



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 16458

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation N/A

Formation MISS

Eff. Pay Ft.

District 11

GREAT BEND Date 6-24-90

Customer Order No.

COMPANY NAME HONEY OIL CO INC

ADDRESS 401 E. DOUGLAS SUITE 505 WICHITA, KS. 67202

LEASE AND WELL NO. FARMER #1 COUNTY STAFFORD STATE KS Sec. 1 Twp. 25S Rge. 11W

Mail Invoice To SAME L10L Co. Name Address FARMER #1 No. Copies Requested REG

Mail Charts To SAME Address FARMER #1 No. Copies Requested REG

Formation Test No. 1 Interval Tested From 3825 ft. to 3855 ft. Total Depth 3855 ft.

Packer Depth 3825 ft. Size 65/8 in. Packer Depth ft. Size in.

Packer Depth 3820 ft. Size 65/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3847 ft.

Recorder Number 3659 Cap. 4000

Bottom Recorder Depth (Outside) 3850 ft.

Recorder Number 4339 Cap. 4300

Below Straddle Recorder Depth ft.

Recorder Number Cap.

Drilling Contractor LORO #1

Drill Collar Length I. D. in.

Mud Type CHEMICAL Viscosity 43

Weight Pipe Length 512 I. D. 2.7 in.

Weight 9.4T Water Loss 10.4 cc.

Drill Pipe Length 3291 I. D. 3.8 in.

Chlorides 5500 P.P.M.

Test Tool Length 22 ft. Tool Size 5/2 in.

Jars: Make Serial Number

Anchor Length 30 ft. Size 5/2 in.

Did Well Flow? Reversed Out

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 X 1 1/2 in.

Blow: FAIR TO STRONG OFF BOTTOM OF BUCKET 15 MIN

FAIR TO STRONG OFF BOTTOM 20 MIN

Recovered 30 ft. of MUD FEW ON SPOTS

Recovered 370 ft. of GAS IN PIPE

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used 1 Remarks:

Time On Location 300 A.M. Time Pick Up Tool 500 A.M. Time Off Location 500 A.M.

Time Set Packer(s) 745 A.M. Time Started Off Bottom 1245 A.M. Maximum Temperature 119

Initial Hydrostatic Pressure 1982 P.S.I. Initial Flow Period 30 Minutes (B) 71 P.S.I. to (C) 71 P.S.I.

Initial Closed In Period 60 Minutes (D) 153 P.S.I. Final Flow Period 90 Minutes (E) 71 P.S.I. to (F) 71 P.S.I.

Final Closed In Period 120 Minutes (G) 264 P.S.I. Final Hydrostatic Pressure 1982 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 of Customer or his authorized representative

Western Representative NORMAN HICHEL 0830 Thank You

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 \$

WESTERN TESTING CO., INC.

Pressure Data

Date 6-24-90 Recorder No. 3659 Capacity 4000 Test Ticket No. 16458 Location _____ Ft. Clock No. _____ Elevation _____ Well Temperature 119 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>204</u> P.S.I.	<u>7:45A</u> M	
B First Initial Flow Pressure	<u>59</u> P.S.I.	<u>30</u> Mins	<u>20</u> Mins.
C First Final Flow Pressure	<u>59</u> P.S.I.	<u>60</u> Mins	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>156</u> P.S.I.	<u>90</u> Mins	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>62</u> P.S.I.	<u>120</u> Mins	<u>117</u> Mins.
F Second Final Flow Pressure	<u>62</u> P.S.I.		
G Final Closed-in Pressure	<u>194</u> P.S.I.		
H Final Hydrostatic Mud	<u>1986</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 0	<u>59</u>	0	<u>59</u>	0	<u>62</u>	0	<u>62</u>
P 2 5		3	<u>59</u>	5		3	<u>65</u>
P 3 10		6	<u>62</u>	10		6	<u>68</u>
P 4 15		9	<u>68</u>	15		9	<u>72</u>
P 5 20		12	<u>75</u>	20		12	<u>74</u>
P 6 25		15	<u>79</u>	25		15	<u>76</u>
P 7 30	<u>59</u>	18	<u>84</u>	30		18	<u>81</u>
P 8 35		21	<u>89</u>	35		21	<u>85</u>
P 9 40		24	<u>95</u>	40		24	<u>89</u>
P10 45		27	<u>100</u>	45		27	<u>95</u>
P11 50		30	<u>107</u>	50		30	<u>98</u>
P12 55		33	<u>112</u>	55		33	<u>102</u>
P13 60		36	<u>117</u>	60		36	<u>105</u>
P14 65		39	<u>122</u>	65		39	<u>110</u>
P15 70		42	<u>128</u>	70		42	<u>112</u>
P16 75		45	<u>132</u>	75		45	<u>116</u>
P17 80		48	<u>137</u>	80		48	<u>120</u>
P18 85		51	<u>142</u>	85		51	<u>122</u>
P19 90		54	<u>147</u>	90	<u>62</u>	54	<u>127</u>
P20 95		57	<u>152</u>	95		57	<u>130</u>
100		60	<u>156</u>	100		60	<u>135</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticker No. 16458

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.				

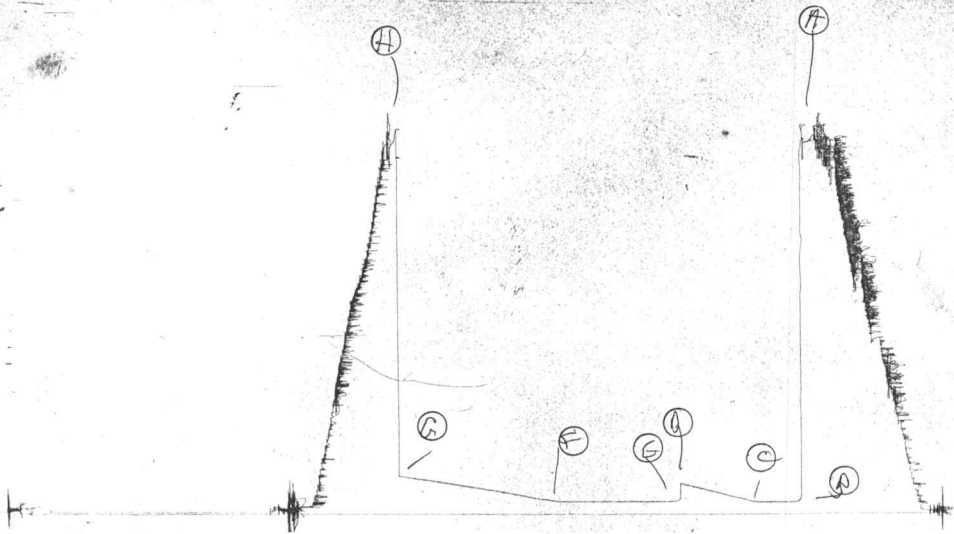
PRESSURE BREAKDOWN

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	138
P 2 110		66		110		66	142
P 3 115		69		115		69	144
P 4 120		72		120		72	148
P 5 125		75		125		75	151
P 6 130		78		130		78	154
P 7 135		81		135		81	158
P 8 140		84		140		84	160
P 9 145		87		145		87	164
P10 150		90		150		90	167
P11 155		93		155		93	171
P12 160		96		160		96	172
P13 165		99		165		99	177
P14 170		102		170		102	180
P15 175		105		175		105	183
P16 180		108		180		103	186
P17 185		111		185		111	189
P18 190		114		190		114	191
P19 195		117		195		117	194
P20 200		120		200		120	197

3659

K+ 16458

1



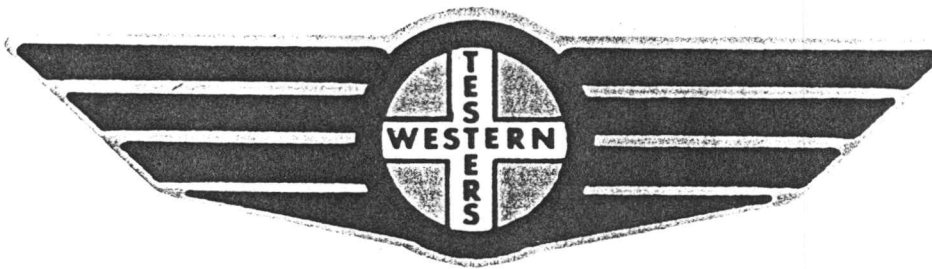
7339

K + 16458

D



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	6-24-90	TICKET	:	16458
CUSTOMER	:	HONEY OIL COMPANY INC.	LEASE	:	FARMER
WELL	:	#1	TEST:	:	1
ELEVATION	:	NA	GEOLOGIST	:	PRIEST
SECTION	:	1	FORMATION	:	MISSISSIPPI
RANGE	:	11W	TOWNSHIP	:	25S
GAUGE SN#	:	3659	STATE	:	KANSAS
		COUNTY :	RANGE :		CLOCK :
			STAFFORD		12
			4000		

INTERVAL FROM	:	3825	TO	:	3855	TOTAL DEPTH	:	3855
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3825	SIZE	:	6.63			
PACKER DEPTH	:	3820	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	LOBO #1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	43
WEIGHT	:	9.4+	WATER LOSS (CC)	:	10.4
CHLORIDES (PPM)	:	5500			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:		REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	512	FT	I.D. inch	:	2.70
DRILL PIPE LENGTH	:	3291	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	30	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 FAIR TO STRONG
BLOW COMMENT #2	:	OFF BOTTOM OF BUCKET IN 15 MINUTES.
BLOW COMMENT #3	:	FINAL FLOW PERIOD FAIR TO STRONG
BLOW COMMENT #4	:	OFF BOTTOM OF BUCKET IN 20 MINUTES.

RECOVERED : 30 FT OF: MUD W/ FEW OIL SPOTS

Total Barrels Fluid = 0.21
Total Fluid Prod Rate = 2.55 BFPD
Indicated Wtr Rate = 0.25 BWPD

REMARK 1 :
REMARK 2 : 370 FT. GAS ABOVE FLUID
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 7:45 A.M.
WELL TEMPERATURE : 119

TIME STARTED OFF BOTTOM : 12:45 P.M.

INITIAL HYDROSTATIC PRESSURE		(A)	2011	
INITIAL FLOW PERIOD	MIN: 30	(B)	59	PSI TO (C) : 59
INITIAL CLOSED IN PERIOD	MIN: 60	(D)	156	
FINAL FLOW PERIOD	MIN: 90	(E)	62	PSI TO (F) : 62
FINAL CLOSED IN PERIOD	MIN: 117	(G)	194	
FINAL HYDROSTATIC PRESSURE		(H)	1986	

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : HONEY OIL COMPANY INC.
RIG : STAFFORD-KANSAS
FIELD : FARMER
WELL : #1
DATE : 6-24-90
GAUGE NO : 3659

OPERATIONAL COMMENTS

370 FT. GAS ABOVE FLUID

COMPANY : HONEY OIL COMPANY INC.
WELL : #1
GAUGE # : 3659
DATE : 24/ 6/90

FIELD : FARMER
JOB # : 16458
DEPTH : 3855
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	7:45: 0	0.000	59.000	119.00	0.000
3	7:49:59	0.083	59.000	119.00	0.000
4	7:55: 0	0.167	59.000	119.00	0.000
5	8: 0: 0	0.250	59.000	119.00	0.000
6	8: 4:59	0.333	59.000	119.00	0.000
7	8:10: 0	0.417	59.000	119.00	0.000
8	8:15: 0	0.500	59.000	119.00	0.000
INITIAL SHUT-IN PERIOD					
9	8:18: 0	0.550	59.000	119.00	0.000
10	8:21: 0	0.600	62.000	119.00	3.000
11	8:24: 0	0.650	68.000	119.00	6.000
12	8:27: 0	0.700	75.000	119.00	7.000
13	8:30: 0	0.750	79.000	119.00	4.000
14	8:33: 0	0.800	84.000	119.00	5.000
15	8:36: 0	0.850	89.000	119.00	5.000
16	8:39: 0	0.900	95.000	119.00	6.000
17	8:42: 0	0.950	100.000	119.00	5.000
18	8:45: 0	1.000	107.000	119.00	7.000
19	8:48: 0	1.050	112.000	119.00	5.000
20	8:51: 0	1.100	117.000	119.00	5.000
21	8:54: 0	1.150	122.000	119.00	5.000
22	8:57: 0	1.200	128.000	119.00	6.000
23	9: 0: 0	1.250	132.000	119.00	4.000
24	9: 3: 0	1.300	137.000	119.00	5.000
25	9: 6: 0	1.350	142.000	119.00	5.000
26	9: 9: 0	1.400	147.000	119.00	5.000
27	9:12: 0	1.450	152.000	119.00	5.000
28	9:15: 0	1.500	156.000	119.00	4.000
FINAL FLOW PERIOD					
29	9:16: 0	1.517	62.000	119.00	-94.000
30	9:19:59	1.583	62.000	119.00	0.000
31	9:25: 0	1.667	62.000	119.00	0.000
32	9:30: 0	1.750	62.000	119.00	0.000
33	9:34:59	1.833	62.000	119.00	0.000
34	9:40: 0	1.917	62.000	119.00	0.000
35	9:45: 0	2.000	62.000	119.00	0.000
36	9:49:59	2.083	62.000	119.00	0.000
37	9:55: 0	2.167	62.000	119.00	0.000
38	10: 0: 0	2.250	62.000	119.00	0.000
39	10: 4:59	2.333	62.000	119.00	0.000
40	10:10: 0	2.417	62.000	119.00	0.000
41	10:15: 0	2.500	62.000	119.00	0.000
42	10:19:59	2.583	62.000	119.00	0.000
43	10:25: 0	2.667	62.000	119.00	0.000
44	10:30: 0	2.750	62.000	119.00	0.000
45	10:34:59	2.833	62.000	119.00	0.000
46	10:40: 0	2.917	62.000	119.00	0.000
47	10:45: 0	3.000	62.000	119.00	0.000
FINAL SHUT-IN PERIOD					
48	10:48: 0	3.050	65.000	119.00	3.000

COMPANY : HONEY OIL COMPANY INC.
WELL : #1
GAUGE # : 3659
DATE : 24/ 6/90

FIELD : FARMER
JOB # : 16458
DEPTH : 3855
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	10:51: 0	3.100	68.000	119.00	3.000
50	10:54: 0	3.150	72.000	119.00	4.000
51	10:57: 0	3.200	74.000	119.00	2.000
52	11: 0: 0	3.250	76.000	119.00	2.000
53	11: 3: 0	3.300	81.000	119.00	5.000
54	11: 6: 0	3.350	85.000	119.00	4.000
55	11: 9: 0	3.400	89.000	119.00	4.000
56	11:12: 0	3.450	95.000	119.00	6.000
57	11:15: 0	3.500	98.000	119.00	3.000
58	11:18: 0	3.550	102.000	119.00	4.000
59	11:21: 0	3.600	105.000	119.00	3.000
60	11:24: 0	3.650	110.000	119.00	5.000
61	11:27: 0	3.700	112.000	119.00	2.000
62	11:30: 0	3.750	116.000	119.00	4.000
63	11:33: 0	3.800	120.000	119.00	4.000
64	11:36: 0	3.850	123.000	119.00	3.000
65	11:39: 0	3.900	127.000	119.00	4.000
66	11:42: 0	3.950	130.000	119.00	3.000
67	11:45: 0	4.000	135.000	119.00	5.000
68	11:48: 0	4.050	138.000	119.00	3.000
69	11:51: 0	4.100	142.000	119.00	4.000
70	11:54: 0	4.150	144.000	119.00	2.000
71	11:57: 0	4.200	148.000	119.00	4.000
72	12: 0: 0	4.250	151.000	119.00	3.000
73	12: 3: 0	4.300	154.000	119.00	3.000
74	12: 6: 0	4.350	158.000	119.00	4.000
75	12: 9: 0	4.400	160.000	119.00	2.000
76	12:12: 0	4.450	164.000	119.00	4.000
77	12:15: 0	4.500	167.000	119.00	3.000
78	12:18: 0	4.550	171.000	119.00	4.000
79	12:21: 0	4.600	173.000	119.00	2.000
80	12:24: 0	4.650	177.000	119.00	4.000
81	12:27: 0	4.700	180.000	119.00	3.000
82	12:30: 0	4.750	183.000	119.00	3.000
83	12:33: 0	4.800	186.000	119.00	3.000
84	12:36: 0	4.850	189.000	119.00	3.000
85	12:39: 0	4.900	191.000	119.00	2.000
86	12:42: 0	4.950	194.000	119.00	3.000

WESTERN TESTING CO. INC.



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 15997

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation

Formation

Miss

Eff. Pay Ft.

COMPANY NAME

Honey Oil Co Inc

ADDRESS

LEASE AND WELL NO.

Farmer #1

COUNTY

Stafford

STATE

Ks

Sec.

1

Twp.

25

Rge.

11W

Mail Invoice To

Same

Co. Name

FARMEE #1

Address

No. Copies Requested

5

Mail Charts To

Same

Address

No. Copies Requested

5

Formation Test No.

2

Interval Tested From

3805

ft. to

3925

ft. Total

Depth

3925

ft.

Packer Depth

3800

ft.

Size

6 7/8

in.

Packer Depth

-

ft.

Size

-

in.

Packer Depth

3805

ft.

Size

6 7/8

in.

Packer Depth

-

ft.

Size

-

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

3820

ft.

Recorder Number

13552

Cap.

4050

Bottom Recorder Depth (Outside)

3823

ft.

Recorder Number

13361

Cap.

4250

Below Straddle Recorder Depth

-

ft.

Recorder Number

-

Cap.

-

Drilling Contractor

Lobo Rig #1

Drill Collar Length

-

I. D.

-

in.

Mud Type

Low Solids

Viscosity

69

Weight Pipe Length

390

I. D.

2.7

in.

Weight

9.6

Water Loss

14.4

cc.

Drill Pipe Length

3394

I. D.

3.8

in.

Chlorides

P500

P.P.M.

Test Tool Length

21

ft.

Tool Size

5 1/2 200

in.

Jars: Make

Serial Number

-

Anchor Length

120

ft.

Size

5 1/2 200

in.

Did Well Flow?

Yes

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:

Strong throughout flow periods
Gas to surface immediately on second flow

Recovered

180

ft. of

Sl. Oil & Gas Cut Mud (570 oil) (5070 Gas)

Recovered

240

ft. of

Sl. Oil & Gas Cut Muddy Water (570 oil) (1070 Gas)

Recovered

2640

ft. of

Gassy Salt Water

Recovered

ft. of

Recovered

ft. of

Chlorides

105,000

P.P.M. Sample Jars used

Remarks:

21 0

2740 to 6

Time On Location

10:30

A.M.

Time Pick Up Tool

2:00

A.M.

Time Off Location

2:00

A.M.

Time Set Packer(s)

3:10

A.M.

Time Started Off Bottom

8:10

A.M.

Maximum Temperature

116°

P.M.

Initial Hydrostatic Pressure

(A)

2024

P.S.I.

Initial Flow Period

Minutes

30

(B)

831

P.S.I. to (C)

1368

P.S.I.

Initial Closed In Period

Minutes

60

(D)

1368

P.S.I.

Final Flow Period

Minutes

90

(E)

1368

P.S.I. to (F)

1368

P.S.I.

Final Closed In Period

Minutes

120

(G)

1368

P.S.I.

Final Hydrostatic Pressure

(H)

2004

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 of Customer or his authorized representative

Western Representative

Jim Wanku Thank You

2376

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

\$



GAS FLOW REPORT

No 5011

Date 6/25/90 Ticket 15997 Company Honey Oil
 Well Name and No. Farmer #1 Dst No. 2 Interval Tested 3805-3925
 County Stafford State Ks Sec. 1 Twp. 25 Rg. 11

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

SECOND FLOW

Gas to surface immediately					
10	5 H ₂ O	1/4"			3,710
20	"				"
30	4 "				3,370
40	"				"
50	3 "				2,720
60	"				"
70	"				"
80	2 "				2,370
90	"				"

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 6-25-50 Recorder No. 13552 Capacity 4050 Test Ticket No. 15997
 Clock No. _____ Elevation _____ Well Temperature 116 °F
 Location _____ Ft.

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2022</u> P.S.I.		<u>2:10 P</u>	M
B First Initial Flow Pressure	<u>846</u> P.S.I.	First Flow Pressure	<u>20</u> Mins.	<u>20</u> Mins.
C First Final Flow Pressure	<u>1321</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1368</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>1369</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>111</u> Mins.
F Second Final Flow Pressure	<u>1374</u> P.S.I.			
G Final Closed-in Pressure	<u>1374</u> P.S.I.			
H Final Hydrostatic Mud	<u>1958</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 0	<u>846</u>	0	<u>1321</u>	0	<u>1369</u>	0	<u>1374</u>
P 2 5	<u>882</u>	3	<u>1348</u>	5	<u>1370</u>	3	
P 3 10	<u>1013</u>	6	<u>1356</u>	10	<u>1371</u>	6	
P 4 15	<u>1133</u>	9	<u>1358</u>	15	<u>1372</u>	9	
P 5 20	<u>1216</u>	12	<u>1360</u>	20		12	
P 6 25	<u>1283</u>	15	<u>1361</u>	25		15	
P 7 30	<u>1321</u>	18	<u>1362</u>	30	<u>1372</u>	18	
P 8 35		21	<u>1363</u>	35		21	
P 9 40		24	<u>1364</u>	40		24	
P 10 45		27	<u>1365</u>	45	<u>1372</u>	27	
P 11 50		30	<u>1366</u>	50		30	
P 12 55		33	<u>1367</u>	55		33	
P 13 60		36	<u>1368</u>	60	<u>1372</u>	36	
P 14 65		39		65		39	
P 15 70		42		70		42	
P 16 75		45	<u>1368</u>	75	<u>1372</u>	45	
P 17 80		48		80	<u>1372</u>	48	
P 18 85		51		85	<u>1373</u>	51	
P 19 90		54		90	<u>1374</u>	54	
P 20 95		57		95		57	
100		60	<u>1368</u>	100		60	<u>1374</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. _____
 Recorder No. _____ Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

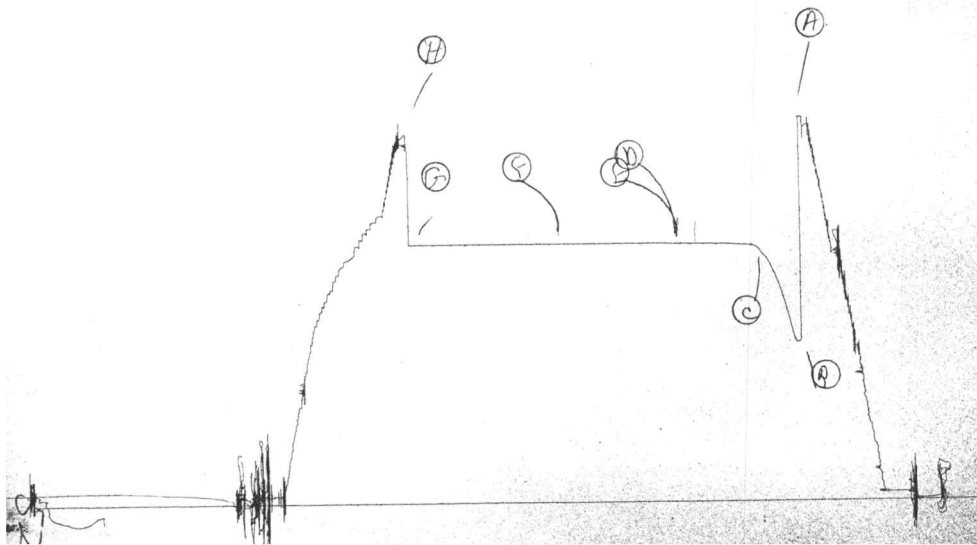
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool _____	M	
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure _____	Mins.	Mins.
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure _____	Mins.	Mins.
D Initial Closed-in Pressure _____	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 Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Initial Shut-In Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Second Flow Pressure Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Final Shut-In Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	1374
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		103	
P17 185		111		185		111	1374
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

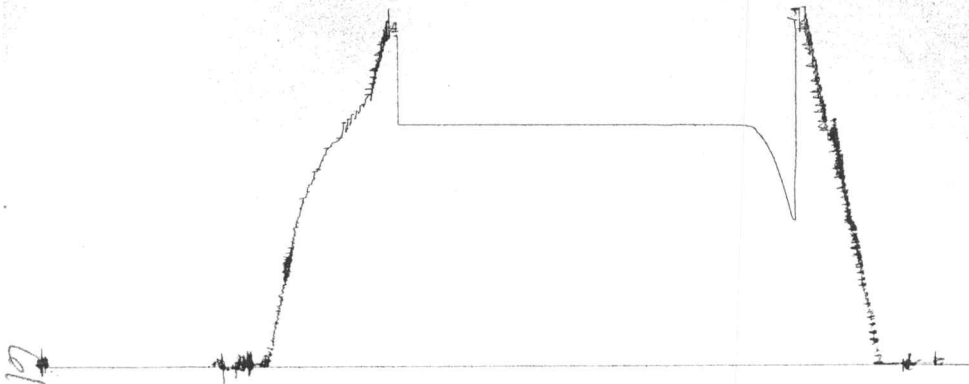
KT 15997

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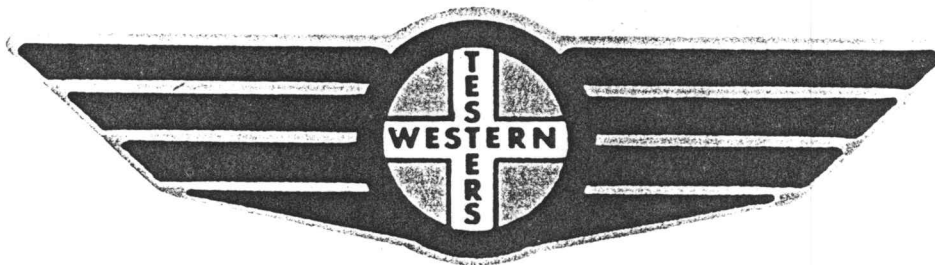


KA 15997

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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	:	6/25/90	TICKET	:	15997
CUSTOMER	:	HONEY OIL COMPANY INC.	LEASE	:	FARMER
WELL	:	1	TEST:	:	2
ELEVATION	:		GEOLOGIST	:	
SECTION	:	1	FORMATION	:	MISSISSIPPI
RANGE	:	11W	TOWNSHIP	:	25S
GAUGE SN#	:	13552	STATE	:	KANSAS
		COUNTY :	RANGE :		CLOCK :
			4050		12

INTERVAL FROM	:	3805	TO	:	3925	TOTAL DEPTH	:	3925
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3800	SIZE	:	6.63			
PACKER DEPTH	:	3805	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	LOBO RIG 1			
MUD TYPE	:	LOW SOLIDS	VISCOSITY	:	69
WEIGHT	:	9.6	WATER LOSS (CC)	:	14.4
CHLORIDES (PPM)	:	8500			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	YES	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	390	FT	I.D. inch	:	2.70
DRILL PIPE LENGTH	:	3394	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	21	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	120	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5FH

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT TEST.
BLOW COMMENT #2 : GAS TO SURFACE IMMEDIATELY ON
BLOW COMMENT #3 : SECOND FLOW. SEE GAS SHEET
BLOW COMMENT #4 : ATTACHED.

RECOVERED : 180 FT OF: SLIGHTLY OIL & GAS CUT MUD
RECOVERED : 0 FT OF: 5% OIL; 50% MUD
RECOVERED : 240 FT OF: SLIGHTLY OIL & GAS CUT MUDDY WTR
RECOVERED : 0 FT OF: 5% OIL; 10% GAS
RECOVERED : 2640 FT OF: GASSY SALTWATER
RECOVERED : 0 FT OF: CHLORIDES 105000 PPM

Total Barrels Fluid = 40.21
Total Fluid Prod Rate = 482.54 BFPD
Indicated Oil Rate = 3.31 BOPD
Indicated Wtr Rate = 435.33 BWPD
Corrected Oil Rate = 222.19 BOPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 3:10 PM

TIME STARTED OFF BOTTOM : 8:10 PM

WELL TEMPERATURE : 116

INITIAL HYDROSTATIC PRESSURE

(A) 2022

INITIAL FLOW PERIOD MIN: 30

(B) 846

PSI TO (C) : 1321

INITIAL CLOSED IN PERIOD MIN: 60

(D) 1368

FINAL FLOW PERIOD MIN: 90

(E) 1369

PSI TO (F) : 1374

FINAL CLOSED IN PERIOD MIN: 111

(G) 1374

FINAL HYDROSTATIC PRESSURE

(H) 1953

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : HONEY OIL COMPANY INC.
RIG : STAFFORD-KANSAS
FIELD : FARMER
WELL : 1
DATE : 6/25/90
GAUGE NO : 13552

OPERATIONAL COMMENTS

COMPANY : HONEY OIL COMPANY INC.
WELL : 1
GAUGE # : 13552
DATE : 25/ 6/90

FIELD : FARMER
JOB # : 15997
DEPTH : 3925
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	3:10: 0	0.000	846.000	116.00	0.000
3	3:14:59	0.083	882.000	116.00	36.000
4	3:20: 0	0.167	1013.000	116.00	131.000
5	3:25: 0	0.250	1133.000	116.00	120.000
6	3:29:59	0.333	1216.000	116.00	83.000
7	3:35: 0	0.417	1283.000	116.00	67.000
8	3:40: 0	0.500	1321.000	116.00	38.000
INITIAL SHUT-IN PERIOD					
9	3:43: 0	0.550	1348.000	116.00	27.000
10	3:46: 0	0.600	1356.000	116.00	8.000
11	3:49: 0	0.650	1358.000	116.00	2.000
12	3:52: 0	0.700	1360.000	116.00	2.000
13	3:55: 0	0.750	1361.000	116.00	1.000
14	3:58: 0	0.800	1362.000	116.00	1.000
15	4: 1: 0	0.850	1363.000	116.00	1.000
16	4: 4: 0	0.900	1364.000	116.00	1.000
17	4: 7: 0	0.950	1365.000	116.00	1.000
18	4:10: 0	1.000	1366.000	116.00	1.000
19	4:13: 0	1.050	1367.000	116.00	1.000
20	4:16: 0	1.100	1368.000	116.00	1.000
21	4:19: 0	1.150	1368.000	116.00	0.000
22	4:22: 0	1.200	1368.000	116.00	0.000
23	4:25: 0	1.250	1368.000	116.00	0.000
24	4:28: 0	1.300	1368.000	116.00	0.000
25	4:31: 0	1.350	1368.000	116.00	0.000
26	4:34: 0	1.400	1368.000	116.00	0.000
27	4:37: 0	1.450	1368.000	116.00	0.000
28	4:40: 0	1.500	1368.000	116.00	0.000
FINAL FLOW PERIOD					
29	4:41: 0	1.517	1369.000	116.00	1.000
30	4:44:59	1.583	1370.000	116.00	1.000
31	4:50: 0	1.667	1371.000	116.00	1.000
32	4:55: 0	1.750	1372.000	116.00	1.000
33	4:59:59	1.833	1372.000	116.00	0.000
34	5: 5: 0	1.917	1372.000	116.00	0.000
35	5:10: 0	2.000	1372.000	116.00	0.000
36	5:14:59	2.083	1372.000	116.00	0.000
37	5:20: 0	2.167	1372.000	116.00	0.000
38	5:25: 0	2.250	1372.000	116.00	0.000
39	5:29:59	2.333	1372.000	116.00	0.000
40	5:35: 0	2.417	1372.000	116.00	0.000
41	5:40: 0	2.500	1372.000	116.00	0.000
42	5:44:59	2.583	1372.000	116.00	0.000
43	5:50: 0	2.667	1372.000	116.00	0.000
44	5:55: 0	2.750	1372.000	116.00	0.000
45	5:59:59	2.833	1372.000	116.00	0.000
46	6: 5: 0	2.917	1373.000	116.00	1.000
47	6:10: 0	3.000	1374.000	116.00	1.000
FINAL SHUT-IN PERIOD					
48	6:13: 0	3.050	1374.000	116.00	0.000

COMPANY : HONEY OIL COMPANY INC.
WELL : 1
GAUGE # : 13552
DATE : 25/ 6/90

FIELD : FARMER
JOB # : 15997
DEPTH : 3925
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	6:16: 0	3.100	1374.000	116.00	0.000
50	6:19: 0	3.150	1374.000	116.00	0.000
51	6:22: 0	3.200	1374.000	116.00	0.000
52	6:25: 0	3.250	1374.000	116.00	0.000
53	6:28: 0	3.300	1374.000	116.00	0.000
54	6:31: 0	3.350	1374.000	116.00	0.000
55	6:34: 0	3.400	1374.000	116.00	0.000
56	6:37: 0	3.450	1374.000	116.00	0.000
57	6:40: 0	3.500	1374.000	116.00	0.000
58	6:43: 0	3.550	1374.000	116.00	0.000
59	6:46: 0	3.600	1374.000	116.00	0.000
60	6:49: 0	3.650	1374.000	116.00	0.000
61	6:52: 0	3.700	1374.000	116.00	0.000
62	6:55: 0	3.750	1374.000	116.00	0.000
63	6:58: 0	3.800	1374.000	116.00	0.000
64	7: 1: 0	3.850	1374.000	116.00	0.000
65	7: 4: 0	3.900	1374.000	116.00	0.000
66	7: 7: 0	3.950	1374.000	116.00	0.000
67	7:10: 0	4.000	1374.000	116.00	0.000
68	7:13: 0	4.050	1374.000	116.00	0.000
69	7:16: 0	4.100	1374.000	116.00	0.000
70	7:19: 0	4.150	1374.000	116.00	0.000
71	7:22: 0	4.200	1374.000	116.00	0.000
72	7:25: 0	4.250	1374.000	116.00	0.000
73	7:28: 0	4.300	1374.000	116.00	0.000
74	7:31: 0	4.350	1374.000	116.00	0.000
75	7:34: 0	4.400	1374.000	116.00	0.000
76	7:37: 0	4.450	1374.000	116.00	0.000
77	7:40: 0	4.500	1374.000	116.00	0.000
78	7:43: 0	4.550	1374.000	116.00	0.000
79	7:46: 0	4.600	1374.000	116.00	0.000
80	7:49: 0	4.650	1374.000	116.00	0.000
81	7:52: 0	4.700	1374.000	116.00	0.000
82	7:55: 0	4.750	1374.000	116.00	0.000
83	7:58: 0	4.800	1374.000	116.00	0.000
84	8: 1: 0	4.850	1374.000	116.00	0.000

WESTERN TESTING CO. INC.

GAS FLOW REPORT

Date : 6/25/90 Ticket # : 15997
 Customer : HONEY OIL COMPANY INC Lease : FARMER
 Well : 1 Test : 2 Geologist :
 Elevation (KB) : Formation : MISSISSIPPI
 Section : 1 Township : 25S
 Range : 11W County : STAFFORD State : KANSAS
 Gauge SN # : 13552 Range : 4050 Clock : 12

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

PRE FLOW
 =====

SECOND FLOW
 =====

GAS TO SURFACE IMMED.

10 MIN	MERLA	1/4"	5'WTR	3710 CFPD
20 MIN	MERLA	1/4"	5'WTR	3710 CFPD
30 MIN	MERLA	1/4"	4'WTR	3370 CFPD
40 MIN	MERLA	1/4"	4'WTR	3370 CFPD
50 MIN	MERLA	1/4"	3'WTR	2720 CFPD
60 MIN	MERLA	1/4"	3'WTR	2720 CFPD
70 MIN	MERLA	1/4"	3'WTR	2720 CFPD
80 MIN	MERLA	1/4"	2'WTR	2370 CFPD
90 MIN	MERLA	1/4"	2'WTR	2370 CFPD

Gas Bottle SN # :
 Date Bottle Filled :
 Date to be Invoiced : 6/25/90



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 15998

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

Elevation _____ Formation Miss Eff. Pay _____ Ft.

COMPANY NAME

ADDRESS

LEASE AND WELL NO. Farmer #1 COUNTY Stafford STATE Ks Sec. 1 Twp. 25S Rge. 11W

Mail Invoice To Same Co. Name FARMER #1 Address _____ No. Copies Requested 5

Mail Charts To Same Address _____ No. Copies Requested 5

Formation Test No. 3 Interval Tested From 3804 ft. to 3845 ft. Total Depth 3925 ft.
Packer Depth 3799 ft. Size 6 5/8 in. Packer Depth 3845 ft. Size 6 5/8 in.
Packer Depth 3804 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3825 ft. Recorder Number 13552 Cap. 4050
Bottom Recorder Depth (Outside) 3828 ft. Recorder Number 13361 Cap. 4250
Below Straddle Recorder Depth 3890 ft. Recorder Number _____ Cap. _____

Drilling Contractor Lobo Rig #1 Drill Collar Length _____ I. D. _____ in.
Mud Type Low Solids Viscosity 43 Weight Pipe Length 390 I. D. 2.7 in.
Weight 8.9 Water Loss 40.0 cc. Drill Pipe Length 3393 I. D. 3.1 in.
Chlorides 27,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make _____ Serial Number _____ Anchor Length 42 (80 T.P.) Size 5 1/2 OD in.
Did Well Flow? Yes 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: Strong blow throughout flow periods
Gas to surface in 20 min on pre flow

Recovered 300 ft. of Gas Cut Muddy Water (Specks of foil)
Recovered 2680 ft. of Sassy Salt Water
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Chlorides 105,000 P.P.M. Sample Jars used _____ Remarks: _____

Bottom Packer didn't hold - due to only 2830 lb

Time On Location _____ A.M. _____ P.M.	Time Pick Up Tool <u>12:30</u> A.M. _____ P.M.	Time Off Location _____ A.M. _____ P.M.
Time Set Packer(s) <u>1:50</u> A.M. _____ P.M.	Time Started Off Bottom <u>6:50</u> A.M. _____ P.M.	Maximum Temperature <u>116.2</u>
Initial Hydrostatic Pressure _____ (A) <u>2004</u> P.S.I.	Initial Flow Period _____ Minutes <u>30</u> (B) <u>670</u> P.S.I. to (C) <u>1186</u> P.S.I.	Initial Closed In Period _____ Minutes <u>60</u> (D) <u>1348</u> P.S.I.
Final Flow Period _____ Minutes <u>90</u> (E) <u>1186</u> P.S.I. to (F) <u>1348</u> P.S.I.	Final Closed In Period _____ Minutes <u>120</u> (G) <u>1348</u> P.S.I.	Final Hydrostatic Pressure _____ (H) <u>1983</u> 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 of Customer or his authorized representative

Western Representative Jim Wandra Thank You

2376

FIELD INVOICE

Open Hole Test	\$ <u>400</u>
Misrun	\$ _____
Straddle Test	\$ <u>150.00</u>
Jars	\$ _____
Selective Zone	\$ _____
Safety Joint	\$ _____
Standby	\$ _____
Evaluation	\$ _____
Extra Packer	\$ _____
Circ. Sub.	\$ _____
Mileage	\$ _____
Fluid Sampler	\$ _____
Extra Charts	\$ _____
Insurance	\$ _____
Telecopier	\$ _____
TOTAL	\$ _____



GAS FLOW REPORT

Nº 5012

Date 6/26/90 Ticket 15998 Company Honey Oil Co
 Well Name and No. Farmer #1 Dst No. 3 Interval Tested 3804-3845
 County Stafford State Ks Sec. 1 Twp. 25 Rg. 11

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					
30	18H ₂ O	1/4"	Gas to surface in 20 min		
			7,120 C.F.P.D		

SECOND FLOW					
10	15 H ₂ O	1/4"			6,550 C.F.P.D
20	7 "	"			4,450 "
30	1 "	"			1,680 "
40					
50					
60					
70					
80					
90					
	</				

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 6-26-70 Recorder No. 13552 Capacity 4050 Test Ticket No. 15998
 Clock No. _____ Elevation _____ Location _____ Ft. _____
 Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2010</u> P.S.I.	Open Tool	<u>1:50A</u> M	
B First Initial Flow Pressure	<u>680</u> P.S.I.	First Flow Pressure	<u>50</u> Mins.	<u>50</u> Mins.
C First Final Flow Pressure	<u>1192</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1350</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>1195</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>117</u> Mins.
F Second Final Flow Pressure	<u>1359</u> P.S.I.			
G Final Closed-in Pressure	<u>1360</u> P.S.I.			
H Final Hydrostatic Mud	<u>1944</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 0	<u>680</u>	0	<u>1192</u>	0	<u>1195</u>	0	<u>1359</u>
P 2 5	<u>720</u>	3	<u>1330</u>	5	<u>1195</u>	3	
P 3 10	<u>913</u>	6	<u>1342</u>	10	<u>1246</u>	6	
P 4 15	<u>954</u>	9	<u>1346</u>	15	<u>1289</u>	9	
P 5 20	<u>1027</u>	12	<u>1348</u>	20	<u>1320</u>	12	
P 6 25	<u>1077</u>	15	<u>1350</u>	25	<u>1340</u>	15	<u>1359</u>
P 7 30	<u>1192</u>	18	<u>1352</u>	30	<u>1349</u>	18	
P 8 35		21		35	<u>1352</u>	21	
P 9 40		24		40	<u>1354</u>	24	
P10 45		27		45	<u>1355</u>	27	
P11 50		30	<u>1352</u>	50		30	<u>1359</u>
P12 55		33		55		33	<u>1359</u>
P13 60		36		60	<u>1355</u>	36	<u>1360</u>
P14 65		39		65		39	
P15 70		42		70		42	
P16 75		45	1355	75	<u>1355</u>	45	<u>1360</u>
P17 80		48		80	<u>1356</u>	48	
P18 85		51		85	<u>1357</u>	51	
P19 90		54		90	<u>1359</u>	54	
P20 95		57		95		57	
100		60	<u>1352</u>	100		60	<u>1360</u>

WESTERN TESTING CO., INC.

Pressure Data

Date: _____

Test Ticket No. 15998

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

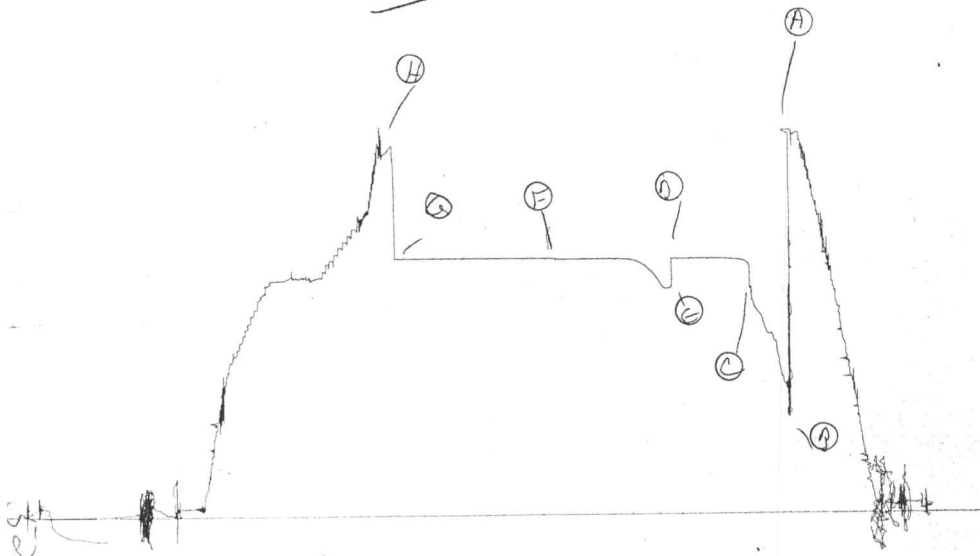
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool	_____ M	
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure _____	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	360
P 2 110		66		110		66	
P 3 115		69		115		69	
P 4 120		72		120		72	
P 5 125		75		125		75	360
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	360
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	360
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	360
P20 200		120		200		120	

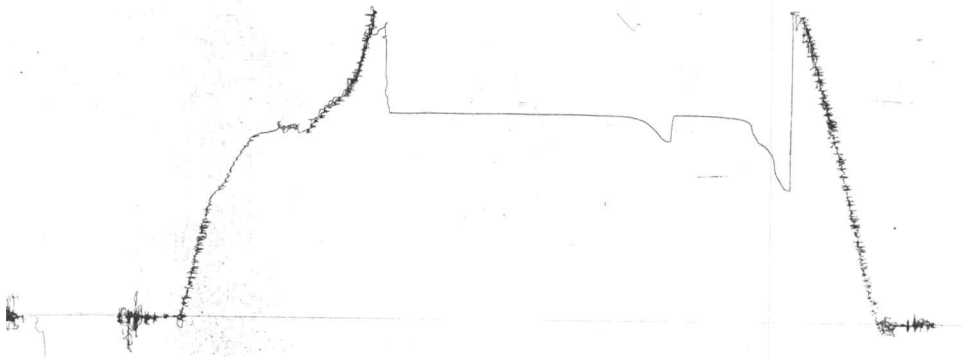
KT 15998

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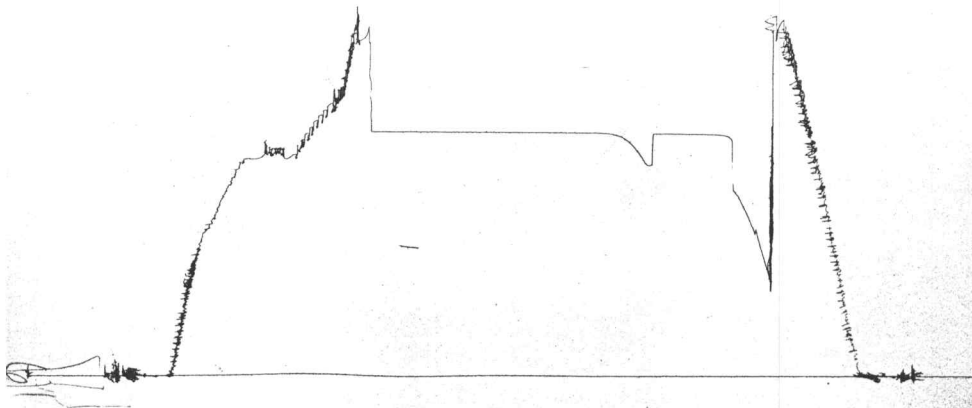
K. 15998

Below Straddle

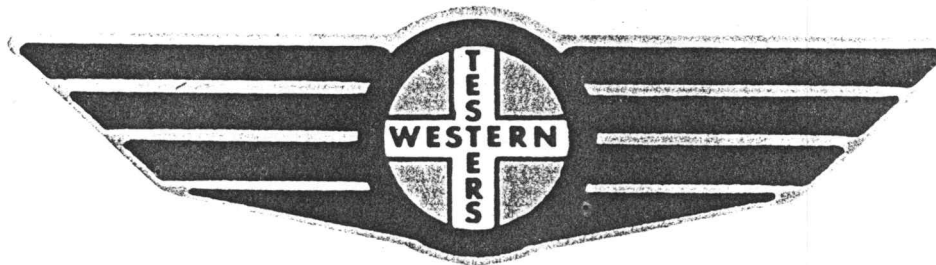


KT 15498

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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	:	6/26/90	TICKET	:	15998
CUSTOMER	:	HONEY OIL COMPANY INC	LEASE	:	FARMER
WELL	:	1	TEST:	:	3
ELEVATION	:		GEOLOGIST	:	
SECTION	:	1	FORMATION	:	MISSISSIPPI
RANGE	:	11W	TOWNSHIP	:	25S
GAUGE SN#	:	13552	STATE	:	KANSAS
		COUNTY :	CLOCK	:	12
		RANGE :			
		4050			

INTERVAL FROM	:	3804	TO	:	3845	TOTAL DEPTH	:	3925
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3799	SIZE	:	6.63			
PACKER DEPTH	:	3804	SIZE	:	6.63			
PACKER DEPTH	:	3845	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	LOBO RIG 1			
MUD TYPE	:	LOW SOLIDS	VISCOSITY	:	43
WEIGHT	:	8.9	WATER LOSS (CC)	:	40.
CHLORIDES (PPM)	:	27000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	YES	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	390	FT	I.D. inch	:	2.70
DRILL PIPE LENGTH	:	3393	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	21	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	41	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5FH

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT TEST.
BLOW COMMENT #2 : GAS TO SURFACE IN 20 MINUTES ON
BLOW COMMENT #3 : PREFLOW. SEE GAS SHEET ATTACHED.
BLOW COMMENT #4 :

RECOVERED : 300 FT OF: GAS CUT MUDDY WATER
RECOVERED : 0 FT OF: (SPECKS OF OIL)
RECOVERED : 2680 FT OF: GASSY SALTWATER
RECOVERED : 0 FT OF: CHLORIDES 105000 PPM

Total Barrels Fluid = 39.09
Total Fluid Prod Rate = 469.08 BFPD
Indicated Wtr Rate = 445.47 BWPD

REMARK 1 :
REMARK 2 : 80 FT OF TAILPIPE IN ANCHOR
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 1:50 AM
WELL TEMPERATURE : 116
INITIAL HYDROSTATIC PRESSURE (A) 2010
INITIAL FLOW PERIOD MIN: 30 (B) 683 PSI TO (C) : 1192
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1352
FINAL FLOW PERIOD MIN: 90 (E) 1195 PSI TO (F) : 1359
FINAL CLOSED IN PERIOD MIN: 117 (G) 1360
FINAL HYDROSTATIC PRESSURE (H) 1944

TIME STARTED OFF BOTTOM : 6:50 AM

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : HONEY OIL COMPANY INC
RIG : STAFFORD-KANSAS
FIELD : FARMER
WELL : 1
DATE : 6/26/90
GAUGE NO : 13552

OPERATIONAL COMMENTS

80 FT OF TAILPIPE IN ANCHOR

COMPANY : HONEY OIL COMPANY INC
WELL : 1
GAUGE # : 13552
DATE : 26/ 6/90

FIELD : FARMER
JOB # : 15998
DEPTH : 3925
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	1:50: 0	0.000	683.000	116.00	0.000
3	1:54:59	0.083	726.000	116.00	43.000
4	2: 0: 0	0.167	913.000	116.00	187.000
5	2: 5: 0	0.250	954.000	116.00	41.000
6	2: 9:59	0.333	1027.000	116.00	73.000
7	2:15: 0	0.417	1077.000	116.00	50.000
8	2:20: 0	0.500	1192.000	116.00	115.000
INITIAL SHUT-IN PERIOD					
9	2:23: 0	0.550	1330.000	116.00	138.000
10	2:26: 0	0.600	1342.000	116.00	12.000
11	2:29: 0	0.650	1346.000	116.00	4.000
12	2:32: 0	0.700	1348.000	116.00	2.000
13	2:35: 0	0.750	1350.000	116.00	2.000
14	2:38: 0	0.800	1352.000	116.00	2.000
15	2:41: 0	0.850	1352.000	116.00	0.000
16	2:44: 0	0.900	1352.000	116.00	0.000
17	2:47: 0	0.950	1352.000	116.00	0.000
18	2:50: 0	1.000	1352.000	116.00	0.000
19	2:53: 0	1.050	1352.000	116.00	0.000
20	2:56: 0	1.100	1352.000	116.00	0.000
21	2:59: 0	1.150	1352.000	116.00	0.000
22	3: 2: 0	1.200	1352.000	116.00	0.000
23	3: 5: 0	1.250	1352.000	116.00	0.000
24	3: 8: 0	1.300	1352.000	116.00	0.000
25	3:11: 0	1.350	1352.000	116.00	0.000
26	3:14: 0	1.400	1352.000	116.00	0.000
27	3:17: 0	1.450	1352.000	116.00	0.000
28	3:20: 0	1.500	1352.000	116.00	0.000
FINAL FLOW PERIOD					
29	3:21: 0	1.517	1195.000	116.00	-157.000
30	3:24:59	1.583	1195.000	116.00	0.000
31	3:30: 0	1.667	1246.000	116.00	51.000
32	3:35: 0	1.750	1289.000	116.00	43.000
33	3:39:59	1.833	1320.000	116.00	31.000
34	3:45: 0	1.917	1340.000	116.00	20.000
35	3:50: 0	2.000	1349.000	116.00	9.000
36	3:54:59	2.083	1353.000	116.00	4.000
37	4: 0: 0	2.167	1354.000	116.00	1.000
38	4: 5: 0	2.250	1355.000	116.00	1.000
39	4: 9:59	2.333	1355.000	116.00	0.000
40	4:15: 0	2.417	1355.000	116.00	0.000
41	4:20: 0	2.500	1355.000	116.00	0.000
42	4:24:59	2.583	1355.000	116.00	0.000
43	4:30: 0	2.667	1355.000	116.00	0.000
44	4:35: 0	2.750	1355.000	116.00	0.000
45	4:39:59	2.833	1356.000	116.00	1.000
46	4:45: 0	2.917	1357.000	116.00	1.000
47	4:50: 0	3.000	1359.000	116.00	2.000
FINAL SHUT-IN PERIOD					
48	4:53: 0	3.050	1359.000	116.00	0.000

COMPANY : HONEY OIL COMPANY INC
WELL : 1
GAUGE # : 13552
DATE : 26/ 6/90

FIELD : FARMER
JOB # : 15998
DEPTH : 3925
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	4:56: 0	3.100	1359.000	116.00	0.000
50	4:59: 0	3.150	1359.000	116.00	0.000
51	5: 2: 0	3.200	1359.000	116.00	0.000
52	5: 5: 0	3.250	1359.000	116.00	0.000
53	5: 8: 0	3.300	1359.000	116.00	0.000
54	5:11: 0	3.350	1359.000	116.00	0.000
55	5:14: 0	3.400	1359.000	116.00	0.000
56	5:17: 0	3.450	1359.000	116.00	0.000
57	5:20: 0	3.500	1359.000	116.00	0.000
58	5:23: 0	3.550	1359.000	116.00	0.000
59	5:26: 0	3.600	1360.000	116.00	1.000
60	5:29: 0	3.650	1360.000	116.00	0.000
61	5:32: 0	3.700	1360.000	116.00	0.000
62	5:35: 0	3.750	1360.000	116.00	0.000
63	5:38: 0	3.800	1360.000	116.00	0.000
64	5:41: 0	3.850	1360.000	116.00	0.000
65	5:44: 0	3.900	1360.000	116.00	0.000
66	5:47: 0	3.950	1360.000	116.00	0.000
67	5:50: 0	4.000	1360.000	116.00	0.000
68	5:53: 0	4.050	1360.000	116.00	0.000
69	5:56: 0	4.100	1360.000	116.00	0.000
70	5:59: 0	4.150	1360.000	116.00	0.000
71	6: 2: 0	4.200	1360.000	116.00	0.000
72	6: 5: 0	4.250	1360.000	116.00	0.000
73	6: 8: 0	4.300	1360.000	116.00	0.000
74	6:11: 0	4.350	1360.000	116.00	0.000
75	6:14: 0	4.400	1360.000	116.00	0.000
76	6:17: 0	4.450	1360.000	116.00	0.000
77	6:20: 0	4.500	1360.000	116.00	0.000
78	6:23: 0	4.550	1360.000	116.00	0.000
79	6:26: 0	4.600	1360.000	116.00	0.000
80	6:29: 0	4.650	1360.000	116.00	0.000
81	6:32: 0	4.700	1360.000	116.00	0.000
82	6:35: 0	4.750	1360.000	116.00	0.000
83	6:38: 0	4.800	1360.000	116.00	0.000
84	6:41: 0	4.850	1360.000	116.00	0.000
85	6:44: 0	4.900	1360.000	116.00	0.000
86	6:47: 0	4.950	1360.000	116.00	0.000

WESTERN TESTING CO. INC.

GAS FLOW REPORT

Date : 6/26/90 Ticket # : 15998
 Customer : HONEY OIL COMPANY INC Lease : FARMER
 Well : 1 Test : 3 Geologist :
 Elevation (KB) : Formation : MISSISSIPPI
 Section : 1 Township : 25S
 Range : 11W County : STAFFORD State : KANSAS
 Gauge SN # : 13552 Range : 4050 Clock : 12

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

20 MIN	MERLA	1/4"		GAS TO SURFACE
30 MIN	MERLA	1/4"	18"WTR	7120 CFPD

SECOND FLOW =====

10 MIN	MERLA	1/4"	15"WTR	6550 CFPD
20 MIN	MERLA	1/4"	7"WTR	4450 CFPD
30 MIN	MERLA	1/4"	1"WTR	1680 CFPD
40 MIN	MERLA			TOO SMALL TO MEASURE
50 MIN	MERLA			TOO SMALL TO MEASURE
60 MIN	MERLA			TOO SMALL TO MEASURE
70 MIN	MERLA			TOO SMALL TO MEASURE
80 MIN	MERLA			TOO SMALL TO MEASURE
90 MIN	MERLA			TOO SMALL TO MEASURE

Gas Bottle SN # :
 Date Bottle Filled :
 Date to be Invoiced : 6/26/90