

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TEST: Initial Annual Workover Reclassification TEST DATE:

Company: Mobil Oil Corp. Lease: Hitch Cattle Well No. #1

County: Stevens Location: SE SW SW Section: 18 Township: 32N Range: 35- Acres: 10

Field: Wildcat Reservoir: Lower Morrow Pipeline Connection: \_\_\_\_\_

Completion Date: 2-6-86 Type Completion(Describe): Single Plug Back T.D.: 6080 Packer Set At: 5700

Production Method: Pumping Type Fluid Production: Oil, Saltwater & Gas API Gravity of Liquid/Oil: 45.4

Casing Size: 5 1/2 Weight: 15.5 I.D.: \_\_\_\_\_ Set At: 6378 Perforations: 6014 To: 6026

Tubing Size: 2 3/4 Weight: \_\_\_\_\_ I.D.: \_\_\_\_\_ Set At: 5894 Perforations: \_\_\_\_\_ To: \_\_\_\_\_

Pretest: Starting Date 6-4-86 Time 10:00 A.M. Ending Date 6-5-86 Time 10:00 Duration Hrs. \_\_\_\_\_

Test: Starting Date 6-5-86 Time 11 Ending Date 6-6-86 Time 11 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:	300	15095	6	6.75	131.51	6	8.0	133.6	0	2
Test:	300	15095	6	8.0	133.6	6	9.25	135.7	0	2
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections		Orifice Meter Range					
Pipe Taps:	Flange Taps:	Differential:		Static Pressure:			
Measuring Device	Orifice Tester Size	Meter-Prover Size	Tester Pressure In. Water	Tester Pressure In. Merc.	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter							
Critical Flow Prover	2"	.25			3.5		
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)
1.115		—	1.213	1.000		

Gas Prod. MCFD: 24 mcf/d Oil Prod. Bbls./Day: 2 Gas/Oil Ratio (GOR) = 12000 • Cubic Ft. per Bbl.

I, Glen R. Barber, 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 6th day of June 1986

For Offset Operator: \_\_\_\_\_ For State: \_\_\_\_\_ For Company: Roy Robert

JUL 14 1986

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Field: Wildcat Reservoir: Lower Morrow Pipeline Connection: \_\_\_\_\_

Completion Date: 2-6-86 Type Completion(Describe): Single Plug Back T.D.: 6080 Packer Set At: 5900

Production Method: Pumping Type Fluid Production: Oil & Solution Gas API Gravity of Liquid/Oil: 454

Flowing Casing Size: 5 1/2 Weight: 15.5 I.D.: \_\_\_\_\_ Set At: 6378 Perforations: 6014 To: 6026

Tubing Size: 2 3/8 Weight: \_\_\_\_\_ I.D.: \_\_\_\_\_ Set At: 5894 Perforations: \_\_\_\_\_ To: \_\_\_\_\_

Pretest: Starting Date: 6-4-86 Time: 10:00 A.M. Ending Date: 6-5-86 Time: 10:00 Duration Hrs. \_\_\_\_\_

Test: Starting Date: 6-5-86 Time: 11 Ending Date: 6-6-86 Time: 11 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:	300	15095	6	6.75	131.51	6	8.0	133.6	0	2
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Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range					
Pipe Taps:	Flange Taps:		Differential:		Static Pressure:			
Measuring Device	Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure		Diff. Press.	Gravity	Flowing	
			In. Water	In. Merc.	Psig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)
Orifice Meter								
Critical Flow Prover	2"	.25			3.5			
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coef. MCFD (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		—	1.213	1.000		

Gas Prod. MCFD: \_\_\_\_\_ Oil Prod. Bbls./Day: 2 Gas/Oil Ratio (GOR) = 12000 • 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 6<sup>th</sup> day of June 1986

For Offset Operator

For State

For Company

JUL 14 1986