

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

Form C-122
 Revised 9-1975

RECEIVED
 APR 25 1983

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4/20/83	
Company Union Texas Petroleum Corp.		Connection Southern Union Gathering Company	
Pool Basin		Formation Dakota	
Completion Date 3/10/83		Total Depth 6640	Plug Back TD 6550
Elevation 5834		Farm or Lease Name Angel Peak "B"	
Coq. Size 7.000	Wt. 23.00	d 6.366	Set At 6633
Perforations: From 6300 To 6418		Well No. 22-E	
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 6310
Perforations: Open Ended From To		Unit Sec. Twp. Hgt. F 13 28N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Oil		Packer Set At 6207	County San Juan
Producing Thru Tubing		Reservoir Temp. °F P	Mean Annual Temp. °F 12
Baro. Press. - P _a 12		State New Mexico	
L 6310	H	G _g 0.700	% CO ₂ % N ₂ % H ₂ S Provel
Meter Run		Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Provel 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"				505				7 Days
1.							20	58°			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 _{pv}	Rate of Flow Q, Mcfd
1	12.3650		32	1.0019	0.9258	1.000	367
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _r 517	P _c ² 267,289	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.0163$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.0121$
NO.	P _r ²	P _w	P _w ²
1			4298
2			
3			
4			
5			

$AOI = Q \left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 371$		Absolute Open Flow 371 Mcfd @ 15.025 Angle of Slope α _____ Slope, n 0.75
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Remarks:

Approved by Commission	Conducted by Clifton Gates	Calculated by Ken Roddy	Checked by
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