

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

15-065-22424-00-00  
 JUN 1 1989 Form C-5 Revised

Conservation Division

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE:  
 Company: Ritchie Exploration, Inc #5198 Lease: Benoit Well No.: #1  
 County: Graham Location: E/2-SE-SE Section: 11 Township: 7 Range: 21 Acres:  
 Field: Legage West #2 Reservoir: LKC-Marmation Regon Sand Pipeline Connection: Koch  
 Completion Date: \_\_\_\_\_ Type Completion (Describe): \_\_\_\_\_ Plug Back T.D.: \_\_\_\_\_ Packer Set At \_\_\_\_\_

Production Method: Pumping Type Fluid Production: Crude API Gravity of Liquid/Oil: 36.62  
 Flowing: Pumping Gas Lift \_\_\_\_\_  
 Casing Size: 4 1/2 Weight: \_\_\_\_\_ I.D.: \_\_\_\_\_ Set At: \_\_\_\_\_ Perforations: \_\_\_\_\_ To: \_\_\_\_\_  
 Tubing Size: 2 3/8 Weight: \_\_\_\_\_ I.D.: \_\_\_\_\_ Set At: \_\_\_\_\_ Perforations: \_\_\_\_\_ To: \_\_\_\_\_

Pretest: \_\_\_\_\_ Duration Hrs.: \_\_\_\_\_  
 Starting Date \_\_\_\_\_ Time \_\_\_\_\_ Ending Date \_\_\_\_\_ Time \_\_\_\_\_  
 Test: \_\_\_\_\_ Duration Hrs.: \_\_\_\_\_  
 Starting Date 6-1-89 Time 8:00 AM Ending Date 6-2-89 Time 8:00 AM 24

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	
<u>1.67</u>										
Pretest:										
Test:	<u>200</u>	<u>154637</u>	<u>1</u>	<u>10</u>	<u>36.81</u>	<u>2</u>	<u>1/2</u>	<u>40.55</u>	<u>26</u>	<u>3.74</u>
Test:								<u>36.81</u>		
Test:								<u>3.22</u>		

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.	Gravity	Flowing	
			In. Water	In. Merc.	Psig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)
Orifice Meter								
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Gcoeff. 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)

Gas Prod. MCFD \_\_\_\_\_ Oil Prod. Bbls./Day: \_\_\_\_\_ Gas/Oil Ratio (GOR) = \_\_\_\_\_ 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 \_\_\_\_\_ day of \_\_\_\_\_ 19 \_\_\_\_\_

For Offset Operator: J. Kelly For State: Thomas For Company: Paul

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