

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

Form O-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-8-65	
Company Oil Co. Company				Connections Not Connected		
Pool 1-014				Formation Dal. Co.		
Completion Date 12-8-65		Total Depth 6633		Perforations 5502		Elevation 5908 A.S.L.
Csg. Size 5.500		Wt. 10.0	d 4.950	Set At 6633	Perforations: From 5502 To 6562	
Thq. Size 2 1/16		Wt. 3.25	d 1.750	Set At 4547	Perforations: From 4542 To 4547	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas Gas Multiple					Facker Set At 3320	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12.0		Baro. Press. - P _a
L 4547	H 4547	Gg .720	% CO ₂	% N ₂	% H ₂ S	Prover meter Run 2.000

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							13.0				269 HR
1.	2.000	x .750					13	60			1.17 HR
2.	2.000	x .750					13	60			2.00 HR
3.	2.000	x .750					9.4	60			2.00 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. Comp. Factor F _{sp}	Rate of Flow Q _{sc} (Mcf)
1	11.00		193	1.000	1.179	1.024	2883
2	11.00		150	1.000	1.179	1.013	1940
3	11.00		106	1.000	1.179	1.013	1093
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 692 to 1 bbl. Mcf/bbl
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg
2.					Specific Gravity Separator Gas XXXXXX
3.					Specific Gravity Flowing Fluid XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ F

P _c 1967	P _c ² 3869089		
NO.	P _t ²	P _w	P _w ²
1			
2			
3	11236	292	85379
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0226$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0169$$

$$(3) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.41$$

Absolute Open Flow 1417 Mcf @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: _____		
Approved By Commission: _____	Conducted By: Paul D. Bernhart	Calculated By: Paul D. Bernhart
Checked By: _____		