

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 9-27-90
 Company: Mack Energy Co Lease: Massena Well No. 1
 County: Kingman Co Location: C SE NE Section: 19 Township: 29 S Range: 7 W Acres: 160
 Field: Spixy Gankh Reservoir: Miss Pipeline Connection: Kansas Gas Supply
 Completion Date: 1-8-60 Type Completion(Describe): Single (Gas) Plug Back, T.D.: 4230 Packer Set At: None
 Production Method: Flowing Pumping Gas Lift ✓ Type Fluid Production: Saltwater API Gravity of Liquid/Oil: N/A
 Casing Size: 4" Weight: I.D.: Set At: 4227 Perforations: To 4136 To 4146
 Tubing Size: Weight: I.D.: Set At: Perforations: To

Pretest: Starting Date Time Ending Date Time Duration Hrs.
 Test: Starting Date 9-27-90 Time Ending Date 9-28-90 Time Duration Hrs.

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure		Choke Size			
Casing:	Tubing:						
Bbls./In.	Tank Size Number	Starting Gauge		Ending Gauge		Net Prod. Bbls.	
		Feet	Inches	Feet	Inches	Water	Oil
Pretest:							
Test:						54	0
Test:							

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections		Orifice Meter Range		Differential:		Static Pressure:	
Pipe Taps:	Flange Taps:						
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester In.Water	Pressure In.Merc. Psig	Diff. Press. (In. H ₂ O) (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	4	5/8	35	24"	82,000		
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press.(Psia)(Pm)	Extension √hw x Pm	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)

Gas Prod. MCFD: 82 Oil Prod. Bbls./Day: 0 Gas/Oil Ratio (GOR) = 82 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 28 day of 9, 19 90

For Offset Operator: [Signature] For State: [Signature] For Company: [Signature]