

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 12-31-76				
Company Hixon Development Company					Connection				
Pool Nipp-PC					Formation				
Completion Date		Total Depth		Plug Back TD 1270		Elevation 6277-GL		Farm or Lease Name Mandana State Comm.	
Csg. Size 2 7/8	Wt. 6.5	d	Set At 1278	Perforations: From 1202 To 1218		Well No. 1			
Tbg. Size 1 1/4	Wt.	d	Set At 1218	Perforations: From To		Unit C	Sec. 2	Twp. 25	Rge. 12
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single gas					Packer Set At		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g .650	% CO ₂	% N ₂	% H ₂ S	Prover X	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	7 days						202		226		
1.	2 x 3/4"						3	60	26		3 hours
2.											
3.											
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	12.3650		15	1.000	.9608		178
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	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	

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0262$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0222$
1		38	1444	55200		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 183$

182

Absolute Open Flow	182	Mcfd @ 15.025	Angle of Slope @	Slope, n	.85
Remarks:					

Approved by Commission:	Conducted By: Teffeller, Inc.	Calculated By: Neil Teffeller	Checked By:
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