

STATE OF KANSAS - CORPORATION COMMISSION 15-129-20386-00-00 <sup>NP</sup>  
 PRODUCTION TEST & GOR REPORT

Conservation Division Form C-5 Revised

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 11-16-94  
 Company OXY USA INC. Lease DUGAN Well No. A-1  
 County Martin Location 1049' ENL 4 660FEL Section 5 Township 34S Range 42W Acres  
 Field Morrow Reservoir Morrow Pipeline Connection CIG  
 Completion Date 3-4-80 Type Completion (Describe) Single Plug Back T.D. 4656 Packer Set At N/A  
 Production Method: Pumping Gas Lift Type Fluid Production Oil API Gravity of Liquid/Oil  
 Flowing Casing Size 5 1/2 Weight 14# I.D. 5.012 Set At 4700' Perforations 4295' To 4301'  
 Tubing Size 2 3/4 Weight 4.7# I.D. 1.995 Set At 4342 Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.  
 Test: Starting Date 11-16-94 Time 10:15 AM Ending Date 11-17-94 Time 10:15 AM Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure			Choke Size	
Casing:	<u>49 psig</u>	Tubing:	<u>3 psig</u>			
Bbls./In.	Tank	Starting Gauge		Ending Gauge		Net Prod. Bbls.
	Size Number	Feet	Inches	Feet	Inches	Water Oil
Pretest:						
Test:	<u>300bl</u>	<u>71992</u>	<u>7</u>	<u>6</u>	<u>150.30</u>	<u>8</u> <u>8</u> <u>173.68</u> <u>0</u> <u>23.38</u>
Test:						

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range				
Pipe Taps:	Flange Taps:	<u>X</u>	Differential:	<u>50</u>	Static Pressure:	<u>250</u>	
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester In. Water	Pressure In. Merc. Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	<u>4.026</u>	<u>1.250</u>		<u>45.1</u>	<u>12.5</u>	<u>.8041</u>	<u>49°F</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 (Fdv)	Chart Factor (Fcd)
<u>7.661</u>	<u>59.5</u>	<u>27.272</u>	<u>1.115</u>	<u>1.011</u>	<u>X</u>	<u>X</u>
Gas Prod. MCFD	Oil Prod. Bbls./Day	Gas/Oil Ratio (GOR)	Cubic Ft. per Bbl.			
Flow Rate (R): <u>235</u>	<u>23.38</u>	<u>10.051</u>				

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 18<sup>th</sup> day of November 19 94

For Offset Operator \_\_\_\_\_ For State Richard M. Lucas For Company [Signature]

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 \_\_\_\_\_