

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RECEIVED
Form C-122
Revised 10-1-78
SEP 26 1988

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS VELOCITY

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9/19/88			
Company Union Texas Petroleum Corp.				Connection Gas Co. of New Mexico			
Pool Basin/Blanco/Wildhorse				Formation Dakota/Mesverde/Gallup		Unit	
Completion Date 8/31/88		Total Depth 7725		Plug Back TD 7665		Elevation 6687 G.L.	
Farm or Lease Name Jicarilla "H"				Well No. 14			
Case Size 4.500	Wt. 23.0	d 6.366	Set At 3613	Perforations: From 4949 To 7646		Well No. 14	
Case Size 2.375	Wt. 4.7	d 1.995	Set At 7506	Perforations: From Open Ended To		Unit Sec. Twp. Rge. P 18 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Oil Multiple				Packer Set At		County Rio Arriba	
Producing thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps
		0.710					

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"				1050		1029		7 Days
1.							217	61°	829	61°	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		229	0.9990	0.9193	1.028	2673
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1062 P _c ² 1,127,844			
NO.	P _r ²	P _w	P _r ² - P _w ²
1		841	707,281
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_r^2 - P_w^2} = \frac{2.6817}{}$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \frac{2.0955}{}$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \frac{5601}{}$

Absolute Open Flow 5601	Mcf @ 15.025	Angle of Slope @ _____	Slope, n 0.75
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Remarks: Medium mist 90% water

Approved By Division	Conducted By: Steve Greenwood	Calculated By: John C. Rector	Checked By:
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