

15-077-20495-0000

STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company: MFCB Erdman Corp Lease: Williams B Well No.: 3

County: Harper Location: N.W. 1/4 SE Section: 22 Township: 31S Range: 8W Acres:

Field: Spivey, Gibbs Reservoir: Mass Pipeline Connection: North Cities Service

Completion Date: 11-1-78 Type Completion (Describe): Basic Plug Back T.D.: 4421 Packer Set At:

Production Method: Flowing Type Fluid Production: Oil Gas SW API Gravity of Liquid/Oil: 33

Flowing Pumping Gas Lift

Casing Size: 4 1/2 Weight: 105 I.D.: 4 1/2 Set At: 4427.5 Perforations: 4410-4417 To:

Tubing Size: 2 3/8 Weight: 47 I.D.: 2 3/8 Set At: Perforations: To:

Pretest: Duration Hrs.

Starting Date: Time: Ending Date: Time:

Test: Duration Hrs.

Starting Date: 8-4-84 Time: Ending Date: 8-5-84 Time: 8:00 Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure			Choke Size					
Casing:	<u>90</u>	Tubing:	<u>90</u>	<u>45</u>		<u>Open</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</u>		<u>3</u>	<u>8</u>	<u>7348</u>	<u>3</u>	<u>11</u>	<u>7849</u>	<u>200</u>	<u>5.01</u>
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 In. Water	Pressure In. Merc. Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	<u>3</u>	<u>3/8</u>	<u>.2</u>		<u>5.3</u>	<u>.650</u>	<u>60</u>
Critical Flow Prover			<u>1.0</u>		<u>26 1/2</u>		
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)
<u>.6948</u>		<u>5.14</u>	<u>1.340</u>	<u>1.000</u>	<u>1.000</u>	

Gas Prod. MCFD Flow Rate (R): A364 Oil Prod. Bbls./Day: 501 Gas/Oil Ratio (GOR) = .871 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 5 day of August 1984

RECEIVED Wichita RECEIVED Wichita

For Offset Operator STATE CORPORATION COMMISSION For State For Company

SEP 25 1984

SEP 20 1984
9-20-84