

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

NOV 23 1981
OIL CON. COM.
DIST. 3

Type Well ☐ Initial ☐ Annual ☒ Special		Test Date 11/11/81	
Company Supron Energy Corporation		Connection	
Pool Ballard		Formation Pictured Cliffs	
Completion Date 8/20/81		Total Depth 3001	
Plug back TD		Elevation 6299 GL	
Farm or Lease Name Nickson		Well No. 21	
Csg. Size 2.875	Wt. 6.40	d 2.441	Set At 2885
Perforations: From 2230 To 2260		Well No. 21	
Trg. Size None	Wt.	d	Set At
Perforations: From To		Unit Sec. Twp. Rys. L-11-26N-8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At	
County San Juan		State New Mexico	
Producing Thru Casing		Reservoir Temp. °F	
Mean Annual Temp. °F		Baro. Press. - P _g	
L	H	Cg est. .650	% CO ₂
% N ₂	% H ₂ S	Provat	Meter Run
Taps			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
Provd. Size	Provd. Size	Provd. Size	Provd. Size	Provd. Size	Provd. Size	Provd. Size	Provd. Size	Provd. Size	Provd. Size	
SI								756		72 days
1.		.750	16		54			16	54	3 Hrs.
2.										
3.										
4.										
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, Mcld
1	12.3650		28	1.0058	.9608	1.0000	335
2.							
3.							
4.							
5.							

NO.	P _g	Temp. °R	T _g	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 768	P _c ² 589824				
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²	
1	784	33	1116	588708	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0019$
2					(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0016$
3					
4					
5					

Absolute Open Flow 336 Mcld @ 15.025 Angle of Slope ̸ Slope, n .85

Remarks:

Approved By Division Conducted By: CRW Calculated By: Checked By: