

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-193-20040-0080

Conservation Division

Form C-5 Revised

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE: 3-29-96

Company Ritchie Exploration Inc. E Shughart Lease Well No. 1

County Thomas Location SE NE NW Section 11 Township 6 Range 33N Acres

Field Thomas Reservoir Pawnee Pipeline Connection Koch

Completion Date 1-15-96 Type Completion (Describe) Plug Back T.D. 4626 Packer Set At

Production Method: 3pm: 8 LS 64 Type Fluid Production oil API Gravity of Liquid/Oil

Flowing Pumping Gas Lift Casing Size 5 1/2 Weight I.D. Set At 4651 Perforations 35 To

Tubing Size 2 7/8 Weight I.D. Set At 4622 Perforations 4351 - 55 To

Pretest: Starting Date 3-28-96 Time 12 noon Ending Date 3-29-96 Time 12 noon Duration Hrs. 24

Test: Starting Date 3-28-96 Time 12 noon Ending Date 3-29-96 Time 12 noon Duration Hrs. 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
Pretest:									
1.67/in									
Test:	250	234	6 1/2		6	9			94
Test:	200	H2O	5	2	5	6		7	

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

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)	MCFD (Fp)	OWTC	Meter-Prover Press. (Psia)	Extension (Pm)	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
					94			

Gas Prod. MCFD Flow Rate (R): 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 29th day of March 1996

For Offset Operator Martin Miller For State Douglas Brunson 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