

STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 9-30-92

Company Anadarko Petroleum Corporation Lease Morrison Well No. A-1

County Morton Location 660 FSL#1980 FEL Section 33 Township 32 Range 40 Acres

Field Stirrup Reservoir U. Morrow Pipeline Connection Cordana Energy

Completion Date 4-18-91 Type Completion (Describe) Single Oil Plug Back T.D. 5387 Packer Set At

Production Method: Flowing Pumping Gas Lift Type Fluid Production Oil API Gravity of Liquid/Oil 39.1 @ 60°

Casing Size 5.50 Weight 15.5 I.D. 4.950 Set At 5428 Perforations 5300 To 5304

Tubing Size 2.375 Weight 4.70 I.D. 1.995 Set At 5286 Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 9-29-93 Time 9:30am Ending Date 9-30-93 Time 9:30am Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure Separator Pressure Choke Size
Casing: 750 Tubing: 170 100 64/64

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	300	T23664	6	7 1/2	131.47	9	5 3/4	188.50	-0-	57.03
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections Orifice Meter Range
Pipe Taps: Flange Taps: ✓ Differential: 50 Static Pressure: 500

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	3	2.00			120	3.3	.712	60
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (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)
21.86	134.4	21.060	1.185	1.000	1.000	RECEIVED

Gas Prod. MCFD 546 Oil Prod. Ebls./Day: 57.03 Gas/Oil Ratio (GOR) = 9574

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 30th day of September 1993

For Offset Operator James Pray For State For Company

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 _____