

**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 12/30/82	
Company Consolidated Oil & Gas, Inc.				Connection SUG		
Pool Undes				Formation Fruitland		Unit
Completion Date 12/23/82		Total Depth 2260		Plug Back TD 2115		Elevation 5975
Farm or Lease Name Payne						
Log. Size 4 1/2	Wt. 10.5	d 4.052	Set At 2257	Perforations: From 2076 To 1792		Well No. 4
Log. Size 1.90	Wt. 2.9	d 1.610	Set At 2061	Perforations: From To		Unit Sec. Twp. Rge. P 35 31N 13W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At	
Producing Thru					County San Juan	
Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover Pos. ck.
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.	2" x 3/4" pos.ck.						583		583		3 hrs.
2.							45		256		
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 Q, Mcfd
1	11.0		57	1.000	1.240	1.000	777.5
2							
3							
4							
5							

NO.	F _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

$P_c = 595$ $P_c^2 = 354.0$				
NO.	P_c^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		268	71.8	282.2
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2544$$

$$AGF = 2 \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 942.6$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2124$$

Absolute Open Flow	942.6	Mcf @ 15.025	Angle of Slope θ	Slope, n	85
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Remarks:

Approved By Commission:	Conducted By: Tefteller, Inc.	Calculated By:	Checked By:
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