

**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 8-22-75	
Company SHELL OIL COMPANY				Connection E.P.N.G.			
Pool				Formation DEVONIAN		Unit B-3 COM	
Completion Date Recompleted		Total Depth		Plug Back TD		Elevation	
Farm or Lease Name B-3 COM		Well No. 1		Unit F		Sec. Twp. Rge. 36 24 36	
Csg. Size 5 1/2	Wt. 6.5	d	Set At 12,965	Perforations: From 9843 To 9847		Well No.	
Thg. Size 2 1/2	Wt.	d	Set At 9,689	Perforations: From OPEN To END		Unit Sec. Twp. Rge. F 36 24 36	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 9689		County Lea	
Producing Thru TBG		Reservoir Temp. °F 172 @ 9845		Mean Annual Temp. °F		Baro. Press. - P _a N.M.	
L 9689	H 9689	Gg .644	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 6"
Taps Flg.							

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							3125				72 Hr.
1.	6 x 2.000			357	4.00	66	2995				1 Hr.
2.	6 x 2.000			357	19.36	45	2600				1 Hr.
3.	6 x 2.000			357	42.25	45	1950				1 Hr.
4.	6 x 2.000			357	68.89	56	1295				1 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	19.16	38.48	370.2	.9943	1.246	1.036	946
2	19.16	84.66	370.2	1.015	1.246	1.042	2138
3	19.16	125.06	370.2	1.015	1.246	1.042	3158
4	19.16	159.70	370.2	1.004	1.246	1.038	3973
5							

NO.	P _t	Temp. °R	T _t	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	.55	526	1.41	.931	180.541 Mcf/bbl.	57.5 @ 60° Deg.	.644	XXXXXXX	670 P.S.I.A.	378 R
2	.55	505	1.36	.921				.660		
3	.55	505	1.36	.921						
4	.55	516	1.39	.928						
5										

NO.	P _t ²	P _w	P _w ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2}$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n$
1	3009.9	9059.50	788.80	1.234	1.136	
2	2622.3	6876.46	2971.84			
3	1986.8	3947.37	5900.93			
4	1365.8	1865.41	7982.89			
5						

Absolute Open Flow 4,513 Mcfd @ 15.025		Angle of Slope θ 58.75		Slope, n .607	
Remarks: Well made 9.43 BBL condensate during test					
Approved By Commission: <i>John W. Pagan</i>		Conducted By: R. Pagan		Calculated By: R. Pagan	
				Checked By:	