3 OCC 1 Thomas 1 El Paso 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: 8/2/69	
Company: John E. Shalk		Connection:			
Pool: So. Blanco		Formation: Pictured Cliffs			Unit:
Completion Date: 7/2/69	Total Depth:	Plug Back TD: 3614'	Elevation:	Farm or Lease Name: Keetom Jicarilla	
Csg. Size: 5 1/2	Wt.: 14	d:	Set At: 2985'	Perforations: From 2985' To 3023'	Well No.: 1
Tbg. Size: 1 1/4"	Wt.: 2.4	d: 1.380	Set At: 3042'	Perforations: From Opened Ended To	Unit: E Sec.: 12 Twp.: 24N Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single Gas			Packer Set At:		County: Rio Arriba
Producing Thru: Casing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a:		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.65 est.						

	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					920		967		
1.									
2.									
3.	5/8"	165		60°	169		165		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		177	1.000	.9608	1.017	1477
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 979 P_c^2 958.441

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				925,680
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0353$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{.85} = 1.0298$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1521$

Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

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