

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 10/7/82	
Company Union Texas Petroelum Corp.				Connection Gas Company of New Mexico	
Pool Basin				Formation Dakota	
Completion Date 8/24/82		Total Depth 7842		Plug Back TD 7780	
Elevation 6760		Farm or Lease Name Jicarilla "H"			
Csg. Size 7.000	Wt. 26.00	d 6.276	Set At 7842	Perforations: From 7568 To 7756	
Tub. Size 2.375	Wt. 4.70	d 1.995	Set At 7720	Perforations: No Perforations	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 5734	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F 12	
County Rio Arriba		State New Mexico			
L 7710	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				7 days
1.							40	59°			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		52	1.0010	0.9258	1.000	596
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

P _c 1382	P _c ² 1,909,924				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1			12,909	1,897,015	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0068$
2					(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0050$
3					
4					
5					

Absolute Open Flow	599	Mcfd @ 15.025	Angle of Slope	Slope, n	0.75
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Remarks:

Approved By Division	Conducted By: Dan Darby	Calculated By: Ken Roddy	Checked By:
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