

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9/28/89	
Company Union Texas Petroleum Corp.		Connection Gas Company of New Mexico	
Pool Blanco/Basin/Wildhorse		Formation Mesaverde/Dakota/Gallup	
Completion Date 5/11/89		Total Depth 7650	Plug Back TD 7644
Elevation 6647 GL		Farm or Lease Name Jicarilla "H"	
Csg. Size 4.500	Wt. 23.0	d 11.6	Set At 3306-7650
Perforations: From 4929 To 7605		Well No. 8E	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7569
Perforations: From Open End To		Unit Sec. Twp. Rge. G 19 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas & Oil Multiple			
Producing Thru Tubing		Reservoir Temp. °F #	Mean Annual Temp. °F
Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.690	% CO ₂ % N ₂ % H ₂ S
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.	
SI	2"		3/4"				709		709	
1.							64	59°	601	59°
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		76	1.0010	0.9325	1.012	888
2.							
3.							
4.							
5.							

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

P _c 721	P _c ² 519,841	
NO.	P _i ²	P _w ²
1		613
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.6082$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2325$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.6179$

Absolute Open Flow _____ 2325 _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n _____ 0.75
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Remarks: Heavy mist of 30% oil, 70% water.

Approved By Division	Conducted By: Mike Smith	Calculated By: John Rector	Checked By:
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