



# WESTERN TESTING CO., INC.

## FORMATION TESTING

TICKET

No

2497

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

Elevation ? Formation Mud Eff. Pay — Ft.

District Augusta Date 3/26/79 Customer Order No. \_\_\_\_\_

COMPANY NAME McCoy Petroleum Corporation

ADDRESS 816 Vickers St. Bldg. Wichita, Ks. 67202

LEASE AND WELL NO. Leeper #A1 COUNTY Harpers STATE Ks Sec. 22 Twp. 31S Rge. 8W

Mail Invoice To Some Co. Name \_\_\_\_\_ Address \_\_\_\_\_ No. Copies Requested \_\_\_\_\_

Mail Charts To Some Co. Name \_\_\_\_\_ Address \_\_\_\_\_ No. Copies Requested \_\_\_\_\_

Formation Test No. 21 Interval Tested from 4403 ft. to 4417 ft. Total Depth 4417 ft.

Packer Depth 3398 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 4403 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4411 ft. Recorder Number 3085 Cap. 4500

Bottom Recorder Depth (Outside) 4414 ft. Recorder Number 1561 Cap. 3200

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor Sweetman Drilling Co. Drill Collar Length 273' I. D. 2 1/2" in.

Mud Type STURCK Viscosity 46 Weight Pipe Length \_\_\_\_\_ I. D. \_\_\_\_\_ in.

Weight 9.4 Water Loss 10 cc. Drill Pipe Length 4110 I. D. 3.8 in.

Chlorides N/A P.P.M. Test Tool Length 34' in. Tool Size 5 1/2 00 in.

Jars: Make \_\_\_\_\_ Serial Number \_\_\_\_\_ Anchor Length 14' in. Size 5 1/2 00 in.

Did Well Flow? yes Reversed Out yes Surface Choke Size 1 1/2 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 x H in.

Flow: Gas To Surface 1 min

Flowed oil 5 min after flow

Recovered 360' ft. of Heavy oil cut mud Thick Heavy Foggy

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

Time Set Packer(s) 10:05 AM P.M. Time Started Off Bottom 12:51 AM P.M. Maximum Temperature 124

Initial Hydrostatic Pressure \_\_\_\_\_ (A) 2326 P.S.I.

Initial Flow Period \_\_\_\_\_ Minutes 30 (B) 525 P.S.I. to (C) 457 P.S.I.

Initial Closed In Period \_\_\_\_\_ Minutes 60 (D) 1500 P.S.I.

Final Flow Period \_\_\_\_\_ Minutes 16 (E) 478 P.S.I. to (F) 537 P.S.I.

Final Closed In Period \_\_\_\_\_ Minutes 60 (G) 1500 P.S.I.

Final Hydrostatic Pressure \_\_\_\_\_ (H) 2323 P.S.I.

### COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature]  
Signature of Customer or his authorized representative

Western Representative [Signature]

### FIELD INVOICE

Open Hole Test \$ 460

Misrun \$ \_\_\_\_\_

Straddle Test \$ \_\_\_\_\_

Jars \$ \_\_\_\_\_

Selective Zone \$ \_\_\_\_\_

Safety Joint \$ \_\_\_\_\_

Standby \$ \_\_\_\_\_

Evaluation \$ \_\_\_\_\_

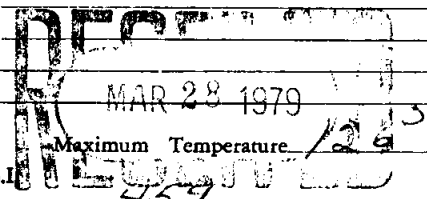
Extra Packer \$ \_\_\_\_\_

Circ. Sub. \$ 25.00

Mileage \$ \_\_\_\_\_

Extra Charts \$ \_\_\_\_\_

TOTAL \$ 485.00





### GAS FLOW REPORT

No 1108

Date 3/26/79 Ticket 2497 Company McCoy Petroleum Corp.  
 Well Name and No. Leeper #A1 Dst No. #1 Interval Tested 4403-4417  
 County Haskell State Ks. Sec. 22 Twp. 31S Rg. 8W.

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
Open AT 10:05 AM.					
Gas to surface 1 MIN PRE FLOW 1,250					
10 MIN	2" open	3 1/2	<del>2,900</del>	<del>2,900</del>	1,250 CF/Day
20 MIN	1 1/2 Choke	3 1/2			2,675,000 CF/Day OK
25 MIN	1 1/2 Choke	2 1/2			1,949,000 CF/Day OK
30 MIN	1 1/2 Choke	1 9/16			1,887,000 CF/Day 2/3 1887

Close AT 10:35 AM.

### SECOND FLOW

Open AT 11:35 AM					
40 MIN	Flowed oil		35 MIN	5 MIN ON Second spring	
50 MIN					
60 MIN					
70 MIN					
80 MIN					
90 MIN					

### 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 A. Deane Smith

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 3-26-79 Test Ticket No. 2497  
 Recorder No. 3085 Capacity 4500 Location 4441 Ft.  
 Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2301</u>	P.S.I.	<u>10:05 A M</u>	
B First Initial Flow Pressure	<u>516</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>430</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1498</u>	P.S.I.	<u>16</u> Mins.	<u>16</u> Mins.
E Second Initial Flow Pressure	<u>481</u>	P.S.I.	<u>60</u> Mins.	<u>66</u> Mins.
F Second Final Flow Pressure	<u>528</u> <del>528</del>	P.S.I.		
G Final Closed-in Pressure	<u>1500</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2292</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: 20 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

**Second Flow Pressure**  
 Breakdown: 3 Inc.  
 of 5 mins. and a  
 final inc. of 10 Min.

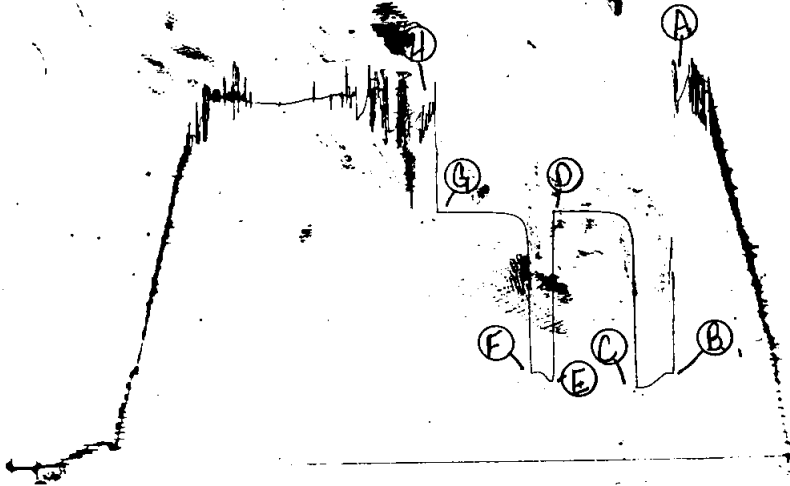
**Final Shut-In**  
 Breakdown: 22 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>516</u>	0	<u>430</u>	0	<u>481</u>	0	<u>528</u>
P 2 5	<u>516</u>	3	<u>1333</u>	5	<u>502</u>	3	<u>1317</u>
P 3 10	<u>488</u>	6	<u>1423</u>	10	<u>537</u>	6	<u>1433</u>
P 4 15	<u>457</u>	9	<u>1454</u>	15	<u>535</u>	9	<u>1474</u>
P 5 20	<u>435</u>	12	<u>1470</u>	20 <del>10</del>	<u>528</u>	12	<u>1484</u>
P 6 25	<u>430</u>	15	<u>1479</u>	25		15	<u>1488</u>
P 7 30	<u>430</u>	18	<u>1486</u>	30		18	<u>1491</u>
P 8 <del>35</del>		21	<u>1488</u>	35		21	<u>1493</u>
P 9 <u>40</u>		24	<u>1491</u>	40		24	<u>1495</u>
P10 <u>45</u>		27	<u>1493</u>	45		27	<u>1495</u>
P11 <u>50</u>		30	<u>1494</u>	50		30	<u>1495</u>
P12 <u>55</u>		33	<u>1494</u>	55		33	<u>1496</u>
P13 <u>60</u>		36	<u>1495</u>	60		36	<u>1496</u>
P14		39	<u>1495</u>	65		39	<u>1497</u>
P15		42	<u>1495</u>	70		42	<u>1497</u>
P16		45	<u>1496</u>	75		45	<u>1498</u>
P17		48	<u>1496</u>	80		48	<u>1498</u>
P18		51	<u>1497</u>	85		51	<u>1499</u>
P19		54	<u>1497</u>	90		54	<u>1499</u>
P20		57	<u>1498</u>			57	<u>1499</u>
		60	<u>1498</u>			60	<u>1500</u>
						63	<u>1500</u>
						66	<u>1500</u>

TRC# 2497

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T-2497



Company McCoy Petroleum Corporation Lease & Well No. Leeper "A" #1  
 Elevation ? Formation Mississippi Effective Pay -- Ft. Ticker No. 2497  
 Date 3/26/79 Sec. 22 Twp. 31S Range 8W County Harper State Kansas  
 Test Approved by H. Deane Jerrels Western Representative James Rogers

Formation Test No. 1 Interval Tested from 4403 ft. to 4417 ft. Total Depth 4417 ft.  
 Packer Depth 3398 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4403 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4411 ft. Recorder Number 3085 Cap. 4500  
 Bottom Recorder Depth (Outside) 4414 ft. Recorder Number 1561 Cap. 3200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Sweetman Drilling Co. Drill Collar Length 273 I. D. 2 1/2 in.  
 Mud Type starch Viscosity 46 Weight Pipe Length - I. D. - in.  
 Weight 9.4 Water Loss 10. cc. Drill Pipe Length 4110 I. D. 3.8 in.  
 Chlorides N/A P.P.M. Test Tool Length 34' in. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 14' ft. Size 5 1/2 OD in.  
 Did Well Flow? Yes Reversed Out Yes Surface Choke Size 1 1/2 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Gas to surface one minute. Flowed oil 5 minutes of second flow. See attached sheet for gas measurements.

Recovered 360 ft. of heavy oil cut mud Thick - Heavy - Foggy  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -

Remarks: -

Time Set Packer(s) 10:05 A.M. Time Started Off Bottom 12:51 P.M. Maximum Temperature 126  
 Initial Hydrostatic Pressure 2301 P.S.I. (A)  
 Initial Flow Period 30 Minutes (B) 516 P.S.I. to (C) 430 P.S.I.  
 Initial Closed In Period 60 Minutes (D) 1498 P.S.I.  
 Final Flow Period 16 Minutes (E) 481 P.S.I. to (F) 528 P.S.I.  
 Final Closed In Period 66 Minutes (G) 1500 P.S.I.  
 Final Hydrostatic Pressure 2292 P.S.I. (H)



**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 3/26/79 Test Ticket No. 2497  
 Recorder No. 3085 Capacity 4500 Location 4441 Ft.  
 Clock No. -- Elevation -- Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2301	P.S.I.	10:05A	M
B First Initial Flow Pressure	516	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	430	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	1498	P.S.I.	16	Mins. 16 Mins.
E Second Initial Flow Pressure	481	P.S.I.	60	Mins. 66 Mins.
F Second Final Flow Pressure	528	P.S.I.		
G Final Closed-in Pressure	1500	P.S.I.		
H Final Hydrostatic Mud	2292	P.S.I.		

**PRESSURE BREAKDOWN**

<b>First Flow Pressure</b> Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Final Shut-In</b> Breakdown: <u>22</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	576	0	430	0	481	528
P 2	5	516	3	1333	5	502	1317
P 3	10	488	6	1423	10	537	1433
P 4	15	457	9	1454	15	535	1474
P 5	20	435	12	1470	16	528	1484
P 6	25	430	15	1479			1488
P 7	30	430	18	1486			1491
P 8			21	1488			1493
P 9			24	1491			1495
P10			27	1493			1495
P11			30	1494			1495
P12			33	1494			1496
P13			36	1495			1496
P14			39	1495			1497
P15			42	1495			1497
P16			45	1496			1498
P17			48	1496			1498
P18			51	1497			1499
P19			54	1497			1499
P20			57	1498			1499
			60	1498			1500
							1500
							1500