



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 3386

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

Elevation 1581 RB Formation MISS, Eff. Pay Ft.

District LEATT Date 8-17-79 Customer Order No.

COMPANY NAME Mc Coy Petroleum Corp.

ADDRESS One Main Plaza Suite 410 Wichita 22

LEASE AND WELL NO. Williams C-3 COUNTY HARPER STATE KANSAS Sec 12 Twp 31S Rge 8W

Mail Invoice To SAME Co. Name Address No. Copies Requested

Mail Charts To SAME Address No. Copies Requested

Formation Test No. 1 Interval Tested from 4370 ft. to 4385 ft. Total Depth 4385 ft. Packer Depth 4365 ft. Size 2 3/4 in. Packer Depth 4370 ft. Size 2 3/4 in.

Top Recorder Depth (Inside) 4379 ft. Recorder Number 2604 Cap. 4150 Bottom Recorder Depth (Outside) 4377 ft. Recorder Number 2606 Cap. 4150 Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Sweetman Drilling Co. Mud Type Starch Viscosity 46 Weight 9.3 Water Loss 8.4 cc. Chlorides P.P.M. Jars: Make NO Serial Number Did Well Flow? NO Reversed Out NO Drill Collar Length 270 I. D. 2 1/4 in. Weight Pipe Length I. D. in. Drill Pipe Length I. D. 3 1/8 in. Test Tool Length 20 ft. Tool Size 5200 in. Anchor Length 15 ft. Size 5200 in. Surface Choke Size 3 1/4 in. Bottom Choke Size 3 1/4 in. Main Hole Size 7 1/8 in. Tool Joint Size 4 1/2 in.

Blow: building to strong blow in 9 minutes on initial flow. Strong blow decreasing on final flow - 33 minutes gas to surf.

Recovered ft. of 1/4" orifices - slot lined 10" 5,320 m c f P.D. Recovered ft. of Recovered 30 ft. of gas & slight oil and mud Recovered 60 ft. of gas & moderate to heavy oil and mud Recovered ft. of

Remarks:

Table with 4 columns: Time Set Packer(s), A.M./P.M., Time Started Off Bottom, Maximum Temperature. Rows include Initial Hydrostatic Pressure, Initial Flow Period, Initial Closed In Period, Final Flow Period, Final Closed In Period, Final Hydrostatic Pressure.

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. An expense incurred for collection will be added to the original amount.

Test Approved By Robert E. Mc Coy Signature of Customer or his authorized representative

Western Representative Rob Witt Thank you

FIELD INVOICE

Table with 2 columns: Item, Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, TOTAL.

WESTERN TESTING CO., INC.
Pressure Data

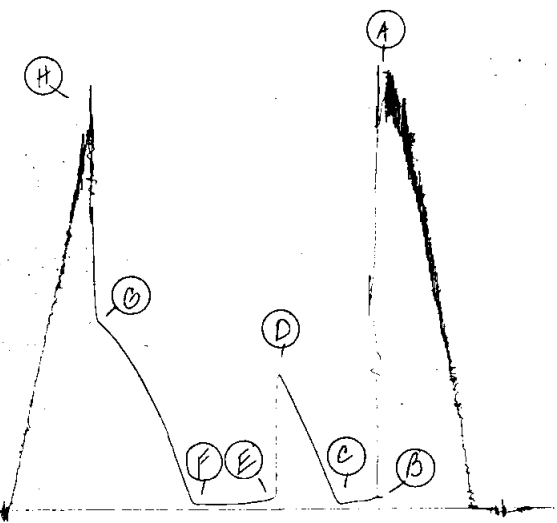
Date 8-17-79 Test Ticket No. 3386
 Recorder No. 2604 Capacity 4150 Location 4374 Ft.
 Block No. _____ Elevation 1581 LB Well Temperature 128 °F
 Point _____ Pressure _____ Time Given _____ Time Computed _____
 1. Initial Hydrostatic Mud 2351 P.S.I. Open Tool 12:35 AM
 2. First Initial Flow Pressure 67 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 3. First Final Flow Pressure 30 P.S.I. Initial Closed-in Pressure 45 Mins. 45 Mins.
 4. Initial Closed-in Pressure 720 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 5. Second Initial Flow Pressure 79 P.S.I. Final Closed-in Pressure 60 Mins. 60 Mins.
 6. Second Final Flow Pressure 29 P.S.I.
 7. Final Closed-in Pressure 1010 P.S.I.
 8. Final Hydrostatic Mud 2302 2291 P.S.I.

PRESSURE BREAKDOWN

Point Mins.	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 Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1	0	67	0	30	0	79	0	29
2	5	50	3	50	5	54	3	36
3	10	46	6	109	10	46	6	90
4	15	42	9	150	15	40	9	148
5	20	38	12	217	20	36	12	213
6	25	31	15	268	25	31	15	280
7	30	30	18	322	30	29	18	339
8	35		21	366	35		21	393
9	40		24	416	40		24	452
10	45		27	464	45		27	499
11	50		30	512	50		30	544
12	55		33	552	55		33	585
13	60		36	591	60	29	36	623
14			39	632	65		39	665
15			42	679	70		42	706
16			45	720	75		45	745
17			48		80		48	776
18			51		85		51	812
19			54		90		54	847
20			57				57	879
			60				60	1010

2604 DST #1

JK# 3386
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Company McCoy Petroleum Corporation Lease & Well No. Williams "C"#3
 Elevation 1581 Kelly Bushing Mississippi Formation Mississippi Effective Pay -- Ft. Ticket No. 3386
 Date 8/17/79 Sec. 22 Twp. 31S Range 8W County Harper State Kansas
 Test Approved by Robert E. McCann Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 4370 ft. to 4385 ft. Total Depth 4385 ft.
 Packer Depth 4365 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4370 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4374 ft. Recorder Number 2604 Cap. 4150
 Bottom Recorder Depth (Outside) 4377 ft. Recorder Number 2606 Cap. 4150
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Sweetman Drilling Co. Drill Collar Length 270 I. D. 2 1/4 in.
 Mud Type starch Viscosity 46 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 8.4 cc. Drill Pipe Length - 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 15 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: Building to strong blow in nine minutes on initial flow. Strong blow decreasing on final flow. Thirty-three minutes gas to surface. 1/4" orifice stabilized 10" of water 5,320CFPD

Recovered 30 ft. of gas and slightly oil cut mud
 Recovered 60 ft. of gas and moderate to heavy oil cut mud
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: -

Time Set Packer(s) 12:35 A.M. Time Started Off Bottom 3:50 A.M. Maximum Temperature 128
~~P.M.~~ ~~P.M.~~
 Initial Hydrostatic Pressure (A) 2351 P.S.I.
 Initial Flow Period Minutes 30 (B) 67 P.S.I. to (C) 30 P.S.I.
 Initial Closed In Period Minutes 45 (D) 720 P.S.I.
 Final Flow Period Minutes 60 (E) 79 P.S.I. to (F) 29 P.S.I.
 Final Closed In Period Minutes 60 (G) 1010 P.S.I.
 Final Hydrostatic Pressure (H) 2302 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/17/79 Test Ticket No. 3386
 Recorder No. 2604 Capacity 4150 Location 4374 Ft.
 Clock No. -- Elevation 1581 Kelly Bushing Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2351	P.S.I.	12:35A	M
B First Initial Flow Pressure	67	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	30	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	720	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	79	P.S.I.	60	Mins. 60 Mins.
F Second Final Flow Pressure	29	P.S.I.		
G Final Closed-in Pressure	1010	P.S.I.		
H Final Hydrostatic Mud	2302	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.
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Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1	67	0	30	0	79	0	29	0
P 2	50	5	50	3	54	5	36	3
P 3	46	10	109	6	46	10	90	6
P 4	42	15	150	9	40	15	148	9
P 5	38	20	217	12	36	20	213	12
P 6	31	25	268	15	31	25	280	15
P 7	30	30	322	18	29	30	339	18
P 8			366	21	29	35	393	21
P 9			416	24	29	40	452	24
P10			464	27	29	45	498	27
P11			512	30	29	50	544	30
P12			552	33	29	55	585	33
P13			591	36	29	60	623	36
P14			643	39			665	39
P15			679	42			706	42
P16			720	45			745	45
P17							776	48
P18							812	51
P19							847	54
P20							877	57
							1010	60



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 3387

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

Elevation 1581 RB Formation MISS Eff. Pay _____ Ft.

District PRATT Date 8-17-79 Customer Order No. _____
COMPANY NAME McCoy Petroleum Co
ADDRESS One Main Place Suite 410 Wichita
LEASE AND WELL NO. Williams C-3 COUNTY HARPER STATE KANSAS Sec. 22 Twp. 31S Rge. 8W
Mail Invoice To _____ Co. Name Same Address _____ No. Copies Requested _____
Mail Charts To _____ Co. Name Same Address _____ No. Copies Requested _____

Formation Test No. 2 Interval Tested from 4385 ft. to 4396 ft. Total Depth 4396 ft.
Packer Depth 4380 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4385 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4389 ft. Recorder Number 2604 Cap. 4150
Bottom Recorder Depth (Outside) 4392 ft. Recorder Number 2606 Cap. 4150
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Sweetman Drilling Drill Collar Length 270 I. D. 2 1/4 in.
Mud Type Starch Viscosity 47 Weight Pipe Length _____ I. D. _____ in.
Weight 8.9 Water Loss 16.8 cc. Drill Pipe Length 4074 I. D. 3.8 in.
Chlorides _____ P.P.M. Test Tool Length 20 ft. Tool Size 5 3/8 D in.
Jars: Make NO Serial Number _____ Anchor Length 11 ft. Size 5 3/8 D in.
Did Well Flow? NO Reversed Out _____ Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7/8 in. Tool Joint Size 4 1/2 CH in.

Blow: Strong blow in 2 min. at initial flow period - strong blow on final flow in 5 min - no gas to surface

Recovered 50 ft. of oil + gas cut mud
Recovered 60 ft. of oil + gas cut water mud
Recovered 60 ft. of oil cut muddy water
Recovered 180 ft. of water
Recovered 700 ft. of gas in pipe

Remarks: Hit tight spot at about 2475 - 2500 ft. had to mud tool to get into hole - open tool on bridge going into hole

Time Set Packer(s) 4:43 AM/PM Time Started Off Bottom 7:52 AM/PM Maximum Temperature 128° F
Initial Hydrostatic Pressure (A) 2369 P.S.I.
Initial Flow Period Minutes 30 (B) 65 P.S.I. to (C) 5.3 P.S.I.
Initial Closed In Period Minutes 45 (D) 1275 P.S.I.
Final Flow Period Minutes 60 (E) 138 P.S.I. to (F) 127 P.S.I.
Final Closed In Period Minutes 60 (G) 1265 P.S.I.
Final Hydrostatic Pressure (H) 2369 P.S.I.

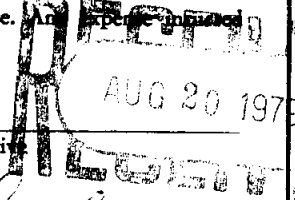
COMPANY TERMS

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

Test Approved By Robert E. McCann
Signature of Customer or his authorized representative

Western Representative Rob. Lutz Thank you



FIELD INVOICE

Open Hole Test \$ 460.00
Misrun \$ _____
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ _____
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____
TOTAL \$ 460.00

WESTERN TESTING CO., INC.
Pressure Data

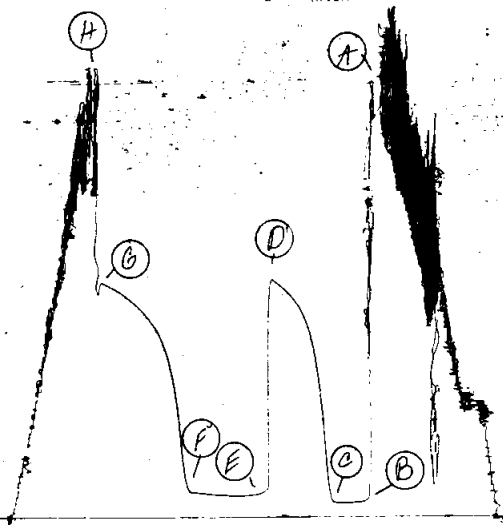
Date 8-17-79 Test Ticket No. 3389
 Recorder No. 2604 Capacity 4150 Location 4389 Ft.
 Lock No. _____ Elevation 1581 KB Well Temperature 128 °F
 Point _____ Pressure _____ Time Given _____ Time Computed _____
 1. Initial Hydrostatic Mud 2369 P.S.I. Open Tool 4:43 PM
 2. First Initial Flow Pressure 85 P.S.I. First Flow Pressure 30 Mins 30 Mins.
 3. First Final Flow Pressure 77 P.S.I. Initial Closed-in Pressure 45 Mins 45 Mins.
 4. Initial Closed-in Pressure 1288 P.S.I. Second Flow Pressure 60 Mins 20 Mins.
 5. Second Initial Flow Pressure 141 P.S.I. Final Closed-in Pressure 60 Mins 60 Mins.
 6. Second Final Flow Pressure 132 P.S.I.
 7. Final Closed-in Pressure 1272 P.S.I.
 8. Final Hydrostatic Mud 2342 P.S.I.

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Point Minutes	Point Minutes	Point Minutes	Point Minutes
1	0	0	0	0
2	5	3	5	3
3	10	6	10	6
4	15	9	15	9
5	20	12	20	12
6	25	15	25	15
7	30	18	30	18
8	35	21	35	21
9	40	24	40	24
10	45	27	45	27
11	50	30	50	30
12	55	33	55	33
13	60	36	60	36
14		39	65	39
15		42	70	42
16		45	75	45
17		48	80	48
18		51	85	51
19		54	90	54
20		57		57
		60		60

2500 4. 10-1-2

TKL # 2387
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Company MCCoy Petroleum Corporation Lease & Well No. Williams "C" #3
 Elevation 1581 Kelly Bushing Mississippi Effective Pay -- Ft. Ticket No. 3387
 Date 8/17/79 Sec 22 Twp 31S Range 8W County Harper State Kansas
 Test Approved by Robert E. McCann Western Representative Rod Tritt

Formation Test No. 2 Interval Tested from 4385 ft. to 4396 ft. Total Depth 4396 ft.
 Packer Depth 4380 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4385 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4389 ft. Recorder Number 2604 Cap 4150
 Bottom Recorder Depth (Outside) 4392 ft. Recorder Number 2606 Cap 4150
 Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Sweetman Drilling Drill Collar Length 270 I. D. 2 1/2 in.
 Mud Type starch Viscosity 47 Weight Pipe Length - I. D. - in.
 Weight 8.9 Water Loss 16.8 cc. Drill Pipe Length 4094 I. D. 3.8 in.
 Chlorides -- P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number -- Anchor Length 11 ft. Size 5 1/2 OD in.
 Did Well Flow? No 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 in 2 minutes on initial flow period. Strong blow on final flow in five minutes.
No gas to surface.

Recovered 50 ft. of oil and gas cut mud
 Recovered 60 ft. of oil and gas cut watery mud
 Recovered 60 ft. of oil cut muddy water
 Recovered 180 ft. of water
 Recovered 700 ft. of gas in pipe

Remarks: Hit tight spot at about 2475'-2500' feet. Had to spud tool to get into hole. Open tool on bridge going into hole.

Time Set	Packer(s)	Time Started Off Bottom	Maximum Temperature
	<u>4:43</u> <u>AM</u>	<u>7:52</u> <u>AM</u>	<u>128</u>
Initial Hydrostatic Pressure		<u>2369</u> (A)	<u>P.S.I.</u>
Initial Flow Period	<u>30</u> Minutes	<u>85</u> (B)	<u>P.S.I. to (C) 77 P.S.I.</u>
Initial Closed In Period	<u>45</u> Minutes	<u>1288</u> (D)	<u>P.S.I.</u>
Final Flow Period	<u>60</u> Minutes	<u>141</u> (E)	<u>P.S.I. to (F) 132 P.S.I.</u>
Final Closed In Period	<u>60</u> Minutes	<u>1272</u> (G)	<u>P.S.I.</u>
Final Hydrostatic Pressure		<u>2342</u> (H)	<u>P.S.I.</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 8/17/79 Test Ticket No. 3387
 Recorder No. 2604 Capacity 4150 Location 4389 Ft.
 Clock No. -- Elevation 1581 Kelly Bushing Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2369	P.S.I.	4:43P	M
B First Initial Flow Pressure	85	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	77	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	1288	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	141	P.S.I.	60	Mins. 60 Mins.
F Second Final Flow Pressure	132	P.S.I.		
G Final Closed-in Pressure	1272	P.S.I.		
H Final Hydrostatic Mud	2342	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 0	85	0	77	0	141	0	132
P 2 5	81	3	168	5	128	3	196
P 3 10	77	6	395	10	119	6	346
P 4 15	77	9	630	15	115	9	552
P 5 20	77	12	814	20	113	12	715
P 6 25	77	15	937	25	115	15	826
P 7 30	77	18	1015	30	115	18	903
P 8		21	1073	35	121	21	950
P 9		24	1119	40	121	24	1006
P10		27	1161	45	126	27	1040
P11		30	1190	50	128	30	1071
P12		33	1211	55	130	33	1094
P13		36	1233	60	132	36	1119
P14		39	1252			39	1144
P15		42	1270			42	1163
P16		45	1288			45	1182
P17						48	1200
P18						51	1218
P19						54	1236
P20						57	1254
						60	1272