

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11/4/82	
Company Superior Energy Union Texas Petroleum Corp.				Connection El Paso Natural Gas Co.	
Pool Basin				Formation Dakota	
Completion Date 10/13/82		Total Depth 6585		Plug back TD 6560	
Elevation 6115		Farm of Lease Name Navajo Indian			
Casing Size 4.500	Wt. 10.50 11.60	OD 4.052 4.000	Set At 6585	Perforations: From 6270 To 6536	
Tubg. Size 2.375	Wt. 4.70	d 1.995	Set At 6405	Perforations: Open-ended From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -----	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12	
Baro. Press. - P _a 12		State New Mexico			
L 6393	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"				1397		1365		7 days
1.							132	78°	562		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		144	0.9831	0.9258	1.015	1645
2.							
3.							
4.							
5.							

NO.	P _t	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

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²
1		574	329,476	1,655,805
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.1990$

AOI = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1885$

(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.1458$

Absolute Open Flow	1885	Mcf/d @ 15.025	Angle of Slope @	Slope, n	0.75
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Remarks:

Approved By Commission	Conducted By: Bruce Voiles	Calculated By: Ken Roddy	Checked By:
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