

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

15-119-21051-00 00

Conservation Division Form C-5 Rev.

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company Lease Well No.
 H & L OPERATING CO., L.L.P. ADAMS RANCH 5-15

County Location Section Township Range (E/W) Acres
 MEADE 330' fsl 1650' fw1 15 35S 30 80

API Well Number Reservoir(s) Gas Pipeline Connection
 15-119-21051 TORONTO General Gas CO.

Completion Date Type of Completion (Describe) Plug Back T.D. Packer Set At
 9-15-01 oil 4457'

Lifting Method: Type Liquid API Gravity of Liquid/Oil
 None Pumping Gas Lift ESP oil & water 54

Casing Size	Weight	ID.	Set At	Perforations	To
5 1/2"	15.50	4.95	4506'	4260'	4264'
Tubing Size	Weight	ID.	Set At	Perforations	To
2-7/8"	6.4	2.441	4315'		

Pretest:
 Starting Date Time AM/PM Ending Date Time AM/PM
 Test:
 Starting Date 9-14-01 Time 1000 AM/PM Ending Date 9-15-01 Time 1000 AM/PM

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure Separator Pressure Choke Size
 Casing: 100 Psig Tubing: 87 Psig

Bbls./in.	Stock Tank		Starting Gauge			Ending Gauge			Net API Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
1.67										
Pretest:	300	1	3	0	61.79	3	0	61.79		
Test:	300	2	7	10	156.98	8	2	163.66		6.68
Test:	210	wtr	2	10	38.61	2	11	40.95	2.34	

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 1.5					Diff. Press. (h _w) or (h _d)	Gas Gravity (G _p)	Flowing Temp. (t)
			In. Water	In. Merc.	Psig or (P _d)	%CO ₂	H ₂ Sppm			
Orifice Meter										
Critical Flow Prover										
MERLA Well Tester	2"	.25			1.5	0.0	0.0	.7892	70.0	

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (F ₁) (F ₂)	Meter-Prover Press. (P _{ms})(P _m)	Press. Extension $\sqrt{h_w \cdot P_m}$	Gravity Factor (F _g)	Flowing Temp. Factor (F _t)	Deviation Factor (F _v)	Sqr. Rt. Chart Factor (F _d)
			.8719	.9905		

Gas Prod. MCFD Oil Prod. Bbls./Day: Gas/Oil Ratio (GOR) = Cubic Feet per Bbl.
 Flow Rate (R): 10 7 1428

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 5th day of October 15 2001

Ronald P. Moon
 Ronald P. Moon-Partner

For Offset Operator

RECEIVED For Commission

For Company

(Rev. 10/96)

OCT 09 2001 10-9-01

KCC WICHITA