

2-NM OEGCC - Aztec, NM

1-Bville E & P

1-J. P. Denny

1-File

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 8/25/75									
Company Phillips						Connection None											
Pool Basin Dakota Gas						Formation Gallup						Unit None					
Completion Date 8/19/75				Total Depth 8603		Plug Back TD 8598		Elevation 7148 Grd		Farm or Lease Name Jicarilla 28-3							
Csg. Size 4-1/2		Wt. 10.5 lb/ft 11.6		d 4.000 4.052		Set At 8603		Perforations: From 7069 To 7740		Well No. 1							
Tbg. Size 2-3/8		Wt. 4.7		d 1.995		Set At 7076		Perforations: From To		Unit Sec. Twp. Rge. 6 28N 3W							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single								Packer Set At None		County Rio Arriba							
Producing Thru Tbg		Reservoir Temp. °F 180° @ 8605		Mean Annual Temp. °F 60		Baro. Press. - P _a 12		State New Mexico									
L		H		Gg		% 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	-	-	-	-	-	-	1801	-	1810	-	0
1.	2	x	3/4	52	-	64	67	-	225	-	3-1/2
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		64	.9962	.9427	1.008	759
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Dry	Mcf/bbl.
1	0.1	524	1.38	.985	A.P.I. Gravity of Liquid Hydrocarbons	Dry	Des.
2.					Specific Gravity Separator Gas	0.675	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X	
4.					Critical Pressure	667	P.S.I.A.
5.					Critical Temperature	385	R

P _c 1822	P _c ² 3319684	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0172111$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.01287$
NO	P _t ²	P _w	P _w ²
1	4096	237	56169
2			
3			
4			
5			

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 759$

Absolute Open Flow 759 Mcfd @ 15.025 Angle of Slope θ Slope, n .75

Remarks: This is currently shut-in waiting on gas connection

Approved By Commission:	Conducted By: Hughes & Mitchell	Calculated By: P. B. Hammaker	Checked By:
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