

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-077-30150-0000

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company Lease Well No.
 Bison Energy Corporation Williams "A" 1

County Location Section Township Range Acres
 Harper C NW NW 11 31-S 8-W 40

Field Reservoir Pipeline Connection
 Spivey-Grabs Mississippi Oxy

Completion Date Type Completion(Describe) Plug Back T.D. Packer Set At
 1966 Frac

Production Method: Type Fluid Production API Gravity of Liquid/Oil

Flowing Pumping XGas Lift Oil
 Casing Size Weight I.D. Set At Perforations To
 4 1/2" 9.5# 4504'4406'-4415'

Tubing Size Weight I.D. Set At Perforations To
 2 3/8" 4410'

Pretest: Duration Hrs.
 Starting Date Time Ending Date Time

Test: Duration Hrs.
 Starting Date 7-24-91 Time 7:00 am Ending Date 7-25-91 Time 7:00 am 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	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	200	2	5		2	7			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 In. Water	Tester In. Merc.	Pressure Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter		.500			21	3		
Critical Flow Prover								
Orifice Well Tester								

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)
1.124		7.937			1.195	

Gas Prod. MCFD Flow Rate (R): 11 Oil Prod. Bbls./Day: 3.34 Gas/Oil Ratio (GOR) = 3191 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 29th day of July 19 91

For Offset Operator

For State

For Company

C. J. Lett, III
 President