

PRODUCTION TEST & GOR REPORT

15-175-20837-0000 Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 2-5-88

Company CITIES SERVICE OIL & GAS Lease HITCH Well No. Q-1

County SEWARD Location 2080 FSL - 2530 FEL Section 28 Township 32 Range 34 Acres 80

Field CHESTER Reservoir PEPL Pipeline Connection

Completion Date 4-30-85 Type Completion (Describe) SINGLE Plug Back T.D. 6455 Packer Set At

Production Method: Pumping Type Fluid Production OIL/WATER API Gravity of Liquid/Oil 38°

Flowing Casing Size 5 1/2 Weight 14 and 15.5 # I.D. 6.496 Set At 6140 Perforations 6140 To 6148

Tubing Size 2 3/8 Weight 4.7 # I.D. 6.145 Set At Perforations To

Pretest: Starting Date 2-3-88 Time 10:00 AM Ending Date 2-4-88 Time 10:00 AM Duration Hrs. 24

Test: Starting Date 2-4-88 Time 10:00 AM Ending Date 2-5-88 Time 10:00 AM Duration Hrs. 24

CIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size				
Casing:	Tubing:									
Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	300	15084	0	6	10.02	6	1	121.91	46	111.89
Test:	300	15084	6	1	121.91	11	1 1/2	222.95	40	101.04
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range					
Pipe Taps:	Flange Taps: <u>3 x 1.250</u>		Differential: <u>100"</u>			Static Pressure: <u>250#</u>		
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester In. Water	Pressure In. Merc.	Pressure Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	<u>3</u>	<u>1.250</u>	<u>38</u>		<u>81</u>		<u>.632</u>	<u>67°</u>
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
<u>7.771</u>	<u>95⁴</u>	$\sqrt{38 \times 95^4} = 60.2$	<u>1.258</u>	<u>.9933</u>	<u>1</u>	<u>---</u>

Gas Prod. MCFD 584 Oil Prod. Bbls./Day: 101.04 Gas/Oil Ratio (GOR) = 5780 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 5TH day of FEBRUARY, 1988

For Offset Operator

James R. King
For State

James R. King
For Company
FILED
CORPORATION COMMISSION
2-19-88
CONSERVATION DIVISION
Wichita, Kansas