

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 6-3-75	
Company Skelly Oil Company				Connection Not Connected			
Pool Basin				Formation Dakota		Unit	
Completion Date		Total Depth 6874 K.B.		Plug Back TD 6750 K.B.		Elevation 6726 K.B.	
Farm or Lease Name Mexico Federal "Q"		Well No. 1		Perforations: From 6630 G.L. To 6670 G.L.		Set At 6779 G.L.	
Csg. Size 4.500		Wt. 11.6		d 3.875		Perforations: From open To Ended	
Thq. Size 2.375		Wt. 4.7		d 1.995		Set At 6674 G.L.	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Singlr Gas				Packer Set At 6610 G.L.		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 164 °		Mean Annual Temp. °F		Baro. Press. - P _a 12.2	
State New Mexico		Prover 2.000		Meter Run		Taps	
L 6674		H 6674		G _g .720		% CO ₂	
% N ₂		% H ₂ S		Prover		Meter Run	
Taps		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							2060		Pkr		168 hr
1.	2.000	X .750		174		60		60			1
2.	2.000	X .750		145		60		60			2
3.	2.000	X .750		120		60		60			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	11.00		186.2	1.000	.9129	1.022	1911
2	11.00		157.2	1.000	.9129	1.018	1607
3	11.00		132.2	1.0000	.9129	1.016	1380
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1						
2						
3	17477	255	64932	4228252	1.0154	1.0115
4						
5						

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope @ _____		Slope, n .75	
Remarks:							
Approved By Commission: _____ Conducted By: Paul D. Berhost, Calculated By: Paul D. Berhost, Checked By: _____							