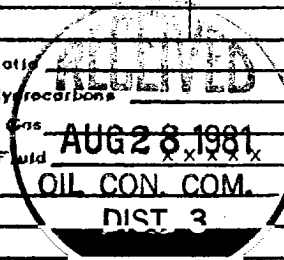


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 8/27/81									
Company DEPCO, INC.		Connection not connected									
Pool West Kutz		Formation Pictured Cliffs									
Completion Date 8/19/81	Total Depth 1777' KB	Plug Back TD 1750' KB	Elevation 6073' GL								
Form or Lease Name Federal		Well No. 31 #21									
Cng. Size 4.5"	Wt. 10.5#	Set At 1770' KB	Perforations: From 1580' To 1600'								
Tbg. Size 1.315"	Wt. 1.7#	Set At 1573' KB	Perforations: From To								
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At -	County San Juan								
Producing Thru Tbg.	Reservoir Temp. °F e	Mean Annual Temp. °F	Baro. Press. - P ₀ State New Mexico								
L	H	G ₀	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps								
FLOW DATA											
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	Duration of Flow
SI							474#		474#		7 day SI
1.	2	X	3/4"				-		251#		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1											
2.			PITOF	POTENTIAL			215				
3.											
4.											
5.											
NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.					
1.					A.P.J. Gravity of Liquid Hydrocarbons	Deq.					
2.					Specific Gravity Separator Gas	XXXXXX					
3.					Specific Gravity Flowing Fluid	XXXXXX					
4.					Critical Pressure	P.S.I.A.					
5.					Critical Temperature	R					
											
P _c	486	P _c ²	236,196								
NO	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4141$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3425$					
1	-	263	69169	167,027							
2											
3											
4											
5											
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 289$											
Absolute Open Flow		289		Mcf/d @ 15.025		Angle of Slope @					
						Slope, n = .85					
Remarks:											
Approved by Completion: Conducted by: Crum Calculated by: Crum Checked by:											