

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 6-26-75	
Company Skelly Oil Company				Connection Not Connected		
Pool Basin				Formation Dakota		Unit
Completion Date 6-14-75		Total Depth 7177		Plug Back TD 7144	Elevation 6338	Farm or Lease Name Paul Williams
Csg. Size 4.500	Wt. 11.60	d 3.875	Set At 7176 GL	Perforations: From 6925 To 7006		Well No. 3
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6961	Perforations: From Open To Ended		Unit F Sec. 35 Twp. 26N Rge. 6W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At 6899 GL		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 164 °		Mean Annual Temp. °F 12.2		State New Mexico
L 6961	H 6961	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover 2.000 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	2.000						2,440		Pkr.		168 hr SL
1.	2.000	X	.750			40	265	40			1
2.	2.000	X	.750			40	231	40			2
3.	2.000	X	.750			40	214	40			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	11.00		277.2	1.020	.9258	1.037	2986
2	11.00		243.2	1.020	.9258	1.032	2,607
3	11.00		226.2	1.020	.9258	1.029	2,478
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Ref/bbl
1					A.P.I. Gravity of Liquid Hydrocarbons	Reg
2					Specific Gravity Separator Gas	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

P_c **2452.2** P_c² **6013284**

NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3	51166	452.97	205183	5808101
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.035}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.026}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2481}$

Absolute Open Flow 2481	Mcfd @ 15.025	Angle of Slope °	Slope, n .75
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Remarks:

Approved By Commission:	Conducted By: Paul D. Berhost	Calculated By: Paul D. Berhost	Checked By: R.P. Hergenreter
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