

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 05-21-91
 Company Amadarko Petroleum Corp. Lease U.S.A. Well No. R-1
 County Morton Location 1390 ESL & 1250 FWL Section 35 Township 32 Range 40 Acres
 Field Stirrup Reservoir Upper Morrow D. Pipeline Connection J.M. Petroleum
 Completion Date 10-18-89 Type Completion (Describe) Single Gas Plug Back T.D. 5394 Packer Set At None
 Production Method: Flowing Type Fluid Production Oil & Water API Gravity of Liquid/Oil 41.5 @ 60°
 Casing Size 4.50 Weight 11.6 I.D. 4.00 Set At 5394 Perforations 5254 To 5266
 Tubing Size 2.375 Weight 4.70 I.D. 1.995 Set At 5230 Perforations To

Pretest: Starting Date 05-20-91 Time 8:30 AM Ending Date 05-21-91 Time 8:30 AM Duration Hrs. 24
 Test: Starting Date 05-20-91 Time 8:30 AM Ending Date 05-21-91 Time 8:30 AM Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure				Separator Pressure				Choke Size	
Casing: <u>45</u>		Tubing: <u>45</u>							
Bbls./In.	Tank	Starting Gauge		Ending Gauge			Net Prod. Bbls.		
	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	<u>300 Flat East</u>	<u>3</u>	<u>3</u>	<u>64.03</u>	<u>3</u>	<u>8 1/2</u>	<u>73.19</u>		<u>9.16</u>
Test:	<u>210 FG Water Tank</u>	<u>2</u>	<u>10</u>		<u>2</u>	<u>10</u>		<u>-0-</u>	

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range					
Pipe Taps:		Flange Taps: <input checked="" type="checkbox"/>		Differential: <u>100</u>		Static Pressure: <u>250</u>			
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	<u>3</u>	<u>1.000</u>				<u>68.0</u>	<u>21.7</u>	<u>.744</u>	<u>60</u>
Critical Flow Prover	<u>2</u>	<u>3/8</u>				<u>17</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>4.912</u>	<u>82.4</u>	<u>42.286</u>	<u>1.159</u>	<u>1.000</u>	<u>1.000</u>	<u>-</u>

Gas Prod. MCFD 324 Oil Prod. Bbls./Day: 9.16 Gas/Oil Ratio (GOR) = 35.371 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 21st day of May 1991

For Offset Operator James R. Rapp For State RECEIVED For Company James R. Rapp

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

OPERATOR _____ LOCATION OF WELL _____
 LEASE _____ OF SEC. T R _____
 WELL NO. _____ COUNTY _____
 FIELD _____ PRODUCING FORMATION _____
 Date Taken _____ Date Effective _____
 Well Depth _____ Top Prod. Form _____ Perfs _____
 Casing: Size _____ Wt. _____ Depth _____ Acid _____
 Tubing: Size _____ Depth of Perfs _____ Gravity _____
 Pump: Type _____ Bore _____ Purchaser _____
 Well Status _____
 Pumping, flowing, etc. _____

TEST DATA

Permanent _____ Field _____ Special _____
 Flowing _____ Swabbing _____ Pumping _____

STATUS BEFORE TEST:

PRODUCED _____ HOURS

SHUT IN _____ HOURS

DURATION OF TEST _____ HOURS _____ MINUTES _____ SECONDS

GAUGES: WATER _____ INCHES _____ PERCENTAGE

OIL _____ INCHES _____ PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) _____

WATER PRODUCTION RATE (BARRELS PER DAY) _____

OIL PRODUCTION RATE (BARRELS PER DAY) _____ PRODUCTIVITY

STROKES PER MINUTE _____

LENGTH OF STROKE _____ INCHES

REGULAR PRODUCING SCHEDULE _____ HOURS PER DAY.

COMMENTS _____

WITNESSES:

FOR STATE

FOR OPERATOR

FOR OFFSET