

Conservation Division  
 TYPE TEST: Initial  Annual  Workover  Reclassification  TEST DATE: 8-22-96  
 Company: Prairie Resources, Inc. # 31406 Lease: Packard Well No. 1-23  
 County: Barber Location: 50'E of NW NESE Section: 23 Township: 31S Range: 13W Acres: 40  
 Field: Nurse Reservoir: Miss. Pipeline Connection: Gas= KGS. - Oil= NCRA  
 Completion Date: 5-20-96 Type Completion (Describe): Single (Acid + Frac) Plug Back T.D.: 4310' Packer Set At:           
 Production Method: Flowing X Pumping  Gas Lift  Type Fluid Production: Oil + wt. API Gravity of Liquid/Oil: 34  
 Casing Size: 4 1/2 Weight: 10.5# I.D.: 4.052 Set At: 4350 Perforations: 4232 To: 4240  
 Tubing Size: 2 3/8 Weight: 4.7 I.D.: 1.995 Set At: 4210 Perforations: 4197 To: 4200  
 Pretest: Starting Date: 8-21-96 Time: 10:00 A.M. Ending Date: 8-22-96 Time: 10:00 A.M. Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure		Choke Size					
Casing: <u>490#</u>	Tubing: <u>2.50#</u>	<u>39#</u>		<u>15/164</u>					
Bbls./In.	Tank	Starting Gauge		Ending Gauge		Net Prod. Bbls.			
	Size   Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	<u>250</u> <u>8081</u>	<u>3'</u>	<u>7"</u>	<u>71.69</u>	<u>6'</u>	<u>-</u>	<u>120</u>	<u>11</u>	<u>48.31</u>
Test:									

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range			
Pipe Taps:	Flange Taps: <input checked="" type="checkbox"/>			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	Pressure In. Merc.	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	<u>3"</u>	<u>1.375</u>		<u>39#</u>	<u>8"</u>	<u>70.5</u>	<u>74°</u>
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)	MCFD (Fp)	Meter-Prover Press. (Psia)	Extension (Fm)	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Chart Factor (Fv)	Chart Factor (Fd)
<u>9.486</u>	<u>53.4</u>	<u>53.4</u>	<u>20.67</u>	<u>1.191</u>	<u>.9868</u>	<u>-</u>	<u>-</u>
Gas Prod. MCFD		Oil Prod. Bbls./Day: <u>48.31</u>		Gas/Oil Ratio (GOR) = <u>4.77</u>		Cubic Ft. per Bbl.	
Flow Rate (R): <u>230.44</u>							

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 22 day of Aug. 1996

For Offset Operator: Stephen J. Pfeifer For State  
 For Company: Eymur Peadar

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 \_\_\_\_\_