



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 16179

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

Elevation 1456 K13 Formation MISS. Eff. Pay _____ Ft.

District PRATT Date 9-16-82 Customer Order No. _____
COMPANY NAME McCoy Petroleum Corp Smt 410
ADDRESS One main Place Wichita, Kansas 67124
LEASE AND WELL NO. 1 Rago Junction COUNTY Kingman STATE Kans Sec. 9 Twp. 2S Rge. 2W
Mail Invoice To #1 RAGO Co. Name JUNCTION Address _____ No. Copies Requested Rq
Mail Charts To SAME Address _____ No. Copies Requested Rq

Formation Test No. 1 Interval Tested From 4105 ft. to 4124 ft. Total Depth 4124 ft.
Packer Depth 4100 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4105 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4109 ft. Recorder Number 2606 Cap. 4150
Bottom Recorder Depth (Outside) 4112 ft. Recorder Number 4332 Cap. 4200
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
Drilling Contractor Sweetman Drilling Drill Collar Length 339 I. D. 2 1/4 in.
Mud Type Cheng Slush Viscosity 50 Weight Pipe Length _____ I. D. _____ in.
Weight 9.3 Water Loss 2.0 cc. Drill Pipe Length 3746 I. D. 3.8 in.
Chlorides _____ P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
Jars: Make NO Serial Number _____ Anchor Length 19 ft. Size 5 1/2 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 blow throughout test gas to surface 2 min into
spinal flow see flow chart attached chart for gas measurements
Recovered _____ ft. of _____
Recovered 5 ft. of drilling mud
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: _____

RECEIVED
SEP 20 1982

Time On Location 3:30 A.M. Time Pick Up Tool 5:00 P.M. Time Off Location 12:00 A.M.
Time Set Packer(s) 4:20 P.M. Time Started Off Bottom 9:35 P.M. Maximum Temperature 130° F
Initial Hydrostatic Pressure _____ (A) 2292 P.S.I.
Initial Flow Period _____ Minutes 30 (B) 104 P.S.I. to (C) 93 P.S.I.
Initial Closed In Period _____ Minutes 45 (D) 904 P.S.I.
Final Flow Period _____ Minutes 60 (E) 52 P.S.I. to (F) 52 P.S.I.
Final Closed In Period _____ Minutes 60 (G) 883 P.S.I.
Final Hydrostatic Pressure _____ (H) 2240 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 A. Deane Jones
Signature of Customer or his authorized representative

Western Representative Red Litt Thank you

FIELD INVOICE

Open Hole Test 675°
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL 675°

WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 9-16-82 Ticket 16179 Company M^c Coy Petroleum Corp
Well Name and No. 1 Lago Junction Dst No. 1 Interval Tested 4105 - 4124
County Kingman State Kansas Sec. 9 Twp. 30 S Rg. 7 W

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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Inches of water		SECOND FLOW		gals to Surface PC + PD	
02		1/4			
5	17	}		6.930	}
10	19		7.320		
15	24		8.560		
20	30		9.200		
25	31		9.350		
30	31		9.350		
35	31		9.350		
40	30		9.200		
45	30		9.200		
50	28		8.890		
55	28	8.890			
60	24	8.560			

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 1½% 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 9-16-82 Test Ticket No. 16179
 Recorder No. 2606 Capacity 4150 Location 4109 Ft.
 Clock No. --- Elevation 1456 KB Well Temperature 130 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2268</u> P.S.I.	Open Tool	<u>4:20 A</u> M	
B First Initial Flow Pressure	<u>85</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>85</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>911</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>54</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>66</u> Mins.
F Second Final Flow Pressure	<u>62</u> P.S.I.			
G Final Closed-in Pressure	<u>878</u> P.S.I.			
H Final Hydrostatic Mud	<u>2219</u> 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: 14 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.

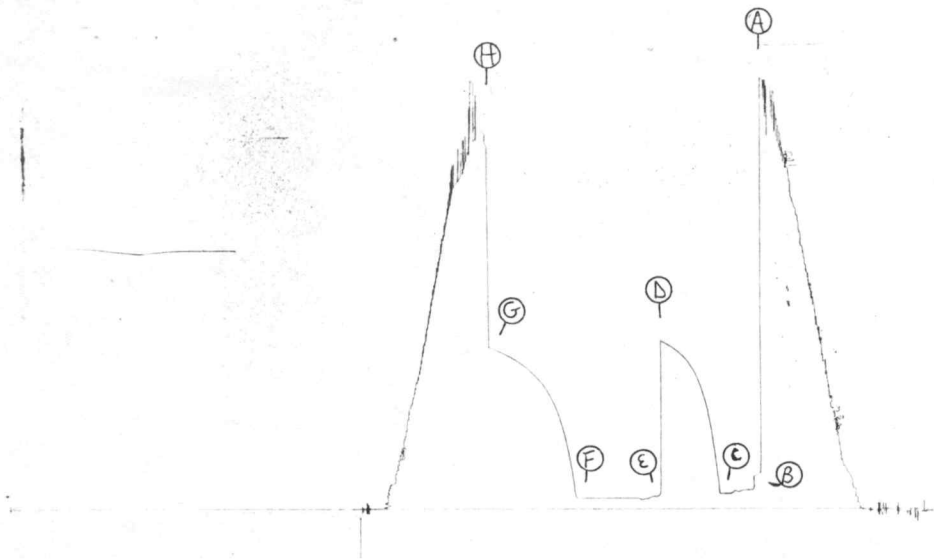
Final Shut-In
 Breakdown: 22 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	85	0	85	0	54	0	62
P 2 5		3	275	5	5	3	108
P 3 10		6	428	10	54	6	261
P 4 15		9	543	15	59	9	367
P 5 20		12	624	20	60	12	451
P 6 25		15	686	25	61	15	521
P 7 30	85	18	738	30	62	18	577
P 8 35		21	775	35		21	621
P 9 40		24	809	40		24	656
P10 45		27	833	45		27	687
P11 50		30	853	50		30	713
P12 55		33	870	55		33	736
P13 60		36	886	60	62	36	756
P14		39	898	65		39	774
P15		42	911	70		42	791
P16		45		75		45	807
P17		48		80		48	819
P18		51		85		51	832
P19		54		90		54	844
P20		57				57	853
		60				60	864
						63	873
						66	878

2606 DST # 1

TKT # 16179

I



Company McCoy Petroleum Corporation Lease & Well No. #1 Rago Junction
Elevation 1456 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 16179
Date 9/16/82 Sec. 9 Twp. 30S Range 7W County Kingman State Kansas
Test Approved by H Deane Jirrels Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 4105 ft. to 4124 ft. Total Depth 4124 ft.

Packer Depth 4100 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4105 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4109 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 4112 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Sweetman Drilling Drill Collar Length 339 I. D. 2 1/4 in.

Mud Type Chemical-Starch Viscosity 50 Weight Pipe Length - I. D. - in.

Weight 9.3 Water Loss 7.0 cc. Drill Pipe Length 3746 I. D. 3.8 in.

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

Jars: Make No Serial Number - Anchor Length 19 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 FH in.

Blow: Strong blow throughout test. Gas to surface in 2 minutes on final flow period. See attached sheet for gas measurements.

Recovered 5 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:20 A.M. P.M. Time Started Off Bottom 9:35 A.M. P.M. Maximum Temperature 130

Initial Hydrostatic Pressure (A) 2268 P.S.I.

Initial Flow Period Minutes 30 (B) 85 P.S.I. to (C) 85 P.S.I.

Initial Closed In Period Minutes 42 (D) 911 P.S.I.

Final Flow Period Minutes 60 (E) 54 P.S.I. to (F) 62 P.S.I.

Final Closed In Period Minutes 66 (G) 878 P.S.I.

Final Hydrostatic Pressure (H) 2219 P.S.I.

GAS FLOW REPORT

Date 9/16/82 Ticket 16179 Company McCoy Petroleum Corporation
 Well Name and No. #1 Rago Junction Dst No. 1 Interval Tested 4105-4124
 County Kingman State Kansas Sec. 9 Twp. 30S Rg. 7W

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						

SECOND FLOW						
	2 Min					gas to surface
	5 Min	17" Water	1/4" Orifice			6,930 C.F.P.D.
	10 Min	19" Water	1/4" Orifice			7,320 C.F.P.D.
	15 Min	26" Water	1/4" Orifice			8,560 C.F.P.D.
	20 Min	30" Water	1/4" Orifice			9,200 C.F.P.D.
	25 Min	31" Water	1/4" Orifice			9,350 C.F.P.D.
	30 Min	31" Water	1/4" Orifice			9,350 C.F.P.D.
	35 Min	31" Water	1/4" Orifice			9,350 C.F.P.D.
	40 Min	30" Water	1/4" Orifice			9,200 C.F.P.D.
	45 Min	30" Water	1/4" Orifice			9,200 C.F.P.D.
	50 Min	28" Water	1/4" Orifice			8,890 C.F.P.D.
	55 Min	28" Water	1/4" Orifice			8,890 C.F.P.D.
	60 Min	26" Water	1/4" Orifice			8,560 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 9/16/82

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 Corporation
 Authorized by H. Deane Jirrels

WESTERN TESTING CO., INC.

Pressure Data

Date 9/16/82 Test Ticket No. 16179
 Recorder No. 2606 Capacity 4150 Location 4109 Ft.
 Clock No. - Elevation 1456 Kelly Bushing Well Temperature 130 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2268</u>	P.S.I.	<u>4:20A</u>	<u>M</u>
B First Initial Flow Pressure	<u>85</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>85</u>	P.S.I.	<u>45</u>	Mins. <u>42</u> Mins.
D Initial Closed-in Pressure	<u>911</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mins.
E Second Initial Flow Pressure	<u>54</u>	P.S.I.	<u>60</u>	Mins. <u>66</u> Mins.
F Second Final Flow Pressure	<u>62</u>	P.S.I.		
G Final Closed-in Pressure	<u>878</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2219</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>14</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>22</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>85</u>	<u>0</u>	<u>85</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>62</u>
P 2 <u>5</u>	<u>85</u>	<u>3</u>	<u>275</u>	<u>5</u>	<u>54</u>	<u>3</u>	<u>108</u>
P 3 <u>10</u>	<u>85</u>	<u>6</u>	<u>428</u>	<u>10</u>	<u>54</u>	<u>6</u>	<u>261</u>
P 4 <u>15</u>	<u>85</u>	<u>9</u>	<u>543</u>	<u>15</u>	<u>59</u>	<u>9</u>	<u>367</u>
P 5 <u>20</u>	<u>85</u>	<u>12</u>	<u>624</u>	<u>20</u>	<u>60</u>	<u>12</u>	<u>451</u>
P 6 <u>25</u>	<u>85</u>	<u>15</u>	<u>686</u>	<u>25</u>	<u>61</u>	<u>15</u>	<u>521</u>
P 7 <u>30</u>	<u>85</u>	<u>18</u>	<u>738</u>	<u>30</u>	<u>62</u>	<u>18</u>	<u>577</u>
P 8		<u>21</u>	<u>775</u>	<u>35</u>	<u>62</u>	<u>21</u>	<u>621</u>
P 9		<u>24</u>	<u>809</u>	<u>40</u>	<u>62</u>	<u>24</u>	<u>656</u>
P10		<u>27</u>	<u>833</u>	<u>45</u>	<u>62</u>	<u>27</u>	<u>687</u>
P11		<u>30</u>	<u>853</u>	<u>50</u>	<u>62</u>	<u>30</u>	<u>713</u>
P12		<u>33</u>	<u>870</u>	<u>55</u>	<u>62</u>	<u>33</u>	<u>736</u>
P13		<u>36</u>	<u>886</u>	<u>60</u>	<u>62</u>	<u>36</u>	<u>756</u>
P14		<u>39</u>	<u>898</u>			<u>39</u>	<u>774</u>
P15		<u>42</u>	<u>911</u>			<u>42</u>	<u>791</u>
P16						<u>45</u>	<u>807</u>
P17						<u>48</u>	<u>819</u>
P18						<u>51</u>	<u>832</u>
P19						<u>54</u>	<u>844</u>
P20						<u>57</u>	<u>853</u>
						<u>60</u>	<u>864</u>
						<u>63</u>	<u>873</u>
						<u>66</u>	<u>878</u>



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 16180

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

Elevation 1456 KB Formation MISS Eff. Pay OK Ft.

District Peatt Date 9-17-82 Customer Order No.
COMPANY NAME McCoy Petroleum Corp Suite 410
ADDRESS One main place Wichita KANSAS 67202
LEASE AND WELL NO. 1 RAGO Junction COUNTY LINSMAN STATE KANSAS Sec. 9 Twp. 30s Rge. 7w
Mail Invoice To #1 RAGO Same Address No. Copies Requested 5
Co. Name JUNCTION Address No. Copies Requested 5
Mail Charts To Address

Formation Test No. 2 Interval Tested From 4124 ft. to 4150 ft. Total Depth 4150 ft.
Packer Depth 4119 ft. Size 2 3/4 in. Packer Depth ft. Size in.
Packer Depth 4124 ft. Size 2 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 4128 ft. Recorder Number 2606 Cap. 4150
Bottom Recorder Depth (Outside) 4131 ft. Recorder Number 4332 Cap. 4200
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Sweetman Drilling Drill Collar Length 339 I. D. 2 1/4 in.
Mud Type 46 Viscosity 46 Weight Pipe Length I. D. in.
Weight 8.8 Water Loss 12 cc. Drill Pipe Length 3765 I. D. 3.8 in.
Chlorides P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make NO Serial Number Anchor Length 26 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 778 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow through out test - gas to surface
8 minutes on initial see flow chart attached chart for
gas measurements
Recovered 90 ft. of gas & mud cut oil
Recovered ft. of
Recovered 180 ft. of froggy oil
Recovered ft. of
Recovered ft. of
Remarks:

RECEIVED
SEP 20 1982

Time On Location 1:00 A.M. 9-16 Time Pick Up Tool 10:30 A.M. 9-16 Time Off Location 6:00 A.M. 9-16
Time Set Packer(s) 12:05 A.M. 9-17 Time Started Off Bottom 3:20 A.M. 9-17 Maximum Temperature 126° +
Initial Hydrostatic Pressure (A) 2240 P.S.I.
Initial Flow Period Minutes 30 (B) 83 P.S.I. to (C) 62 P.S.I.
Initial Closed In Period Minutes 45 (D) 1091 P.S.I.
Final Flow Period Minutes 60 (E) 104 P.S.I. to (F) 80 P.S.I.
Final Closed In Period Minutes 60 (G) 1070 P.S.I.
Final Hydrostatic Pressure (H) 2083 P.S.I.

COMPANY TERMS

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Test Approved By A. Keane Jirrel
Signature of Customer or his authorized representative

Western Representative Bob Lint

FIELD INVOICE

Open Hole Test \$ 675.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$ 675.00

N^o 3963

GAS FLOW REPORT

Date 9-17-82 Ticket 16180 Company MC Coy Petroleum Corp
 Well Name and No. 1 Lago Junction Dst No. 2 Interval Tested 4124-4150
 County Kingman State Kansas Sec. 9 Twp. 30S Rg. 7W

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>8</u>		<u>1/2</u>			<u>gas to surface</u>
<u>15</u>	<u>3 psi</u>	<u>{</u>			<u>59,200 CFPD</u>
<u>20</u>	<u>3</u>	<u>{</u>			<u>59,200</u>
<u>25</u>	<u>3</u>	<u>{</u>			<u>59,200</u>
<u>30</u>	<u>3</u>	<u>{</u>			<u>59,200</u>

SECOND FLOW

<u>5</u>	<u>5 psi</u>	<u>1/2</u>			<u>98,100 CFPD</u>
<u>10</u>	<u>3</u>	<u>{</u>			<u>59,200</u>
<u>15</u>	<u>3</u>	<u>{</u>			<u>59,200</u>
<u>20</u>	<u>3</u>	<u>{</u>			<u>59,200</u>
<u>25</u>	<u>2</u>	<u>{</u>			<u>47,700</u>
<u>30</u>	<u>2</u>	<u>{</u>			<u>47,700</u>
<u>35</u>	<u>2</u>	<u>{</u>			<u>47,700</u>
<u>40</u>	<u>2</u>	<u>{</u>			<u>47,700</u>
<u>45</u>	<u>2</u>	<u>{</u>			<u>47,700</u>
<u>50</u>	<u>2</u>	<u>{</u>			<u>47,700</u>
<u>55</u>	<u>2</u>	<u>{</u>			<u>47,700</u>
<u>60</u>	<u>2</u>	<u>{</u>			<u>47,700</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: 9-17-82 Test Ticket No. 16180
 Recorder No. 2606 Capacity 4150 Location 428 Ft
 Clock No. --- Elevation 1456 KB Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2084</u> P.S.I.	Open Tool	<u>12:05 A</u> M	
B First Initial Flow Pressure	<u>66</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>66</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1087</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>75</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure	<u>80</u> P.S.I.			
G Final Closed-in Pressure	<u>1058</u> P.S.I.			
H Final Hydrostatic Mud	<u>2084</u> 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.

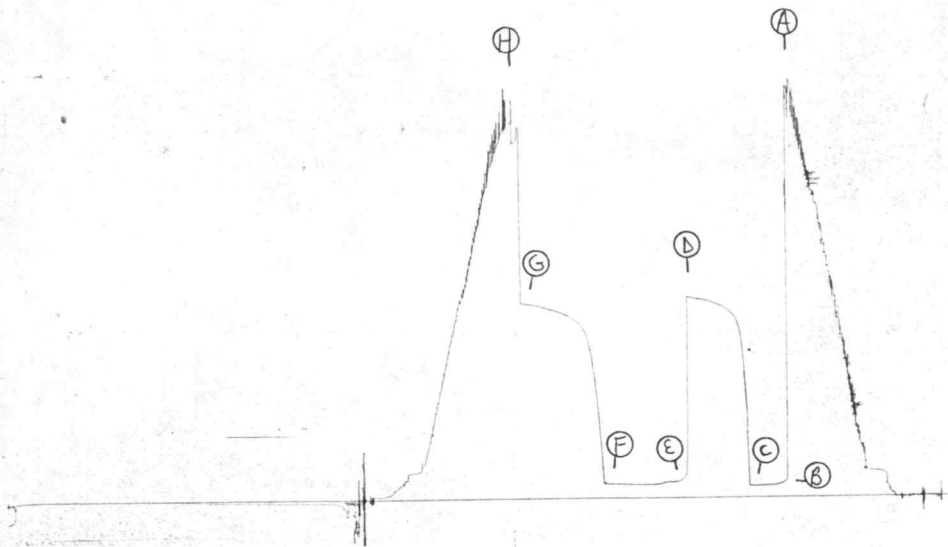
Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 21 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 0	<u>66</u>	0	<u>66</u>	0	<u>25</u>	0	<u>80</u>
P 2 5		3	<u>711</u>	5		3	<u>286</u>
P 3 10		6	<u>892</u>	10		6	<u>533</u>
P 4 15		9	<u>967</u>	15		9	<u>701</u>
P 5 20		12	<u>996</u>	20		12	<u>820</u>
P 6 25		15	<u>1019</u>	25		15	<u>894</u>
P 7 30	<u>66</u>	18	<u>1033</u>	30	<u>75</u>	18	<u>929</u>
P 8 35		21	<u>1046</u>	35	<u>76</u>	21	<u>955</u>
P 9 40		24	<u>1054</u>	40	<u>77</u>	24	<u>923</u>
P10 45		27	<u>1062</u>	45	<u>78</u>	27	<u>989</u>
P11 50		30	<u>1068</u>	50	<u>79</u>	30	<u>998</u>
P12 55		33	<u>1074</u>	55	<u>80</u>	33	<u>1008</u>
P13 60		36	<u>1078</u>	60	<u>80</u>	36	<u>1016</u>
P14		39	<u>1081</u>	65		39	<u>1023</u>
P15		42	<u>1085</u>	70		42	<u>1028</u>
P16		45	<u>1087</u>	75		45	<u>1033</u>
P17		48		80		48	<u>1040</u>
P18		51		85		51	<u>1046</u>
P19		54		90		54	<u>1050</u>
P20		57				57	<u>1053</u>
		60				60	<u>1057</u>
						63	<u>1058</u>

TKT # 16180

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Company McCoy Petroleum Corporation Lease & Well No. #1 Rago Junction
Elevation 1456 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 16180
Date 9/17/82 Sec. 9 Twp. 30S Range 7W County Kingman State Kansas
Test Approved by H Deane Jirrels Western Representative Rod Tritt

Formation Test No. 2 Interval Tested from 4124 ft. to 4150 ft. Total Depth 4150 ft.
Packer Depth 4119 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4124 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4128 ft. Recorder Number 2606 Cap. 4150
Bottom Recorder Depth (Outside) 4131 ft. Recorder Number 4332 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Sweetman Drilling Drill Collar Length 339 I. D. 2 1/4 in.
Mud Type - Viscosity 46 Weight Pipe Length - I. D. - in.
Weight 8.8 Water Loss 12.0 cc. Drill Pipe Length 3765 I. D. 3.8 in.
Chlorides - P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make No Serial Number - Anchor Length 26 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 FH in.

Blow: Strong blow throughout test - gas to surface in 8 minutes on initial flow period.
See attached sheet for gas measurements.

Recovered 90 ft. of gas & mud cut oil
Recovered 180 ft. of froggy oil
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 12:05 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 3:20 ~~P.M.~~ ^{A.M.} Maximum Temperature 126
Initial Hydrostatic Pressure (A) 2084 P.S.I.
Initial Flow Period Minutes 30 (B) 66 P.S.I. to (C) 66 P.S.I.
Initial Closed In Period Minutes 45 (D) 1087 P.S.I.
Final Flow Period Minutes 60 (E) 75 P.S.I. to (F) 80 P.S.I.
Final Closed In Period Minutes 63 (G) 1058 P.S.I.
Final Hydrostatic Pressure (H) 2084 P.S.I.

GAS FLOW REPORT

Date 9/17/82 Ticket 16180 Company McCoy Petroleum Corporation
 Well Name and No. #1 Rago Junction Dst No. 2 Interval Tested 4124-4150
 County Kingman State Kansas Sec. 9 Twp. 30S Rg. 7W

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 Min					gas to surface
	15 Min	3.0 PSIG	½" Orifice			59,200 C.F.P.D.
	20 Min	3.0 PSIG	½" Orifice			59,200 C.F.P.D.
	25 Min	3.0 PSIG	½" Orifice			59,200 C.F.P.D.
	30 Min	3.0 PSIG	½" Orifice			59,200 C.F.P.D.

SECOND FLOW						
	5 Min	5.0 PSIG	½" Orifice			78,100 C.F.P.D.
	10 Min	3.0 PSIG	½" Orifice			59,200 C.F.P.D.
	15 Min	3.0 PSIG	½" Orifice			59,200 C.F.P.D.
	20 Min	3.0 PSIG	½" Orifice			59,200 C.F.P.D.
	25 Min	2.0 PSIG	½" Orifice			47,700 C.F.P.D.
	30 Min	2.0 PSIG	½" Orifice			47,700 C.F.P.D.
	35 Min	2.0 PSIG	½" Orifice			47,700 C.F.P.D.
	40 Min	2.0 PSIG	½" Orifice			47,700 C.F.P.D.
	45 Min	2.0 PSIG	½" Orifice			47,700 C.F.P.D.
	50 Min	2.0 PSIG	½" Orifice			47,700 C.F.P.D.
	55 Min	2.0 PSIG	½" Orifice			47,700 C.F.P.D.
	60 Min	2.0 PSIG	½" Orifice			47,700 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 9/17/82

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 Corporation

Authorized by H Deane Jirrels

WESTERN TESTING CO., INC.

Pressure Data

Date 9/17/82 Test Ticket No. 16180
 Recorder No. 2606 Capacity 4150 Location 4128 Ft.
 Clock No. - Elevation 1456 Kelly Bushing Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2084</u>	P.S.I.	<u>12:05A</u>	<u>M</u>
B First Initial Flow Pressure	<u>66</u>	P.S.I.	<u>30</u>	<u>Mins. 30</u>
C First Final Flow Pressure	<u>66</u>	P.S.I.	<u>45</u>	<u>Mins. 45</u>
D Initial Closed-in Pressure	<u>1087</u>	P.S.I.	<u>60</u>	<u>Mins. 60</u>
E Second Initial Flow Pressure	<u>75</u>	P.S.I.	<u>60</u>	<u>Mins. 63</u>
F Second Final Flow Pressure	<u>80</u>	P.S.I.		
G Final Closed-in Pressure	<u>1058</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2084</u>	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: 21 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>66</u>	<u>0</u>	<u>66</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>80</u>
P 2 <u>5</u>	<u>66</u>	<u>3</u>	<u>711</u>	<u>5</u>	<u>75</u>	<u>3</u>	<u>286</u>
P 3 <u>10</u>	<u>66</u>	<u>6</u>	<u>892</u>	<u>10</u>	<u>75</u>	<u>6</u>	<u>533</u>
P 4 <u>15</u>	<u>66</u>	<u>9</u>	<u>967</u>	<u>15</u>	<u>75</u>	<u>9</u>	<u>701</u>
P 5 <u>20</u>	<u>66</u>	<u>12</u>	<u>996</u>	<u>20</u>	<u>75</u>	<u>12</u>	<u>820</u>
P 6 <u>25</u>	<u>66</u>	<u>15</u>	<u>1019</u>	<u>25</u>	<u>75</u>	<u>15</u>	<u>894</u>
P 7 <u>30</u>	<u>66</u>	<u>18</u>	<u>1033</u>	<u>30</u>	<u>75</u>	<u>18</u>	<u>929</u>
P 8		<u>21</u>	<u>1046</u>	<u>35</u>	<u>76</u>	<u>21</u>	<u>955</u>
P 9		<u>24</u>	<u>1054</u>	<u>40</u>	<u>77</u>	<u>24</u>	<u>973</u>
P10		<u>27</u>	<u>1062</u>	<u>45</u>	<u>78</u>	<u>27</u>	<u>989</u>
P11		<u>30</u>	<u>1068</u>	<u>50</u>	<u>79</u>	<u>30</u>	<u>998</u>
P12		<u>33</u>	<u>1074</u>	<u>55</u>	<u>80</u>	<u>33</u>	<u>1008</u>
P13		<u>36</u>	<u>1078</u>	<u>60</u>	<u>80</u>	<u>36</u>	<u>1016</u>
P14		<u>39</u>	<u>1081</u>			<u>39</u>	<u>1023</u>
P15		<u>42</u>	<u>1085</u>			<u>42</u>	<u>1028</u>
P16		<u>45</u>	<u>1087</u>			<u>45</u>	<u>1033</u>
P17						<u>48</u>	<u>1040</u>
P18						<u>51</u>	<u>1046</u>
P19						<u>54</u>	<u>1050</u>
P20						<u>57</u>	<u>1053</u>
						<u>60</u>	<u>1057</u>
						<u>63</u>	<u>1058</u>