

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4-2-82		ARTESIA, OFFICE	
Company Jubilee Energy Corporation			Connection El Paso Natural Gas		
Pool Undesignated Bone Spring			Formation Bone Spring		Unit Undesignated
Completion Date 3-11-82		Total Depth 6925'	Plug Back TD 6871'	Elevation 3171' KB	Farm or Lease Name Hay Hollow Federal
Coq. Size 5 1/2"	Wt. 15.5#	Set At 6925'	Perforations: From 6178' To 6849'		Well No. 1
Thq. Size 2 7/8"	Wt. 6.4#	Set At 6813'	Perforations: From 6783' To 6813'		Unit Sec. Twp. Rge. 0 1 26-S 27-E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At none		County Eddy
Producing Thru Tubing		Reservoir Temp. °F #	Mean Annual Temp. °F		State NM
L	H	Gg	% CO ₂ .59	% N ₂ .58	% H ₂ S 0
Prover		Meter Run		Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI				310					1189		
1.	6"	X	1/2"	690			690		891		.5 hr.
2.	6"	X	1/2"	60			60		390		1.5 hr.
3.	6"	X	2"	25			25		300		1.0 hr.
4.	6"	X	2"	22			22		231		5.0 hr.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							2631
2.							541
3							345
4.							186
5.							

NO.	F _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ .594 X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _i ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____
1						
2						
3						
4						
5						

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

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope Θ _____	Slope, n _____
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Remarks: Well down. Prep to workover or P&A.

Approved By Division	Conducted By: El Paso Natural Gas	Calculated By:	Checked By:
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