

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 5-27-68	
Company Skelly Oil Company				Connection unconnected	
Pool undesignated				Formation Fruitland	
Completion Date 5-27-68		Total Depth 5115		Plug Back TD 1150 K.B.	
Elevation 5939 G.L.		Farm or Lease Name Navajo "G"			
Csg. Size 5.500" O.D.	Wt. 14#	Set At 5.012	Set At 5114	Perforations: From 1101 To 1114 K.B.	
Thg. Size 2.375	Wt. 4.7	Set At 1.995	Set At 1097 K.B.	Perforations: From 1097 w/ Pin Collar	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Tubing		Reservoir Temp. °F 86°		Mean Annual Temp. °F 12.2	
Baro. Press. - P _a 12.2		State New Mexico			
L 1089	H 1089	Gg 60	% 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	2" X 3/4"						350	60°	350	60°	
2.							144	60°	200	60°	1 hr
3.							122	60°	178	60°	2 hr
4.							111	60°	163	60°	3 hr
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		156.2	1.0000	1.291	1.010	2240
2.	11.00		134.2	1.0000	1.291	1.010	1925
3.	11.00		123.2	1.0000	1.291	1.010	1767
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 362.2	P _c ² 131182	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = \underline{1.3054}$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = \underline{1.2541}$
NO.	P _t ²	P _w	P _w ²
1.			
2.			
3.	15178	175.2	30695
4.			
5.			

Absolute Open Flow 2216 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .85
Remarks: _____			
Approved By Commission:	Conducted By: Parkhurst & Hergenroter	Calculated By: Parkhurst	Checked By: Frank Renard