

TEST:  INITIAL  
 ANNUAL  
 RETEST

**OKLAHOMA CORPORATION COMMISSION**

Oil & Gas Conservation Division  
 Post Office Box 52000  
 Oklahoma City, Oklahoma 73152-2000

Form 1016  
 Rev. 2017

**BACK PRESSURE TEST FOR NATURAL GAS WELLS**

OAC 165:10-17-6

DATE OF TEST:

DATE OF 1<sup>ST</sup> SALES :

Operator								Operator #	
Address					City		ST	ZIP	
E-mail			Ph		Fax		Well Name/#		
Gas Volume Reporter				Gas Volume			API #		
Producing Zone								OTC Lease #	
Surface Location		1/4	1/4	1/4	1/4	Sec	Twp	Rge	(OCC use) Allowable #
Zone Location (if		1/4	1/4	1/4	1/4	Sec	Twp	Rge	County
Field								Spacing Size	

COMPLETION:  Single  Multiple Zone  Commingled  Recompletion Date of Completion \_\_\_\_\_

Total Depth		Plug Back Depth		Packer Set Depth		Elevation		
Csg Size		WT	d	Depth Set		Perfs.		
Tbg Size		WT	d	Depth Set		Perfs.		
Prod. Thru		Res. Temp. F @		Mean Grd. Temp. F		Atm. Press. PSIA		
L	H	G <sub>g</sub>	%CO <sub>2</sub>	%N <sub>2</sub>	H <sub>2</sub> S(ppm)	Prover	Meter Run	Taps

SHUT-IN DATA		FLOW DATA					TUBING DATA		CASING DATA		BHP DATA		FLOW (HRS)
PRESS	(HRS)	PROVER			DIFF		PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	
		LINE SIZE	X	ORIFICE SIZE	PRESS (PSIG)	(INCHES) (ROOTS)							

RATE OF FLOW CALCULATIONS

COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	PRESSURE P <sub>m</sub>	FLOW TEMP. FACTOR F <sub>t</sub>	GRAVITY FACTOR F <sub>g</sub>	SUPER COMPRESS FACTOR F <sub>pv</sub>	RATE OF FLOW (Q) MCFD

P <sub>r</sub>	TEMP. R	T <sub>r</sub>	Z

Gas/Liquid Hydrocarbon Ratio		MCF/BBL
API Gravity of Liquid Hydrocarbons		Deg.
Specific Gravity Separator Gas		Specific Gravity Flowing
Critical Pressure	PSIA	Critical Pressure
Critical Temperature	R	Critical Temperature

P<sub>c</sub> \_\_\_\_\_ (PSIA) P<sub>c</sub><sup>2</sup> \_\_\_\_\_

P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>

[1]  $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{\quad}{\quad}$  (Not to exceed 5.263)

[2]  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \quad$  WHAOF=Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \quad$

Calculated wellhead open flow \_\_\_\_\_ MCFD @ 14.65 Angle of Slope \_\_\_\_\_ Slope, n \_\_\_\_\_

Remarks \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Approved by Commission: \_\_\_\_\_ Conducted by: \_\_\_\_\_ Calculated by: \_\_\_\_\_ Checked by: \_\_\_\_\_

WITNESSED - OCC FIELD STAFF: Y  N  NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

(over)

IF THE ALLOWABLE FOR THIS WELL HAS BEEN ADJUSTED BY COMMISSION ORDER, PLEASE GIVE THE ORDER NUMBER(S) IN ONE OR MORE OF THE CATEGORIES BELOW:

INCREASED DENSITY \_\_\_\_\_ LOCATION EXCEPTION\* \_\_\_\_\_

COMMINGLING \_\_\_\_\_ MULTIPLE ZONE \_\_\_\_\_

SEPARATE OR SPECIAL ALLOWABLE\* \_\_\_\_\_

OTHER PENALTY ORDER(S)\* \_\_\_\_\_

\* FOR THESE ORDER TYPES, PLEASE DESCRIBE ALLOWABLES AND/OR PENALTIES:

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I declare that I have knowledge of the contents of this report and am authorized by my organization to make this report, which was prepared by me or under my supervision and direction, with the data and facts stated herein to be true, correct and complete to the best of my knowledge and belief.

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SIGNATURE

TITLE

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COMPANY

DATE

PHONE NO.

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Pc SHUT-IN PRESSURE, PSIA (LENGTH OF SHUT-IN MINIMUM OF 24 HOURS).

Pw STATIC COLUMN WELLHEAD PRESSURE CORRESPONDING TO THE FLOWING WELLHEAD PRESSURE, PSIA (TO BE RECORDED AT END OF EACH FLOW RATE.) THE VALUE OF Pw SHOULD NOT EXCEED 90% OF Pc.

Gg SPECIFIC GRAVITY OF SEPARATOR GAS (AIR = 1.000).

L LENGTH OF THE FLOW STRING FROM THE MIDDLE OF THE PRODUCING FORMATION TO THE PRESSURE POINT AT WELLHEAD, FEET.

H VERTICAL DEPTH CORRESPONDING TO L, FEET.

Q 24 HOUR RATE OF FLOW, MCF/D.

d INSIDE DIAMETER, INCHES.

R DEGREES, RANKINE (DEGREES FAHRENHEIT ABSOLUTE).

Pr REDUCED PRESSURE, DIMENSIONLESS.

Tr REDUCED TEMPERATURE, DIMENSIONLESS.

Z COMPRESSIBILITY FACTOR, DIMENSIONLESS.