

NEW MEXICO OIL CONSERVATION COMMISSION

Form 3-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wildcat Formation Pictured Cliff County San Juan
Initial X Annual _____ Special _____ Date of Test 3/25/56
Company J. Glenn Turner Lease Huerfano Well No. 30-27
1370'S, 1700'W
Unit K Sec. 27 Twp. 27N Rge. 9W Purchaser _____
Casing 5 1/2 Wt. 15.5 I.D. _____ Set at 2310 Perf. _____ To _____
Tubing 1 Wt. 1.68 I.D. _____ Set at 2366 Perf. _____ To _____
Gas Pay: From 2310 To 2425 L _____ xG .660 -GL _____ Bar.Press. _____
Producing Thru: Casing X Tubing _____ Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: _____ Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						648		649		
1.		3/4				7/4	66	34		3 h.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	14.1605		50	.9943	.9535	1.000	671
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c _____ P_c _____

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w /P _c
1.									
2.									
3.									
4.									
5.									

Absolute Potential: 681 MCFPD; n .85
COMPANY El Paso Natural Gas Company
ADDRESS Box 997, Farmington, N.M.
AGENT and TITLE Tom Grant, Gas Engineer
WITNESSED Virgil Steabs
COMPANY Benson-Martin-Greer

REMARKS

[illegible]