

Conservation Division Form C-5 Revised

TYPE TEST: Initial Annual Workover  Reclassification TEST DATE: 2-6-98

Company Prairie Resources, Inc. Lease Packard Well No. 1-23

County Barber Location 50'E, NW NESE Section 23 Township 31S Range 13W Acres 40

Field Nurse Field Reservoir Swope Pipeline Connection N.C.A.

Completion Date 12-6-97 (workover) Type Completion (Describe) Acidize w/400gals on 1-15-98 Plug Back T.D. CTBP 4150 Packer Set At ---

Production Method: Oil Type Fluid Production Oil API Gravity of Liquid/Oil 38

Flowing  Pumping  Gas Lift  Casing Size 4 1/2 X Weight 10.5# I.D. 4.057 Set At 4350 Perforations 4066 - 4070 To ---

Tubing Size 2 3/8 X Weight 4.7# I.D. 1.995 Set At 4083' Perforations 4068' - 4071' To ---

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

Test: Starting Date 2-5-98 Time 9:30 A.M. Ending Date 2-6-98 Time 9:30 A.M. Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure	Separator Pressure	Choke Size
Casing: <u>940"</u> Tubing: <u>220"</u>	<u>80"</u>	<u>---</u>

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:										
Test:	<u>250</u>	<u>8130</u>	<u>3</u>	<u>8 1/2"</u>	<u>74.195</u>	<u>11'</u>	<u>2 1/2"</u>	<u>224.175</u>	<u>20</u>	<u>149.98</u>

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range				
Pipe Taps: <input checked="" type="checkbox"/>		Flange Taps:		Differential: <u>0-50"</u>		Static Pressure: <u>0-500"</u>		
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	<u>3"</u>	<u>750</u>			<u>80"</u>	<u>6"</u>	<u>.800</u>	<u>27°</u>
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)	MCFD (Fp)	Meter-Prover Press. (Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fdy)	Chart Factor (Fd)
<u>2-848</u>	<u>94.4</u>	<u>94.4</u>	<u>23.80</u>	<u>1.118</u>	<u>1.033</u>	<u>---</u>	<u>---</u>

Gas Prod. MCFD 78.28 Oil Prod. Bbls./Day: 149.98 Gas/Oil Ratio (GOR) = .52 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 6<sup>th</sup> day of February 1998

For Offset Operator Stephen J. Pfeifer For State Lynn Packard For Company

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST  
BARREL TEST

OPERATOR \_\_\_\_\_ LOCATION OF WELL \_\_\_\_\_  
 LEASE \_\_\_\_\_ OF SEC. T \_\_\_\_\_ R \_\_\_\_\_  
 WELL NO. \_\_\_\_\_ COUNTY \_\_\_\_\_  
 FIELD \_\_\_\_\_ PRODUCING FORMATION \_\_\_\_\_  
 Date Taken \_\_\_\_\_ Date Effective \_\_\_\_\_  
 Well Depth \_\_\_\_\_ Top Prod. Form \_\_\_\_\_ Perfs \_\_\_\_\_  
 Casing: Size \_\_\_\_\_ Wt. \_\_\_\_\_ Depth \_\_\_\_\_ Acid \_\_\_\_\_  
 Tubing: Size \_\_\_\_\_ Depth of Perfs \_\_\_\_\_ Gravity \_\_\_\_\_  
 Pump: Type \_\_\_\_\_ Bore \_\_\_\_\_ Purchaser \_\_\_\_\_  
 Well Status \_\_\_\_\_  
 Pumping, flowing, etc.

TEST DATA

Permanent \_\_\_\_\_ Field \_\_\_\_\_ Special \_\_\_\_\_  
 Flowing \_\_\_\_\_ Swabbing \_\_\_\_\_ Pumping \_\_\_\_\_

STATUS BEFORE TEST:

PRODUCED \_\_\_\_\_ HOURS

SHUT IN \_\_\_\_\_ HOURS

DURATION OF TEST \_\_\_\_\_ HOURS \_\_\_\_\_ MINUTES \_\_\_\_\_ SECONDS

GAUGES: WATER \_\_\_\_\_ INCHES \_\_\_\_\_ PERCENTAGE

OIL \_\_\_\_\_ INCHES \_\_\_\_\_ PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) \_\_\_\_\_

WATER PRODUCTION RATE (BARRELS PER DAY) \_\_\_\_\_

OIL PRODUCTION RATE (BARRELS PER DAY) \_\_\_\_\_ PRODUCTIVITY

STROKES PER MINUTE \_\_\_\_\_

LENGTH OF STROKE \_\_\_\_\_ INCHES

REGULAR PRODUCING SCHEDULE \_\_\_\_\_ HOURS PER DAY.

COMMENTS \_\_\_\_\_

WITNESSES:

FOR STATE

FOR OPERATOR

FOR OFFSET