

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

Form C-122
 Revised 9-1-65

RECEIVED

JAN 23 1968

OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-5-68						
Company Tenneco Oil Co.					Connection						
Pool Basin Dakota					Formation Dakota						
Completion Date			Total Depth 7397		Plug Back TD 7347		Elevation 6093		Farm or Lease Name Gelbke Com.		
Csg. Size 4.5	Wt.	d	Set At 7396	Perforations: From 7182 To 7356				Well No. 1			
Tbg. Size 2.375	Wt.	d	Set At 7315	Perforations: From To				Unit Sec. Twp. Rye. L 11 31 11			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At					County San Juan	
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover X	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.	
SI							1644		1535	
1.	2 x 3/4						203	60	678	
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 Q, Mcfd
1	12.3650		215	1.000	.9608	1.022	2609
2							
3							
4							
5							

NO.	P _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 1656	P _c ² 2742336	
NO.	P _i ²	P _w ²
1	690	476100
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.2101}{1.2101 - 0.4761} = 1.2101$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.1537}{1.2101 - 0.4761} = 1.1537$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3010$$

Absolute Open Flow 3010 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: Neil Tefteller	Checked By:
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