

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 9-10-93
 Company ANADARKO PETROLEUM Lease HANKE Well No. A-1
 County STEVENS Location 660 FNL + 2310 FWL Section 13 Township 31 Range 35 Acres
 Field LAHEY Reservoir MORROW Pipeline Connection
 Completion Date 8-28-93 Type Completion (Describe) OIL Plug Back T.D. 5670 Packer Set At
 Production Method: Type Fluid Production OIL API Gravity of Liquid/Oil 41.4
 Flowing Pumping Gas Lift
 Casing Size 5.500 Weight 15.500 I.D. 4.950 Set At 5900 Perforations 5364 To 5372
 Tubing Size 2.375 Weight 4.70 I.D. 1.995 Set At 5368 Perforations N.A. To N.A.
 Pretest: Starting Date 9-9-93 Time 9:30 AM Ending Date 9-10-93 Time 9:30 AM Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure			Choke Size				
Casing: <u>18#</u>	Tubing: <u>18#</u>	<u>18</u>							
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:		<u>3</u>	<u>7</u>	<u>71.81</u>	<u>4</u>	<u>7.250</u>	<u>164.07</u>	<u>0</u>	<u>92.26</u>
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 In. Water	Tester Pressure In. Merc.	Pressure Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter								
Critical Flow Prover	<u>2"</u>	<u>0.500</u>			<u>18</u>			<u>60</u>
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)
			$\sqrt{hw \times Pm}$				
							<u>11-12-93</u>

Gas Prod. MCFD 154 Oil Prod. Bbls./Day: 92.26 Gas/Oil Ratio (GOR) = 1.679 Cubic Ft. per Barrel

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 10th day of SEPTEMBER 1993

For Offset Operator James P. Carr For State John S. Baker For Company
 CONSERVATION DIVISION
 Wichita, Kansas