

STATE OF KANSAS - CORPORATION COMMISSION

PRODUCTION TEST & GOR REPORT

15-175-20860-0000

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 8/13/85

Company Anadarko Lease Powell Well No. 2

County Seward Location C SW NW Section 26 Township 34 S Range 34 W Acres 80

Field W. Liberal Reservoir St. Louis Pipeline Connection J.M. Petroleum Corp. - Oil

Completion Date 8-6-85 Type Completion(Describe) Single Oil Plug Back T.D. 6639 Packer Set At

Production Method: Type Fluid Production Oil & Water API Gravity of Liquid/Oil 43.4 @ 60

Flowing Pumping Gas Lift Casing Size 4.500 Weight 10.5 I.D. Set At 6659 Perforations 6560 To 6568

Tubing Size 2.375 Weight 4.7 I.D. 1.995 Set At 6497 Perforations To

Pretest: Starting Date 8-12-85 Time 10:00 Ending Date 8-13-85 Time 9:00 Duration Hrs. 23

Test: Starting Date 8-13-85 Time 9:00 Ending Date 8-14-85 Time 9:00 Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure				Separator Pressure				Choke Size		
Casing: 1040		Tubing: 140		30				1 7/8		
Bbls./In.	Tank		Starting Gauge		Ending Gauge			Net Prod. Bbls.		
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	300	North	4	10	96.86	5	9	115.23		
	300	South	4	4	86.84	13	9 1/4	275.97	0	207.50
Test:	300	North	5	9	115.23	14	4	287.24		172.01
Test:	300	South	4	1 1/2	82.67	6	6	130.26	0	47.59

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range				
Pipe Taps:		Flange Taps:		Differential: 100" Hg		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	2	.750		5				60
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)
			$\sqrt{hw \times Pm}$				
120				.9258	1.000	—	—

Gas Prod. MCFD Flow Rate (R): 111 Oil Prod. Bbls./Day: 220 Gas/Oil Ratio (GOR) = 505 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 14 day of August 19 85

For Offset Operator: *Glen R. Barber* For State: For Company: *Fred H. Cross*

AUG 20 1985