

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1/5/83						
Company Union Texas Petroleum Corp.					Connection Gas Company of New Mexico						
Pool Basin					Formation Dakota						
Completion Date 10/13/82			Total Depth 7696		Plug Back TD 7640		Elevation 6675		Farm or Lease Name Jicarilla "J"		
Csg. Size 7.625 5.500		Wt. 26.40 15.50		ID 6.969 4.950		Set At 5675 5450-7687		Perforations: From 7276 To 7530		Well No. 8-E	
Tub. Size 2.375		Wt. 4.70		ID 1.995		Set At 7522		Perforations: Open - Ended		Unit Sec. Twp. Rge. M 25 26N 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas								Packer Set At 5473		County Rio Arriba	
Producing Thru Tubing			Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico		
L 7512		H		Gg 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"				1370				14 Days
1.							45	57°			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		57	1.0029	0.9258	1.000	654
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 ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0081$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0060$
1			15,272	1,894,652		
2						
3						
4						
5						

Absolute Open Flow <u>658</u> _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n <u>0.75</u>	
Remarks: _____							
Approved By Division		Conducted By: Doyal Parret		Calculated By: Ken Roddy		Checked By:	