

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-29-21141-00-00 Form C-5 Revised

Conservation Division
 TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 8-25-93
 Company: Andarko Petroleum Corp Lease: USA Well No.: AD-1
 County: Morton Location: 1980 ESK & 660 FWL Section: 11 Township: 33 Range: 40 Acres:
 Field: Stirrup Reservoir: Morrow Pipeline Connection: Centana Energy
 Completion Date: 11-13-92 Type Completion(Describe): Single oil Plug Back T.D.: 5489 Packer Set At:
 Production Method: Type Fluid Production: Oil API Gravity of Liquid/Oil: 40.5 @ 60°
 Flowing (Pumping) Gas Lift
 Casing Size: 5.50 Weight: 15.5 I.D.: 4.950 Set At: 5489 Perforations: 5392 To: 5412
 Tubing Size: 2.375 Weight: 4.70 I.D.: 1.995 Set At: 5364 Perforations: - To: -

Pretest: Starting Date: 8-24-93 Time: 9:30 Ending Date: 8-25-93 Time: 9:30 Duration Hrs.: 24
 Test: Starting Date: 8-24-93 Time: 9:30 Ending Date: 8-25-93 Time: 9:30 Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure	Separator Pressure	Choke Size		
Casing: 580 Tubing: 90		64/64		
Bbls./In.	Tank	Starting Gauge	Ending Gauge	Net Prod. Bbls.
	Size Number	Feet Inches Barrels	Feet Inches Barrels	Water Oil
Pretest:				
Test:				
Test:	300	7 2	147.57 10 7	215.96 68.39

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections	Orifice Meter Range					
Pipe Taps: Flange Taps: Differential: 100 Static Pressure: 100						
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure	Diff. Press.	Gravity	Flowing
Orifice Meter	2	1"	In.Water In.Merc. Psig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)
Critical Flow Prover			76.8	1	76.0	60°
Orifice Well Tester						

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD	Meter-Prover Press. (Psia)	Extension	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Conservation Division
(Fb)(Fp)(OWTC)	(Pm)	√hw x Pm				Richard Kohert
5.073	91.2	9.550	1.147	1.000	1.000	
Gas Prod. MCFD	Oil Prod. Bbls./Day:	Gas/Oil Ratio (GOR) =	Cubic Ft. per Bbl.			
Flow Rate (R): 56	68	817				

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 25 day of Aug. 1993

For Offset Operator: James R. Rapp For State
 For Company: Joe Dougherty
 Form C-5 (5/88)