

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 10-19-79	
Company Getty Oil Company				Connection Not Connected		
Pool Basin				Formation Dakota		Unit
Completion Date 10-10-79		Total Depth 6390		Plug Back TD 6354		Elevation 6382
Farm or Lease Name P. L. Davis						Well No. 2 - E
Csg. Size 5.50	Wt. 15.5	d 4.950	Set At 6387	Perforations: From 6114 To 6210		Unit 2 - E
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 6152	Perforations: From open To ended		Unit Sec. Twp. Rge. P 26 26N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single gas				Packer Set At		County San Juan
Producing Thru tubing		Reservoir Temp. *F @		Mean Annual Temp. *F 12.0		State New Mexico
L 6152	H 6152	Gg .715	% CO ₂	% N ₂	% H ₂ S	Prover 2.000
						Meter Run 2.000
						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							1335		1337		192 hr.
1.	2.000 x .750						93	60	487		1 st. hr.
2.	2.000 x .750						58	60	415		2 nd. hr.
3.	2.000 x .750						52	60	391		3 rd. 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		95	1.000	1.183	1.000	1236
2	11.000		70	1.000	1.183	1.000	911
3	11.000		64	1.000	1.183	1.000	833
4.							
5.							

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio 1.000 to 1 Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons 54 at 60 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 1349	P _c ² 1819801				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0969$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0718$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1						
2						
3	4096	401	160801	1659000	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 893$	
4						
5						

Absolute Open Flow 893 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: _____		

Approved By Commission:	Conducted By: Mark Kramer	Calculated By: Paul D. Berhost	Checked By:
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