

NEW MEXICO OIL CONSERVATION COMMISSION
DELIVERABILITY TEST REPORT

RECEIVED

Form C-122-C
Revised 9-1-65

AUG 5 1982

Type Test ☐ Initial ☐ Annual ☒ Special				Test Date 7-19-82		O. C. 6209 FSL		
Company JACK GRYNBERG				Connection TRANSWESTERN PIPELINE		ARTESIA, OFFICE		
Pool PECOS SLOPE				Formation ABO		Unit 0		
Completion 1-29-82		Total Depth 4152		Plug Back TD 4066		Elevation 4149 KB		
Csg. Size 4.5		Wt. 10.5		d 4.052		Set At 4060		
Tbg. Size 2.375		Wt. 4.7		d 1.995		Set At 3810		
Perforations: From 3664 To 3921				Perforations: From OPEN To ENDED				
Well No. 1				Unit Sec. Twp. Rge. 0 29 5S 24E				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE		County CHAVES		
Producing Thru TUBING		Reservoir Temp. °F 112 @ 3793		Mean Annual Temp. °F 60°		Baro. Press. - P _a 13.2		
L 3793		H 3793		Gg. .685		% CO ₂ 1.55		
				% N ₂ 9.99		% H ₂ S		
				Prover		Meter Run 2"		
				Taps				
FLOW DATA						TUBING DATA		
CASING DATA						Duration of Flow		
NO.	Prover Line Size	X	Choke Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	
SI	2.00	X	1-3/8				945	
1.	2.00	X	1-3/8	360	40	76.5	388	
							90	
							480	
NO.	Coefficient (24-Hour)	$\sqrt{h_w P_m}$		Pressure P _m	Flow Temp. Factor Ft	Gravity Factor F _g	Super Compress. Factor F _{pv}	
1.	10.4600	122.18		373.2	.9845	1.2082	1.0320	
							1,568.8	
NO.	P _r	Temp. R.	T _r	Z	Gas Liquid Hydrocarbon Ratio DRY GAS Mcl/bbl.			
					A.P.I. Gravity of Liquid Hydrocarbons DRY Deg.			
					Specific Gravity Separator Gas .6850 XXXXXXXXXX			
					Specific Gravity Flowing Fluid XXXXX			
					Critical Pressure p.s.i.a. p.s.i.a.			
					Critical Temperature R R			
					P _f P _f ²			
NO.	P _i	P _i ²	P _c ² - P _i ²	P _w	P _w ²	P _c ² - P _w ²	P _s	
				493.2	243.2	674.9		

$$\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right] = \left[\frac{544.9}{674.9} \right] = .80738$$

$$\text{Log} \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right] = .09292$$

$$\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = .8374$$

$$n \text{ Log} \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right] = .07707$$

$$\text{Deliv.} = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n (1,568.8)(.8374)$$

Deliv. 1,313.7 Mctd
n 8296

PREVIOUS BACK PRESSURE TEST
(Source of n)

Commission _____

Company _____

Others _____

BENNETT CATHEY WIRELINE