

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☒ Initial ☐ Annual ☐ Special		Test Date: 2/4/87	
Company: Union Texas Petroleum Corp.		Connection: Gas Company of New Mexico	
Pool: Blanco/Undes./Basin		Formation: Mesaverde/Gallup/Dakota	
Completion Date: 12/18/86		Total Depth: 7850	Plug Back TD: 7766
		Elevation: 6726 G.L.	Form or Lease Name: Jicarilla "H"
Casing Size: 7.0 4.5		Well: 23.0 10.5	Set At: 6.366 4.052
		Set At: 3719 3506-7850	Perforations: From 5019 To 7718
Tubing Size: 2.375		Well: 4.7	Set At: 1.995 7696
		Perforations: From 7663 To 7669	Well No.: 11F
Type Well: Single - Broadhead - G.C. or G.C. Multiple		Gas-Oil-Gas-Multiple	County: Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F: 8	Mean Annual Temp. °F: 12
Baro. Press. - P _g : 12		State: New Mexico	
L: 7663		H: 0.700	% CO ₂ : % N ₂ : % H ₂ S: Prover: Meter Run: Taps:
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
1	2"		3/4"
2			
3			
4			
5			
TUBING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.
1	579		531
2	63	62°	505
3			
4			
5			
CASING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.
1			
2			
3			
4			
5			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	12.3650		75
2			
3			
4			
5			
Flow Temp. Factor F _L			
NO.	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor F _{sp}
1	0.9981	0.9258	1.007
2			
3			
4			
5			
Rate of Flow Q, Mc/d			
NO.	Rate of Flow Q, Mc/d		
1	863		
2			
3			
4			
5			
GAS LIQUID HYDROCARBON RATIO			
NO.	R ₁	Temp. °R	T ₁
1			
2			
3			
4			
5			
A.P.I. Gravity of Liquid Hydrocarbons			
NO.	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid
1			
2			
3			
4			
5			
Critical Pressure P.S.I.A.			
NO.	Critical Pressure P.S.I.A.	Critical Temperature °R	
1			
2			
3			
4			
5			
Absolute Open Flow			
NO.	P _c ²	P _w ²	P _c ² - P _w ²
1	591	349,281	517
2			
3			
4			
5			
Absolute Open Flow			
NO.	Absolute Open Flow	Mold @ 15.025	Angle of Slope @
1	2559		0.75
2			
3			
4			
5			
Remarks:			
Approved By Division			
Conducted By: Bruce Voiles			
Calculated By: John C. Rector			
Checked By:			