

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-29-85		AUG 02 1985	
Company El Paso Natural Gas				Connection			
Pool Aztec				Formation Pictured Cliffs		Unit DIST. 3	
Completion Date 7-29-85		Total Depth 2068		Plug Back TD 2058		Elevation 5639 GR	
Farm or Lease Name Hubbell				Well No. #11			
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At 2068	Perforations: From 1958 To 2034		Unit Sec. Twp. Rge. P 18 29 10	
Tubingless Completion				Packers Set At None		County San Juan	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Baro. Press. - P _g 12		State New Mexico	
Producing Thru Csg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Prover Meter Run Taps	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S		
		.670					

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.			.750	11		65			213		7 Days
2.									11		3 Hrs.
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	12.365		23	.9952	.9463	1.004	269
2							
3							
4							
5							

NO.	P _f	Temp. °R	T _f	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 225	P _w 50625	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{50625}{49896}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0124$
NO. 1	P _w 27	P _w ² 729	P _c ² - P _w ² 49896
2			
3			
4			
5			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 272$	
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Absolute Open Flow 272 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
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Remarks: Gas vented during test = 21 MCF.			
Approved By Commission:	Conducted By: Bob Easterling	Calculated By: Ed Mabe	Checked By: kld