

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

Form C-122
Revised 9-1-65

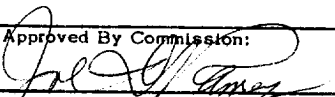
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-19-70	
Company SKELLY OIL COMPANY				Connection SKELLY OIL COMPANY	
Pool Blinebry (Gas)				Formation Blinebry	
Completion Date 7-6-55		Total Depth 6140		Plug Back TD 5774	
				Elevation 3324 DF	
Farm or Lease Name Baker "C"					
Csg. Size 7"	Wt. 20-23#	d 6.456	Set At 6140	Perforations: From 5398 To 5734	
Tbg. Size 2-3/8"	Wt. 4.7#	d 2.0	Set At 5677	Perforations: From - To -	
Well No. 1					
Unit Sec. Twp. Rge. A 26 22s 37E					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				County Lea	
Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 13.2	
State New Mexico					
L 5677	H 5677	Gg .705	% CO ₂ -	% N ₂ -	% H ₂ S -
Prover -		Meter Run 4"		Taps Flange	

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
1.	4		1.750	34	32"	83	655.3	98	801	98	72
2.							195	77	560	78	24
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	14.93	38.86	47.2	.9786	1.191	1.000	676
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio 48,286 Mcf/bbl.
1.	.071	543	1.39	1.000	A.P.I. Gravity of Liquid Hydrocarbons 38.5 Deg.
2.					Specific Gravity Separator Gas .705
3.					Specific Gravity Flowing Fluid X X X X X
4.					Critical Pressure 668 P.S.I.A.
5.					Critical Temperature 392 R

P _c 668.5	P _c ² 446.9	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{3.778}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{3.308}$
NO.	P _t ²	P _w	P _w ²
1.		573.2	328.6
2.			
3.			
4.			
5.			

Absolute Open Flow 2236 Mcfd @ 15.025		Angle of Slope θ	Slope, n .900
Remarks: (N) taken from average slope for this field as determined by Northern Natural Gas Company.			
Approved By Commission: 	Conducted By: H. E. Davenport	Calculated By: J. D. Yancy	Checked By: