

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

Form C-122
Revised 9-1-85

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5/18/84	
Company Union Texas Petroleum Corp.				Connection Southern Union Gathering Company	
Pool Basin				Formation Dakota	
Completion Date 4/16/84		Total Depth 6566		Plug Back TD 6465	
		Elevation 5757		Farm or Lease Name McClanahan "A"	
Csg. Size 7.00/4.50	Wt. 23.0/11.6	d 6.366	Set At 5993	Perforations: From 6191 To 6384	
Trq. Size 2.375	Wt. 4.70	d 1.995	Set At 6348	Perforations: Open-ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -----	
Producing Thru Tubing		Reservoir Temp. °F P		Baro. Press. - P _a 12	
L 6338		H		County San Juan	
Gg 0.700		% CO ₂		State New Mexico	
% H 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"				1027		1028		7 days
1.							54	62°	314		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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		66	0.9981	0.9258	1.000	754
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 1040	P _c ² 1,081,600		
NO.	P _w	P _w ²	P _c ² - P _w ²
1	326	106,276	975,324
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1090$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0807$

AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 815$

Absolute Open Flow 815	Mcfd @ 15.025	Angle of Slope @ _____	Slope, n 0.75
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Remarks: _____

Approved By Commission	Conducted By Bennie Brown	Calculated By Ken Roddy	Checked By
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