

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 11/4/86	
Company Union Texas Petroleum Corp.		Connection Union Texas Petroleum Corp.	
Pool Basin		Formation Dakota	
Completion Date 10/14/86	Total Depth 7532	Plug Back TD 7482	Elevation 6587
Cas. Size 5.325	WT. 29.54	d 6.875	Set At 3039-7532
Perforations: From 7292 To 7426	Well No. 1A		
Perforations: From 7401 To 7407	Unit Sec. Twp. Rge. A 16 28N 9W		
Type Well - Single - Brindennhead - G.G. or G.O. Multiple Gas-Gas -Multiple		Packer Set At 5610	
Producing Thru		Baro. Press. - P _g 12	
Reservoir Temp. °F ●		State New Mexico	
L 7401	H	G _g 0.700	% CO ₂ % N ₂ % H ₂ S
FLOW DATA		TUBING DATA	
NO.	Prover Line Size	Press. p.s.i.g.	Temp. °F
1	2"	1040	53°
2			
3			
4			
5			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	Pressure P _m	Flow Temp. Factor Ft.
1	12.3650	107	1.0068
2			
3			
4			
5			
NO.	F ₁	Temp. °R	T ₁
1			
2			
3			
4			
5			
Gas Liquid Hydrocarbon Ratio _____ Mcl/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ °R			
F _c 1052 P _c ² 1,106,704			
NO.	P _c ²	P _w ²	P _c ² - P _w ²
1		555	308,025
2			
3			
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3857$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2771$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1595$			
Absolute Open Flow 1595 Mcl @ 15.025 Angle of Slope @ Slope, n 0.75			
REMARKS: CORRECTED TEST FIGURING FICTION LOSS.			
Approved By Division Conducted By: Connie Clevenger Calculated By: John C. Rector Checked By:			