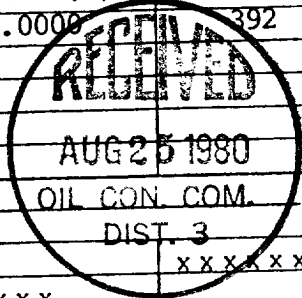


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-19-80	
Company Southland Royalty Company		Connection Southern Union Gathering	
Pool Blanco <i>Ute</i>		Formation Pictured Cliffs	
Completion Date 8-5-80		Total Depth 7480'	Plug Back TD 7449'
		Elevation 6928' GL	Farm or Lease Name East
Seq. Size 7.000 4.500	Wt. 23# 11.6 & 10.5	d 6.366 4.052	Set At 5030' 4862'-7480'
Thg. Size 1.660	Wt. 2.3#	d 1.380	Set At 2846'
Type Well - Single - Brdenhead - G.G. or G.O. Multiple GG- Multiple		Packer Set At 4906'	Well No. #7E
Producing Thru Tubing	Reservoir Temp. °F #	Mean Annual Temp. °F 12.2	Baro. Press. - P _a
L	H	Gg .700	% CO ₂ % N ₂ % H ₂ S
FLOW DATA		TUBING DATA	
NO.	Prover Line Size	X	Orifice Size
SI			
1.	2" X 3/4"		
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	12.365		34.2
2.			
3.			
4.			
5.			
Flow Temp. Factor Ft.		Gravity Factor Fg	Super Compress. Factor, Fpv
1.0000		.9258	1.0000
Rate of Flow Q, Mcfd		392	
			
NO.	P _r	Temp. °R	T _r
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
$P_c \frac{P_c^2}{P_c^2 - P_w^2} = 1.0328 \quad (1) \quad \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0278 \quad (2)$			
NO.	P _c	P _w	P _c ² - P _w ²
1	781.2	139.2	590896.8
2			
3			
4			
5			
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 403$			
Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____ Slope, n .85	
Remarks: _____			
Approved By Division		Conducted By: Steve Kellaneers	Calculated By: James Smith
		Checked By: L. O. Van Ryan	