

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11/21/84	
Company Union Texas Petroleum Corp.		Connection El Paso Natural Gas Company	
Pool Basin		Formation Dakota	
Completion Date 11/5/84		Total Depth 6460	Plug Back TD 6414
		Elevation 5626	Form or Lease Name McCord
Csq. Size 4.500	Wt. 10.50	d 4.052	Set At 6459
Perforations: From 6186 To 6360		Well No. 13-E	
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 6329
Perforations: Open-Ended From To		Unit Sec. Twp. Rge. I 22 30N 13W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At NA	
Producing Thru Tubing		Reservoir Temp. °F #	
Mean Annual Temp. °F		Baro. Press. - P _a 12	
State New Mexico			
L 6317	H	Gg 0.650	% CO ₂
% N ₂	% H ₂ S	Prover	Meter Run
Taps			
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
SI	2"		3/4"
1.			
2.			
3.			
4.			
5.			
TUBING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.
1.	1814	79°	847
2.			
3.			
4.			
5.			
CASING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.
1.			
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	12.3650		244
2.			
3.			
4.			
5.			
NO.	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}
1	0.9822	0.9608	1.022
2.			
3.			
4.			
5.			
NO.	R _f	Temp. °R	T _f
1			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
P _c 1826 P _c ² 3,334,276			
NO.	P _i ²	P _w	P _w ²
1		859	737,881
2.			
3.			
4.			
5.			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2842$			
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2063$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3510$			
Absolute Open Flow 3510 Mcfd @ 15.025 Angle of Slope θ Slope, n 0.75			
Remarks:			
Approved By Division			
Conducted By: Connie Clevenger			
Calculated By: Ken Roddy			
Checked By:			