

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 8/19/80	
Company Hixon Development Company				Connection Waiting on approval			
Pool WAW-Fruitland-PC				Formation Fruitland-Pictured Cliffs		Unit	
Completion Date 8/19/80		Total Depth 1300'		Plug Back TD 1211.31'		Elevation 6112'	
Farm or Lease Name Sam Jackson State Com.							
Csg. Size 2-7/8"		Wt. 6.5#		d 2.441		Set At 1241'	
Perf. Size 2-7/8"		Wt. 6.5#		d 2.441		Set At 1241'	
From 790		To 1120'		Well No. 1		Unit Sec. Twp. Rge. K 32 26N 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At no packer	
Producing Thru casing 90 @ 1300						Baro. Press. - P _a 12.00	
L 1120		H 1120		G _g .600		% CO ₂ % N ₂ % H ₂ S	
Prover X		Meter Run		Taps		County San Juan	
State New Mexico							

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
1.	7 days								208	85	
2.	2" x 1-1/4"			4.5					4.5	80	3 hours
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	37.75		16.5	.9813	1.000	1.017	622
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.33	540	1.51	.966	A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X X X X
4.					Critical Pressure 671	P.S.I.A.
5.					Critical Temperature 358	P.S.I.A.

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	220	48400	272	273.8	48126.2	1.0057	1.0048
2.							
3.							
4.							
5.							

Absolute Open Flow 625 Mcfd @ 15.025				Angle of Slope θ .85	
Remarks:					
Approved By Commission:		Conducted By:		Calculated By: M. Herrington	