

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

RECORDED

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date MAY 15 '90	
Company N. Dale Nichols			Connection Air			
Pool Wildcat			Formation San Andres P3			
Completion Date		Total Depth 7100'	Plug Back TD 2725'	Elevation 4076 GL	Farm or Lease Name Brian Lowe	
Ceq. Size 5 1/2	Wt. 15.5	d	Set At 2725'	Perforations: From 2632 To 2649	Well No. 1	
Thq. Size 2 3/8"	Wt. 4.7	d	Set At 2673	Perforations: From Open To Ended	Unit Sec. Twp. Rge. G 26 7S 28E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	County Chaves	
Producing Thru Tubing		Reservoir Temp. °F 60	Base Press. - P _h 13.2		State N.M.	
L	H	Gg .846	% CO ₂ 12.68	% H ₂ 23.467	% 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	Duration of Flow
1.	2 x 1/2		8 1/4				860		900		1 hr
2.	2 x 1/2		19				785		820		1 hr
3.	2 x 1/2		30				690		725		1 hr
4.	2 x 3/4		16				560		600		1 hr
5.							420		460		1 hr

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.							103
2.							171
3.							231
4.							344
5.							

NO.	P _r	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 _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.32$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.31$
1.		870	758	72		
2.		734	539	291		
3.		598	598	472		
4.		451	451	629		
5.						

Absolute Open Flow 450 Mcfd @ 15.025		Angle of Slope θ 46	Slope, n .97
Remarks: Flow Measured with orifice well tester			
Approved By Division	Conducted By:	Calculated By:	Checked By: