

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

U.S. CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

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JUN 13 1984

Form C-122
Revised 10-1-78

F. I. E.
C/SF

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

O. C. D.

ARTESIA, OFFICE

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 5/21/84	
Company Mesa Petroleum Co.		Correction	
Pool Pecos Slope Abo		Formation Atoka	
Completion Date 4/12/84		Total Depth 3900'	Plug Back TD 3834'
		Elevation 3781' GR	Form or Lease Name Trout Fed Com
Csg. Size 4 1/2"	Wt. 11.6 #/ft.	Set At 4.000	Perforations: From 3368' To 3626'
Tub. Size 2 3/8"	Wt. 4.7 #/ft.	Set At 1.995	Perforations: From To
Type Well - Single - Nindenhead - G.G. or G.O. Multiple Single		Packer Set At None	Well No. 1
Producing thru Tubing		Reservoir Temp. °F 100°F	Mean Annual Temp. °F 60°F
		Baro. Press. - P _g 13.2	Unit Sec. Twp. Hys. H 25 T6S R24E
L 3500	H 3500	Cg .661	% CO ₂ - % N ₂ - % H ₂ S -
FLOW DATA		TUBING DATA	
NO.	Prover Line Size	Orifice Size	Press. p.s.i.g.
1.	2" x 1"	16	60
2.	2" x 1"	13	70
3.	2" x 1"	7	80
4.	2" x 1"	3	84
5.			
RATE OF FLOW CALCULATIONS		Casing Data	
NO.	Coefficient (24 Hour)	Pressure P _m	Flow Temp. Factor F _t
1.	17.09	29.2	1.000
2.	17.09	26.2	.9905
3.	17.09	20.2	.9813
4.	17.09	16.2	.9777
5.			
NO.	P ₁	Temp. °R	T ₁
1.	.0440	525	1.3889
2.	.0400	535	1.4153
3.	.0300	545	1.4418
4.	.0240	549	1.4524
5.			
Gas Liquid Hydrocarbon Ratio		Super Compress. Factor, F _{pv}	
A.P.I. Gravity of Liquid Hydrocarbons		Rate of Flow Q, Mcfd	
Specific Gravity Separator Gas		614	
Specific Gravity Flowing Fluid		546	
Critical Pressure		417	
Critical Temperature		333	
NO.	P ₁ ²	P _w ²	P _w ² - P ₁ ²
1.	448.2	200.9	238.9
2.	298.2	88.9	350.9
3.	225.2	50.7	389.1
4.	193.2	37.3	402.5
5.			
Absolute Open Flow		Angle of Slope	
364 Mcfd @ 15.025		45	
Remarks: n=1 was used, stabilized flow rates were not obtained over period tested.			
Copy to cry, LMC TCS TCM JMC, GCM, Partners, REM			
Approved By Division		Checked By:	
James Craig		Joe Bob Perkins	

Trowl Fed Com No. 1
 25-TGS-R24E
 Chaves Co., N.M.

