

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 5/22/75				
Company Mesa Petroleum Co.				Connection					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 5/8/75		Total Depth 5765' K.B.		Plug Back TD 5750' K.B.		Elevation 6650' K.B.		Farm or Lease Name State Com O	
Csg. Size 4 1/2"	Wt. 10.5 #	d 4.052"	Set At 3760'	Perforations: From 4906' To 5723			Well No. 11A		
Thg. Size 2 3/8"	Wt. 4.7 #	d 1.995"	Set At 5719'	Perforations: From 5689' To 5719'			Unit Sec. Twp. Rge. 0 16 29 8		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _q	% 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
SI							580		705		S.I.
1.							190	37°	650		1 hr.
2.	1.995 X 0.75						180	37.5°	630		2 hr.
3.							185	36°	610		3 hr.
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	12.365		197	1.0239	0.9463	1.024	2417
3							
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	0.29	496	1.3	0.953	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas 0.67 X X X X X X X X
3					Specific Gravity Flowing Fluid X X X X X
4					Critical Pressure 669 P.S.I.A. P.S.I.A.
5					Critical Temperature 382 R R

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.041$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$
1	717	622	514,089	386,884	127,205		
2							
3							
4							
5							

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6,888$

RECEIVED
 JUN 2 1975
 NEW MEXICO OIL CONSERVATION COMMISSION

Absolute Open Flow 6,888 Mcfd @ 15.025		Angle of Slope θ _____	
Slope, _____			
Remarks: _____			

Approved By Commission:	Conducted By: Jack Dunning	Calculated By: R. J. Flaker	Checked By:
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2-VC State, Soc. Sec. #, EPN 4-3, Dr 4m, 4m, 4m. Imo. Arden