

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1/2/85				
Company Union Texas Petroleum Corp.					Connection Gas Company of New Mexico				
Pool Basin Tapacito Ext.					Formation Dakota Gallup				
Completion Date 11/21/84		Total Depth 8325		Plug Back TD 8210		Elevation 7135		Farm or Lease Name Jicarilla "H"	
Csg. Size 5.500	Wt. 15.50	d 4.950	Set At 8325	Perforations: From 6983 To 8173		Well No. 12			
Trq. Size 2.375	Wt. 4.70	d 1.995	Set At 8051	Perforations: Open-Ended From To		Unit A	Sec. 17	Twp. 26N	Rge. 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single (2 zones commingled)					Packer Set At NA		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 8039	H	G _g 0.650	% 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"				1730		1732		14 days
1.							138	64°	644		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		150	0.9962	0.9608	1.013	1798
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

$P_c = 1744$ $P_c^2 = 3,041,536$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1648$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1212$	
NO.	F _t ²	P _w	P _w ²	P _c ² - P _w ²				
1		656	430,336	2,611,200				
2								
3								
4								
5								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2016$				
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Absolute Open Flow <u>2016</u> Mcfd @ 15.025		Angle of Slope @ _____		Slope, n <u>0.75</u>	
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Remarks: _____			
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Approved By Division	Conducted By: Bruce Voiles	Calculated By: Ken Roddy	Checked By:
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