

15-077-00028-00-02  
 STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: <u>Initial</u> <u>Annual</u> <u>Workover</u> <u>Reclassification</u>		TEST DATE:	
Company: <u>Bison Energy Corporation</u>		Lease: <u>Muir "A"</u>	
County: <u>Harper</u>		Well No.: <u>1</u>	
Field: <u>Spivey-Grabs</u>	Location: <u>SW NE</u>	Section: <u>10</u>	Township: <u>31-S</u>
	Reservoir: <u>Mississippi</u>		Range: <u>8-W</u>
			Acres: <u>40</u>
Completion Date:	Type Completion(Describe): <u>Frac</u>	Plug Back T.D.: <u>5300'</u>	Packer Set At: <u>4485'</u>
Production Method: <u>Flowing</u> <u>Pumping</u> <u>X Gas Lift</u>	Type Fluid Production: <u>Oil</u>	API Gravity of Liquid/Oil:	
Casing Size: <u>5½"</u>	Weight: <u>14#</u>	I.D.: <u>4452'</u>	Set At: <u>4402'-4405'</u>
Tubing Size: <u>2 1/16"</u>	Weight: <u>3/4#</u>	I.D.: <u>4391'</u>	Set At: <u>To</u>

Pretest:	Starting Date: <u>7-24-91</u>	Time: <u>7:00 am</u>	Ending Date: <u>7-25-91</u>	Time: <u>7:00 am</u>	Duration Hrs.: <u>24</u>
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**OIL PRODUCTION OBSERVED DATA**

Producing Wellhead Pressure	Separator Pressure	Choke Size		
Casing: <u>200</u>	Tubing: <u>154934</u>			
Bbls./In.	Tank	Starting Gauge	Ending Gauge	Net Prod. Bbls.
	Size    Number	Feet    Inches    Barrels	Feet    Inches    Barrels	Water    Oil
Pretest:				
Test:	<u>200    154934</u>	<u>6    1</u>	<u>6    4</u>	<u>5.01</u>
Test:				

**GAS PRODUCTION OBSERVED DATA**

Orifice Meter Connections	Orifice Meter Range
Pipe Taps: <u>Orifice</u>	Differential: <u>21</u>
Flange Taps: <u>Meter-Prover</u>	Static Pressure: <u>3</u>
Measuring Device: <u>Orifice Meter</u>	Run-Prover-Tester Size: <u>1.125</u>
Critical Flow Prover	Meter-Prover-Tester Pressure: <u>21</u>
Orifice Well Tester	Diff. Press. (hw) or (hd): <u>3</u>
	Gravity Gas (Gg): <u>1.195</u>
	Flowing Temp. (t): <u>79.1</u>

**GAS FLOW RATE CALCULATIONS (R)**

Coeff. MCFD (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)
<u>6.251</u>	<u>11858</u>	<u>7.937</u>	<u>1.195</u>	<u>1.195</u>	<u>1.195</u>	<u>1.195</u>

Gas Prod. MCFD: 59      Oil Prod. Bbls./Day: 5      Gas/Oil Ratio (GOR) = 11858      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 1991

For Offset Operator: \_\_\_\_\_      For State: \_\_\_\_\_      For Company: C. J. Lett, III  
 President