

Conservation Division

PRODUCTION TEST & GOR REPORT 15077-20783-8000 Form G-5, Rev. 1/80

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company: McCoy Petroleum Corporation Lease: Gates "C" Well No. 1

County: Harper Location: C-NW-SE Section: 2 Township: 34S Range: 8W Acres:

Field: Wharton Pool Extension Reservoir: Ft. Scott, Miss Pipeline Connection: Koch - Peoples

Completion Date: 3-26-82 Type Completion(Describe): Perforations Plug Back T.D.: 4760' Packer Set At:

Production Method: Type Fluid Production: API Gravity of Liquid/Oil:

Flowing Pumping X Gas Lift Oil-Gas-SW

Casing Size: 4-1/2" Weight: 10.5# I.D.: 4795' Set At: 4487-4492' Perforations: 4698-4704' To: 4712-4717'

Tubing Size: 2-3/8" Weight: 4.7# I.D.: 4696' Set At: Perforations: To:

Pretest: Starting Date: 9-25-91 Time: 8:00 Ending Date: 9-26-91 Time: 8:00 Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure			Choke Size					
Casing:	Tubing:									
115	115	115			Open					
Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	200		3	2	63.46	3	6	70.14		6.68
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range			
Pipe Taps:	Flange Taps:		Differential:		Static Pressure:		
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester In. Water	Pressure In. Merc. Paig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3	1/2		90	7	.650	60
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coef. MCFD (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
1.214		25.09	1.240	1.000	1.000	1.000

Gas Prod. MCFD: 37.769 Oil Prod. Bbls./Day: 6.68 Gas/Oil Ratio (GOR) = 5.654 Cubic Ft. per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this 26 day of September 19 91

For Offset Operator

For State

RECEIVED

STATE CORPORATION COMMISSION

OCT 24 1991

CONSERVATION DIVISION
Wichita, Kansas

PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual Workover Reclassification		TEST DATE:	
Company: McCoy Petroleum Corporation		Lease: Gates "C"	
County: Harper		Well No.: 1	
Location: C-NW-SE		Section: 2	
Reservoir: Wharton Pool Extension		Township: 34S	
Range: 8W		Acres:	
Pipeline Connection: Koch - Peoples		Completion Date: 3-26-82	
Type Completion(Describe): Perforations		Plug Back T.D.: 4760'	
Production Method: Flowing		API Gravity of Liquid/Oil:	
Pumping X Gas Lift		Type Fluid Production: Oil-Gas-SW	
Casing Size: 4-1/2"	Weight: 10.5#	I.D.:	Set At: 4795'
Tubing Size: 2-3/8"	Weight: 4.7#	I.D.:	Set At: 4696'
Perforations: 4487-4492'		Perforations: 4698-4704'	
To: 4712-4717'		To:	

OIL PRODUCTION OBSERVED DATA									
Producing Wellhead Pressure			Separator Pressure				Choke Size		
Casing:	115#		Tubing:	120#		80#		Open	
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water Oil
Pretest:									
Test:	200		7	0	140.28	7	4	146.96	6.68
Test:									

GAS PRODUCTION OBSERVED DATA									
Orifice Meter Connections					Orifice Meter Range				
Pipe Taps:		Flange Taps:		Differential:			Static Pressure:		
Measuring Device	Run-Prover-Tester	Orifice Size	Meter-Prover	Tester Pressure	Diff. Press.	Gravity	Flowing		
	Size		In.Water	In.Merc.	Psig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)	
Orifice Meter	3	1/2			70	4	.650	60	
Critical Flow Prover									
Orifice Well Tester									

GAS FLOW RATE CALCULATIONS (R)						
Coeff. MCFD (Fb)(Fp)(OWTC)	Meter-Prover Press.(Pbia)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
1.214		16.73	1.240	1.000	1.000	1.000
Gas Prod. MCFD Flow Rate (R):	25.184	Oil Prod. Bbls./Day:	6.68	Gas/Oil Ratio (GOR) =	3.770	Cubic Ft. per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 2 day of Sept 19 93.

For Offset Operator _____ For State _____ For Company *[Signature]*

PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual Workover Reclassification **TEST DATE:**

Company McCoy Petroleum Corporation **Lease** Gates "C" **Well No.** 1

County Harper **Location** C-NW-SE **Section** 2 **Township** 34S **Range** 8W **Acres**

Field Wharton Pool Extension **Reservoir** Ft. Scott, Miss **Pipeline Connection** Koch - Peoples

Completion Date 3-26-82 **Type Completion(Describe)** Perforations **Plug Back T.D.** 4760' **Packer Set At**

Production Method: **Type Fluid Production** **API Gravity of Liquid/Oil**

Flowing Pumping X Gas Lift Oil-Gas-SW

Casing Size 4-1/2" **Weight** 10.5# **I.D.** **Set At** 4795' **Perforations** 4487-4492' **To** 4698-4704' **4712-4717'**

Tubing Size 2-3/8" **Weight** 4.7# **I.D.** **Set At** 4696' **Perforations** **To**

Pretest: **Duration Hrs.**

Starting Date **Time** **Ending Date** **Time**

Test: **Duration Hrs.**

Starting Date 6-1-94 **Time** 8:00 **Ending Date** 6-2-94 **Time** 8:00 **Duration Hrs.** 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure **Separator Pressure** **Choke Size**

Casing: 115# **Tubing:** 120# 80# **Open**

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	200		3	3	65.13	3	7	71.81		6.68
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections **Orifice Meter Range**

Pipe Taps: **Flange Taps:** **Differential:** **Static Pressure:**

Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure			Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
			In.Water	In.Merc.	Psig or (Pd)			
Orifice Meter	3	1/2			65	4	.650	60
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coef. (Fb)(Fp)(OWTC)	Meter-Prover Press.(Psia)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
1,214		16.12	1.240	1.0	1.0	1.0

Gas Prod. MCFD **Oil Prod. Bbls./Day:** 6.68 **Gas/Oil Ratio (GOR) =** 3,632 **Cubic Ft. per Bbl.**

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 2 day of June 1994.

S.P. Hill

For Offset Operator

For State

For Company

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company: McCoy Petroleum Corporation Lease: Gates "C" Well No.: 1

County: Harper Location: C-NW-SE Section: 2 Township: 34S Range: 8W Acres:

Field: Wharton Pool Extension Reservoir: Ft. Scott, Miss Pipeline Connection: Koch - Peoples

Completion Date: 3-26-82 Type Completion(Describe): Perforations Plug Back T.D.: 4760' Packer Set At:

Production Method: Flowing Pumping X Gas Lift Type Fluid Production: Oil-Gas-SW API Gravity of Liquid/Oil:

Casing Size: 4-1/2" Weight: 10.5# I.D.: Set At Perforations: 4795' 4487-4492' 4698-4704' To: 4712-4717'

Tubing Size: 2-3/8" Weight: 4.7# I.D.: Set At Perforations: 4696' To:

Pretest: Starting Date: Time: Ending Date: Time: Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure		Choke Size					
Casing:	115#	Tubing:	115#		Open				
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	200	5	1	101.87	5	3-1/2	106.05		4.18
Test:									

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range					
Pipe Taps:	Flange Taps:	Orifice	Meter-Prover-Tester		Differential:	Static Pressure:		
Measuring Device	Run-Prover-Tester	Size	In.Water	In.Merc.	Paig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3	1/2			40	2.5	.650	60
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (Fb)(Fp)(OWTC)	Meter-Prover Press.(Psia)(Pm)	Extension √hw x Pm	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
1.214		10	1.240	1.000	1.000	1.000

Gas Prod. MCFD Flow Rate (R): 15,053 Oil Prod. Bbls./Day: 4.18 Gas/Oil Ratio (GOR) = 3,601 Cubic Ft. per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this 2nd day of October 19 95

For Offset Operator

For State

For Company

INSERVATION DIVISION WICHITA KANSAS

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: _____

Company: McCoy Petroleum Corporation Lease: Gates "C" Well No.: 1

County: Harper Location: C-NW-SE Section: 2 Township: 34S Range: 8W Acres: _____

Field: Wharton Pool Extension Reservoir: Ft. Scott, Miss Pipeline Connection: Koch - Peoples

Completion Date: 3-26-82 Type Completion(Describe): Perforations Plug Back T.D.: 4760' Packer Set At: _____

Production Method: _____ Type Fluid Production: _____ API Gravity of Liquid/Oil: _____

Flowing: _____ Pumping: _____ X Gas Lift: _____ Oil-Gas-SW: _____

Casing Size	Weight	I.D.	Set At	Perforations	To
4-1/2"	10.5#		4795'	4487-4492'	4698-4704'
Tubing Size	Weight	I.D.	Set At	Perforations	To
2-3/8"	4.7#		4696'		

Pretest: _____ Duration Hrs.: _____

Starting Date	Time	Ending Date	Time	Duration Hrs.
9-1-96	8:00 AM	9-2-96	8:00 AM	24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size				
Casing: 80#	Tubing: 80#		65#		Open					
Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	200		6	2	123.58	6	6	130.26		6.68
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range			
Pipe Taps:	Flange Taps:		Differential:		Static Pressure:		
Measuring Device	Run-Prover-Tester	Orifice Size	Meter-Prover-Tester	Pressure	Diff. Press.	Gravity	Flowing
Orifice Meter	3	1/2	In.Water	In.Merc. Paig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (Fb)(Fp)(OWTC)	Meter-Prover Press.(Psia)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
1.214		10	1.240	1.000	1.000	1.000

Gas Prod. MCFD Flow Rate (R): 15,053 Oil Prod. Bbls./Day: 6.68 Gas/Oil Ratio (GOR) = 2,253 Cubic Ft. per Bbl. _____

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 2 day of Sept 19 96.

RECEIVED
STATE CORPORATION COMMISSION

[Signature]

For Offset Operator

For State

For Company

OCT 10 1996

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company: McCoy Petroleum Corporation Lease: Gates "C" Well No.: 1

County: Harper Location: C-NW-SE Section: 2 Township: 34S Range: 8W Acres:

Field: Wharton Pool Extension Reservoir: Ft. Scott, Miss Pipeline Connection: Koch - Peoples

Completion Date: 3-26-82 Type Completion(Describe): Perforations Plug Back T.D.: 4760' Packer Set At:

Production Method: Flowing Type Fluid Production: Oil-Gas-SW API Gravity of Liquid/Oil:

Casing Size: 4-1/2" Weight: 10.5# I.D.: Set At Perforations: 4487-4492' To: 4698-4704' 4712-4717'

Tubing Size: 2-3/8" Weight: 4.7# I.D.: Set At Perforations: 4696' To:

Retest: Starting Date: 9-1-97 Time: 8:00 AM Ending Date: 9-2-97 Time: 8:00 AM Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size				
Casing:	50	Tubing:	50	50			Open			
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.		
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	200		5	1	101.87	5	4	106.88		5.01
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range				
Pipe Taps:	Flange Taps:		Differential:		Static Pressure:		
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-In.Water	Tester Pressure In.Merc.	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3	1/2			35	2.5	60
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press.(Psa)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
1.214		9.35	1.240	1.000	1.000	1.000

Gas Prod. MCFD: 14,075 Oil Prod. Bbls./Day: 5.01 Gas/Oil Ratio (GOR) = 2,809 Cubic Ft. per Bbl.:

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 2 day of Sept, 1997.

RECEIVED
KANSAS CORPORATION COMMISSION

For Offset Operator

For State

For Company

NOV 19 1997

**STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & GOR REPORT**

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: _____

Company McCoy Petroleum Corp. Lease Gates "C" Well No. 1

County Harper Location C NW SE Section 2 Township 34S Range 8W Acres _____

Field Wharton East Extension Ft. Scott, Miss Reservoir _____ Pipeline Connection Koch-Northern Peoples

Completion Date 3-26-82 Type Completion(Describe) Perforations Plug Back T.D. 4760 Packer Set At _____

Production Method: _____ Type Fluid Production _____ API Gravity of Liquid/Oil _____

Flowing Pumping Gas Lift _____ Oil-Gas-SW _____

Casing Size 4½ Weight 10.5 I.D. _____ Set At _____ Perforations _____ To _____

Tubing Size 2-3/8 Weight 4.7 I.D. _____ Set At _____ Perforations _____ To _____

Pretest: _____ Duration Hrs. _____

Starting Date _____ Time _____ Ending Date _____ Time _____

Test: _____ Duration Hrs. _____

Starting Date 11-1-89 Time 8:00 Ending Date 11-2-89 Time 8:00 Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size				
Casing:	<u>130</u>	Tubing:	<u>130</u>	<u>115</u>		<u>Open</u>				
Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	<u>200</u>		<u>3</u>	<u>1</u>	<u>61.79</u>	<u>3</u>	<u>6</u>	<u>70.14</u>		<u>8.35</u>
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range			
Pipe Taps:	Flange Taps:		Differential:		Static Pressure:		
Measuring Device	Run-Prover-Tester	Orifice Size	Meter-Prover-In.Water	Tester Pressure In.Merc.	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	<u>3</u>	<u>1/2</u>			<u>105</u>	<u>8</u>	
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press.(Psla)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
<u>1.214</u>		<u>28.98</u>	<u>1.240</u>	<u>1.000</u>	<u>1.000</u>	<u>1.000</u>

Gas Prod. MCFD _____ Oil Prod. Bbls./Day: 8.35 Gas/Oil Ratio (GOR) = 5224 Cubic Ft. per Bbl. _____

Flow Rate (R): 43,625

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 2 day of November 1989

For Offset Operator _____ For State _____ For Company [Signature]

STATE RECEIVED
CORPORATION COMMISSION
NOV 1 1990
CONSERVATION DIVISION