

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

15-077-3050-0000

Form C-5 Revised

Conservation Division  
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 7-7-89  
 Company: Bison Energy Corporation Lease: Williams "A" Well No. 1  
 County: Harper Location: C NW NW Section: 11 Township: 31-S Range: 8-W Acres: 40  
 Field: Spivey-Grabs Reservoir: Mississippi Pipeline Connection: Oxy  
 Completion Date: 1966 Type Completion(Describe): Frac Plug Back T.D. Packer Set At  
 Production Method: Type Fluid Production API Gravity of Liquid/Oil  
 Flowing Pumping XGas Lift Oil  
 Casing Size 4 1/2" Weight 9.5# I.D. Set At Perforations To  
 Tubing Size 2 3/8" Weight I.D. Set At Perforations To

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

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	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	200	5	3		5	5			3.34
Test:									

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range					
Pipe Taps:	Flange Taps:	Differential:	Static Pressure:					
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure		Diff. Press.	Gravity	Flowing	
			In. Water	In. Merc.	Psig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)
Orifice Meter		.625			25	2	STATE	RECEIVED CORPORATION COMMISSION
Critical Flow Prover							21	1989
Orifice Well Tester							CONSERVATION DIVISION	Wichita, Kansas

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia) (Fm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
1.897		7.071	1.195			
Gas Prod. MCFD Flow Rate (R):	16	Oil Prod. Bbls./Day:	3.34	Gas/Oil Ratio (GOR) =	4800	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 19 89

For Offset Operator For State For Company  
 E. J. Lett, III, President

AUG 10 1989  
 8-10-89  
 CONSERVATION DIVISION  
 Wichita, Kansas