



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 1647

P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Elevation

Formation

MISS

Eff. Pay Ft.

District

Pratt

Date

5/21/79

Customer Order No.

COMPANY NAME

McCoy Pet. Corp. Main Place Suite 410

ADDRESS

816 Vickers NSB+T Bldg Wichita, KS 67202

LEASE AND WELL NO

William #1-E COUNTY Harper

STATE KS

Sec 22 Twp 31 Rge 8

Mail Invoice To

Same

Co. Name

Address

No. Copies Requested

5

Mail Charts To

Same

Address

No. Copies Requested

5

Formation Test No

1

Interval Tested from

4430

ft. to

4442

ft.

Total Depth

4442

ft.

Packer Depth

4425

ft.

Size

6 3/4

in.

Packer Depth

=

ft.

Size

=

in.

Packer Depth

4430

ft.

Size

6 3/4

in.

Packer Depth

=

ft.

Size

=

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

4433

ft.

Recorder Number

2607

Cap

4150

Bottom Recorder Depth (Outside)

4436

ft.

Recorder Number

3351

Cap

4000

Below Straddle Recorder Depth

=

ft.

Recorder Number

=

Cap

=

Drilling Contractor

Sweetman Drig Rig #1

Drill Collar Length

275

I. D.

2 1/2

in.

Mud Type

Starch

Viscosity

Weight Pipe Length

=

I. D.

=

in.

Weight

Water Loss

cc.

Drill Pipe Length

4134

I. D.

3.8

in.

Chlorides

P.P.M.

Test Tool Length

21 ft

in.

Tool Size

5 1/2 OD

in.

Jars: Make

Serial Number

Anchor Length

12

ft.

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 1/8

in.

Tool Joint Size

4 1/2 FH

in.

Blow: Strong blow throughout flow periods
Gas to surface in 15 min on pre flow

Recovered 210 ft. of Heavy Oil Cut Mud

Recovered 30 ft. of Muddy Water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s)

9:50

P.M.

Time Started Off Bottom

1:05

A.M.

Maximum Temperature

125.2

Initial Hydrostatic Pressure

(A)

2225

P.S.I.

Initial Flow Period

Minutes

30

(B)

9.5

P.S.I. to (C)

84

P.S.I.

Initial Closed In Period

Minutes

45

(D)

1501

P.S.I.

Final Flow Period

Minutes

48

(E)

9.5

P.S.I. to (F)

105

P.S.I.

Final Closed In Period

Minutes

60

(G)

1500

P.S.I.

Final Hydrostatic Pressure

(H)

2204

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

H. Deane Jirrel

Signature of Customer or his authorized representative

Western Representative

Jim Woods Thank You

FIELD INVOICE

Open Hole Test

\$ 460.00

Misrun

\$

Straddle Test

\$

Jars

\$

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

\$

Mileage

\$

Extra Charts

\$

TOTAL

\$ 460.00



GAS FLOW REPORT

N^o 1366

Date 5/21/79 Ticket #1647 Company McCoy Pet. Co
 Well Name and No. William #1-E Dst No. 1 Interval Tested 4430-4442
 County Harper State Ks Sec. 22 Twp. 31 Rg. 8

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					
20min	17 H ₂ O	3/4"			58,500 C.F.P.D.
25min	15 "	3/4"			55,200 " " "
30min	15 "	3/4"			55,200 " " "

SECOND FLOW

5min	30 H ₂ O	3/4"			77,800 C.F.P.D.
10min	14 "	"			53,300 " " "
15min	12 "	"			49,300 " " "
20min	" "	"			
25min					
30min					
35min					
40min					
45min					
50min					
55min					
60min					

Stabilized through rest of opening

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% per month, equal to 12% 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 _____

Phone 316 838-0601

P. O. Box 1599
WICHITA, KANSAS 67201**GAS FLOW REPORT****Nº 1366**Date 7/2/77 Ticket 77-1366 Company Western Testing Co., Inc.Well Name and No. 77-1366 Dst No. 77-1366 Interval Tested 77-1366County Osage State Okla Sec. 1 Twp. 1 Rg. 1

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
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PRE FLOW

SECOND FLOW

GAS BOTTLESerial No. 77-1366 Date Bottle Filled 7/2/77 Date to be Invoiced 7/2/77

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.

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COMPANY'S NAME Western Testing Co., Inc.Authorized by Western Testing Co., Inc.

WESTERN TESTING CO., INC.

Pressure Data

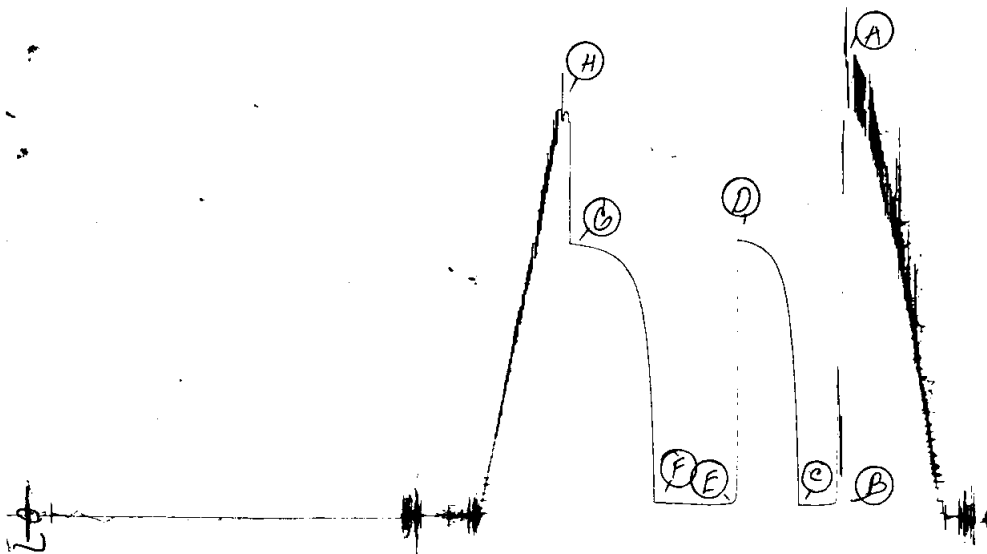
Date 5-21-79 Recorder No. 2607 Capacity 4150 Test Ticket No. 1647 Location 4433 Ft.
Clock No. Elevation Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2257</u> P.S.I.	Open Tool	<u>9:50</u> P.M.	
B First Initial Flow Pressure	<u>97</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>87</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1519</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>99</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>101</u> P.S.I.			
G Final Closed-in Pressure	<u>1498</u> P.S.I.			
H Final Hydrostatic Mud	<u>2215</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>97</u>	0	<u>87</u>	0	<u>97</u>	0	<u>101</u>
P 2 5	<u>94</u>	3	<u>616</u>	5	<u>93</u>	3	<u>508</u>
P 3 10	<u>89</u>	6	<u>921</u>	10	<u>91</u>	6	<u>841</u>
P 4 15	<u>87</u>	9	<u>1098</u>	15	<u>87</u>	9	<u>1029</u>
P 5 20		12	<u>1219</u>	20	<u>89</u>	12	<u>1144</u>
P 6 25		15	<u>1305</u>	25	<u>89</u>	15	<u>1226</u>
P 7 30	<u>87</u>	18	<u>1362</u>	30	<u>91</u>	18	<u>1286</u>
P 8 35		21	<u>1406</u>	35	<u>93</u>	21	<u>1330</u>
P 9 40		24	<u>1437</u>	40	<u>95</u>	24	<u>1362</u>
P 10 45		27	<u>1458</u>	45	<u>97</u>	27	<u>1393</u>
P 11 50		30	<u>1475</u>	50	<u>99</u>	30	<u>1412</u>
P 12 55		33	<u>1490</u>	55	<u>101</u>	33	<u>1431</u>
P 13 60		36	<u>1498</u>	60	<u>101</u>	36	<u>1443</u>
P 14		39	<u>1506</u>	<u>65</u>		39	<u>1452</u>
P 15		42	<u>1513</u>	<u>70</u>		42	<u>1462</u>
P 16		45	<u>1519</u>	<u>75</u>		45	<u>1469</u>
P 17		<u>48</u>		<u>80</u>		48	<u>1475</u>
P 18		<u>51</u>		<u>85</u>		51	<u>1479</u>
P 19		<u>54</u>		<u>90</u>		54	<u>1486</u>
P 20		<u>57</u>				57	<u>1492</u>
		<u>60</u>				60	<u>1498</u>

TRK # 1647
I



Company McCoy Petroleum Co. Lease & Well No. William #1-E
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 1647
Date 5-21-79 Sec. 22 Twp. 31S Range 8W County Harper State Kansas
Test Approved by H. Deane Jirrels Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 4430 ft. to 4442 ft. Total Depth 4442 ft.
Packer Depth 4425 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4430 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4433 ft. Recorder Number 2607 Cap 4150
Bottom Recorder Depth (Outside) 4436 ft. Recorder Number 3351 Cap 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap -
Drilling Contractor Sweetman Drig. (#1) Drill Collar Length 275 I. D. 2 1/4 in.
Mud Type Starch Viscosity - Weight Pipe Length - I. D. - in.
Weight - Water Loss - cc. Drill Pipe Length 4134 I. D. 3.8 in.
Chlorides - P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 12 ft. Size 5 1/2 OD in.
Did Well Flow? Yes 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 FH in.

Blow: Strong blow throughout test. Gas to surface in 15 minutes on preflow. See attached sheet for gas measurements.

Recovered 210 ft. of heavy oil cut mud

Recovered 30 ft. of muddy water

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 9:50 ~~A.M.~~ P.M. Time Started Off Bottom 1:05 ~~A.M.~~ P.M. Maximum Temperature 125
Initial Hydrostatic Pressure (A) 2257 P.S.I.
Initial Flow Period Minutes 30 (B) 97 P.S.I. to (C) 87 P.S.I.
Initial Closed In Period Minutes 45 (D) 1519 P.S.I.
Final Flow Period Minutes 60 (E) 99 P.S.I. to (F) 101 P.S.I.
Final Closed In Period Minutes 60 (G) 1498 P.S.I.
Final Hydrostatic Pressure (H) 2215 P.S.I.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 5-21-79 Ticket 1647 Company McCoy Petroleum Co.
Well Name and No. William #1-E Dst No. 1 Interval Tested 4430' - 442'
County Harper State Kansas Sec. 22 Twp. 31S Rg. 8W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
	20 min.	17" of water	3/4" orifice			58,500 C.F.P.D.
	25 min.	15" of water	3/4" orifice			55,200 C.F.P.D.
	30 min.	15" of water	3/4" orifice			55,200 C.F.P.D.
Gas to surface in 15 minutes on preflow.						

SECOND FLOW						
	5 min.	30" of water	3/4" orifice			77,800 C.F.P.D.
	10 min.	14" of water	3/4" orifice			53,300 C.F.P.D.
	15 min.	12" of water	3/4" orifice			49,300 C.F.P.D.
	20 min.	12" of water	3/4" orifice			49,300 C.F.P.D.
	25 min.					Gas stabilized throughout
	30 min.					the remainder of the second
	35 min.					flow period
	40 min.					
	45 min.					
	50 min.					
	55 min.					
	60 min.					

GAS BOTTLE

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

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COMPANY'S NAME McCoy Petroleum Co.

Authorized by H. Deane Jirrels

WESTERN TESTING CO., INC. Pressure Data

Date 5-21-79
Recorder No. 2607 Capacity 4150 Test Ticket No. 1647
Clock No. - Elevation - Location 4433 Ft. Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2257	P.S.I.	9:50P.	M
B First Initial Flow Pressure	97	P.S.I.	30	Mins.
C First Final Flow Pressure	87	P.S.I.	45	Mins.
D Initial Closed-in Pressure	1519	P.S.I.	60	Mins.
E Second Initial Flow Pressure	99	P.S.I.	60	Mins.
F Second Final Flow Pressure	101	P.S.I.	60	Mins.
G Final Closed-in Pressure	1498	P.S.I.		
H Final Hydrostatic Mud	2215	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>97</u>	<u>0</u>	<u>87</u>	<u>0</u>	<u>99</u>	<u>0</u>	<u>101</u>
P 2 <u>5</u>	<u>94</u>	<u>3</u>	<u>616</u>	<u>5</u>	<u>93</u>	<u>3</u>	<u>508</u>
P 3 <u>10</u>	<u>89</u>	<u>6</u>	<u>921</u>	<u>10</u>	<u>91</u>	<u>6</u>	<u>841</u>
P 4 <u>15</u>	<u>87</u>	<u>9</u>	<u>1098</u>	<u>15</u>	<u>87</u>	<u>9</u>	<u>1029</u>
P 5 <u>20</u>	<u>87</u>	<u>12</u>	<u>1219</u>	<u>20</u>	<u>89</u>	<u>12</u>	<u>1144</u>
P 6 <u>25</u>	<u>87</u>	<u>15</u>	<u>1305</u>	<u>25</u>	<u>89</u>	<u>15</u>	<u>1226</u>
P 7 <u>30</u>	<u>87</u>	<u>18</u>	<u>1362</u>	<u>30</u>	<u>91</u>	<u>18</u>	<u>1286</u>
P 8		<u>21</u>	<u>1406</u>	<u>35</u>	<u>93</u>	<u>21</u>	<u>1330</u>
P 9		<u>24</u>	<u>1437</u>	<u>40</u>	<u>95</u>	<u>24</u>	<u>1362</u>
P 10		<u>27</u>	<u>1458</u>	<u>45</u>	<u>97</u>	<u>27</u>	<u>1393</u>
P 11		<u>30</u>	<u>1475</u>	<u>50</u>	<u>99</u>	<u>30</u>	<u>1412</u>
P 12		<u>33</u>	<u>1490</u>	<u>55</u>	<u>100</u>	<u>33</u>	<u>1431</u>
P 13		<u>36</u>	<u>1498</u>	<u>60</u>	<u>101</u>	<u>36</u>	<u>1443</u>
P 14		<u>39</u>	<u>1506</u>			<u>39</u>	<u>1452</u>
P 15		<u>42</u>	<u>1513</u>			<u>42</u>	<u>1462</u>
P 16		<u>45</u>	<u>1519</u>			<u>45</u>	<u>1469</u>
P 17						<u>48</u>	<u>1475</u>
P 18						<u>51</u>	<u>1479</u>
P 19						<u>54</u>	<u>1486</u>
P 20						<u>57</u>	<u>1492</u>
						<u>60</u>	<u>1498</u>