

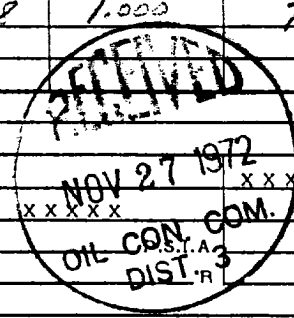
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11-21-72	
Company Dugan Production Corp				Connection		
Pool Basin - Dakota				Formation Dakota		Unit
Completion Date 11-14-72		Total Depth 6455'		Plug Back TD 6275'		Elevation 6011 Ge
Form or Lease Name Fullerton		Well No. 1				
Csq. Size 5 1/2"	Wt. 14#	d 	Set At 6345'	Perforations: From 6190 To 6244		Unit Sec. Twp. Rge. F 34 26N 13W
Tbg. Size 2.375"	Wt. 4.7#	d 1.995	Set At 6252	Perforations: From Open End To		County San Juan
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gallup Dakota Commingled in well bore				Packer Set At		State New Mexico
Producing Thru T69		Reservoir Temp. °F 		Mean Annual Temp. °F 		Baro. Press. - P _a
L	H	G _g .65 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
SI							1363		1477		7 days SI
1.											
2.											
3.	3/4" Bc Choke			55		62°			317		3 hrs
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							
3	12.365		67	.9981	.9608	1.000	794
4							
5							

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



P _c 1489 P _c ² 2,217,121				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3	329	104,241	2,108,880	
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0513$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n \cdot 75} = 1.0382$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 824$$

Absolute Open Flow	824 Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Well making Slugs of Oil after three hours - Test witnessed by Mr. RT. Jacobs

Approved By Commission:	Conducted By: Jacobs	Calculated By: Jacobs	Checked By:
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