

15-033-21424-00-00

STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & GOR REPORT

Conservation Division Initial Annual Workover Reclassification TEST DATE: 3-23+24, 2005 Form C-5 Rev.

Company: R. J. PATRICK OPERATING CO. Lease: JACOB COLTER Well No.: 2-1

County: Comanche Location: W/2 NW/4 SE Section: 1 Township: 33S Range (E/W): 19 Acres:

API Well Number: 15-033-21424-00-00 Reservoir(s): Viola Gas Pipeline Connection: ONEOK FIELD SVCS.

Completion Date: 3-10-05 Type of Completion (Describe): Single Plug Back T.D.: 5964 Packer Set At: 5869

Lifting Method: None Pumping Gas Lift ESP Type Liquid: Oil API Gravity of Liquid/Oil: 36

Casing Size: 4.500 Weight: 10.50 ID: 4.052 Set At: 5984 Perforations: 5898 To: 5899

Tubing Size: 2.375 Weight: 4.70 ID: 1.995 Set At: 5868 Perforations: OPEN To:

Pretest: Starting Date: 3-10-05 Time: 7:00 AM/PM Ending Date: 3-23-05 Time: 12:30 PM/PM

Test: Starting Date: 3-23-05 Time: 12:30 AM/PM Ending Date: 3-24-05 Time: 12:30 AM/PM

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure: Casing: 0 Psig Tubing: 400 Psig Separator Pressure: Psig 70 Choke Size: 1 1/2

Bbls./In.	Stock Tank		Starting Gauge			Ending Gauge			Net API Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest	12x15	1	6	4	127	8	8	174	0	47
Test	12x15	1	3	5	69	14	7	292	0	223
Test	10x15	2	0	0	0	0	0	13	0	13

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections (Yes/No): Electronic Orifice Meter Range: Differential: 0-150" Static Pressure: 0-500" H₂O

Type Measuring Device	Entry Size	Orifice Size	Meter- prover- Tester Pressure					Diff. Press. (h _w) or (h _g)	Gas Gravity (G _g)	Flowing Temp. (t)
			In. Water	In. Merc.	Psig or (P _a)	%CO ₂	H ₂ Sppm			
Orifice Meter	2067	1.250			64.9	0.027	0	4"	.789	49
Critical Flow Prover										
MERLA Well Tester										

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GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (F ₁) (F ₂)	Meter-Prover Press. (P _{1a}) (P _{2a})	Press. Extension $\sqrt{h_w \cdot P_a}$	Gravity Factor (F _g)	Flowing Temp. Factor (F _t)	Deviation Factor (F _p)	Super-Chlor Factor (F_{sc}) Electronic
8.329	79.3	17.81	1.126	1.0216	1.000	

Gas Prod. MCFD Flow Rate (R): 171 Oil Prod. Bbls./Day: 283 Gas/Oil Ratio (GOR) = 604/1 Cubic Feet 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 24th day of MARCH 2005

R. J. Patrick
For Orifect Operator

For Commission

For Company

(Rev. 10/96)

DATA WITNESSED & CHECKED BY Leslie H. Oldham