASE	: MCLAIN
WELL	: #4	TEST: 2	
ELEVATION	: 1345GL	GEOLOGIST:	
SECTION	: 31	FORMATION:	MISSISSIPPI
RANGE	: 4E	TOWNSHIP	: 24S
GAUGE SN#	: 10270	STATE	: KS
		CLOCK	: 12
	COUNTY: BUTLER		
	RANGE : 4150		

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	25.00	25.00
5.00	34.00	9.00
10.00	63.00	29.00
15.00	91.00	28.00
20.00	115.00	24.00
25.00	139.00	24.00
30.00	156.00	17.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	518.00	518.00	0.00
6.00	577.00	59.00	0.00
9.00	608.00	31.00	0.00
12.00	628.00	20.00	0.00
15.00	641.00	13.00	0.00
18.00	654.00	13.00	0.00
21.00	665.00	11.00	0.00
24.00	671.00	6.00	0.00
27.00	677.00	6.00	0.00
30.00	684.00	7.00	0.00
33.00	688.00	4.00	0.00
36.00	694.00	6.00	0.00
39.00	698.00	4.00	0.00
42.00	700.00	2.00	0.00
45.00	704.00	4.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	190.00	190.00
5.00	190.00	0.00
10.00	190.00	0.00
15.00	193.00	3.00
20.00	201.00	8.00
25.00	208.00	7.00
30.00	217.00	9.00
35.00	224.00	7.00
40.00	233.00	9.00
45.00	240.00	7.00
50.00	247.00	7.00
55.00	253.00	6.00
60.00	263.00	10.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	517.00	517.00	0.00
6.00	557.00	40.00	0.00
9.00	583.00	26.00	0.00
12.00	599.00	16.00	0.00
15.00	614.00	15.00	0.00
18.00	624.00	10.00	0.00
21.00	635.00	11.00	0.00
24.00	642.00	7.00	0.00
27.00	647.00	5.00	0.00
30.00	657.00	10.00	0.00
33.00	661.00	4.00	0.00
36.00	668.00	7.00	0.00
39.00	671.00	3.00	0.00
42.00	676.00	5.00	0.00
45.00	680.00	4.00	0.00
48.00	684.00	4.00	0.00
51.00	687.00	3.00	0.00
54.00	690.00	3.00	0.00
57.00	693.00	3.00	0.00
60.00	696.00	3.00	0.00
63.00	699.00	3.00	0.00
66.00	701.00	2.00	0.00
69.00	703.00	2.00	0.00
72.00	705.00	2.00	0.00
75.00	707.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
78.00	709.00	2.00	0.00
81.00	711.00	2.00	0.00
84.00	713.00	2.00	0.00
87.00	714.00	1.00	0.00
90.00	715.00	1.00	0.00