

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 WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-18-85		JAN 23 1985 OIL CON. DIV DIST. 3							
Company El Paso Natural Gas		Connection									
Pool S. Blanco		Formation Pictured Cliffs		Unit							
Completion Date 1-18-85		Total Depth 3150		Plug Back TD 3132							
Elevation 7117 GR		Form or Lease Name Lindrith Unit		Well No. 113							
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 3149	Perforations: From 2993 To 3098							
Tbg. Size 1.660	Wt. 2.4	d 1.380	Set At 3079	Perforations: From To							
Type Well - Single - Erosionhead - G.G. or G.O. Multiple Single				Packer Set At None							
Producing Thru CSG		Reservoir Temp. °F 8		Mean Annual Temp. °F 12							
Baro. Press. - P _g 12		State New Mexico		County Rio Arriba							
L	H	G _g .680	% CO ₂	% N ₂	% H ₂ S						
Prover		Meter Run		Taps							
FLOW DATA			TUBING DATA		CASING DATA						
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	Duration of Flow
SI							913		914		14 Days
1.			.750			58	132		102		3 Hrs.
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	12.365		114	1.0019	.9393	1.014	1345				
2.											
3.											
4.											
5.											
NO.	P _g	Temp. °R	T _g	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 _____ XXXXXX						
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.						
5.					Critical Temperature _____ R _____ R						
P _c	926	P _c	857476								
NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{857476}{836740}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0219}{}$						
1		144	20736	836740							
2											
3											
4											
5											
Absolute Open Flow					1373			Mcf @ 15.025		Angle of Slope	
Slope, n					.85						
Remarks: Gas vented during test = 205 MCF/D											
Approved by Division			Conducted By:			Calculated By:			Checked By:		
			Jim Boone			Ed Mabe			KD 1-22-85		