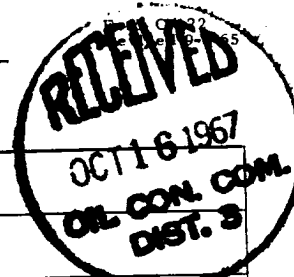


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10-5-67	
Company SKelly Oil Co.		Connection Unconnected	
Pool BASIN		Formation Dakota	
Completion Date 9-25-67		Total Depth 7129	Plug Back TD 7035
Elevation 6650		Farm or Lease Name JICARILLA "B"	
Coq. Size 5.500	Wt. 15.5	d 4.950	Set At 7123
Perforations: From 6900 To 6938		Well No. 3	
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 6860
Perforations: From - To -		Unit Sec. Twp. Rge. D 5 24N 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 6860	County Rio Arriba
Producing Thru Tbq.		Reservoir Temp. °F 140	Mean Annual Temp. °F 65
Baro. Press. - P _a 12.2		State New Mexico	
L 6860	H 6860	G _g 735	% 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	3/4" x 6" choke nipple						2219		Packer		
1.	2.000	X	.750	-	-	-	105	45	-	-	1 hr.
2.	2.000	X	.750	-	-	-	87	45	-	-	2 hr.
3.	2.000	X	.750	-	-	-	78	45	-	-	3 hr.
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, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650	-	117.2	1.0147	.9035	Negligible	1328
2	12.3650	-	99.2	1.0147	.9035	-	1124
3	12.3650	-	90.2	1.0147	.9035	-	1022
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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 2231	P _c ² 4977361	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0073$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0059$
NO.	P _c ²	P _w	P _w ²
1			
2			
3	8136	191	36542
4			
5			

Absolute Open Flow 1028 Mcfd @ 15.025		Angle of Slope θ	Slope, n -75
Remarks:			
Approved By Commission:	Conducted By: M. E. Hergenrother	Calculated By: R. P. Hergenrother	Checked By: M. E. Malville