

Pool Summit Queen Lea

Initial 5 X Date of Test 6-18 to 6-22-56

Company Humble Oil & Refining Company Humble State Aggies Well No. 7

Unit B 31 20 S 37 E El Paso Natural Gas Company

Casing 5 1/2 17 1.892 3740 3305 To 3345

Tubing 2 1 1/2 1.995 3444 3440 To 3444

Gas Pay: From 3305 To 3345 3440 0.675 2322 Bar.Press. 13.2

Producing From: Casing X single

Date of Completion: 7-24-53 3280 90

Tested 1 Flange

No.	Flow Data		Casing Data		Casing Data		Duration of Flow Hr.
	Press.	Temp.	Press.	Temp.	Press.	Temp.	
SI							
1.							72
2.	1.500	579	16.0	54	959		24
3.	1.500	583	27.04	54	952		24
4.	1.500	573	45.56	54	927		24
5.	1.500	563	81.90	53	890		24

No.	Flow Data		Casing Data		Casing Data		Rate of Flow Q-MCFPD @ 15.025 psia
	Press.	Temp.	Press.	Temp.	Press.	Temp.	
1.	13.99	97.34	592.2	1.0058	0.9427	1.070	1382
2.	13.99	127.0	596.2	1.0058	0.9427	1.075	1811
3.	13.99	163.4	586.2	1.0058	0.9427	1.070	2319
4.	13.99	212.3	576.2	1.0068	0.9427	1.070	3016
5.							

Gas Liquid Hydrocarbon Separator Gas Gravity of Liquid Hydrocarbon Separator Gas Gravity of Flowing Fluid

No.	P _w						Cal. P _w	F _w P _c	
	F _t (psi)								
1.	972.2	945.2	13.73	188.51	27.9	973.1	29.3	879.2	87.7
2.	965.2	931.6	17.99	323.64	47.9	979.5	22.9	989.7	98.7
3.	946.2	884.0	23.04	536.84	78.6	962.6	39.8	981.1	97.9
4.	109.2	815.8	29.97	896.20	132.9	942.7	53.7	974.0	97.2
5.									

Absolute Potential: -
 COMPANY Humble Oil & Refining Company
 ADDRESS Box 2347, Hobbs, New Mexico
 AGENT District Superintendent
 WITNESSES -
 COMPANY - Test No. 1, poor point alignment, see test No. 2.

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia

P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if
flowing through casing.) psia

P_f = Meter pressure, psia.

h_w = Differential meter pressure, inches water.

F_g = Gravity correction factor.

F_t = Flowing temperature correction factor.

F_{pv} = Supercompressability factor.

n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .