



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 16024

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

Elevation 1783 KB Formation Miss Eff. Pay Ft.

District 12 PRATT Date 6-12-90 Customer Order No.

COMPANY NAME Honey Oil Co. Inc. Suite 505

ADDRESS 401 East Douglas St Wichita, Kansas 67202

LEASE AND WELL NO. Yust #1 COUNTY Reno STATE KANS Sec. 19 Twp 24 Rge. 10W

Mail Invoice To: Same Co. Name Yust #1 Address No. Copies Requested 199

Mail Charts To: Same Yust #1 Address No. Copies Requested 199

Formation Test No. 1 Interval Tested From 3740 ft. to 3760 ft. Total Depth 3760 ft.

Packer Depth 3735 ft. Size 6 3/8 in. Packer Depth 2 ft. Size 2 in.

Packer Depth 3740 ft. Size 6 3/8 in. Packer Depth 2 ft. Size 2 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3752 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 3755 ft. Recorder Number 13520 Cap. 4200

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor: hobo Drilling Drill Collar Length 0 I. D. in.

Mud Type: Chem Viscosity 151 Weight Pipe Length 513 I. D. 2.5 in.

Weight 9.5 Water Loss 11.2 cc. Drill Pipe Length 3207 I. D. 3.8 in.

Chlorides 8,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make No Serial Number 7 Anchor Length 20 ft. Size 5 1/2 OD 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 in.

Blow: Strong flow on initial flow - gas to surface 28 minutes

See flow chart

Recovered ft. of Recovered 20 ft. of gas cut mud - slight show of oil

Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of

Chlorides P.P.M. Sample Jars used Remarks: Clock on recorder 13520 - stopped

Time On Location 9:00 A.M. Time Pick Up Tool 11:20 A.M. Time Off Location 7:00 P.M.

Time Set Packer(s) 12:45 P.M. Time Started Off Bottom 5:15 A.M. Maximum Temperature 113 °F

Initial Hydrostatic Pressure (A) 1952 P.S.I.

Initial Flow Period Minutes 30 (B) 64 P.S.I. to (C) 64 P.S.I.

Initial Closed In Period Minutes 60 (D) 64 P.S.I.

Final Flow Period Minutes 60 (E) 64 P.S.I. to (F) 64 P.S.I.

Final Closed In Period Minutes 120 (G) 569 P.S.I.

Final Hydrostatic Pressure (H) 1920 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: Red Britt - Thank you

2076

FIELD INVOICE

Open Hole Test \$ 400
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$



No 5195

GAS FLOW REPORT

Date 6-12-90 Ticket 16024 Company Honey Oil Co
 Well Name and No. Yust #1 Dst No. 1 Interval Tested 3740-3760
 County Renb State KANSAS Sec. 19 Twp. 24s Rg. 10W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW					
<u>28</u> <u>30</u>	<u>Inches of Water</u> <u>14</u>	<u>1/2</u>			<u>Gas surface</u> <u>23,700</u> <u>CFPD</u>

SECOND FLOW					
<u>10</u>	<u>14</u>	<u>1/2</u>			<u>23,700</u> <u>CFPD</u>
<u>20</u>	<u>15</u>	{			<u>24,500</u>
<u>30</u>	<u>15</u>		<u>24,500</u>		
<u>40</u>	<u>16</u>		<u>25,100</u>		
<u>50</u>	<u>16</u>		<u>25,100</u>		
<u>60</u>	<u>16</u>		<u>25,100</u>		

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

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 _____
 Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 6-12-90 Recorder No. 1051 Capacity 4250 Location _____ Ft. _____
 Test Ticket No. 16024
 Clock No. _____ Elevation _____ Well Temperature 112 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1940</u> P.S.I.	<u>12:45</u> M	
B First Initial Flow Pressure	<u>62</u> P.S.I.	<u>30</u> Mins	<u>30</u> Mins
C First Final Flow Pressure	<u>62</u> P.S.I.	<u>60</u> Mins	<u>60</u> Mins
D Initial Closed-in Pressure	<u>62</u> P.S.I.	<u>60</u> Mins	<u>60</u> Mins
E Second Initial Flow Pressure	<u>62</u> P.S.I.	<u>120</u> Mins	<u>126</u> Mins
F Second Final Flow Pressure	<u>62</u> P.S.I.		
G Final Closed-in Pressure	<u>574</u> P.S.I.		
H Final Hydrostatic Mud	<u>1912</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
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	<u>62</u>	0	<u>62</u>	0	<u>62</u>	0	<u>62</u>
P 2 5		3		5		3	<u>67</u>
P 3 10		6		10		6	<u>230</u>
P 4 15		9		15		9	<u>306</u>
P 5 20		12		20		12	<u>355</u>
P 6 25		15		25		15	<u>388</u>
P 7 30	<u>62</u>	18		30		18	<u>409</u>
P 8 35		21		35		21	<u>419</u>
P 9 40		24		40		24	<u>424</u>
P10 45		27		45		27	<u>424</u>
P11 50		30	<u>62</u>	50		30	<u>425</u>
P12 55		33		55		33	<u>442</u>
P13 60		36		60	<u>62</u>	36	<u>450</u>
P14 65		39		65		39	<u>459</u>
P15 70		42		70		42	<u>468</u>
P16 75		45		75		45	<u>472</u>
P17 80		48		80		48	<u>477</u>
P18 85		51		85		51	<u>482</u>
P19 90		54		90		54	<u>486</u>
P20 95		57		95		57	<u>489</u>
100		60	<u>62</u>	100		60	<u>493</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 16024

Recorder No. _____ Capacity _____ Location _____ Ft. _____

Clock No. _____ Elevation _____ Well Temperature _____ °F

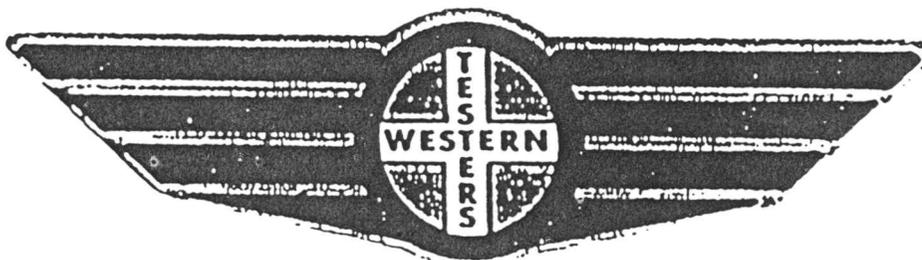
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool	_____	M _____
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure	_____	Mins. _____ Mins. _____
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure	_____	Mins. _____ Mins. _____
D Initial 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

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.
	Press.	Point Minutes	Press.	Point Minutes
P 1	105	63	105	63
P 2	110	66	110	66
P 3	115	69	115	69
P 4	120	72	120	72
P 5	125	75	125	75
P 6	130	78	130	78
P 7	135	81	135	81
P 8	140	84	140	84
P 9	145	87	145	87
P10	150	90	150	90
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

Handwritten pressure values for Final Shut-In:
 64. 496
 498
 500
 501
 502
 503
 511
 517
 522
 528
 532
 536
 539
 544
 547
 552
 556
 561
 565
 568
 122. 571
 126. 574

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-12-90 TICKET : 16024
CUSTOMER : HONEY OIL COMPANY INC. LEASE : YUST
WELL : #1 TEST: 1 GEOLOGIST : BAKER
ELEVATION : 1783 K.B. FORMATION : MISSISSIPPI
SECTION : 19 TOWNSHIP : 24S
RANGE : 10W COUNTY : RENO STATE : KANSAS
GAUGE SN# : 1051 RANGE : 4250 CLOCK : 12

INTERVAL FROM : 3740 TO : 3760 TOTAL DEPTH : 3760
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3735 SIZE : 6.63
PACKER DEPTH : 3740 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : LOBO DRILLING
MUD TYPE : CHEMICAL VISCOSITY : 51
WEIGHT : 9.5 WATER LOSS (CC) : 11.2
CHLORIDES (PPM) : 8000
JARS-MAKE : NO SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 513 FT I.D. inch : 2.50
DRILL PIPE LENGTH : 3207 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 20 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD STRONG BLOW.
BLOW COMMENT #2 : GAS TO SURFACE IN 28 MINUTES.
BLOW COMMENT #3 : SEE ATTACHED GAS FLOW REPORT.
BLOW COMMENT #4 :

RECOVERED : 20 FT OF: GAS-CUT MUD
RECOVERED : 0 FT OF: SLL. SHOW OF OIL

Total Barrels Fluid = 0.12
Total Fluid Prod Rate = 1.94 BFPD
Indicated Wtr Rate = 0.19 BWPD

REMARK 1 :
REMARK 2 : CLOCK ON RECORDER 13520 STOPPED.
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 12:45 P.M. TIME STARTED OFF BOTTOM : 5:15 P.M.
WELL TEMPERATURE : 113
INITIAL HYDROSTATIC PRESSURE (A) 1940
INITIAL FLOW PERIOD MIN: 30 (B) 62 PSI TO (C) : 62
INITIAL CLOSED IN PERIOD MIN: 60 (D) 62
FINAL FLOW PERIOD MIN: 60 (E) 62 PSI TO (F) : 62
FINAL CLOSED IN PERIOD MIN: 126 (G) 574
FINAL HYDROSTATIC PRESSURE (H) 1912

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : HONEY OIL COMPANY INC.
RIG : RENO-KANSAS
FIELD : YUST
WELL : #1
DATE : 6-12-90
GAUGE NO : 1051

OPERATIONAL COMMENTS

CLOCK ON RECORDER 13520 STOPPED.

COMPANY : HONEY OIL COMPANY INC.
 WELL : #1
 GAUGE # : 1051
 DATE : 12/ 6/90

FIELD : YUST
 JOB # : 16024
 DEPTH : 3760
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	12:45: 0	0.000	62.000	113.00	0.000
3	12:49:59	0.083	62.000	113.00	0.000
4	12:55: 0	0.167	62.000	113.00	0.000
5	13: 0: 0	0.250	62.000	113.00	0.000
6	13: 4:59	0.333	62.000	113.00	0.000
7	13:10: 0	0.417	62.000	113.00	0.000
8	13:15: 0	0.500	62.000	113.00	0.000
INITIAL SHUT-IN PERIOD					
9	13:18: 0	0.550	62.000	113.00	0.000
10	13:21: 0	0.600	62.000	113.00	0.000
11	13:24: 0	0.650	62.000	113.00	0.000
12	13:27: 0	0.700	62.000	113.00	0.000
13	13:30: 0	0.750	62.000	113.00	0.000
14	13:33: 0	0.800	62.000	113.00	0.000
15	13:36: 0	0.850	62.000	113.00	0.000
16	13:39: 0	0.900	62.000	113.00	0.000
17	13:42: 0	0.950	62.000	113.00	0.000
18	13:45: 0	1.000	62.000	113.00	0.000
19	13:48: 0	1.050	62.000	113.00	0.000
20	13:51: 0	1.100	62.000	113.00	0.000
21	13:54: 0	1.150	62.000	113.00	0.000
22	13:57: 0	1.200	62.000	113.00	0.000
23	14: 0: 0	1.250	62.000	113.00	0.000
24	14: 3: 0	1.300	62.000	113.00	0.000
25	14: 6: 0	1.350	62.000	113.00	0.000
26	14: 9: 0	1.400	62.000	113.00	0.000
27	14:12: 0	1.450	62.000	113.00	0.000
28	14:15: 0	1.500	62.000	113.00	0.000
FINAL FLOW PERIOD					
29	14:16: 0	1.517	62.000	113.00	0.000
30	14:19:59	1.583	62.000	113.00	0.000
31	14:25: 0	1.667	62.000	113.00	0.000
32	14:30: 0	1.750	62.000	113.00	0.000
33	14:34:59	1.833	62.000	113.00	0.000
34	14:40: 0	1.917	62.000	113.00	0.000
35	14:45: 0	2.000	62.000	113.00	0.000
36	14:49:59	2.083	62.000	113.00	0.000
37	14:55: 0	2.167	62.000	113.00	0.000
38	15: 0: 0	2.250	62.000	113.00	0.000
39	15: 4:59	2.333	62.000	113.00	0.000
40	15:10: 0	2.417	62.000	113.00	0.000
41	15:15: 0	2.500	62.000	113.00	0.000
FINAL SHUT-IN PERIOD					
42	15:18: 0	2.550	67.000	113.00	5.000
43	15:21: 0	2.600	230.000	113.00	163.000
44	15:24: 0	2.650	306.000	113.00	76.000
45	15:27: 0	2.700	355.000	113.00	49.000
46	15:30: 0	2.750	388.000	113.00	33.000
47	15:33: 0	2.800	409.000	113.00	21.000
48	15:36: 0	2.850	419.000	113.00	10.000

COMPANY : HONEY OIL COMPANY INC.
 WELL : #1
 GAUGE # : 1051
 DATE : 12/ 6/90

FIELD : YUST
 JOB # : 16024
 DEPTH : 3760
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	15:39: 0	2.900	421.000	113.00	2.000
50	15:42: 0	2.950	424.000	113.00	3.000
51	15:45: 0	3.000	433.000	113.00	9.000
52	15:48: 0	3.050	442.000	113.00	9.000
53	15:51: 0	3.100	450.000	113.00	8.000
54	15:54: 0	3.150	459.000	113.00	9.000
55	15:57: 0	3.200	468.000	113.00	9.000
56	16: 0: 0	3.250	472.000	113.00	4.000
57	16: 3: 0	3.300	477.000	113.00	5.000
58	16: 6: 0	3.350	483.000	113.00	6.000
59	16: 9: 0	3.400	486.000	113.00	3.000
60	16:12: 0	3.450	489.000	113.00	3.000
61	16:15: 0	3.500	493.000	113.00	4.000
62	16:18: 0	3.550	496.000	113.00	3.000
63	16:21: 0	3.600	498.000	113.00	2.000
64	16:24: 0	3.650	500.000	113.00	2.000
65	16:27: 0	3.700	501.000	113.00	1.000
66	16:30: 0	3.750	502.000	113.00	1.000
67	16:33: 0	3.800	503.000	113.00	1.000
68	16:36: 0	3.850	511.000	113.00	8.000
69	16:39: 0	3.900	517.000	113.00	6.000
70	16:42: 0	3.950	523.000	113.00	6.000
71	16:45: 0	4.000	528.000	113.00	5.000
72	16:48: 0	4.050	532.000	113.00	4.000
73	16:51: 0	4.100	536.000	113.00	4.000
74	16:54: 0	4.150	539.000	113.00	3.000
75	16:57: 0	4.200	542.000	113.00	3.000
76	17: 0: 0	4.250	547.000	113.00	5.000
77	17: 3: 0	4.300	552.000	113.00	5.000
78	17: 6: 0	4.350	556.000	113.00	4.000
79	17: 9: 0	4.400	561.000	113.00	5.000
80	17:12: 0	4.450	565.000	113.00	4.000
81	17:15: 0	4.500	568.000	113.00	3.000
82	17:18: 0	4.550	571.000	113.00	3.000
83	17:21: 0	4.600	574.000	113.00	3.000

WESTERN TESTING CO. INC.

GAS FLOW REPORT

Date : 6-12-90	Ticket # : 16024
Customer : HONEY OIL COMPANY INC.	Lease : YUST
Well : #1 Test : 1	Geologist : BAKER
Elevation (KB) : 1783 K.B. Formation : MISSISSIPPI	
Section : 19 Township : 24S	
Range : 10W County : RENO	State : KANSAS
Gauge SN # : 1051 Range : 4250	Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW
=====

28 MIN.	MERLA	1/2"		GAS TO SURFACE
30 MIN.	MERLA	1/2"	14" WTR	23700 C.F.P.D.

SECOND FLOW
=====

10 MIN.	MERLA	1/2"	14" WTR	23700 C.F.P.D.
20 MIN.	MERLA	1/2"	15" WTR	24500 C.F.P.D.
30 MIN.	MERLA	1/2"	15" WTR	24500 C.F.P.D.
40 MIN.	MERLA	1/2"	16" WTR	25100 C.F.P.D.
50 MIN.	MERLA	1/2"	16" WTR	25100 C.F.P.D.
60 MIN.	MERLA	1/2"	16" WTR	25100 C.F.P.D.

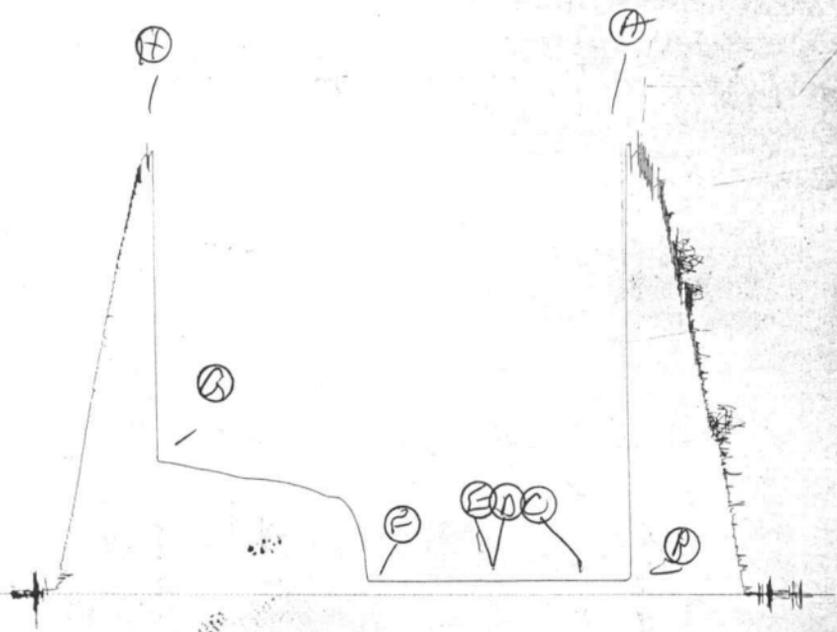
Gas Bottle SN # :
 Date Bottle Filled : 6-12-90
 Date to be Invoiced : 6-12-90

1001 101 11



11/024

I



13510 12547

KT 16024

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 16025

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

Elevation 1783 KB Formation Miss Eff. Pay Ft.

District 12 Pearl Date 10-13-90 Customer Order No.
COMPANY NAME Honey Oil Co Inc. Suite 505
ADDRESS 401 East Douglas Wichita Kansas 67202
LEASE AND WELL NO. Yust #1 COUNTY Reno STATE KANSAS Sec. 19 Twp 24 Rge. 10W
Mail Invoice SAME Co. Name Yust #1 Address No. Copies Requested Reg
Mail Charts SAME Yust #1 Address No. Copies Requested Reg

Formation Test No. 2 Interval Tested From 3760 ft. to 3792 ft. Total Depth 3792 ft.
Packer Depth 3755 ft. Size 6 5/8 in. Packer Depth 2 ft. Size 2 in.
Packer Depth 3760 ft. Size 6 5/8 in. Packer Depth 2 ft. Size 2 in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 3772 ft. Recorder Number 1051 Cap. 4250
Bottom Recorder Depth (Outside) 3775 ft. Recorder Number 13520 Cap. 4200
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Hobo Drilling Co Drill Collar Length 0 I. D. in.
Mud Type Chem Viscosity 54 Weight Pipe Length 513 I. D. 2.5 in.
Weight 9.3 Water Loss 11.2 cc. Drill Pipe Length 3227 I. D. 3.2 in.
Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 57200 in.
Jars: Make NO Serial Number Anchor Length 32 ft. Size 57200 in.
Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 1/2 in. Tool Joint Size 4 1/2 in.

Blow: Weak blow building to a fair (4 inch) blow on initial flow
fair blow on final flow (4 to 5 inches) into water
Recovered ft. of
Recovered 240 ft. of Gas in pipe
Recovered 30 ft. of slightly oil cut mud
Recovered ft. of
Recovered ft. of
Chlorides P.P.M. Sample Jars used Remarks: 3. W

Time On Location 7:00 A.M. Time Pick Up Tool 1:20 A.M. Time Off Location A.M.
Time Set Packer(s) 2:45 P.M. Time Started Off Bottom 7:15 A.M. Maximum Temperature 113 °F
Initial Hydrostatic Pressure (A) 1920 P.S.I.
Initial Flow Period Minutes 30 (B) 86 P.S.I. to (C) 86 P.S.I.
Initial Closed In Period Minutes 60 (D) 86 P.S.I.
Final Flow Period Minutes 60 (E) 86 P.S.I. to (F) 86 P.S.I.
Final Closed In Period Minutes 120 (G) 86 P.S.I.
Final Hydrostatic Pressure (H) 1920 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 Rod Britt 2076 Thank you

FIELD INVOICE 400
Open Hole Test \$ 400
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 6-13-90 Test Ticket No. 16025
 Recorder No. 1051 Capacity 4250 Location _____ Fr. _____
 Clock No. _____ Elevation _____ Well Temperature 113 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1925</u> P.S.I.	<u>2:45 AM</u>	
B First Initial Flow Pressure	<u>77</u> P.S.I.	<u>50</u> Mins	<u>50</u> Mins
C First Final Flow Pressure	<u>77</u> P.S.I.	<u>60</u> Mins	<u>60</u> Mins
D Initial Closed-in Pressure	<u>77</u> P.S.I.	<u>60</u> Mins	<u>60</u> Mins
E Second Initial Flow Pressure	<u>77</u> P.S.I.	<u>60</u> Mins	<u>60</u> Mins
F Second Final Flow Pressure	<u>77</u> P.S.I.	<u>120</u> Mins	<u>125</u> Mins
G Final Closed-in Pressure	<u>77</u> P.S.I.		
H Final Hydrostatic Mud	<u>1918</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
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	<u>77</u>	0	<u>77</u>	0	<u>77</u>	0	<u>77</u>
P 2 5		3		5		3	
P 3 10		6		10		6	
P 4 15		9		15		9	
P 5 20		12		20		12	
P 6 25		15		25		15	
P 7 30	<u>77</u>	18		30		18	
P 8 35		21		35		21	
P 9 40		24		40		24	
P10 45		27		45		27	
P11 50		30		50		30	
P12 55		33		55		33	
P13 60		36		60	<u>77</u>	36	
P14 65		39		65		39	
P15 70		42		70		42	
P16 75		45		75		45	
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	
P20 95		57		95		57	
100		60	<u>77</u>	100		60	<u>77</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 16025

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

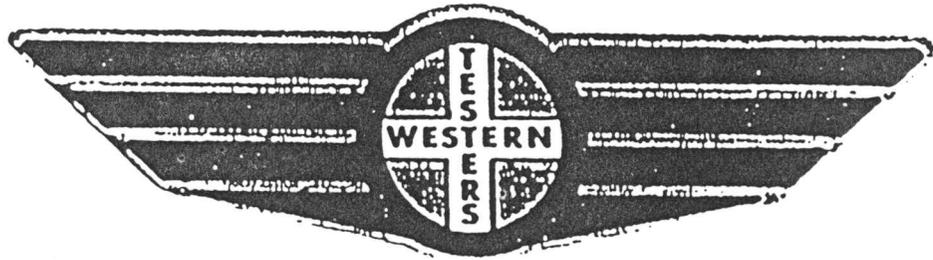
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E 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.							
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	27
P 2	110	66		110		66	
P 3	115	69		115		69	
P 4	120	72		120		72	
P 5	125	75		125		75	
P 6	130	78		130		78	
P 7	135	81		135		81	
P 8	140	84		140		84	
P 9	145	87		145		87	
P10	150	90		150		90	
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	

HS
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-13-90 TICKET : 16025
CUSTOMER : HONEY OIL COMPANY INC. LEASE : YUST
WELL : #1 TEST: 2 GEOLOGIST : BAKER
ELEVATION : 1783 K.B. FORMATION : MISSISSIPPI
SECTION : 19 TOWNSHIP : 24S
RANGE : 10W COUNTY : RENO STATE : KANSAS
GAUGE SN# : 1051 RANGE : 4250 CLOCK : 12

INTERVAL FROM : 3760 TO : 3792 TOTAL DEPTH : 3792
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3755 SIZE : 6.63
PACKER DEPTH : 3760 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : LOBO DRILLING
MUD TYPE : CHEMICAL VISCOSITY : 54
WEIGHT : 9.3 WATER LOSS (CC) : 11.2
CHLORIDES (PPM) : 8000
JARS-MAKE : NO SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 513 FT I.D. inch : 2.50
DRILL PIPE LENGTH : 3227 FT I.D. inch : 3.60
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 32 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK BLOW BUILDING TO
BLOW COMMENT #2 : A FAIR 4 INCH BLOW.
BLOW COMMENT #3 : FINAL FLOW PERIOD FAIR BLOW (4 TO 5 INCHES)
BLOW COMMENT #4 : INTO WATER.

RECOVERED : 30 FT OF: SLI. OIL-CUT MUD

Total Barrels Fluid = 0.18
Total Fluid Prod Rate = 2.91 BFPD
Indicated Wtr Rate = 0.29 BWPD

REMARK 1 :
REMARK 2 : 240 FT. GAS ABOVE FLUID
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	2:45 A.M.	TIME STARTED OFF BOTTOM :	7:15 A.M.
WELL TEMPERATURE :	113		
INITIAL HYDROSTATIC PRESSURE		(A)	1925
INITIAL FLOW PERIOD MIN:	30	(B)	77 PSI TO (C) : 77
INITIAL CLOSED IN PERIOD MIN:	60	(D)	77
FINAL FLOW PERIOD MIN:	60	(E)	77 PSI TO (F) : 77
FINAL CLOSED IN PERIOD MIN:	123	(G)	77
FINAL HYDROSTATIC PRESSURE		(H)	1918

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : HONEY OIL COMPANY INC.
RIG : RENO-KANSAS
FIELD : YUST
WELL : #1
DATE : 6-13-90
GAUGE NO : 1051

OPERATIONAL COMMENTS

240 FT. GAS ABOVE FLUID

COMPANY : HONEY OIL COMPANY INC.
 WELL : #1
 GAUGE # : 1051
 DATE : 13/ 6/90

FIELD : YUST
 JOB # : 16025
 DEPTH : 3792
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	2:45: 0	0.000	77.000	113.00	0.000
3	2:49:59	0.083	77.000	113.00	0.000
4	2:55: 0	0.167	77.000	113.00	0.000
5	3: 0: 0	0.250	77.000	113.00	0.000
6	3: 4:59	0.333	77.000	113.00	0.000
7	3:10: 0	0.417	77.000	113.00	0.000
8	3:15: 0	0.500	77.000	113.00	0.000
INITIAL SHUT-IN PERIOD					
9	3:18: 0	0.550	77.000	113.00	0.000
10	3:21: 0	0.600	77.000	113.00	0.000
11	3:24: 0	0.650	77.000	113.00	0.000
12	3:27: 0	0.700	77.000	113.00	0.000
13	3:30: 0	0.750	77.000	113.00	0.000
14	3:33: 0	0.800	77.000	113.00	0.000
15	3:36: 0	0.850	77.000	113.00	0.000
16	3:39: 0	0.900	77.000	113.00	0.000
17	3:42: 0	0.950	77.000	113.00	0.000
18	3:45: 0	1.000	77.000	113.00	0.000
19	3:48: 0	1.050	77.000	113.00	0.000
20	3:51: 0	1.100	77.000	113.00	0.000
21	3:54: 0	1.150	77.000	113.00	0.000
22	3:57: 0	1.200	77.000	113.00	0.000
23	4: 0: 0	1.250	77.000	113.00	0.000
24	4: 3: 0	1.300	77.000	113.00	0.000
25	4: 6: 0	1.350	77.000	113.00	0.000
26	4: 9: 0	1.400	77.000	113.00	0.000
27	4:12: 0	1.450	77.000	113.00	0.000
28	4:15: 0	1.500	77.000	113.00	0.000
FINAL FLOW PERIOD					
29	4:16: 0	1.517	77.000	113.00	0.000
30	4:19:59	1.583	77.000	113.00	0.000
31	4:25: 0	1.667	77.000	113.00	0.000
32	4:30: 0	1.750	77.000	113.00	0.000
33	4:34:59	1.833	77.000	113.00	0.000
34	4:40: 0	1.917	77.000	113.00	0.000
35	4:45: 0	2.000	77.000	113.00	0.000
36	4:49:59	2.083	77.000	113.00	0.000
37	4:55: 0	2.167	77.000	113.00	0.000
38	5: 0: 0	2.250	77.000	113.00	0.000
39	5: 4:59	2.333	77.000	113.00	0.000
40	5:10: 0	2.417	77.000	113.00	0.000
41	5:15: 0	2.500	77.000	113.00	0.000
FINAL SHUT-IN PERIOD					
42	5:18: 0	2.550	77.000	113.00	0.000
43	5:21: 0	2.600	77.000	113.00	0.000
44	5:24: 0	2.650	77.000	113.00	0.000
45	5:27: 0	2.700	77.000	113.00	0.000
46	5:30: 0	2.750	77.000	113.00	0.000
47	5:33: 0	2.800	77.000	113.00	0.000
48	5:36: 0	2.850	77.000	113.00	0.000

COMPANY : HONEY OIL COMPANY INC.
 WELL : #1
 GAUGE # : 1051
 DATE : 13/ 6/90

FIELD : YUST
 JOB # : 16025
 DEPTH : 3792
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	5:39: 0	2.900	77.000	113.00	0.000
50	5:42: 0	2.950	77.000	113.00	0.000
51	5:45: 0	3.000	77.000	113.00	0.000
52	5:48: 0	3.050	77.000	113.00	0.000
53	5:51: 0	3.100	77.000	113.00	0.000
54	5:54: 0	3.150	77.000	113.00	0.000
55	5:57: 0	3.200	77.000	113.00	0.000
56	6: 0: 0	3.250	77.000	113.00	0.000
57	6: 3: 0	3.300	77.000	113.00	0.000
58	6: 6: 0	3.350	77.000	113.00	0.000
59	6: 9: 0	3.400	77.000	113.00	0.000
60	6:12: 0	3.450	77.000	113.00	0.000
61	6:15: 0	3.500	77.000	113.00	0.000
62	6:18: 0	3.550	77.000	113.00	0.000
63	6:21: 0	3.600	77.000	113.00	0.000
64	6:24: 0	3.650	77.000	113.00	0.000
65	6:27: 0	3.700	77.000	113.00	0.000
66	6:30: 0	3.750	77.000	113.00	0.000
67	6:33: 0	3.800	77.000	113.00	0.000
68	6:36: 0	3.850	77.000	113.00	0.000
69	6:39: 0	3.900	77.000	113.00	0.000
70	6:42: 0	3.950	77.000	113.00	0.000
71	6:45: 0	4.000	77.000	113.00	0.000
72	6:48: 0	4.050	77.000	113.00	0.000
73	6:51: 0	4.100	77.000	113.00	0.000
74	6:54: 0	4.150	77.000	113.00	0.000
75	6:57: 0	4.200	77.000	113.00	0.000
76	7: 0: 0	4.250	77.000	113.00	0.000
77	7: 3: 0	4.300	77.000	113.00	0.000
78	7: 6: 0	4.350	77.000	113.00	0.000
79	7: 9: 0	4.400	77.000	113.00	0.000
80	7:12: 0	4.450	77.000	113.00	0.000
81	7:15: 0	4.500	77.000	113.00	0.000
82	7:18: 0	4.550	77.000	113.00	0.000

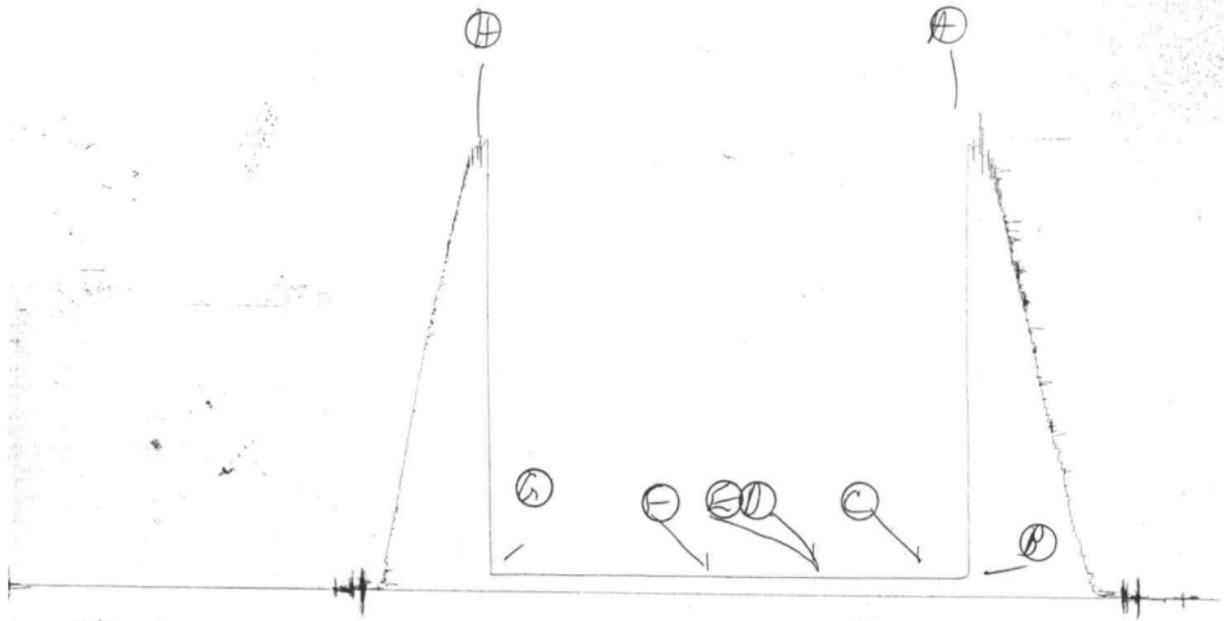
WESTERN TESTING CO. INC.

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