

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 5-15-80	
Company Dugan Production Corp.		Connection	
Pool WAW Fruitland PC		Formation Pictured Cliffs	
Completion Date 5-1-80		Total Depth 1420'	Plug Back TD Elevation 6104' GL
Csg. Size 2-7/8"		Well No. 6.5#	Set At 1405
Perforations: From 1328 To 1338		Well No. #4	
Perforations: From open end To		Unit Sec. Twp. Rge. 0 28 27N 13W	
Type Well - Single - Dradhead - G.G. or G.O. Multiple single		Packer Set At	
Producing Thru		County San Juan	
Reservoir Temp. °F		State NM	
Mean Annual Temp. °F		Baro. Press. - P _a	
L H Gg .62 est.		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
SI							117		119		7 days
1.											
2.											
3.	1/2" pos. choke		2			60°			67		3 hrs.
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1							
2							
3	5.4315		14	1.000	.9837	1.000	75
4							
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf, bbl.
1					A.P.I. Gravity of Liquid Hydrocarbon <td>Deg.</td>	Deg.
2					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3					Specific Gravity Flowing Fluid <td>XXXXXX</td>	XXXXXX
4					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5					Critical Temperature <td>°F</td>	°F

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 APR 23 1981
 OIL CON. COM.
 DIST. 3

P _c 131	P _w 17.161	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5715$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{.85} = 1.4685$
NO.	P _f	P _w	P _c - P _w
1			
2			
3	79	6241	10,920
4			
5			

AOB = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 110$

Absolute Open Flow 110 Mcfd @ 15.025 Angle of Slope 85 Slope, n 85

Remarks:

Approved by Division	Conducted by: Hall	Calculated by:	Checked by: Jacobs
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