

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-129-21144-0000
 C-5 Revised

Conservation Division

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE: 12-22-92

Company: Amadarko Petroleum Corp. Lease: U.S.A. Well No.: K-2

County: Morton Location: 1660 FSL & 660 FWL Section: 02 - Township: 33S - Range: 40W Acres:

Field: Stirrup Reservoir: Morrow Pipeline Connection:

Completion Date: 12-2-92 Type Completion(Describe): Single Oil Plug Back T.D.: 5529 Packer Set At:

Production Method: Flowing X Pumping Gas Lift Type Fluid Production: Oil API Gravity of Liquid/Oil: 40.5 @ 60°

Casing Size: 5.50 Weight: 15.50 I.D.: 4.950 Set At: 5529 Perforations: 5276 To: 5281

Tubing Size: 2.375 Weight: 4.70 I.D.: 1.995 Set At: 5268 Perforations: To:

Pretest: Starting Date: 12-20-92 Time 10:15am Ending Date: 12-21-92 Time 10:15am Duration Hrs.: 24

Test: Starting Date: 12-21-92 Time 10:15am Ending Date: 12-22-92 Time 10:15am Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure: Casing: #495 Tubing: 250# Separator Pressure: 35# Choke Size: 22/64

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	300	2	8	0	158.95	10	10	215.55	-0-	56.60
Test:	300	1	2	4 1/2	46.50	5	5	107.32	-0-	60.82
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections: Pipe Taps: Flange Taps: F Orifice Meter Range: Differential: 100 Static Pressure: 250

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	1.00			112.4	55	800
Critical Flow Prover							
Orifice Well Tester							DEC 29 1992

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)
4.912	125.6	83.11	1.118	1.008	1.0	1.0

Gas Prod. MCFD: 460. Oil Prod. Bbls./Day: 60.82 Gas/Oil Ratio (GOR) = 756.3 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 22nd day of December 1992

For Offset Operator: *Jamie Rapp* For State
 For Company: *Kevin R. Nease*

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 _____