

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

JUN 1 1987

Conservation Division

15-189-21190-0000

Form C-5 Revised

TEST: Initial Annual Workover Reclassification TEST DATE: 6-4-87
 Lease: Mobil Oil Corp. Oyster Well No. 2

County: Steven's Location: 1/2-SE-NE Section: 15 Township: 33 Range: 35 W Acres:
 Field: unnamed Reservoir: L. Chester Pipeline Connection:

Completion Date: 2-3-87 Type Completion (Describe): Single Plug Back T.D.: 6334 Packer Set At:

Production Method: Oil-Gas-saltwater Type Fluid Production API Gravity of Liquid/Oil: 44
 Flowing Pumping Gas Lift Casing Size: 5 1/2 Weight: 14 I.D.: 6404 Set At Perforations: 6231 To: 6242
 Tubing Size: 2 3/4 Weight: I.D.: 6334 Set At Perforations: To:

Pretest: Starting Date 6-2-87 Time 9:00 A.M Ending Date 6-3-87 Time 9:00 P.M Duration Hrs. 24
 Test: Starting Date 6-3-87 Time 9:00 A.M Ending Date 6-4-87 Time 9:00 A.M Duration Hrs. 24

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:	300 15196	8'	4"	167	9	2.25	184.12	1.5	17
Test:	300 15196	9'	2.25	184.12	10	.250	200.8	0	17
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 (Psig)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter						
Critical Flow Prover						
Orifice Well Tester	2"	.250			.702	

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia) (Pm)	Extension $\sqrt{hw \times Fm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
1.115	35.4		1.194			

Gas Prod. MCFD: 47 Oil Prod. Bbls./Day: 17 Gas/Oil Ratio (GOR) = 2764.7 Cubic Ft. per Bbl.

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 4th day of June 1987

For Offset Operator: Glenn L. Barlow For State: Ray Roberts For Company:

STATE OF KANSAS - CORPORATION COMMISSION

PRODUCTION TEST & GOR REPORT

MAR 1 1989

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 2-24-89

By Mobil Oil Corp. Lease Oxley Well No. 2

County Stevens Location NE-NE Section 15 Township 33 S Range 35 W Acres

Field Northwoods Reservoir Chester Pipeline Connection ENRON

Completion Date 7-21-88 Type Completion (Describe) Single Plug Back T.D. 6374 Packer Set At —

Production Method: Flowing Type Fluid Production Oil & Gas & Saltwater API Gravity of Liquid/Oil 46.2

Casing Size	Weight	I.D.	Set At	Perforations	To
<u>5 1/2</u>	<u>14</u>		<u>6400</u>	<u>6216</u>	<u>6234</u>
Tubing Size	Weight	I.D.	Set At	Perforations	To
<u>2 3/8</u>			<u>6272</u>		

Pretest: Starting Date 2-22-89 Time 9:00 A.M. Ending Date 2-23-89 Time 9:00 A.M. Duration Hrs. 24

Test: Starting Date 2-23-89 Time 9:00 A.M. Ending Date 2-24-89 Time 9:00 A.M. Duration Hrs. 21

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure 70 Separator Pressure 65 Choke Size 70

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
<u>1.67</u>										
Pretest:	<u>300</u>	<u>15421</u>	<u>8'</u>	<u>9.75"</u>	<u>176.6</u>	<u>9</u>	<u>11.5</u>	<u>199.5</u>	<u>0</u>	<u>23</u>
Test:	<u>300</u>	<u>15421</u>	<u>9</u>	<u>11.5</u>	<u>199.5</u>	<u>10</u>	<u>2"</u>	<u>203.7</u>	<u>0</u>	<u>4 } 24</u>
Test:	<u>300</u>	<u>15421</u>	<u>1</u>	<u>5'</u>	<u>28</u>	<u>2</u>	<u>4.75</u>	<u>48</u>	<u>0</u>	<u>20 }.</u>

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections: Flange Taps: ✓ Orifice Meter Range: Differential: Static Pressure:

Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover Tester Pressure In. Water	Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	<u>3"</u>	<u>1.00</u>	<u>86.9</u>	<u>86.9</u>	<u>13.4</u>	<u>.710</u>	<u>43</u>
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)	MCFD (Fp)	Meter-Prover Press. (Psia)	Extension (Pm)	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
<u>4.912</u>	<u>101.3</u>	<u>101.3</u>	<u>36.84</u>	<u>1.187</u>	<u>1.017</u>	<u>1.000</u>	

Gas Prod. MCFD 218 Oil Prod. Bbls./Day: 24 Gas/Oil Ratio (GOR) = 9.083 Cubic Ft. per Bbl.

I, 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 24th day of February 1989

For Offset Operator Albert T. Kupfer For State Ray Roberts For Company