3-NMOCC 1-Yates (Ray Beck) 1-EPNG (Clark) 1-File /

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☐ Initial ☒ Annual ☐ Special				Test Date: 1-5-76	
Company: Dugan Production Corp.		Connection:			
Pool: Undesignated		Formation: Pictured Cliffs			Unit:
Completion Date: 11-29-75	Total Depth: 1175'		Plug Back TD: 1144'	Elevation:	Farm or Lease Name: ABO
Csg. Size: 2-7/8" / Wt.: 6.5# / d: / Set At: 1170'			Perforations: From 1079' To 1088'		Well No.: 1
Tbg. Size: 1-1/4" / Wt.: 2.4# / d: / Set At: 1088'			Perforations: From Open Ended To		Unit: D / Sec.: 28 / Twp.: 26N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas			Packer Set At:		County: San Juan
Producing Thru: Tbg	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a:		State: New Mexico
L:	H:	Gg: .62	% CO_2:	% N_2:	% H_2S: / Prover: / Meter Run: / Taps:

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI					210		225		7 days
1.									
2.									
3.	5/8" Pos Choke	2		48°	2		15		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		14	1.012	.9837	1.000	119
4.							
5.							

RECEIVED JAN 8 1976 OIL CON. COM.

NO.	P_t	Temp. °R	T_r
1.			
2.			
3.			
4.			
5.			

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 237 P_c^2 56,169

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3		27	729	55,440
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.013$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{.85} = 1.012$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 120$

Absolute Open Flow 120 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Charles Hall	Charles Hall	