

max only

NP

STATE OF KANSAS - CORPORATION COMMISSION  
PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE: 10-3-95

Company APC Lease SAUNDERS Well No. A-2

County SEWARD Location 1980FNL + 660FWL Section 35 Township 32 Range 31 Acres

Field MASSONI Reservoir Hodges Pipeline Connection None

Completion Date 9-18-95 Type Completion(Describe) Plug Back T.D. 5186 Packer Set At NA

Production Method: (Pumping) Gas Lift Type Fluid Production OIL API Gravity of Liquid/Oil 31.3 @ 60'

Flowing Casing Size	Weight	I.D.	Set At	Perforations	To
<u>5.500</u>	<u>15.5</u>	<u>4.950</u>	<u>5186</u>	<u>4910</u>	<u>4914</u>
Tubing Size	Weight	I.D.	Set At	Perforations	To
<u>2.375</u>	<u>4.7</u>	<u>1.995</u>	<u>4983</u>		

Pretest: Starting Date 10-11-95 Time 9:30A Ending Date 10-12-95 Time 9:28A Duration Hrs. 24

Test: Starting Date 10-12-95 Time 9:45A Ending Date 10-13-95 Time Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure	Separator Pressure	Choke Size
Casing: <u>32.5</u>	Tubing: <u>ON PUMP</u>	<u>NA</u>

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	<u>300</u>	<u>34442</u>	<u>3</u>	<u>10</u>	<u>76.82</u>	<u>5</u>	<u>5"</u>	<u>108.55</u>	<u>12</u>	<u>31.73</u>
Test:	<u>300</u>	<u>34442</u>	<u>5</u>	<u>5</u>	<u>108.55</u>	<u>6'</u>	<u>11"</u>	<u>138.70</u>	<u>9</u>	<u>30.15</u>
Test:	<u>300</u>	<u>34442</u>	<u>6'</u>	<u>11"</u>	<u>138.70</u>	<u>8</u>	<u>6"</u>	<u>170.34</u>	<u>9</u>	<u>31.64</u>

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections	Orifice Meter Range
Pipe Taps: Flange Taps: Differential: Static Pressure:	<u>100"</u>

Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure In.Water In.Merc. Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (G)	Flowing Temp (F)
Orifice Meter						
Critical Flow Prover						
Orifice Well Tester	<u>2"</u>	<u>0.250</u>	<u>0-100"</u>	<u>10"</u>		

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)

Gas Prod. MCFD Flow Rate (R): 19MCFD Oil Prod. Bbls./Day: 31.64 Gas/Oil Ratio (GOR) = 600.5 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 \_\_\_\_\_ day of \_\_\_\_\_ 19

For Offset Operator \_\_\_\_\_ For State \_\_\_\_\_ For Company \_\_\_\_\_

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST  
BARREL TEST

OPERATOR \_\_\_\_\_ LOCATION OF WELL \_\_\_\_\_  
 LEASE \_\_\_\_\_ OF SEC. \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_  
 WELL NO. \_\_\_\_\_ COUNTY \_\_\_\_\_  
 FIELD \_\_\_\_\_ PRODUCING FORMATION \_\_\_\_\_  
 Date Taken \_\_\_\_\_ Date Effective \_\_\_\_\_  
 Well Depth \_\_\_\_\_ Top Prod. Form \_\_\_\_\_ Perfs \_\_\_\_\_  
 Casing: Size \_\_\_\_\_ Wt. \_\_\_\_\_ Depth \_\_\_\_\_ Acid \_\_\_\_\_  
 Tubing: Size \_\_\_\_\_ Depth of Perfs \_\_\_\_\_ Gravity \_\_\_\_\_  
 Pump: Type \_\_\_\_\_ Bore \_\_\_\_\_ Purchaser \_\_\_\_\_  
 Well Status \_\_\_\_\_  
 Pumping, flowing, etc.

TEST DATA

Permanent \_\_\_\_\_ Field \_\_\_\_\_ Special \_\_\_\_\_  
 Flowing \_\_\_\_\_ Swabbing \_\_\_\_\_ Pumping \_\_\_\_\_

STATUS BEFORE TEST:

PRODUCED \_\_\_\_\_ HOURS  
 SHUT IN \_\_\_\_\_ HOURS  
 DURATION OF TEST \_\_\_\_\_ HOURS \_\_\_\_\_ MINUTES \_\_\_\_\_ SECONDS  
 GAUGES: WATER \_\_\_\_\_ INCHES \_\_\_\_\_ PERCENTAGE  
 OIL \_\_\_\_\_ INCHES \_\_\_\_\_ PERCENTAGE  
 GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) \_\_\_\_\_  
 WATER PRODUCTION RATE (BARRELS PER DAY) \_\_\_\_\_  
 OIL PRODUCTION RATE (BARRELS PER DAY) \_\_\_\_\_ PRODUCTIVITY  
 STROKES PER MINUTE \_\_\_\_\_  
 LENGTH OF STROKE \_\_\_\_\_ INCHES  
 REGULAR PRODUCING SCHEDULE \_\_\_\_\_ HOURS PER DAY.  
 COMMENTS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

WITNESSES:

FOR STATE \_\_\_\_\_ FOR OPERATOR \_\_\_\_\_ FOR OFFSET \_\_\_\_\_