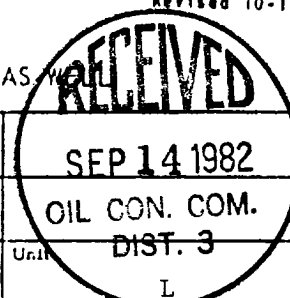


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS



Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9/9/82	
Company Caulkins Oil Company		Connection	
Pool Blanco Mesa Verde		Formation Mesa Verde	
Completion Date 9/2/82		Total Depth 7600'	Plug Back TD 7531'
Elevation 6501'		Farm or Lease Name Breech C	
Ceq. Size 5 1/2"	Wt. 17#	d 4.892	Set At 7600'
Perforations: From 5488 To 5200		Well No. 689 M	
Tbg. Size 1 1/4"	Wt. 2.3	d 1.380	Set At 5440'
Perforations: From 5440' To		Unit Soc. Twp. Rye. L 12 26N 6 W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas Gas Dual		Packer Set At 5755'	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	State New Mexico
L	H	Gg	% 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							1146		1263		7 Days
1.							43		320		3 hrs.
2.											
3.											
4.											
5.											

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 O. Mcfd
1	14.1605		55	1.000	1.000	1.000	779
2.							
3.							
4.							
5.							

NO.	P _f	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 1275	P _c ² 1,625,625		
NO.	P _i ²	P _w	P _w ²
1		332	110,224
2			
3			
4			
5			

$$(1) \frac{P_c^2}{R^2 - R_w^2} = 1.056$$

$$AOF = 0 \left[\frac{R^2}{R^2 - R_w^2} \right]^n = 811$$

$$(2) \left[\frac{R^2}{R^2 - R_w^2} \right]^n = 1.0417$$

Absolute Open Flow	811	Mcf @ 15.025	Angle of Slope @	75	Slope, n
Remarks:					

Approved By Division	Conducted By:	Calculated By:	Checked By:
----------------------	---------------	----------------	-------------