

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company McCoy Petroleum Corporation Lease Gates "D" Well No. 1

County Harper Location C-NE-SW Section 2 Township 34S Range 8W Acres

Field Wharton Pool Reservoir Mississippian Pipeline Connection Koch - Peoples

Completion Date 1-10-83 Type Completion(Describe) Perforations Plug Back T.D. 4728' Packer Set At

Production Method: Type Fluid Production API Gravity of Liquid/Oil 33

Flowing	Pumping X	Gas Lift	Oil-Gas-SW		
Casing Size	Weight	I.D.	Set At	Perforations	To
4-1/2"	10.5#		4758'	4644-4646'	4658-4664'
Tubing Size	Weight	I.D.	Set At	Perforations	To
2-3/8"	4.7#		4722'	4667-4672'	4700-4706'

Pretest: Starting Date 10-14-91 Time 8:00 Ending Date 10-15-91 Time 8:00 Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure	Separator Pressure	Choke Size		
Casing: 105 Tubing: 105	95	Open		
Ubls./In.	Tank	Starting Gauge	Ending Gauge	Net Prod. Bbls.
	Size Number	Feet Inches Barrels	Feet Inches Barrels	Water Oil
Pretest:				
Test:	200	8 1 161.99	8 2 163.66	1.67
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 In.Water In.Merc. Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3	1/2		90	2.0	.650 60
Critical Flow Prover						
Orifice Well Tester						

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (Fb)(Fp)(OWTC)	Meter-Prover Press. (Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
1.214		13.41	1.240	1.000	1.000	1.000

Gas Prod. MCFD Flow Rate (R): 20.186 Oil Prod. Bbls./Day: 1.67 Gas/Oil Ratio (GOR) = 12.087 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 15 day of October 19 91

For Offset Operator For State CORPORATION COMMISSION For Company

RECEIVED *[Signature]*

OCT 24 1991

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company Lease Well No.

McCoy Petroleum Corporation Gates "D" 1

County Location Section Township Range Acres

Harper C-NE-SW 2 34S 8W

Field Reservoir Pipeline Connection

Wharton Pool Mississippian Koch - Peoples

Completion Date Type Completion(Describe) Plug Back T.D. Packer Set At

1-10-83 Perforations 4728'

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

Flowing Pumping X Gas Lift Oil-Gas-SW 33

Casing Size Weight I.D. Set At Perforations To

4-1/2" 10.5# 4758' 4644-4646' 4658-4664'

Tubing Size Weight I.D. Set At Perforations To

2-3/8" 4.7# 4722' 4667-4672' 4700-4706'

Pretest: Duration Hrs.

Starting Date Time Ending Date Time

Test: Duration Hrs.

Starting Date Time Ending Date Time

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure Separator Pressure Choke Size

Casing: Tubing:

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:							PLUGGED	12-7-95		
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								
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. (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)

Gas Prod. MCFD Flow Rate (R): Oil Prod. Bbls./Day: Gas/Oil Ratio (GOR) = 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 9th day of Oct 19 96

RECEIVED STATE CORPORATION COMMISSION

[Signature]

For Offset Operator

For State

For Company

OCT 10 1996

PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: <u>Initial</u> <u>Annual</u> <u>Workover</u> <u>Reclassification</u>		TEST DATE: _____	
Company: <u>McCoy Petroleum Corporation</u>		Lease: <u>Gates "D"</u>	
County: <u>Harper</u>		Well No.: <u>1</u>	
Location: <u>C-NE-SW</u>	Section: <u>2</u>	Township: <u>34S</u>	Range: <u>8W</u>
Field: <u>Wharton Pool</u>		Reservoir: <u>Mississippian</u>	
Completion Date: <u>1-10-83</u>		Type Completion (Describe): <u>Perforations</u>	
Production Method: <u>Flowing</u> <u>Pumping X</u> <u>Gas Lift</u>		Type Fluid Production: <u>Oil-Gas-SW</u>	
Casing Size: <u>4-1/2"</u>		API Gravity of Liquid/Oil: <u>33</u>	
Weight: <u>10.5#</u>	I.D.: _____	Set At: <u>4758'</u>	Perforations: <u>To 4644-4646'</u> <u>To 4658-4664'</u>
Tubing Size: <u>2-3/8"</u>	Weight: <u>4.7#</u>	I.D.: _____	Set At: <u>4722'</u>
Plug Back T.D.: <u>4728'</u>		Packer Set At: _____	

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

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure				Choke Size				
Casing:		Tubing:								
Bbls./In.	Tank		Starting Gauge		Ending Gauge		Net Prod. Bbls.			
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:										
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)
Orifice Meter							
Critical Flow Prover					TO BE PLUGGED		
Orifice Well Tester					CP-1 IS FILED		

GAS FLOW RATE CALCULATIONS (R)

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

Gas Prod. MCFD _____ Oil Prod. Bbls./Day: _____ Gas/Oil Ratio (GOR) = _____ 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 24 day of Oct 1985

For Offset Operator

For State

For Company

PRODUCTION TEST & GOR REPORT

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Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: _____

Company Lease Gates "D" Well No. _____

McCoy Petroleum Corporation

Gates "D"

1

County Location Section Township Range Acres

Harper

C-NE-SW

2

34S

8W

Field Reservoir Pipeline Connection

Wharton Pool

Mississippian

Koch - Peoples

Completion Date Type Completion(Describe) Plug Back T.D. Packer Set At

1-10-83

Perforations

4728'

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

Flowing Pumping X Gas Lift Oil-Gas-SW 33

Casing Size Weight I.D. Set At Perforations To

4-1/2"

10.5#

I.D.

4758'

4644-4646'

4658-4664'

Tubing Size Weight I.D. Set At Perforations To

2-3/8"

4.7#

I.D.

4722'

4667-4672'

4700-4706'

Retest: Duration Hrs. _____

Starting Date Time Ending Date Time

Test: Duration Hrs. _____

Starting Date 6-15-94 Time 8:00 Ending Date 6-16-94 Time 8:00 Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure Separator Pressure Choke Size

Casing: 110# Tubing: 110# 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		4	10	96.86	4	11	98.53		1.67
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	2	.650	60
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. (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		11.40	1.240	1.0	1.0	1.0

Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft. per Bbl.

Flow Rate (R): 17,167 Bbls./Day: 1.67 (GOR) - 10,276

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 16 day of June 19 94

For Offset Operator

For State

[Signature]
For Company

PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual Workover Reclassification		TEST DATE:	
Company McCoy Petroleum Corporation			Lease Gates "D"
Well No. 1			
County Harper	Location C-NE-SW	Section 2	Township 34S Range 8W
Field Wharton Pool		Reservoir Mississippian	Pipeline Connection Koch - Peoples
Completion Date 1-10-83	Type Completion(Describe) Perforations	Plug Back T.D. 4728'	Packer Set At
Production Method: Flowing Pumping X Gas Lift		Type Fluid Production Oil-Gas-SW	API Gravity of Liquid/Oil 33
Casing Size 4-1/2"	Weight 10.5#	I.D.	Set At 4758'
Tubing Size 2-3/8"	Weight 4.7#	I.D.	Set At 4722'
Perforations 4644-4646'		To 4658-4664'	
Perforations 4667-4672'		To 4700-4706'	
Pretest:			Duration Hrs.
Starting Date	Time	Ending Date	Time
Test:			Duration Hrs.
Starting Date 3-1-93	Time 8:00	Ending Date 3-2-93	Time 8:00
			Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size				
Casing: 105#	Tubing: 110#		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		4	4	86.84	4	5	88.51		1.67
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			70	2	.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		11.83	1.240	1.000	1.000	1.000
Gas Prod. MCFD Flow Rate (R): 17.808	Oil Prod. Bbls./Day: 1.67	Gas/Oil Ratio (GOR) = 10.664	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 March 1993

For Offset Operator

For State

[Signature]
For Company

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

N.P

Conservation Division

Form C-5 Revised

TYPE TEST: <u>Initial</u> <u>Annual</u> <u>Workover</u> <u>Reclassification</u>		TEST DATE:	
Company: <u>McCoy Petroleum Corp.</u>			Lease: <u>Gates "D"</u>
County: <u>Wharton Pool</u>	Location: <u>C NE SW</u>	Section: <u>2</u>	Township: <u>34S</u> Range: <u>8W</u>
Field: <u>Harper</u>	Reservoir: <u>Mississippian</u>	Pipeline Connection: <u>Koch - Peoples</u>	
Completion Date: <u>12-6-82</u>	Type Completion(Describe): <u>Miss - Ft Scott</u>	Plug Back T.D.: <u>Float @ 4733'</u>	Packer Set At:
Production Method: <u>Flowing</u> <u>Pumping</u> <u>X Gas Lift</u>	Type Fluid Production: <u>Oil-Gas-SW</u>	API Gravity of Liquid/Oil: <u>33</u>	
Casing Size: <u>4½</u>	Weight: <u>10.5</u>	I.D.: <u>Set At</u>	Perforations: <u>To 4658-72</u>
Tubing Size: <u>2-3/8</u>	Weight: <u>4.7</u>	I.D.: <u>Set At</u>	Perforations: <u>To 4676-80</u>

Pretest: Starting Date	Time	Ending Date	Time	Duration Hrs.
Test: Starting Date	Time	Ending Date	Time	Duration Hrs.
6-3-89	8:00	6-4-89	8:00	24

OIL PRODUCTION OBSERVED DATA									
Producing Wellhead Pressure			Separator Pressure				Choke Size		
Casing:		Tubing:		Starting Gauge		Ending Gauge		Net Prod. Bbls.	
Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	200	3	4	66.80	3	4-3/4	68.05		1.25
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 In. Water	Pressure In. Merc.	Paig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3	1/2				105	1	65.0	60
Critical Flow Prover									
Orifice Well Tester									

GAS FLOW RATE CALCULATIONS (R)						
Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)	Extension (Fm)	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
1.214		10.25	1.240	1.000	1.000	

Gas Prod. MCFD: 15,429 Oil Prod. Bbls./Day: 1.25 Gas/Oil Ratio (GOR) = 12,343 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 4 day of June 1989

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