

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 4-19-75			
Company Dugan Production Corp.				Connection					
Pool WAW				Formation Pictured Cliffs				Unit	
Completion Date 4-12-75		Total Depth 1385'		Plug Back TD 1344'		Elevation 6140'		Farm or Lease Name Notsowaw	
Csg. Size 2-7/8"	Wt. 6.5#	d	Set At 1385'	Perforations: From 1308' To 1314'		Well No. 1			
Tbg. Size 1-1/4"	Wt. 2.4#	d	Set At 1314'	Perforations: From Open ended w/cross pin		Unit Sec. Twp. Rge. G 32 27N 13W			
Type Well - Single - Braedenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At None		County San Juan	
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg 0.652	% 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.	
SI							216		216	
1.										
2.										
3.	2		5/8	16.5		52			47	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3	8.5417		28.5	1.0078	0.9593	1.000	235
4							
5							

NO.	P _t	Temp. °R	T _f	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 228	P _c ² 51984	(1) $\frac{P_c^2}{P_c^2 - R_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0718$	
NO.	P _t ²	P _w	R _w ²	P _c ² - R _w ²
1		59	3481	48503
2				
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0607$

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OIL CON. COM.
DIST. 3

Absolute Open Flow	249	Mcf/d @ 15.025	Angle of Slope @ _____
Remarks: Very dry throughout test Stabilized in one hour			

Approved By Commission:	Conducted By: Thomas A. Dugan	Calculated By: Thomas A. Dugan	Checked By:
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