

STATE OF KANSAS - CORPORATION COMMISSION 15-077-2179-0000
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 7-7-89
 Company: Bison Energy Corporation Lease: Yoder "A" Well No.: 1
 County: Harper Location: E/2 NE NW Section: 11 Township: 31-S Range: 8-W Acres: 40
 Field: Spivey-Grabs Reservoir: Mississippi Pipeline Connection: Oxy
 Completion Date: 9-88 Type Completion(Describe): Frac Plug Back T.D. Packer Set At
 Production Method: Flowing Pumping X Gas Lift Type Fluid Production: Oil API Gravity of Liquid/Oil

Pretest: Starting Date 7-7-89 Time 7:00 a.m. Ending Date 7-8-89 Time 7:00 a.m. Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure			Choke Size	
Casing:	Tubing:					
Bbls./In.	Tank	Starting Gauge		Ending Gauge		Net Prod. Bbls.
	Size Number	Feet	Inches	Feet	Inches	Water Oil
Pretest:						
Test:	200 269	11	8	12	4	9.27
Test:						

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections		Orifice Meter Range				Static Pressure:	
Pipe Taps:	Flange Taps:	Differential:					
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		.875			25	7	
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)
3.744		13.23	1.195			

Gas Prod. MCFD Flow Rate (R): 59 Oil Prod. Bbls./Day: 9.27 Gas/Oil Ratio (GOR) = 6370 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 19th day of July 1989

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

AUG 10 1989 C. J. Lett, III, President