

15-077 - 38150 - 0000

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual xx Workover Reclassification TEST DATE: 6-1-97

Company: Bison Production Company Lease: Williams "A" Well No.: 1

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

Field: Spivey-Grabs Reservoir: Mississippi Pipeline Connection

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

Production Method: Flowing Pumping xx Gas Lift Type Fluid Production: Oil API Gravity of Liquid/Oil

Casing Size: 4 1/2" Weight: 9.5 I.D.: Set At: 4504,4506-4415' Perforations: To

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

Pretest: Starting Date: Time: Ending Date: Time: Duration Hrs.

Test: Starting Date: 5-31-97 Time: 8:00 AM Ending Date: 6-01-97 Time: 8:00 AM Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure			Choke Size				
Casing:	Tubing:	Starting Gauge			Ending Gauge		Net Prod. Bbls.		
Bbls./In.	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	200	154978	5	11	6	0			1.67
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. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
			In. Water	In. Merc.	Psig or (Pd)		
Orifice Meter		.5			11	4	
Critical Flowprover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS

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)
1.214		6.60			1.19	
Gas Prod. MCFD Flow Rate (R): 9.50	Oil Prod. Bbls. /Day: 1.67	Gas/Oil Ratio (GOR) = 5689	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 17th day of June 1997.

For Offset Operator

For State

For Company