

15-093-21204-0001

PRODUCTIVITY TEST
BARREL TEST

1380

OPERATOR Helmerich & Payne LOCATION OF WELL SW-SE-NE
 LEASE Flint Hills OF SEC. 14 T 26 R 35
 WELL NO. 1 COUNTY Kearny
 FIELD unnamed PRODUCING FORMATION hansing
 Date Taken 28 Jan 93 Date Effective 29 Jan 93
 Well Depth 5200 Top Prod. Form hansing F Perfs 4129'-4134'
 Casing: Size 5 1/2" Wt. 14 lbs./ft. Depth 5200 Acid 750 gal 15% HCl
 Tubing: Size 2-3/8 @ 4232' Depth of Perfs 4129'-4134 Gravity 33.0 @ 40°F
 Pump: Type INSERT Bore 1 1/2" Purchaser Coastal Ref.
 Well Status Pumping
 Pumping, flowing, etc.

TEST DATA

Permanent Field Special _____
 Flowing _____ Swabbing _____ Pumping

STATUS BEFORE TEST:

PRODUCED 24 HOURS

SHUT IN 0 HOURS

DURATION OF TEST 24 HOURS 0 MINUTES 0 SECONDS

GAUGES: WATER 2 1/2 INCHES 16% PERCENTAGE

OIL 8 1/2 INCHES 84% PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 22

WATER PRODUCTION RATE (BARRELS PER DAY) 8

OIL PRODUCTION RATE (BARRELS PER DAY) 14 PRODUCTIVITY

STROKES PER MINUTE 11

LENGTH OF STROKE 54 INCHES

REGULAR PRODUCING SCHEDULE 24 HOURS PER DAY.

COMMENTS Tank # 9666 1st gauge 3'-2" @ 2:40 pm 1-28-93

Tank # 9666 2nd gauge 3'-10 1/2" @ 2:40 - 1-29-93

TOTAL inches OIL = 8.5 @ 1.67 bbl/inv. = 14

Water gauge 1st 3'-10" @ 2:40 pm 1-28-93 2nd gauge 4 1/2" = 8661

* St. Louis B Perfs @ 5048-5052 4 shots / ft - Plugged Not Producing.

WITNESSES:

[Signature]
FOR STATE

[Signature]
FOR OPERATOR

FOR OFFSET

RECEIVED
STATE CORPORATION COMMISSION

FEB 23 1993

CONSERVATION DIVISION
Wichita, Kansas

**STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & GOR REPORT**

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual Workover Reclassification **TEST DATE:**

Company _____ **Lease** _____ **Well No.** _____

County _____ **Location** _____ **Section** _____ **Township** _____ **Range** _____ **Acres** _____

Field _____ **Reservoir** _____ **Pipeline Connection** _____

Completion Date _____ **Type Completion(Describe)** _____ **Plug Back T.D.** _____ **Packer Set At** _____

Production Method: _____ **Type Fluid Production** _____ **API Gravity of Liquid/Oil** _____

Flowing **Pumping** **Gas Lift**
Casing Size **Weight** **I.D.** **Set At** **Perforations** **To**

Tubing Size **Weight** **I.D.** **Set At** **Perforations** **To**

Pretest: _____ **Duration Hrs.** _____

Starting Date **Time** **Ending Date** **Time**

Test: _____ **Duration Hrs.** _____

Starting Date **Time** **Ending Date** **Time**

OIL PRODUCTION OBSERVED DATA

<u>Producing Wellhead Pressure</u>		<u>Separator Pressure</u>			<u>Choke Size</u>				
<u>Casing:</u>		<u>Tubing:</u>							
Bbls./In.	Tank		Starting Gauge		Ending Gauge		Net Prod. Bbls.		
	Size	Number	Feet	Inches	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:									
Test:									

GAS PRODUCTION OBSERVED DATA

<u>Orifice Meter Connections</u>			<u>Orifice Meter Range</u>				
<u>Pipe Taps:</u>		<u>Flange Taps:</u>		<u>Differential:</u>		<u>Static Pressure:</u>	
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-In.Water	Tester Pressure In.Merc. Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter							
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(CWTC)	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 _____ **Oil Prod. Bbls./Day:** _____ **Gas/Oil Ratio (GOR) =** _____ **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 _____