

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 3-30-81	
Company GETTY OIL COMPANY		Connection Not Connected	
Pool BASIN		Formation D KOTA	
Completion Date 3-20-81		Total Depth 6370	Plug Back TD 6320
		Elevation 5934 G.L.	Farm or Lease Name FED.2W
Csq. Size 5.500	Wt. 15.5	d 4.950	Set At 6368
Perforations: From 6203 To 6257		Well No. 1E	
Tbg. Size 2.375	Wt. 4.7	d 1.990	Set At 6248
Perforations: From Open To Ended		Unit Sec. Twp. Rge. E 2 27N 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas		Packer Set At	
Producing Thru		Reservoir Temp. °F @	Mean Annual Temp. °F
		Baro. Press. - P _a 12.0	State New Mexico
L 6248	H 6248	Gg .720	% 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
SI							1612		1670		168 HRSI
1.	2.000 x .750						402	60	1004		1st hr.
2.	2.000 x .750						281	60	721		2nd hr.
3.	2.000 x .750						254	60	672		3rd hr.
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	11.000		414	1.000	1.179	1.060	5691
2	11.000		293	1.000	1.179	1.038	3944
3	11.000		266	1.000	1.179	1.033	3564
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 1,000 to 3 Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X 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 _____ R

P _c 1682	P _c ² 2829124	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1899$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1393$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1						
2						
3	70756	672	451584	2377540	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.061$	
4						
5						

Absolute Open Flow 4.061 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: _____		
Approved By Commission:	Conducted By: Paul D. Berhost	Calculated By: Paul D. Berhost
		Checked By: