

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Wildcat Formation Pistared Cliff County San Juan
Initial I Annual _____ Special _____ Date of Test 3/25/56
Company J. Glenn Turner Lease Huerfano Well No. 40-27
Unit I Sec. 27 Twp. 27N Rge. 9W Purchaser _____
Casing 5 1/2 Wt. 15.5 I.D. _____ Set at 2246 Perf. _____ To _____
Tubing 1 Wt. _____ I.D. _____ Set at 2259 Perf. _____ To _____
Gas Pay: From 2246 To 2270 L _____ xG .660 -GL _____ Bar.Press. _____
Producing Thru: Casing I Tubing _____ Type Well Single
Date of Completion: _____ Packer _____ Single-Bradenhead-G. G. or G.O. Dual
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.	
1.		<u>3/4</u>	<u>61</u>			<u>622</u>	<u>66</u>	<u>3 hours</u>
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.	<u>14.1605</u>		<u>73</u>	<u>.9943</u>	<u>.9535</u>	<u>1.000</u>	<u>980</u>
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: 1.014 MCFPD; n .85
COMPANY El Paso Natural Gas Company
ADDRESS Box 277, Santa Fe, N.M.
AGENT and TITLE Tom Grant, Gas Engineer
WITNESSED Vir J. Stoebe
COMPANY Danston Martin Greer

REMARKS

OIL CONSERVATION COMMISSION

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