

**STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & GOR REPORT**

Conservation Division Form C-5 Rev.
TYPE TEST: Initial Annual Workover Reclassification **TEST DATE:** 1/23-1/24 2002
 Company #9482 National Petroleum Reserves, Inc. Lease HALL Well No. 2
 County Barber Location 1530' FNL 1430' FEL Section 31 Township 31s Range (E/W) 12w Acres + 130
 API Well Number 15- 007-22694-0000 Reservoir(s) Simpson Sandstone Gas Pipeline Connection
 Completion Date 1/17/02 Type of Completion (Describe) open-hole OHTD: 4509.5' Plug Back T.D. Packer Set At none
 Lifting Method: None Pumping X Gas Lift ESP Type Liquid crude oil 40° API Gravity of Liquid/Oil
 Casing Size 4 1/2" Weight 10.5# ID 3.958" Set At 4505' Perforations OH 4505' To 4509.5'
 Tubing Size 2 3/8" Weight 2 3/8" ID 2.041" Set At 4508' Perforations none To
 Pretest: Starting Date Time AM/PM Ending Date Time AM/PM
 Test: Starting Date 1/23/02 Time 1:00 PM AM/PM Ending Date 1/24/02 Time 1:00 PM AM/PM

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure Casing: 50 PSI Paig Tubing: 170 Paig Separator Pressure 40 Paig Choke Size

Bbla./In.	Stock Tank		Starting Gauge			Ending Gauge			Net API Bbla.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	200 bbl	2	4'	5"	88.35	7'	10"	156.7	0	68.35
Test:	200 bbl									

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections (Yes/No) _____ Orifice Meter Range _____
 Pipe Taps: _____ Flange Taps: _____ Differential: _____ Static Pressure: _____

Type Measuring Device	Entry Size	Orifice Size	Meter-Prover-Tester Pressure					Diff. Press. (h ₁) or (h ₂)	Gas Gravity (G _p)	Flowing Temp. (t)
			In. Water	In. Merc.	Paig or (P ₂)	%CO ₂	H ₂ Sppm			
Orifice Meter										
Critical Flow Prover			NO GAS SALES RECEIVED							
MERLA Well Tester										

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (F ₁) (F ₂)	Meter-Prover Press. (P _{1a}) (P ₂)	Press. Extension $\sqrt{h_w \cdot P_w}$	Gravity Factor (F _g)	Flowing Temp. Factor (F _t)	Deviation Factor (F _d)	KCC WICHITA Sq. Ft. Chart Factor (F _c)

Gas Prod. MCFD Flow Rate (R): _____ Oil Prod. Bbla./Day. 68.35 Gas/Oil Ratio (GOR) - _____ 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 January 2002

 For Operator

 For Commission

 For Company