

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

15.185.23186.0000

Conservation Division Form C-5 Rev.

TYPE TEST:  Initial  Annual  Workover  Reclassification TEST DATE: 09/20/03

Company Mull Drilling Company Inc Lease Hall #1-23 Well No.

County Stafford Location 2620 FNL 1980 FEL Section 23 Township 21 Range (E/W) 13 W Acres

API Well Number 15 - Reservoir(s) Arbockle Gas Pipeline Connection

Completion Date 09/02/03 Type of Completion (Describe) Single Oil Plug Back T.D. 3754 Packer Set At

Lifting Method: None Pumping  Gas Lift ESP Type Liquid Oil + water API Gravity of Liquid/Oil 37

Casing Size 5.5 Weight 19.00 ID. 3808 Set At Perforations 3684 to 3686 3886 to 3692 To

Tubing Size 2 7/8 Weight ID. 3732 Set At Perforations To

Pretest: Starting Date Time AM/PM Ending Date Time AM/PM

Test: Starting Date 09/29/03 Time 8:30 AM/PM Ending Date 09/29/03 Time 8:30 AM/PM

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size				
Casing:	Psig	Tubing:	Psig	Psig	Psig					
Bbls./In.	Stock Tank		Starting Gauge			Ending Gauge			Net API Bbls.	
1.67	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	200	Water	4	9	95.19	8	1	161.99	66.80	
Test	200	300126	5	6.5	111.05	6	2	123.58		12.53
Test										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections (Yes/No)			Orifice Meter Range					Static Pressure:		
Pipe Taps:	Flange Taps:		Differential:							
Type Measuring Device	Entry Size	Orifice Size	Meter-Prover-Tester Pressure					Diff. Press. (h <sub>w</sub> ) or (h <sub>d</sub> )	Gas Gravity (G <sub>g</sub> )	Flowing Temp. (t)
			In. Water	In. Merc.	Psig or (P <sub>d</sub> )	%CO <sub>2</sub>	H <sub>2</sub> Sppm			
Orifice Meter										
Critical Flow Prover		No Gas								
MERLA Well Tester										

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (F <sub>w</sub> ) (F <sub>p</sub> )	Meter-Prover Press. (Psia)(P <sub>m</sub> )	Press. Extension $\sqrt{h_w \cdot P_m}$	Gravity Factor (F <sub>g</sub> )	Flowing Temp. Factor (F <sub>t</sub> )	Deviation Factor (F <sub>pr</sub> )	Sqr. Rt. Chart Factor (F <sub>d</sub> )
Gas Prod. MCFD Flow Rate (R): 0	Oil Prod. Bbls./Day: 12.53	Gas/Oil Ratio (GOR) =				

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 30 day of September 19 2003

For Offset Operator

RECEIVED

For Commission

For Company

OCT 07 2003

KCC WICHITA

(Rev. 10/96)

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 \_\_\_\_\_