

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE: 5-2-85

Company: Cities Service Oil Lease: Hitch 8-1 Well No. 1

County: Seward Location: 2080 FSL - 2530 Section: 28 Township: 32 Range: 34 Acres: 80

Field: Wentcoat Holt Reservoir: Chester Pipeline Connection: None

Completion Date: 4-30-85 Type Completion (Describe): 5" hole prof Plug Back T.D.: 6455 Packer Set At:

Production Method: Flowing Pumping Gas Lift Type Fluid Production: Oil and Gas API Gravity of Liquid/Oil: 38

Casing Size: 5 1/2 Weight: 19 @ 15 1/2 I.D.: Set At: 6494 Perforations: 6140 To: 6148

Tubing Size: 2 3/4 Weight: 4.7 I.D.: Set At: 6145 Perforations: To:

Pretest: Starting Date: 4-30-85 Time: 9:30 Ending Date: 5-1-85 Time: 9:30 Duration Hrs.: 2

Test: Starting Date: 5-1-85 Time: 9:30 Ending Date: 5-2-85 Time: 9:30 Duration Hrs.: 77

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure		Choke Size					
Casing:	<u>19.70</u>	Tubing:	<u>8.30</u>	<u>16/64</u>					
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	<u>500 Frac</u>	<u>6</u>	<u>9</u>	<u>30.3</u>	<u>8</u>	<u>1'</u>	<u>65</u>	<u>16</u>	<u>49</u>
Test:	<u>500 Frac</u>	<u>8.0'</u>	<u>1.0"</u>	<u>36.8</u>	<u>9</u>	<u>10"</u>	<u>77</u>	<u>19</u>	<u>58</u>
Test:	<u>500 Frac</u>	<u>1.0</u>	<u>0</u>	<u>41.8</u>	<u>6</u>	<u>2'</u>	<u>233.7</u>	<u>58.4</u>	<u>175.3</u>

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections		Orifice Meter Range				Static Pressure:	
Pipe Taps:	Flange Taps:	Differential:					
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure		Diff. Press. (hw) or (hd)	Gravity Gas-(Gg)	Flowing Temp. (t)
Orifice Meter			In. Water	In. Merc.	Psig or (Pd)	STATE CORPORATION COMMISSION	
Critical Flow Prover						MAY 13 1985	
Orifice Well Tester	<u>2"</u>	<u>1"</u>			<u>30.0 #</u>	CONSERVATION DIVISION Wichita, Kansas	

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)	MCFD (Fp)	Meter-Prover Press. (Psia)	Extension (Pm)	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
<u>21.740</u>	<u>44.4</u>		$\sqrt{hw \times Pm}$		<u>1.000</u>	<u>✓</u>	

Gas Prod. MCFD: 951 Oil Prod. Bbls./Day: 233.3 Gas/Oil Ratio (GOR) = 4076 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 3rd day of May, 1985

Teddy G. L. Harper

For Offset Operator

For State

For Company