

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 12-19-77			
Company Jerome P. McHugh				Connection				
Pool Wildcat				Formation Pictured Cliffs				Unit
Completion Date 10-28-77		Total Depth 4160'		Plug Back TD 4115'		Elevation		Farm or Lease Name Jer
Csg. Size 4-1/2	Wt. 10.5 #	d	Set At 4157'	Perforations: From 3902' To 4103'			Well No. #1	
Tbg. Size 1-1/4	Wt. 2.4 #	d	Set At 3976'	Perforations: From Open To Ended			Unit P	Sec. 18 Twp. 28 Rge. 3
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas					Packer Set At		County Rio Arriba	
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico
L	H	Gg .62	% 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
1.							900		990		7 days
2.	1/2" Pos Choke						45	60°	430		2 hrs.
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.							
2.	5.4315		57	1.000	.9837	1.000	304
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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

P _c 1002	P _c ² 1004004	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.2415}{1.2415 - 0.0000} = 1.2415$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n \cdot .85} = \left[1.2415 \right]^{.85} = 1.2018$	
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2		442	195364	808640
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n \cdot .85} = 365$

APPROVED
DEC 1 1977
OIL

Absolute Open Flow 365 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
Remarks: Medium spray wtr throughout test.		

Approved By Commission:	Conducted By: Charles Hall	Calculated By: Charles Hall	Checked By:
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