

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11/5/84	
Company Union Texas Petroleum Corp.				Connection Gas Company of New Mexico	
Pool Basin B.S. Mesa				Formation Dakota Gallup	
Completion Date 9/17/84		Total Depth 7930		Plug back TD 7883	
Elevation 6743		Farm or Lease Name Jicarilla "G"			
Csq. Size 5.500	Wt. 15.50	d 4.950	Set At 7618	Perforations: From 6626 To 7818	
Well No. 8-E					
Tsq. Size 2.375	Wt. 4.70	d 1.995	Set At 7780	Perforations: Open-Ended From To	
Unit I	Sec. 2	Twp. 26N	Rge. 5W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single (Gallup-Dakota Commingled)				Packer Set At NA	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _g 12		State New Mexico			
L 7773	H	G _g 0.650	% 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.	Temp. °F	
SI	2		3/4"				1812		1867		7 days
1.							193	66°	821		3 hours
2.											
3.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		205	0.9943	0.9608	1.019	2468
2.							
3.							
4.							
5.							

NO.	P _r	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 _____ 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

P _c 1879	P _c ² 3,530,641		
NO.	P _t ²	P _w	P _w ²
1		833	693,889
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2446$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2908$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1783$

Absolute Open Flow	2908	Mcfd @ 15.025	Angle of Slope @	Slope, n 0.75
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Remarks:

Approved By Division	Conducted By: John Rector	Calculated By: Ken Roddy	Checked By:
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