

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & COR REPORT

FEB 1 1988

Conservation Division
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 2-5-88
 Company: CITIES SERVICE OIL + GAS Lease: MARTENEY D-1 Well No. _____
 County: SEWARD Location: 300 FNL - 2920 FWL Section: 2620 Township: 32 Range: 34 Acres: 40
 Field: HITCH Reservoir: MORROW Pipeline Connection: PEPL
 Completion Date: 4-7-85 Type Completion (Describe): SINGLE Plug Back T.D.: 6438 Packer Set At: _____
 Production Method: Flowing Pumping Gas Lift Type Fluid Production: OIL/WATER API Gravity of Liquid/Oil: 38
 Casing Size: 5 1/2 Weight: 14 # I.D.: 5.012 Set At: 6490 Perforations: 5801 To: 5808
 Tubing Size: 2 3/8 Weight: 4.7 # I.D.: 1.995 Set At: 5788 Perforations: _____ To: _____

Pretest: Starting Date 2-3-88 Time 10:15 AM Ending Date 2-4-88 Time 10:15 AM Duration Hrs. 24
 Test: Starting Date 2-4-88 Time 10:30 AM Ending Date 2-5-88 Time 10:30 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 15090	8	2	163.66	8	10 1/2	177.86	0	14.2
Test:	300 15090	8	10 1/2	177.86	9	6	190.38	0	12.5
Test:									

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range			
Pipe Taps:		Flange Taps: <u>3 x 1.000</u>		Differential: <u>100"</u>		Static Pressure: <u>250 #</u>	
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure In. Water	Tester Pressure In. Merc.	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	<u>3</u>	<u>1.000</u>	<u>6</u>		<u>80</u>	<u>.738</u>	<u>21</u>
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (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>4.912</u>	<u>94⁴</u>	$\sqrt{6 \times 94^4} = 23.8$	<u>1.164</u>	<u>1.040</u>	<u>1</u>	—

Gas Prod. MCFD: _____ Oil Prod. Bbls./Day: 12.5 Gas/Oil Ratio (GOR) = 11360 Cubic Ft. per Bbl. _____
 Flow Rate (R): 142

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. Ray
 For State

James R. Ray
 For Company

RECEIVED
 CORPORATION COMMISSION
 FEB 9 1988
 2-19-88
 CONSERVATION DIVISION
 WICHITA, KANSAS