



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 20079

Elevation 1774 KB Formation Miss Eff. Pay — Ft.

District GREAT Bend Date 10-7-93 Customer Order No. —

COMPANY NAME Honey Oil Co., Inc.

ADDRESS 401 EAST Douglas-Suite 505 Wichita, Ks 67202

LEASE AND WELL NO. McComb C#2 COUNTY STAFFORD STATE KS Sec. 36 Twp 24 Rge. 11

Mail Invoice To Same Co. Name — Address — No. Copies Requested Reg

Mail Charts To Same Address — No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 3810 ft. to 3846 ft. Total Depth 3950 ft.

Packer Depth 3805 ft. Size 6 5/8 in. Packer Depth 3846 ft. Size 6 5/8 in.

Packer Depth 3810 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3816 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3819 ft. Recorder Number 13550 Cap. 4175

Below Straddle Recorder Depth 3850 ft. Recorder Number 13401 Cap. 4000

Drilling Contractor Duke delg rig 5 Drill Collar Length — I. D. — in.

Mud Type CHEMICAL Viscosity 49 Weight Pipe Length — I. D. — in.

Weight 9.3 Water Loss 9.8 cc. Drill Pipe Length 3778 I. D. 3.8 in.

Chlorides 5,000 P.P.M. Test Tool Length 32 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 422 Anchor Length 36 ft. Size 5 1/2 in.

Did Well Flow? — Reversed Out — Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow IF - STRONG Blow Throughout

FF - FAIR building to a STRONG Blow in 28 min started at 5"

Recovered 450 ft. of GAS in pipe

Recovered 30 ft. of SLIGHTLY OIL - GAS cut mud

Recovered — ft. of 1% oil 4% GAS 95% mud

Recovered — ft. of —

Recovered — ft. of —

Chlorides — P.P.M. Sample Jars used 2 Remarks: —

Time On Location 1:00 A.M. Time Pick Up Tool 2:00 A.M. Time Off Location — A.M.

Time Set Packer(s) 3:35 A.M. Time Started Off Bottom 7:50 A.M. Maximum Temperature 118°

Initial Hydrostatic Pressure 1892 P.S.I.

Initial Flow Period 30 Minutes (B) 42 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period 60 Minutes (D) 116 P.S.I.

Final Flow Period 75 Minutes (E) 31 P.S.I. to (F) 31 P.S.I.

Final Closed In Period 90 Minutes (G) 116 P.S.I.

Final Hydrostatic Pressure 1882 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 Ray Schwager Thank you

FIELD INVOICE

Open Hole Test ✓
Misrun ✓
Straddle Test ✓
Jars ✓
Selective Zone ✓
Safety Joint ✓
Standby ✓
Evaluation ✓
Extra Packer ✓
Circ. Sub. ✓
Mileage ✓
Fluid Sampler ✓
Extra Charts ✓
Insurance ✓
Telecopier ✓
TOTAL ✓

WESTERN TESTING CO., INC.
Pressure Data

Date 10-7-92 Test Ticket No. 20019
 Recorder No. 4550 Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F
 Point _____ Pressure _____ Time Given _____ Time Computed _____
 A Initial Hydrostatic Mud 1932 P.S.I. Open Tool _____ 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 1915 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 0	23	0	40	0	56	0	40
P 2 5	23	3	40	5	56	3	40
P 3 10	56	6	40	10	56	6	40
P 4 15	48	9	47	15	51	9	40
P 5 20	43	12	51	20	47	12	40
P 6 25	40	15	52	25	42	15	40
P 7 30	40	18	65	30	41	18	40
P 8 35		21	67	35	2	21	57
P 9 40		24	74	40	2	24	52
P10 45		27	80	45	71	27	55
P11 50		30	82	50	40	30	52
P12 55		33	92	55	40	33	60
P13 60		36	97	60	40	36	64
P14 65		39	106	65		39	69
P15 70		42	111	70		42	74
P16 75		45	114	75	40	45	77
P17 80		48	122	80		48	80
P18 85		51	127	85		51	82
P19 90		54	130	90		54	86
P20 95		57	127	95		57	89
100		60		100		60	92

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 20079

Recorder No. _____ Capacity _____ Location _____ Ft.

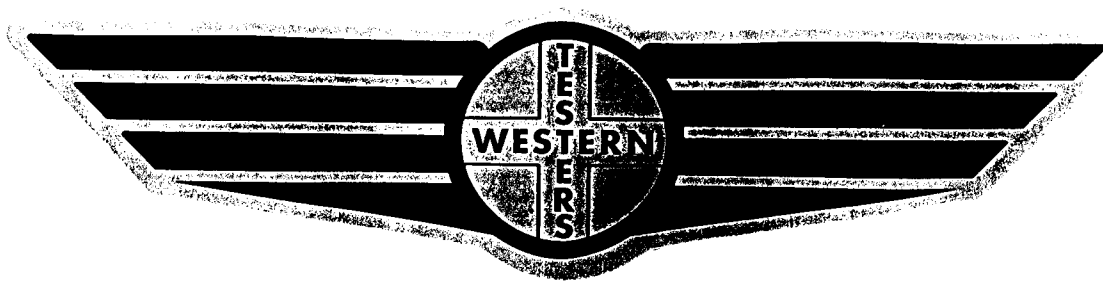
Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool	_____	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 _____	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 _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105	_____	63	_____	105	_____	63	97
P 2 110	_____	66	_____	110	_____	66	101
P 3 115	_____	69	_____	115	_____	69	105
P 4 120	_____	72	_____	120	_____	72	108
P 5 125	_____	75	_____	125	_____	75	111
P 6 130	_____	78	_____	130	_____	78	114
P 7 135	_____	81	_____	135	_____	81	117
P 8 140	_____	84	_____	140	_____	84	120
P 9 145	_____	87	_____	145	_____	87	123
P10 150	_____	90	_____	150	_____	90	125
P11 155	_____	93	_____	155	_____	93	_____
P12 160	_____	96	_____	160	_____	96	_____
P13 165	_____	99	_____	165	_____	99	_____
P14 170	_____	102	_____	170	_____	102	_____
P15 175	_____	105	_____	175	_____	105	_____
P16 180	_____	108	_____	180	_____	108	_____
P17 185	_____	111	_____	185	_____	111	_____
P18 190	_____	114	_____	190	_____	114	_____
P19 195	_____	117	_____	195	_____	117	_____
P20 200	_____	120	_____	200	_____	120	_____

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 80 - 688 - 7021

DST REPORT

GENERAL INFORMATION

DATE	: 10/7/93	TICKET	: 20079
CUSTOMER	: HONEY OIL COMPANY INC.	LEASE	: MCCOMB C
WELL	: #2	TEST:	: 1
ELEVATION	: 1774 KB	GEOLOGIST	: WILLIAMS
SECTION	: 36	FORMATION	: MISSISSIPPI
RANGE	: 11W	TOWNSHIP	: 24S
GAUGE SN#	: 13550	STATE	: KS
COUNTY	: STAFFORD	CLOCK	: 12
RANGE	: 4175		

WELL INFORMATION

PERFORATION INTERVAL FROM:	3810.00 ft	TO:	3846.00 ft	TVD:	3950.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	3816.0 ft		3819.0 ft		
TEMPERATURE:	118.0				
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 :	3778.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	32.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	36.0 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:	3805.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	3810.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	3846.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	DUKE DRLG RIG 5	VISCOSITY :	49.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	9.400 cc
WEIGHT :	9.300 ppg		
CHLORIDES :	5000 ppm	SERIAL NUMBER:	422
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW THROUGHOUT.
FINAL FLOW PERIOD FAIR BLOW BUILDING TO A STRONG
BLOW IN 28 MINUTES - STARTED AT 5 INCHES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	450 FT GAS ABOVE FLUID
30.0	1.0	4.0	0.0	95.0	SL OIL & GAS CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0042 STB		
GAS VOLUME:	0.0945 SCF	TOTAL FLOW TIME:	105.0000 min.
MUD VOLUME:	0.3998 STB	AVERAGE OIL RATE:	5.5400 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.4040 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1892.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	42.00	31.00
INITIAL SHUT-IN	60.00		116.00
FINAL FLOW	75.00	31.00	31.00
FINAL SHUT-IN	90.00		116.00

FINAL HYDROSTATIC PRESSURE: 1882.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1933.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	73.00	40.00
INITIAL SHUT-IN	57.00		137.00
FINAL FLOW	75.00	56.00	40.00
FINAL SHUT-IN	90.00		125.00

FINAL HYDROSTATIC PRESSURE: 1915.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 10/7/93	TICKET : 20079
CUSTOMER : HONEY OIL COMPANY INC.	LEASE : MCCOMB C
WELL : #2	GEOLOGIST: WILLIAMS
ELEVATION: 1774 KB	FORMATION: MISSISSIPPI
SECTION : 36	TOWNSHIP : 24S
RANGE : 11W	STATE : KS
GAUGE SN#: 13550	CLOCK : 12
COUNTY: STAFFORD	
RANGE : 4175	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	73.00	73.00
5.00	73.00	0.00
10.00	56.00	-17.00
15.00	48.00	-8.00
20.00	43.00	-5.00
25.00	40.00	-3.00
30.00	40.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	40.00	40.00	0.00
6.00	42.00	2.00	0.00
9.00	47.00	5.00	0.00
12.00	51.00	4.00	0.00
15.00	57.00	6.00	0.00
18.00	65.00	8.00	0.00
21.00	69.00	4.00	0.00
24.00	74.00	5.00	0.00
27.00	80.00	6.00	0.00
30.00	87.00	7.00	0.00
33.00	92.00	5.00	0.00
36.00	97.00	5.00	0.00
39.00	106.00	9.00	0.00
42.00	111.00	5.00	0.00
45.00	114.00	3.00	0.00
48.00	122.00	8.00	0.00
51.00	127.00	5.00	0.00
54.00	130.00	3.00	0.00
57.00	137.00	7.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	56.00	56.00
5.00	56.00	0.00
10.00	56.00	0.00
15.00	51.00	-5.00
20.00	47.00	-4.00
25.00	42.00	-5.00
30.00	41.00	-1.00
35.00	41.00	0.00
40.00	41.00	0.00
45.00	41.00	0.00
50.00	40.00	-1.00
55.00	40.00	0.00
60.00	40.00	0.00
65.00	40.00	0.00
70.00	40.00	0.00
75.00	40.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	40.00	40.00	0.00
6.00	40.00	0.00	0.00
9.00	40.00	0.00	0.00
12.00	43.00	3.00	0.00
15.00	46.00	3.00	0.00
18.00	49.00	3.00	0.00
21.00	51.00	2.00	0.00
24.00	53.00	2.00	0.00
27.00	55.00	2.00	0.00
30.00	57.00	2.00	0.00
33.00	60.00	3.00	0.00
36.00	64.00	4.00	0.00
39.00	69.00	5.00	0.00
42.00	74.00	5.00	0.00
45.00	77.00	3.00	0.00
48.00	80.00	3.00	0.00
51.00	83.00	3.00	0.00
54.00	86.00	3.00	0.00
57.00	89.00	3.00	0.00
60.00	93.00	4.00	0.00
63.00	97.00	4.00	0.00
66.00	101.00	4.00	0.00

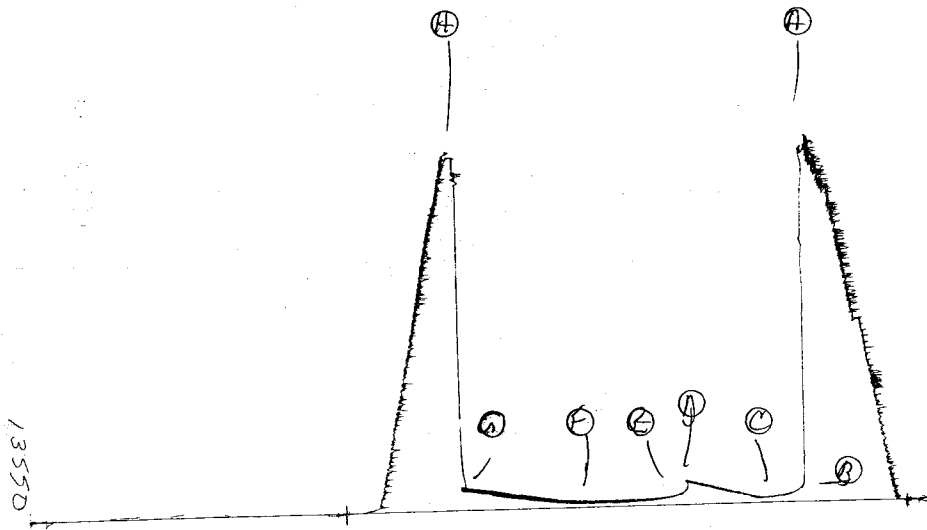
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
69.00	105.00	4.00	0.00
72.00	108.00	3.00	0.00
75.00	111.00	3.00	0.00
78.00	114.00	3.00	0.00
81.00	117.00	3.00	0.00
84.00	120.00	3.00	0.00
87.00	123.00	3.00	0.00
90.00	125.00	2.00	0.00

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