

STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & GOR REPORT

Conservation Division Y Form C-5 Revised
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE: SEPT-4-97
 Company ANADARKO PETRO. CORP. Lease RAY Well No. C-2
 County HASKELL KS Location 660A N L 510 P E L Section 21 Township 29S Range 34W Acres
 Field SUBANK Reservoir BASALCHESTER Pipeline Connection P. E. P. L.
 Completion Date 2/96 Type Completion (Describe) SINGLE OIL Plug Back T.D. 5536' Packer Set At
 Production Method: Pumping Type Fluid Production OIL + WATER API Gravity of Liquid/Oil 39.6 @ 60°
 Flowing Casing Size 5.5" Weight 15.5# I.D. 4.950" Set At 5578' Perforations 5371' To 5448'
 Tubing Size 2.375" Weight 4.7# I.D. 1.995" Set At 5358' Perforations To

Pretest: Starting Date SEPT-2-97 Time 9:00 AM Ending Date SEPT-3-97 Time 9:00 AM Duration Hrs. 24
 Test: Starting Date SEPT-3-97 Time 9:00 AM Ending Date SEPT-4-97 Time 9:00 AM Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure		Choke Size			
Casing: <u>120</u>	Tubing: <u>120</u>	<u>80</u>		<u>WIDE OPEN</u>			
Bbls./In.	Tank	Starting Gauge		Ending Gauge		Net Prod. Bbls.	
	Size Number	Feet	Inches	Feet	Inches	Water	Oil
Pretest:	<u>300 28601</u>	<u>5</u>	<u>0.75</u>	<u>101.45</u>	<u>6</u>	<u>121.93</u>	<u>3 20.46</u>
Test:	<u>300 28601</u>	<u>6</u>	<u>1</u>	<u>121.93</u>	<u>7</u>	<u>2.25 144.03</u>	<u>3 22.10</u>
Test:							

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range					
Pipe Taps: <u>Flange Taps: X</u>	Differential: <u>0-100</u>		Static Pressure: <u>0-500</u>					
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure		Diff. Press.	Gravity	Flowing Temp.	
			In. Water	In. Merc.	Poig or (Pd)	(hw) or (hd)	Gas (Gr)	(t)
Orifice Meter	<u>4</u>	<u>1.5"</u>			<u>40</u>	<u>7.3</u>	<u>1650</u>	<u>60</u>
Critical Flow Prover						<u>10-24-97</u>		
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)
<u>11.12</u>	<u>54.4</u>	<u>19.92</u>	<u>1.240</u>	<u>1.0</u>	<u>1.0</u>	<u>-</u>
Gas Prod. MCFD	Oil Prod. Bbls./Day:	Gas/Oil Ratio (GOR) =	Cubic Ft. per Bbl.			
Flow Rate (R): <u>275</u>	<u>2.2</u>	<u>12,500</u>				

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 SEPT 1997

For Offset Operator Ray Winters For State Eugene J. Travis For Company