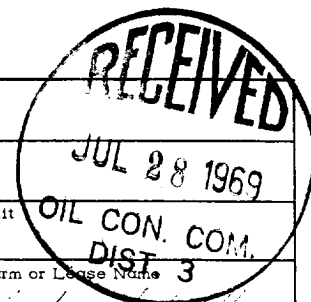


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date <u>7-12-69</u>	
Company <u>John E. Smith</u>				Connection			
Pool <u>John E. Smith</u>				Formation <u>Permian</u>		Unit <u>OIL CON. COM. DIST. 3</u>	
Completion Date <u>7-2-69</u>		Total Depth <u>3550</u>		Plug Back TD <u>2614</u>		Elevation	
Csg. Size <u>5 1/2</u>	Wt. <u>14#</u>	d	Set At	Perforations: From <u>2925</u> To <u>3023</u>		Well No. <u>1</u>	
Tbg. Size <u>1 1/4</u>	Wt. <u>2.14</u>	d <u>1375</u>	Set At <u>3042</u>	Perforations: From <u>3042</u> To <u>3042</u>		Unit Sec. Twp. Rge. <u>F 12 24N 4E</u>	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <u>Single</u>				Packer Set At		County <u>Pecos</u>	
Producing Thru <u>2925</u>		Reservoir Temp. *F <u>@</u>		Mean Annual Temp. *F		Baro. Press. - P _a	
L/ <u>2925</u>	H	G _g <u>13.14</u>	% 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											
1.											
2.	<u>5 1/2</u>	<u>2.14</u>		<u>137</u>		<u>60</u>					<u>2.5</u>
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							
2	<u>25.77</u>		<u>131</u>	<u>1.005</u>	<u>1.005</u>	<u>1.015</u>	<u>1257</u>
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

NO.	P _t ²	P _w ²	P _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = \frac{1.0235}{1.0235 - 0.0001} = 1.0235$ (2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0235$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1286$
1					
2					
3					
4					

Absolute Open Flow <u>1286</u> Mcfd @ 15.025		Angle of Slope θ _____ Slope, n <u>.75</u>	
Remarks: <u>Well shut in during tubing repair 5.16</u>			
Approved By Commission:		Conducted By: <u>John E. Smith</u>	Calculated By: <u>John E. Smith</u>
		Checked By: _____	