

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-877-21179-0000

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 10-30-88

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: Type Fluid Production API Gravity of Liquid/Oil

Flowing Pumping X Gas Lift Oil
 Casing Size 5 1/2" Weight 14.5# I.D. Set At 4458' Perforations 4430'-4434' To

Tubing Size 2 7/8" Weight I.D. Set At 4250' Perforations To

Pretest: Starting Date 11-14-88 Time Ending Date Time Duration Hrs.

Test: Starting Date 11-14-88 Time Ending Date Time Duration Hrs.

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 1	3 6	20
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 In. Water	In. Merc. Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter		.875		25	7		
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psa)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
3.744		13.22	1.195			

Gas Prod. MCFD Flow Rate (R): 59 Oil Prod. Bbls./Day: 20 Gas/Oil Ratio (GOR) = 2900 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 10th day of Nov. 1988

For Offset Operator

For State

For Company