

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

File 134
55
Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-28-76		AUG 3 1976		
Company David Fasken				Connection El Paso Natural Gas Co.					
Pool Burton Flat Hot Strawn				Formation Strawn				Unit D.C.C. ARTESIA, OFFICE	
Completion Date 7-15-76		Total Depth 11445		Plug Back TD 10508		Elevation 3236 GR		Farm or Lease Name El Paso Federal	
Csq. Size 4 1/2	Wt. 11.6	d 4.000	Set At 11295	Perforations: From 9971 To 9989		Well No. 3			
Thg. Size 2 3/8	Wt. 4.70	d 1.995	Set At 9612	Perforations: From To		Unit Sec. Twp. Rge. H 1 21S 26E			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas					Packer Set At Bottom @ 9612		County Eddy		
Producing Thru Tubing		Reservoir Temp. °F 160 @ 9880		Mean Annual Temp. °F 70		Baro. Press. - P _a 13.2		State New Mexico	
L 9980	H 9980	G _g 0.600	% CO ₂	% N ₂	% H ₂ S	Prover Pos. ck	Meter Run	Taps	

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	24 hrs.			2886			2886		Pkr		
1.	2"	X	8/64	2085		80	2085	80			60 min.
2.	2"	X	9/64	1892		80	1892	80			60 min.
3.	2"	X	10/64	1686		82	1686	82			60 min.
4.	2"	X	11/64	1376		80	1376	80			60 min.
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	0.2618		2098.2	0.9813	1.291	1.133	788.5
2	0.3346		1905.2	0.9813	1.291	1.128	911.0
3	0.4173		1699.2	0.9795	1.291	1.119	1003.4
4	0.5090		1389.2	0.9813	1.291	1.175	1052.6
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Dry Gas	Mcf/bbl.
1	3.13	540	1.51	.779	A.P.I. Gravity of Liquid Hydrocarbons		Deq.
2	2.84	540	1.51	.786	Specific Gravity Separator Gas	0.600	X X X X X X X X
3	2.53	542	1.51	.799	Specific Gravity Flowing Fluid	X X X X X	
4	2.09	540	1.51	.824	Critical Pressure	P.S.I.A.	671 P.S.I.A.
5					Critical Temperature	R	358 R

P _f 4526.2 P _f ² 20486				$(1) \frac{P_c^2}{P_c^2 - R_w^2} = 1.3112718$ $(2) \left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.3112718$	
NO.	P _t ²	P _s	P _s ²	P _f ² - P _s ²	
1		3563.2	12696	7790	
2		3076.2	9463	11023	
3		2663.2	7093	13393	
4		2205.2	4863	15623	
5					

Absolute Open Flow			1380.2	Mcf/d @ 15.025	Angle of Slope @	45°	Slope, n	1.000
Remarks: BHP measured with Amerada RPG-3 gauge Ser. No. 39002 0-5000 psi								
Approved By Commission:			Conducted By:		Calculated By:		Checked By:	
			Tefteller, Inc		F. Tefteller			