



WESTERN TESTING CO., INC.
FORMATION TESTING

LAST DST
No 19146

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1780K.B. Formation MISSISSIPPI Eff. Pay Ft.

District GREAT BEND Date 9-8-93 Customer Order No. -

COMPANY NAME HONEY OIL Co. Inc.

ADDRESS 401 E Douglas Suite 505 Wichita, KS 67202

LEASE AND WELL NO. McComb "C" 1 COUNTY STAFFORD STATE KS Sec. 36 Twp. 24S Rge. 11W

Mail Invoice To same #1 McCoom B C Co. Name Address No. Copies Requested REC

Mail Charts To SAME Address No. Copies Requested REC

Formation Test No. 1 Interval Tested From 3761 ft. to 3888 ft. Total Depth 3888 ft.

Packer Depth 3756 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3761 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3764 ft. Recorder Number 11018 REBO Cap. 4425

Bottom Recorder Depth (Outside) 3790 ft. Recorder Number 13629 Cap. 4425

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor DUKE R161 Drill Collar Length 30 I. D. 2.2 in.

Mud Type CHEMICAL Viscosity 55 Weight Pipe Length - I. D. - in.

Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 3705 I. D. 3.8 in.

Chlorides 9,500 P.P.M. Test Tool Length 26 ft. Tool Size 5 1/2 in.

Jars: Make WESTERN Serial Number 12363 Anchor Length 127 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: 1ST FLOW: STRONG BLOW BOB IMMEDIATELY GTS IN 3 MINUTES
2ND FLOW: GTS THROUGHOUT (SEE GAS VOLUME REPORT)

Recovered 50 ft. of GAS CUT DRILLING MUD (10206 AS 90% MUD)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used 0 Remarks: -

Time On Location 12:00 A.M. P.M. Time Pick Up Tool 3:30 A.M. P.M. Time Off Location 12:00 A.M. P.M.

Time Set Packer(s) 4:40 A.M. P.M. Time Started Off Bottom 8:40 A.M. P.M. Maximum Temperature 118°

Initial Hydrostatic Pressure (A) 1856 1863 P.S.I.

Initial Flow Period Minutes 30 (B) 190 202 P.S.I. to (C) 142 163 P.S.I.

Initial Closed In Period Minutes 60 (D) 1230 1246 P.S.I.

Final Flow Period Minutes 60 (E) 195 213 P.S.I. to (F) 102 105 P.S.I.

Final Closed In Period Minutes 90 (G) 1151 1171 P.S.I.

Final Hydrostatic Pressure (H) 1841 1844 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

Table with 2 columns: Item and Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, and Telecopier. Total amount is \$1500.

Calder [Signature]



Nº 1019

GAS FLOW REPORT

Date 9-8-93 Ticket 19146 Company HONEY OIL
 Well Name and No. M^cCOMB C#1 Dst No. 1 Interval Tested 3761-3850
 County STAFFORD State KANSAS Sec. 36 Twp. 24S Rg. 11W

Time Gauge in Min.	P.S.I. on Meter Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
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PRE FLOW

5	14	3/4			317 MCF/D
10	17	"			352 "
15	18	"			370 "
20	18	"			370 "
25	18	"			370 "
30	18	"			370 "

SECOND FLOW

5	24	3/4			449 450 MCF/D
10	20	"			398 "
15	20	"			398 "
20	17	"			357 "
25	16	"			344 "
30	15	"			331 "
35	14	"			317 "
40	14	"			317 "
45	14	"			317 "
50	14	"			317 "
55	14	"			317 "
60	14	"			317 "

GAS BOTTLE

Serial No. DOT 381800 Date Bottle Filled 9-8-93 Date to be Invoiced 10-8-93

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME HONEY OIL
 Authorized by [Signature]

WESTERN TESTING CO., INC.
Pressure Data

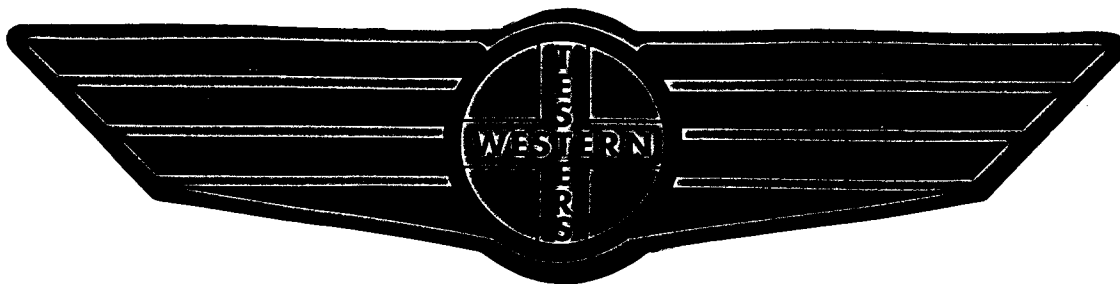
Date 9-8-93 Test Ticket No. 19146
 Recorder No. 11018 Capacity 4425 Location _____ Ft.
 Clock No. _____ Elevation 1780K.R Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1865</u> P.S.I.			M
B First Initial Flow Pressure	<u>202</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>163</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1246</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>213</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>105</u> P.S.I.			
G Final Closed-in Pressure	<u>1171</u> P.S.I.			
H Final Hydrostatic Mud	<u>1244</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Point Minutes	Initial Shut-In	Point Minutes	Second Flow Pressure	Point Minutes	Final Shut-In
	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.		Press.		Press.		Press.
P 1	<u>0</u>	<u>0</u>	<u>163</u>	<u>0</u>	<u>213</u>	<u>0</u>	<u>105</u>
P 2	<u>5</u>	<u>3</u>	<u>982</u>	<u>5</u>	<u>192</u>	<u>3</u>	<u>533</u>
P 3	<u>10</u>	<u>6</u>	<u>1016</u>	<u>10</u>	<u>169</u>	<u>6</u>	<u>740</u>
P 4	<u>15</u>	<u>9</u>	<u>1056</u>	<u>15</u>	<u>151</u>	<u>9</u>	<u>826</u>
P 5	<u>20</u>	<u>12</u>	<u>1076</u>	<u>20</u>	<u>147</u>	<u>12</u>	<u>880</u>
P 6	<u>25</u>	<u>15</u>	<u>1105</u>	<u>25</u>	<u>136</u>	<u>15</u>	<u>913</u>
P 7	<u>30</u>	<u>18</u>	<u>1125</u>	<u>30</u>	<u>135</u>	<u>18</u>	<u>942</u>
P 8		<u>21</u>	<u>1144</u>	<u>35</u>	<u>127</u>	<u>21</u>	<u>970</u>
P 9		<u>24</u>	<u>1058</u>	<u>40</u>	<u>124</u>	<u>24</u>	<u>988</u>
P10		<u>27</u>	<u>1175</u>	<u>45</u>	<u>117</u>	<u>27</u>	<u>1088</u>
P11		<u>30</u>	<u>1182</u>	<u>50</u>	<u>114</u>	<u>30</u>	<u>1024</u>
P12		<u>33</u>	<u>1195</u>	<u>55</u>	<u>110</u>	<u>33</u>	<u>1032</u>
P13		<u>36</u>	<u>1201</u>	<u>60</u>	<u>105</u>	<u>36</u>	<u>1046</u>
P14		<u>39</u>	<u>1210</u>			<u>39</u>	<u>1063</u>
P15		<u>42</u>	<u>1222</u>			<u>42</u>	<u>1071</u>
P16		<u>45</u>	<u>1229</u>			<u>45</u>	<u>1082</u>
P17		<u>48</u>	<u>1235</u>			<u>48</u>	<u>1091</u>
P18		<u>51</u>	<u>1240</u>			<u>51</u>	<u>1103</u>
P19		<u>54</u>	<u>1242</u>			<u>54</u>	<u>1107</u>
P20		<u>57</u>	<u>1244</u>			<u>57</u>	<u>1112</u>
		<u>60</u>	<u>1246</u>			<u>60</u>	<u>1119</u>

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 80 - 688 - 7021

COMPANY HONEY OIL COMPANY, INC. LEASE & WELL NO. #1 MCCOMB C SEC. 36 TWP. 24S RGE. 11W TEST NO. 1 DATE 9/8/93

DST REPORT

GENERAL INFORMATION

DATE : 9-8-93
CUSTOMER : HONEY OIL CO. INC.
WELL : #1 TEST: 1
ELEVATION: 1780 K.B.
SECTION : 36
RANGE : 11W COUNTY: STAFFORD
GAUGE SN#: 11018 RANGE : 4425
TICKET : 19146
LEASE : MCCOOMB C
GEOLOGIST: JON WILLIAMS, JR.
FORMATION: MISSISSIPPI
TOWNSHIP : 24S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3761.00 ft TO: 3888.00 ft TVD: 3888.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS
DEPTH OF RECORDERS: 3764.0 ft 3790.0 ft
TEMPERATURE: 118.0
DRILL COLLAR LENGTH: 30.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 3705.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 26.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 127.0 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 : 4.5FH
PACKER DEPTH: 3756.0 ft SIZE: 6.630 in
PACKER DEPTH: 3761.0 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. : DUKE #1
MUD TYPE : CHEMICAL VISCOSITY : 55.00 cp
WEIGHT : 9.300 ppg WATER LOSS: 8.800 cc
CHLORIDES : 9500 ppm
JARS-MAKE : WTC SERIAL NUMBER: 12363
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

STRONG BLOW OFF BOTTOM OF BUCKET IMMEDIATELY - GAS
TO SURFACE IN 3 MINUTES ON INITIAL FLOW PERIOD.
GAS TO SURFACE ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
50.0	0.0	10.0	0.0	90.0	GAS CUT DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	
GAS VOLUME:	0.2367	SCF	
MUD VOLUME:	0.3794	STB	
WATER VOLUME:	0.0000	STB	
TOTAL FLUID :	0.3794	STB	
			TOTAL FLOW TIME: 90.0000 min.
			AVERAGE OIL RATE: 0.0000 STB/D
			AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1856.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	190.00	142.00
INITIAL SHUT-IN	60.00		1230.00
FINAL FLOW	60.00	195.00	102.00
FINAL SHUT-IN	90.00		1151.00

FINAL HYDROSTATIC PRESSURE: 1841.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1865.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	202.00	163.00
INITIAL SHUT-IN	60.00		1246.00
FINAL FLOW	60.00	213.00	105.00
FINAL SHUT-IN	90.00		1171.00

FINAL HYDROSTATIC PRESSURE: 1844.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 9-8-93	TICKET : 19146
CUSTOMER : HONEY OIL CO. INC.	LEASE : MCCOOMB C
WELL : #1	TEST: 1
ELEVATION: 1780 K.B.	GEOLOGIST: JON WILLIAMS, JR.
SECTION : 36	FORMATION: MISSISSIPPI
RANGE : 11W	TOWNSHIP : 24S
COUNTY: STAFFORD	STATE : KS
GAUGE SN#: 11018	RANGE : 4425
	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN.	MERLA	0.750	14 PSIG	317000 SCF/D
10 MIN.	MERLA	0.750	17 PSIG	357000 SCF/D
15 MIN.	MERLA	0.750	18 PSIG	370000 SCF/D
20 MIN.	MERLA	0.750	18 PSIG	370000 SCF/D
25 MIN.	MERLA	0.750	18 PSIG	370000 SCF/D
30 MIN.	MERLA	0.750	18 PSIG	370000 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN.	MERLA	0.750	24 PSIG	449000 SCF/D
10 MIN.	MERLA	0.750	20 PSIG	398000 SCF/D
15 MIN.	MERLA	0.750	20 PSIG	398000 SCF/D
20 MIN.	MERLA	0.750	17 PSIG	357000 SCF/D
25 MIN.	MERLA	0.750	16 PSIG	344000 SCF/D
30 MIN.	MERLA	0.750	15 PSIG	331000 SCF/D
35 MIN.	MERLA	0.750	14 PSIG	317000 SCF/D
40 MIN.	MERLA	0.750	14 PSIG	317000 SCF/D
45 MIN.	MERLA	0.750	14 PSIG	317000 SCF/D
50 MIN.	MERLA	0.750	14 PSIG	317000 SCF/D
55 MIN.	MERLA	0.750	14 PSIG	317000 SCF/D
60 MIN.	MERLA	0.750	14 PSIG	317000 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 9-8-93	TICKET : 19146
CUSTOMER : HONEY OIL CO. INC.	LEASE : MCCOOMB C
WELL : #1 TEST: 1	GEOLOGIST: JON WILLIAMS, JR.
ELEVATION: 1780 K.B.	FORMATION: MISSISSIPPI
SECTION : 36	TOWNSHIP : 24S
RANGE : 11W COUNTY: STAFFORD	STATE : KS
GAUGE SN#: 11018 RANGE : 4425	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	202.00	202.00
5.00	181.00	-21.00
10.00	178.00	-3.00
15.00	175.00	-3.00
20.00	172.00	-3.00
25.00	168.00	-4.00
30.00	163.00	-5.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	982.00	982.00	0.00
6.00	1016.00	34.00	0.00
9.00	1056.00	40.00	0.00
12.00	1076.00	20.00	0.00
15.00	1105.00	29.00	0.00
18.00	1125.00	20.00	0.00
21.00	1144.00	19.00	0.00
24.00	1158.00	14.00	0.00
27.00	1175.00	17.00	0.00
30.00	1182.00	7.00	0.00
33.00	1195.00	13.00	0.00
36.00	1201.00	6.00	0.00
39.00	1210.00	9.00	0.00
42.00	1222.00	12.00	0.00
45.00	1229.00	7.00	0.00
48.00	1235.00	6.00	0.00
51.00	1240.00	5.00	0.00
54.00	1242.00	2.00	0.00
57.00	1244.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	1246.00	2.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	213.00	213.00
5.00	192.00	-21.00
10.00	169.00	-23.00
15.00	151.00	-18.00
20.00	147.00	-4.00
25.00	136.00	-11.00
30.00	135.00	-1.00
35.00	127.00	-8.00
40.00	124.00	-3.00
45.00	117.00	-7.00
50.00	114.00	-3.00
55.00	110.00	-4.00
60.00	105.00	-5.00

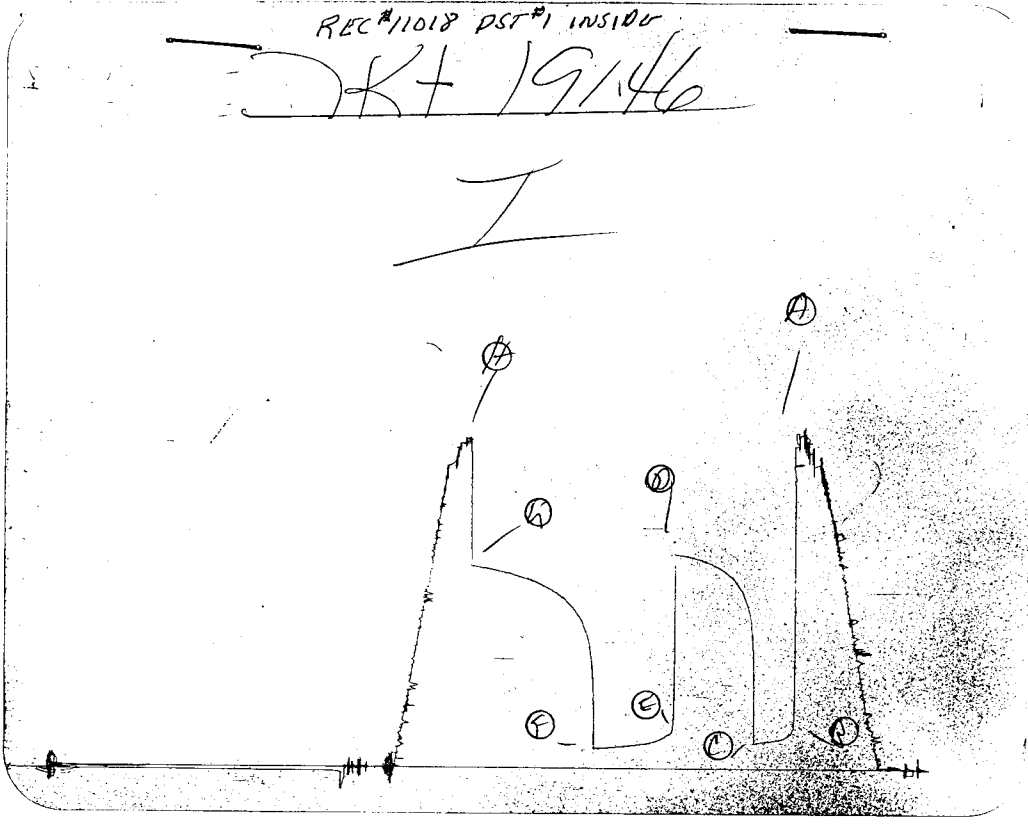
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	533.00	533.00	0.00
6.00	740.00	207.00	0.00
9.00	826.00	86.00	0.00
12.00	880.00	54.00	0.00
15.00	913.00	33.00	0.00
18.00	942.00	29.00	0.00
21.00	970.00	28.00	0.00
24.00	988.00	18.00	0.00
27.00	1008.00	20.00	0.00
30.00	1024.00	16.00	0.00
33.00	1032.00	8.00	0.00
36.00	1046.00	14.00	0.00
39.00	1063.00	17.00	0.00
42.00	1071.00	8.00	0.00
45.00	1082.00	11.00	0.00
48.00	1091.00	9.00	0.00

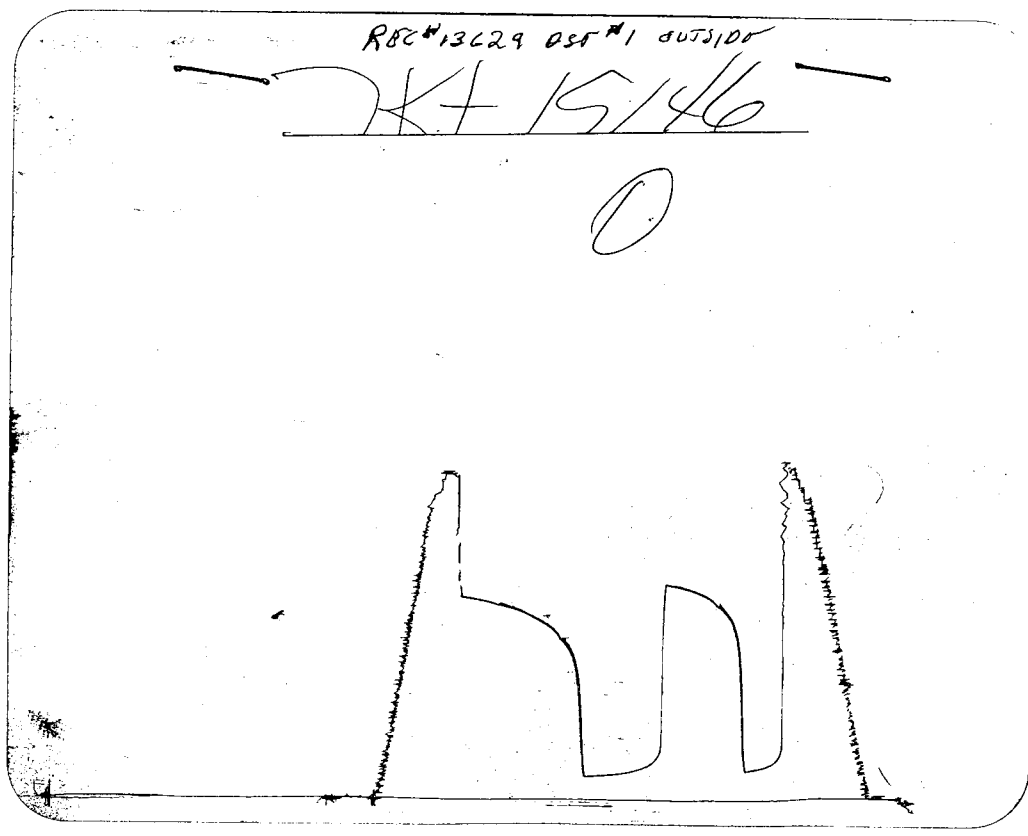
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	1103.00	12.00	0.00
54.00	1107.00	4.00	0.00
57.00	1112.00	5.00	0.00
60.00	1119.00	7.00	0.00
63.00	1126.00	7.00	0.00
66.00	1148.00	22.00	0.00
69.00	1154.00	6.00	0.00
72.00	1157.00	3.00	0.00
75.00	1160.00	3.00	0.00
78.00	1163.00	3.00	0.00
81.00	1166.00	3.00	0.00
84.00	1168.00	2.00	0.00
87.00	1169.00	1.00	0.00
90.00	1171.00	2.00	0.00



Inside Recorder

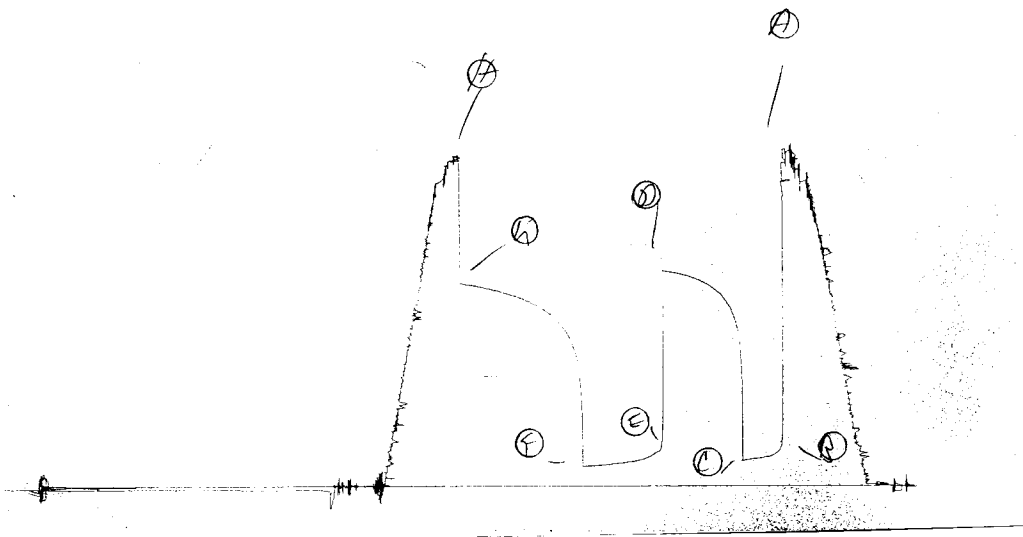


Outside Recorder

REC #11018 DST #1 INSIDE

DKT 19/46

I



REC #13629 DST #1 OUTSIDE

DKT 15/46

O

