

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

ILLEGIBLE

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-26-70	
Company J. J. McCall		Connection	
Pool 1st		Formation Dakota	
Completion Date 1-1-70		Total Depth 6107	
Plug Back TD 5150		Elevation 1000 ft	
Farm or Lease Name McCall		Well No. 2	
Csg. Size 4 1/2"	Wt. 125#	d 6.000	Set At 6000
Perforations: From 5300 To 5712		Well No.	
Tbg. Size 1 3/4"	Wt. 24#	d 1.375	Set At 5990
Perforations: From Open End To		Unit C	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At	
Producing Thru 1		Baro. Press. - P _g	
Reservoir Temp. °F @		State New Mexico	
Mean Annual Temp. °F		County San Juan	
L	H	G _g .65	% 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.	
SI							2023		2023	
1.										
2.	3/4" McCall			177		60°			1434	3.1 hr
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	12.335		187	1.000	1.150	1.014	22.18
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	Deq.
2					Specific Gravity Separator Gas	XXXXXXX
3					Specific Gravity Flowing Fluid	XXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

NO.	P _t	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						
2		1446	2,091,316	2,250,000	1.9329	1.6812
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3750$

Absolute Open Flow	3750	Mcf/d @ 15.025	Angle of Slope @	Slope, n
Remarks:				

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
SEP 29 1970	J. J. McCall	S. J. McCall	