

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-119-21050-00-00

Conservation Division

Form C-5 Revised

TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 8/27/03

Company H&L OPERATING CO. LLP Lease ADAMS RANCH Well No. 4-15

County MEADE Location 330' ES & 2310' EEI Section 15 Township 35S Range 30W Acres 80

Field API Reservoir TORONTO Pipeline Connection GENERAL GAS CO.

Completion Date 9-15-01 Type Completion(Describe) OIL Plug Back T.D. 4441 Packer Set At

Production Method: Pumping Type Fluid Production OIL & WATER API Gravity of Liquid/Oil 48.0

Flowing (Pumping) Gas Lift Weight I.D. Set At Perforations To

Casing Size 5 1/2 Weight 15.5 I.D. 4.95 Set At 4486 Perforations 4262 To 4266

Tubing Size 2 7/8 Weight 6.4 I.D. 2.441 Set At 4289 Perforations To

Pretest: Starting Date 8/27/03 Time 1:30 PM Ending Date 8/28/03 Time 1:30 PM Duration Hrs. 24

Test: Starting Date 8/27/03 Time 1:30 PM Ending Date 8/28/03 Time 1:30 PM Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure	Separator Pressure	Choke Size
Casing: 85 Tubing: 80	25	N/A

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
1.67 Test:	300		4	7	91.8	5	9	115.2		23.4
2.92 Test:	210		2	1	73	2	1.5	74.5	1.5	

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range					
Pipe Taps:	Flange Taps:	X	Differential: 100"			Static Pressure: 250#		
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester In. Water	Pressure In. Merc.	Tester Pressure (Psig) or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	2	.625			76	1.7	.789	90
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)(Pm)	Extension √hw x Pm	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
1.914	90.4	12.40	1.126	.9723	1.000	

Gas Prod. MCFD Flow Rate (R): 26 Oil Prod. Bbls./Day: 23.4 Gas/Oil Ratio (GOR) = 1111 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 2 day of SEPTEMBER 19 2003

For Offset Operator For State For Company

Hugh D. Barton