

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wildcat Formation Pictured Cliff County San Juan
Initial X Annual _____ Special _____ Date of Test 3/20/56
Company El Paso Natural Gas Company Lease Morris Well No. 4
Unit M Sec. 28 Twp. 30N Rge. 11W Purchaser El Paso Natural Gas Co.
Casing 7 Wt. _____ I.D. _____ Set at 2289 Perf. _____ To _____
Tubing 1 1/4 Wt. _____ I.D. _____ Set at 2320 Perf. _____ To _____
Gas Pay: From 2289 To 2334 L _____ xG 0.635 -GL _____ Bar.Press. _____
Producing Thru: Casing X Tubing _____ Type Well _____
Date of Completion: _____ Packer _____ Reservoir Temp. _____
Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Choke 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.	
1.		<u>3/4</u>	<u>(13)</u>			<u>639</u>	<u>60</u>	<u>639</u>	<u>(13)</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.							
2.	<u>Flow not critical - choke pressure = 13 psig.</u>						<u>266</u>
3.	<u>(5.1° H₂O) Water separator 4</u>						
4.							
5.							

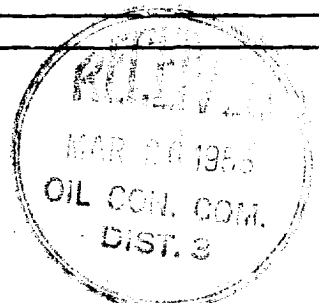
PRESSURE CALCULATIONS

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_c² _____

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: 266 MCFPD; n 0.85
COMPANY El Paso Natural Gas Company
ADDRESS Box 977, Farmington, N.M.
AGENT and TITLE T. E. Grant, Gas Engineer
WITNESSED _____
COMPANY _____

REMARKS



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