

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TEST: Initial Annual Workover Reclassification TEST DATE: 1-22-86

Company: Mobil Oil Corp. Lease: Grant Marcell Well No. #1

County: Stevens Location: NW NW NW Section: 23 Township: 32S Range: 36 Acres: [blank]

Field: Wildcat Reservoir: Morrow Pipeline Connection: Northern Natural

Completion Date: 9-12-85 Type Completion(Describe): Single Plug Back T.D.: 6044 Packer Set At: 5877

Production Method: Type Fluid Production: Oil & Saltwater & Gas API Gravity of Liquid/Oil: 41.4

Casing: Pumping Gas Lift
 Casing Size: 5 1/2 Weight: 15.5 I.D.: [blank] Set At: 1546 Perforations: 5960 To: 6004

Tubing: [blank]
 Tubing Size: 2 7/8 Weight: [blank] I.D.: [blank] Set At: [blank] Perforations: [blank] To: [blank]

Pretest: Starting Date 1-22-86 Time 9:00 AM Ending Date 1-22-86 Time 9:00 AM Duration Hrs. 21

Test: Starting Date 1-22-86 Time 9:00 AM Ending Date 1-23-86 Time 9:00 AM Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size			
Casing:	Tubing:	7.15			100	2"	Full open		
Bhls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbbs.	
	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	300 15020	10	5.5	209	11	5.25	229	0	20
Test:	300 15020	11	5.25	229	12	6.125	251	0	22
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.	Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3"	1.25	9"		67.2		.681	
Critical Flow Prover								
Orifice Well Tester								

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)
7.771	81.6	2.45	1.212			

Gas Prod. MCFD: 231 Oil Prod. Bbbs./Day: 10500 Gas/Oil Ratio (GOR) = 10500 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 22nd day of January 1986

John R. Barber For State
 Ray P. [Signature] For Company