3-NMOCC 1-Aztec O&G (Dallas) 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: [X] Initial [ ] Annual [ ] Special				Test Date: 8-18-75	
Company: Dugan Production Corp.		Connection:			
Pool: Undesignated - PC		Formation: Pictured Cliffs			Unit:
Completion Date: 8-11-75	Total Depth: 1246'	Plug Back TD: 1196'	Elevation: 6086' GR	Farm or Lease Name: County Seat	
Csg. Size: 2-7/8" / Wt.: 6.5# / d: / Set At: 1219' GR		Perforations: From 1106' To 1120'		Well No.: 1	
Tbg. Size: / Wt.: / d: / Set At:		Perforations: From To		Unit: L / Sec.: 21 / Twp.: 26N / Rge.: 12W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas		Packer Set At:		County: San Juan	
Producing Thru: Csg	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico	
L:	H:	Gg: .62 est	% 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI								230		7 days
1.										
2.										
3.	5/8" Pos. Choke		37#		64°					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		49	.9962	.9837	1.000	410
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
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 242 P_c^2 58,564

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3		49	2401	56,163
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0427$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ n = .85 1.0362

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 425$

RECEIVED AUG 22 1975 OIL CON. COM. DIST. 3

Absolute Open Flow 425 Mcfd @ 15.025 Angle of Slope θ _____ Slope _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Charles Hall	Jim Jacobs	Sherman Dugan