

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-70

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
FEB 2 1997

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 2-21-97	
Company McElvain Oil & Gas Properties		Connection El Paso	
Pool Blanco		Formation Mesaverde	
Completion Date 2-14-97		Total Depth 6285	Plug Back TD 6168
		Elevation 6656 GR	Form or Lease Name Sandstone Com
Csg. Size 7"	Wt. 10.5#	d 4.052	Set AI 4056
Perforations: From 5118 To 6105		Well No. #1	
Tr. Size 2.375	Wt. 4.7#	d 1.995	Set AI 6047
Perforations: From open To ended		Unit E	
Type Well - Single - Roddenhead - G.G. or G.O. Multiple Single-Gas		Packer Set AI None	County San Juan
Producing Thru Tubing	Reservoir Temp. °F A	Mean Annual Temp. °F	Baro. Press. - P _g 12 psia-est
State New Mexico			
L	H	G _g .650 est	% CO ₂
		% N ₂	% H ₂ S
Provel		Meter Run	Taps
FLOW DATA			
NO.	Provel Line Size	X	Orifice Size
SI	7 days		
1.	2"		.750
2.			
3.			
4.			
5.			
TUBING DATA			
	Press. p.s.i.g.	Temp. °F	
	760		
	165	48°	
CASING DATA			
	Press. p.s.i.g.	Temp. °F	
	831		
	429		
Duration of Flow 3 hours			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	12.3650		177
2.			
3.			
4.			
5.			
NO.	R	Temp. °R	T _r
1			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas		X X X X X X X X	
Specific Gravity Flowing Fluid		X X X X X	
Critical Pressure _____ P.S.I.A.		P.S.I.A.	
Critical Temperature _____ R		R	
P _c 843 P _w ² 710,649			
NO.	P _w ²	P _w	P _c ² - P _w ²
1	441	194481	516,168
2			
3			
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.37678$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2710$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2750$			
Absolute Open Flow		2750	Mcf @ 15.025
Angle of Slope		6	Slope, n 75
Remarks: Dry gas last 2 hours of test.			
No show of oil during test.			
Approved By Division		Conducted By: Joe Elledge	Calculated By: Joe Elledge
		Checked By: Larry VanRyan	