

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
JAN 9 1990

OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1/15/90	
Company Union Texas Petroleum Corp.		Connection Union Texas Petroleum Corp.	
Pool Blanco		Formation Mesaverde	
Completion Date 1/6/90		Total Depth 5944	
Plug back TD 5903		Elevation 6404 GL.	
Form or Lease Name Quinn			
Csc. Size 7.000	Wt. 23.0	d 6.366	Set At 3432-5944
Perforations: From 4838 To 5876		Well No. 2A	
Inq. Size 2.375	Wt. 4.7	d 1.995	Set At 5673
Perforations: From Open Ended		Unit Sec. Twp. Rye. F 19 31N SW	
Type Well - Single - Rigshead - G.C. or G.C. Multiple Single-Gas		Packer Set At	
Producing Thru Tubing		State New Mexico	
Reservoir Temp. °F 0		Mean Annual Temp. °F	
Baro. Press. - P _g 12		County San Juan	
L	H	G _g 0.700	% 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	2"		3/4"				509		509		7 Days
1.							125	60°	410	60°	3 Hours
2.											
3.											
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 Compress. Factor F _{sp}	Rate of Flow Q, Mcfd
1	12.3650		137	1.0000	0.9258	1.016	1593
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	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.	Critical Temperature _____ R
1										
2										
3										
4										
5										

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 2.9076$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.2266$
1		422	178,084	93,357		
2						
3						
4						
5						

$$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 3547$$

Absolute Open Flow 3547		Mcf @ 15.025		Angle of Slope @		Slope, n 0.75	
Remarks: Light, light mist of oil.							
Approved By Division		Conducted By: Connie Clevenger		Calculated By: John C. Rector		Checked By:	