

- MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-2-83		RECEIVED	
Company Dugan Production Corp.		Connection None			
Pool WAW Fruitland - PC		Formation Fruitland & Fruitland		JUN 15 1983 OIL CON. DIV. DIST. 3	
Completion Date 6-2-83		Total Depth 1400'			
Elevation 6068'		Farm or Lease Name La Lee Ann		Well No. 2-J	
Csg. Size 2-7/8"	Wt. 6.4	d 2.441	Set At 1394	Perforations: From 1256' To 1324'	
Tbg. Size 1-1/4"	Wt. 2.4	d 1.380	Set At 1324'	Perforations: From None To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru tubing		Reservoir Temp. °F ●		Mean Annual Temp. °F	
Baro. Press. - P _g 12.2		State NM		County San Juan	
L	H	G _g 0.62 est.	% CO ₂	% N ₂	% H ₂ S
Prover		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.							230		230		7 days
2.	7/16" positive choke	10				60	10		20		3 hrs.
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.	4.1423		22.2	1.0000	0.9837	1.0018	91
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ 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 242	P _c ² 58.6			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.				
2.		32	1.0	57.6
3.				
4.				
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.018$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 92$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.015$$

Absolute Open Flow _____ 92 _____ Mcfd @ 15.025	Angle of Slope _____	Slope, n _____ 0.85
Remarks: No fluid recovered during test.		

Approved By Division _____	Conducted By: S.E. Dugan	Calculated By: J.D. Roe	Checked By:
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