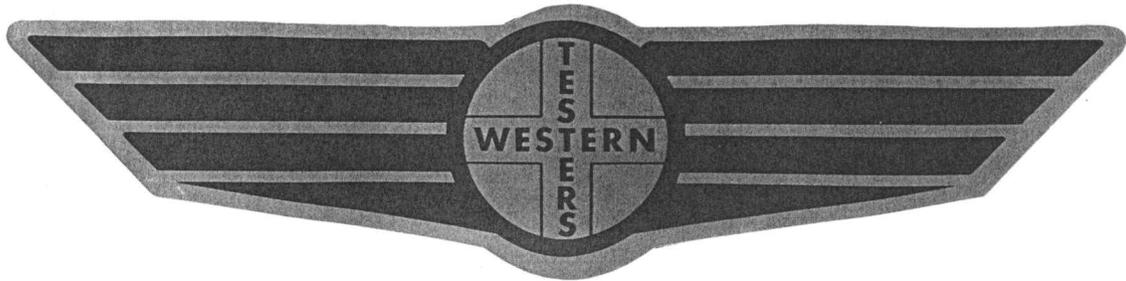


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY HONEY OIL COMPANY, INC. LEASE & WELL NO. #1 CHAFFIN, INC. SEC. 18 TWP. 24S RGE. 10W TEST NO. 1 DATE 2/23/94

DST REPORT

GENERAL INFORMATION

DATE : 2/23/94	TICKET : 20245
CUSTOMER : HONEY OIL COMPANY INC.	LEASE : CHAFFIN INC.
WELL : #1 TEST: 1	GEOLOGIST: WILLIAMS
ELEVATION: 1780 KB	FORMATION: MISSISSIPPI
SECTION : 18	TOWNSHIP : 24S
RANGE : 10W COUNTY: RENO	STATE : KS
GAUGE SN#: 13548 RANGE : 4075	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3708.00 ft	TO: 3832.00 ft	TVD: 3832.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: GAS
DEPTH OF RECORDERS: 3718.0 ft	3721.0 ft	
TEMPERATURE: 115.0		

DRILL COLLAR LENGTH: 0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 3680.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 124.0 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: 3703.0 ft	SIZE:	6.630 in
PACKER DEPTH: 3708.0 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 RIG 2	
MUD TYPE : CHEMICAL	VISCOSITY : 46.00 cp
WEIGHT : 9.400 ppg	WATER LOSS: 12.800 cc
CHLORIDES : 8500 ppm	
JARS-MAKE : WTC	SERIAL NUMBER: 405
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD OFF BOTTOM OF BUCKET
INSTANTLY - GAS TO SURFACE IN 15 MINUTES.
37.6 MCFD THROUGH 1/4 INCH ORIFICE.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

TOOL & BOTTOM 1 INCH DRILL PIPE PLUGGED W/CUTTINGS

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
90.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB		TOTAL FLOW TIME:	85.0000 min.
GAS VOLUME:	0.0000 SCF		AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	1.2624 STB		AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB			
TOTAL FLUID :	1.2624 STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1836.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	121.00	80.00
INITIAL SHUT-IN	60.00		1213.00
FINAL FLOW	60.00	131.00	91.00
FINAL SHUT-IN	90.00		1203.00

FINAL HYDROSTATIC PRESSURE: 1815.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1836.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	25.00	119.00	69.00
INITIAL SHUT-IN	60.00		1205.00
FINAL FLOW	60.00	136.00	81.00
FINAL SHUT-IN	90.00		1198.00

FINAL HYDROSTATIC PRESSURE: 1784.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 2/23/94	TICKET : 20245
CUSTOMER : HONEY OIL COMPANY INC.	LEASE : CHAFFIN INC.
WELL : #1 TEST: 1	GEOLOGIST: WILLIAMS
ELEVATION: 1780 KB	FORMATION: MISSISSIPPI
SECTION : 18	TOWNSHIP : 24S
RANGE : 10W COUNTY: RENO	STATE : KS
GAUGE SN#: 13548 RANGE : 4075	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
20 MIN	MERLA	0.250	4 PSIG	18500 SCF/D
25 MIN	MERLA	0.250	6 PSIG	22900 SCF/D
30 MIN	MERLA	0.250	8 PSIG	27000 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	0.250	13 PSIG	35900 SCF/D
20 MIN	MERLA	0.250	13 PSIG	35900 SCF/D
30 MIN	MERLA	0.250	13 PSIG	35900 SCF/D
40 MIN	MERLA	0.250	14 PSIG	37600 SCF/D
50 MIN	MERLA	0.250	14 PSIG	37600 SCF/D
60 MIN	MERLA	0.250	14 PSIG	37600 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 2/23/94	TICKET : 20245
CUSTOMER : HONEY OIL COMPANY INC.	LEASE : CHAFFIN INC.
WELL : #1 TEST: 1	GEOLOGIST: WILLIAMS
ELEVATION: 1780 KB	FORMATION: MISSISSIPPI
SECTION : 18	TOWNSHIP : 24S
RANGE : 10W COUNTY: RENO	STATE : KS
GAUGE SN#: 13548 RANGE : 4075	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	119.00	119.00
5.00	93.00	-26.00
10.00	83.00	-10.00
15.00	75.00	-8.00
20.00	73.00	-2.00
25.00	69.00	-4.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	328.00	328.00	9.33
6.00	669.00	341.00	5.17
9.00	907.00	238.00	3.78
12.00	1010.00	103.00	3.08
15.00	1069.00	59.00	2.67
18.00	1106.00	37.00	2.39
21.00	1128.00	22.00	2.19
24.00	1144.00	16.00	2.04
27.00	1157.00	13.00	1.93
30.00	1167.00	10.00	1.83
33.00	1174.00	7.00	1.76
36.00	1183.00	9.00	1.69
39.00	1189.00	6.00	1.64
42.00	1193.00	4.00	1.60
45.00	1195.00	2.00	1.56
48.00	1197.00	2.00	1.52
51.00	1199.00	2.00	1.49
54.00	1201.00	2.00	1.46
57.00	1203.00	2.00	1.44
60.00	1205.00	2.00	1.42

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	136.00	136.00
5.00	105.00	-31.00
10.00	93.00	-12.00
15.00	87.00	-6.00
20.00	83.00	-4.00
25.00	83.00	0.00
30.00	83.00	0.00
35.00	82.00	-1.00
40.00	82.00	0.00
45.00	82.00	0.00
50.00	81.00	-1.00
55.00	81.00	0.00
60.00	81.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	415.00	415.00	21.00
6.00	654.00	239.00	11.00
9.00	850.00	196.00	7.67
12.00	979.00	129.00	6.00
15.00	1041.00	62.00	5.00
18.00	1085.00	44.00	4.33
21.00	1116.00	31.00	3.86
24.00	1128.00	12.00	3.50
27.00	1138.00	10.00	3.22
30.00	1148.00	10.00	3.00
33.00	1157.00	9.00	2.82
36.00	1164.00	7.00	2.67
39.00	1169.00	5.00	2.54
42.00	1173.00	4.00	2.43
45.00	1175.00	2.00	2.33
48.00	1177.00	2.00	2.25
51.00	1179.00	2.00	2.18
54.00	1181.00	2.00	2.11
57.00	1183.00	2.00	2.05
60.00	1185.00	2.00	2.00
63.00	1187.00	2.00	1.95
66.00	1189.00	2.00	1.91
69.00	1191.00	2.00	1.87
72.00	1192.00	1.00	1.83
75.00	1193.00	1.00	1.80

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

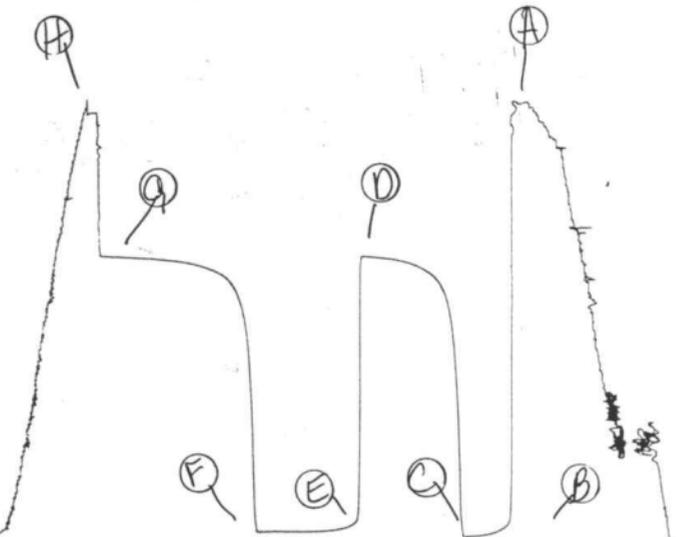
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
78.00	1194.00	1.00	1.77
81.00	1195.00	1.00	1.74
84.00	1196.00	1.00	1.71
87.00	1197.00	1.00	1.69
90.00	1198.00	1.00	1.67

13548 X

20245

TK# 20245

I.



13521

20245

TK# 20245

0

