



P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 21290

Formation Miss Elevation 1617 KB Eff. Pay _____ Ft.

District Augusta Date 9-22-75 Customer Order No. _____

COMPANY NAME McCoy Pet Co.

ADDRESS 502 UNION Center Bldg, Wichita, KS

LEASE AND WELL NO. Griem #1 COUNTY Kingman STATE KS Sec. 2 Twp. 30S Rge. 9W

Mail Inv. To Same as above No. Copies Requested 1
Co. Name _____ Address _____

Mail Charts To Same as above No. Copies Requested 5
Address _____

Formation Test No. #12 O.K. X Misrun _____ Interval Tested From 4201 to 4212 Total Depth 4212

Size Main Hole 7 3/8 Rat Hole _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Conv. X B.T. _____ Damaged _____ Yes X No

Top Packer Depth _____ Ft. Size _____ Bottom Packer Depth 4201 Ft. Size 6 3/4

Straddle _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Packer Depth _____ Ft. Size _____

Tool Size 5 5/8 OD Tool Joint Size 4 1/2 FH Anchor Length 11 Ft. Size 5 5/8 OD Surface Choke Size 3 1/4 In. Bottom Choke Size 3 1/4 In.

RECORDERS Depth 4205 Ft. Clock No. 6800 Depth 4208 Ft. Clock No. 9102

Top Make Kuster Cap. 4200 No. 1559 Inside _____ Outside _____ Bottom Make Kuster Cap. 3150 No. 1565 Inside _____ Outside _____

Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____

Time Set Packer 8:42 AM

Tool Open I.F.P. From 8:45 AM to 9:15 AM Hr. 30 Min. From (B) 73 Loc. P.S.I. To (C) 83 73 P.S.I.

Tool Closed I.C.I.P. From 9:15 AM to 10:00 AM Hr. 45 Min. (D) 1462 1453 P.S.I.

Tool Open F.F.P. From 10:00 AM to 11:00 AM Hr. 60 Min. From (E) 94 87 P.S.I. To (F) 83 71 P.S.I.

Tool Closed F.C.I.P. From 11:00 AM to 12:00 PM Hr. 60 Min. (G) 1449 1424 P.S.I.

Initial Hydrostatic Pressure (A) 2137 P.S.I. Final Hydrostatic Pressure (H) 2115 P.S.I. Maximum Temp. 119

BLOW Strong Blow throughout Test, Gas to surface 2 min

Did Well Flow Good Yes _____ No _____ Recovery Total Ft. 80 FT of Gas cut Only Mud

Reversed Out Yes X No _____ Mud Type Starch Viscosity 50 Weight 9.6 Water Loss 10.0 cc. Chlorides 38,000

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint _____ Jars: Size _____ In. Make _____ Ser. No. _____

Dual Packers NO Did Packers Hold? yes Did Tool Plug? NO Where? _____

DRILLING CONTRACTOR Sweetman Drly Co Length Drill Pipe 3965 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe _____ ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars 220 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size H 1/4-9P In. Length D.S.T. Tool 27 ft.

Remarks See sheet attached for Gas Measurements

RECEIVED
SEP 24 1975

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage 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, or 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 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

INVOICE SECTION

Open Hole Test	\$ 355.00
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$
Total	\$ 355.00

Test Approved By Roger McCoy Western Representative Forest Purnell

Signature of Customer or his Authorized Representative

Operator's Time _____ Hrs.

WESTERN TESTING CO., INC.

Pressure Data

Date 9-22-75 Test Ticket No. 21290
 Recorder No. 1559 Capacity 4200 Location 4205 Ft.
 Clock No. 6800 Elevation 1617 Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2156</u>	P.S.I.	<u>8:42 A.M.</u>	
B First Initial Flow Pressure	<u>60</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>73</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1453</u>	P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>81</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>71</u>	P.S.I.		
G Final Closed-in Pressure	<u>1426</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2141</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>20</u> Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ 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	<u>60</u>		<u>73</u>		<u>81</u>		<u>71</u>
P 2	<u>60</u>		<u>1056</u>		<u>↑</u>		<u>1022</u>
P 3	<u>71</u>		<u>1257</u>		<u>↓</u>		<u>1152</u>
P 4	<u>73</u>		<u>1311</u>		<u>↓</u>		<u>1194</u>
P 5	<u>↑</u>		<u>1340</u>		<u>81</u>		<u>1240</u>
P 6	<u>↓</u>		<u>1363</u>		<u>75</u>		<u>1265</u>
P 7	<u>73</u>		<u>1382</u>		<u>↑</u>		<u>1292</u>
P 8			<u>1392</u>		<u>↓</u>		<u>1309</u>
P 9			<u>1407</u>		<u>75</u>		<u>1323</u>
P10			<u>1418</u>		<u>71</u>		<u>1340</u>
P11			<u>1424</u>		<u>71</u>		<u>1357</u>
P12			<u>1430</u>		<u>71</u>		<u>1365</u>
P13			<u>1437</u>				<u>1378</u>
P14			<u>1441</u>				<u>1386</u>
P15			<u>1447</u>				<u>1392</u>
P16			<u>1453</u>				<u>1401</u>
P17						<u>48</u>	<u>1405</u>
P18						<u>51</u>	<u>1411</u>
P19						<u>54</u>	<u>1418</u>
P20						<u>57</u>	<u>1422</u>
						<u>60</u>	<u>1426</u>



GAS FLOW REPORT

Date 9-22-75 Ticket 21290 Company McCoy Petro Co
Well Name and No. Griem # 1 Dst No. 2 Interval Tested 4201'-4212'
County Kingman State KS Sec. 2 Twp. 30S Rg. 9W

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						
8:50 A	5 min	2	P.S.I.G.	1 1/4" Choke		332,000 C.F.P.D.
8:55 A	5 min	2.5	"	"		374,000 "
9:05 A	10 min	3.0	"	"		411,000 "
9:15 A	"	3.0	"	"		411,000 "
Well opened at 8:45 Am in pre-flow.						

SECOND FLOW						
10:10 A	10 min	4.5	P.S.I.G.	1 1/4" Choke		511,000 C.F.P.D.
10:20 A	"	4.0	"	"		480,000 "
10:30 A	"	3.5+	"	"		455,000 "
10:40 A	"	3.5	"	"		445,000 "
10:50 A	"	3.5-	"	"		435,000 "
11:00 A	"	3.5-	"	"		430,000 "
Well opened at 10:00 AM in second flow. Gas to surface in 2 minutes. All measurements taken with a 2" merla orifice well tester through a 1 1/4" choke at 10 minute intervals. Gas never stabilized.						

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced 9-22-75

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 McCoy Petro Co
Authorized by Roger McCoy



GAS FLOW REPORT

Nº 123

Date 9-22-75 Ticket 21290 Company McCoy Pet Co
Well Name and No. Griem #1 Dst No. #2 Interval Tested 4201-4212
County KINGMAN State KANSAS Sec. 2 Twp. 30S Rg. 9W

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
Tool open 8:45 AM PRE FLOW						
8:50 AM	2	2 LBS				332,000 C.F.P.D.
8:55 AM	8	2.5 LBS				374,000 C.F.P.D.
9:05 AM	20	3.0 LBS				400,000 C.F.P.D.
9:15 AM	30	3.0 LBS				411,000 C.F.P.D.

Tool open 10:00 AM 445,000 C.F.P.D. SECOND FLOW						
10:10 AM	40	4.5 LBS				511,000 C.F.P.D.
10:20 AM	50	4.0 LBS				480,000 C.F.P.D.
10:30 AM	60	3.5 LBS				455,000 " " "
10:40 AM	70	3.5 LBS				445,000 " " "
10:50 AM	80	3.5 LBS				485,000 " " "
11:00 AM	90	3.5 LBS				430,000 " " "

Gas To Surface @ 2 min
ALL Measurements were taken thru a 2" orifice well Tester
Thru a 1 1/2" choke at 10 min intervals
Gas never stabilize

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.

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COMPANY'S NAME McCoy Pet Co.
Authorized by Roger McCoy



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company **McCoy Petroleum Co.** Lease & Well No. **Grien #1**
 Elevation **1617 Kelly Bush.** Formation **Mississippi** Effective Pay **-** Ft. Ticket No. **21290**
 Date **9-22-75** Sec. **2** Twp. **30S** Range **9W** County **Kingman** State **Kansas**
 Test Approved by **Roger McCoy** Western Representative **Forrest Purnell**
 Formation Test No. **2** O.K. Misrun Interval Tested From **4201'** to **4212'** Total Depth **4212'**
 Size Main Hole **7 7/8** Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth Ft. Size Bottom Packer Depth **4201** Ft. Size **6 3/4**
 Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size
 Tool Size **5 1/2 OD** Tool Joint Size **4 1/2 FH** Anchor Length **11** Ft. Size **5 1/2 OD** Surface Choke Size **3/4** In. Bottom Choke Size **3/4** In.
 RECORDERS
 Depth **4205** Ft. Clock No. **6800** Depth **4208** Ft. Clock No. **9102**
 Top Make **Kuster** Cap. **4200** No. **1559** Inside Outside Bottom Make **Kuster** Cap. **3150** No. **1565** Inside Outside
 Below Straddle: Depth Rec. No. Clock No. Inside Outside Depth Ft. Rec. No. Clock No. Inside Outside
 Time Set Packer **8:42 A** M
 Tool Open I.F.P. From **8:45A** M. to **9:15A** M. - Hr. **30** Min. From (B) **60** P.S.I. To (C) **73** P.S.I.
 Tool Closed I.C.I.P. From **9:15A** M. to **10:00A** M. - Hr. **45** Min (D) **1453** P.S.I.
 Tool Open F.F.P. From **10:00A** M. to **11:00A** M. - Hr. **60** Min. From (E) **81** P.S.I. To (F) **71** P.S.I.
 Tool Closed F.C.I.P. From **11:00A** M. to **12:00P** M. - Hr. **60** Min. (G) **1426** P.S.I.
 Initial Hydrostatic Pressure (A) **2156** P.S.I. Final Hydrostatic Pressure (H) **2141** P.S.I. Maximum Temp. **119**

INFORMATION

BLOW **Strong blow throughout test, gas to surface in 2 minutes.**

Did Well Flow **Gas X** Yes No Recovery Total Ft. **80' gas cut drilling mud.**

Reversed Out Yes No Mud Type **Starch** Viscosity **50** Weight **9.6** Water Loss **10.0** cc. Chlorides **38,000 PPM**
 EXTRA EQUIPMENT: Type **Pin** Circ. Sub. **Pin** Safety Joint Jars: Size In. Make Ser. No.
 Dual Packer No Did Packers Hold? **Yes** Did Tool Plug? No Where?
 DRILLING CONTRACTOR **Sweetman Drilling Co.** Length Drill Pipe? **3965** Ft. I.D. Drill Pipe **3.8** In. Tool Joint Size **4 1/2 FH** In.
 Length Weight Pipe Ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars **220** Ft. I.D. Drill Collars **2 1/2** In.
 Tool Joint Size **4 1/2 H-90** In. Length D.S.T. Tool **27** Ft.

Remarks: **See attached sheet for gas measurements.**

WESTERN TESTING CO., INC.
Pressure Data

Date 9-22-75 Test Ticket No. 21290

Recorder No. 1559 Capacity 4200 Location 4205 Ft.

Clock No. 6800 Elevation 1617 Kelly Bushing Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2156</u> P.S.I.	Open Tool	<u>8:42 A</u> M	
B First Initial Flow Pressure	<u>60</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>73</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1453</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>81</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>71</u> P.S.I.			
G Final Closed-in Pressure	<u>1426</u> P.S.I.			
H Final Hydrostatic Mud	<u>2141</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>20</u> 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 <u>0</u>	<u>60</u>	<u>0</u>	<u>73</u>	<u>0</u>	<u>81</u>	<u>0</u>	<u>71</u>
P 2 <u>5</u>	<u>60</u>	<u>3</u>	<u>1056</u>	<u>5</u>	<u>81</u>	<u>3</u>	<u>1022</u>
P 3 <u>10</u>	<u>71</u>	<u>6</u>	<u>1257</u>	<u>10</u>	<u>81</u>	<u>6</u>	<u>1152</u>
P 4 <u>15</u>	<u>73</u>	<u>9</u>	<u>1311</u>	<u>15</u>	<u>81</u>	<u>9</u>	<u>1194</u>
P 5 <u>20</u>	<u>73</u>	<u>12</u>	<u>1340</u>	<u>20</u>	<u>81</u>	<u>12</u>	<u>1240</u>
P 6 <u>25</u>	<u>73</u>	<u>15</u>	<u>1363</u>	<u>25</u>	<u>75</u>	<u>15</u>	<u>1265</u>
P 7 <u>30</u>	<u>73</u>	<u>18</u>	<u>1382</u>	<u>30</u>	<u>75</u>	<u>18</u>	<u>1292</u>
P 8 _____		<u>21</u>	<u>1392</u>	<u>35</u>	<u>75</u>	<u>21</u>	<u>1309</u>
P 9 _____		<u>24</u>	<u>1407</u>	<u>40</u>	<u>75</u>	<u>24</u>	<u>1323</u>
P10 _____		<u>27</u>	<u>1418</u>	<u>45</u>	<u>71</u>	<u>27</u>	<u>1340</u>
P11 _____		<u>30</u>	<u>1424</u>	<u>50</u>	<u>71</u>	<u>30</u>	<u>1357</u>
P12 _____		<u>33</u>	<u>1430</u>	<u>55</u>	<u>71</u>	<u>33</u>	<u>1365</u>
P13 _____		<u>36</u>	<u>1437</u>			<u>36</u>	<u>1376</u>
P14 _____		<u>39</u>	<u>1441</u>			<u>39</u>	<u>1386</u>
P15 _____		<u>42</u>	<u>1447</u>			<u>42</u>	<u>1392</u>
P16 _____		<u>45</u>	<u>1453</u>			<u>45</u>	<u>1401</u>
P17 _____						<u>48</u>	<u>1405</u>
P18 _____						<u>51</u>	<u>1411</u>
P19 _____						<u>54</u>	<u>1418</u>
P20 _____						<u>57</u>	<u>1422</u>
						<u>60</u>	<u>1426</u>

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date **9-22-75** Ticket **21290** Company **McCoy Petroleum Co.**
Well Name and No. **Orien #1** Dst No. **2** Interval Tested **4201' - 4212'**
County **Kingman** State **KS** Sec. **2** Twp. **30S** Rg. **9W**

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
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PRE FLOW

8:50AM	5 min.	2	B.S.I.G.	1 1/2" choke		382,000 C.F.P.D.
8:55AM	5 min.	2.5	P.S.I.G.	1 1/2" choke		374,000 C.F.P.D.
9:05AM	10 min.	3.0-	P.S.I.G.	1 1/2" choke		400,000 C.F.P.D.
9:15AM	10 min.	3.0	P.S.I.G.	1 1/2" choke		411,000 C.F.P.D.
Tool opened at 8:45 AM in pre-flow period.						

SECOND FLOW

10:10AM	10 min.	4.5	P.S.I.G.	1 1/2" choke		511,000 C.F.P.D.
10:20AM	10 min.	4.0	P.S.I.G.	1 1/2" choke		480,000 C.F.P.D.
10:30AM	10 min.	3.5+	P.S.I.G.	1 1/2" choke		455,000 C.F.P.D.
10:40AM	10 min.	3.5	P.S.I.G.	1 1/2" choke		445,000 C.F.P.D.
10:50AM	10 min.	3.5-	P.S.I.G.	1 1/2" choke		435,000 C.F.P.D.
11:00AM	10 min.	3.5--	P.S.I.G.	1 1/2" choke		430,000 C.F.P.D.
Tool opened at 10:00AM in second flow period. Gas to surface in 2 minutes. All measurements taken with a 2" merla orifice well tester through a 1 1/2" choke at 10 minute intervals. Gas stabilized never.						

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced **9-22-75**

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 **McCoy Petroleum Co.**
Authorized by **Roger McCoy**

TKT# 21290

H I H

G P

EE Q B

