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Form C-122
Revised 9-1-65

NE[illegible]EXICO OIL CONSERVATION COMMSS[illegible]

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
SEP 11 1975
O. C. C.
ARTESIA, OFFICE

Type Test: ☐ Initial ☒ Annual ☐ Special			Test Date: 9-4-75	
Company: J. M. Huber Corporation	Connection: Transwestern			Unit:
Pool: Burton Flat [illegible]	Formation: Morrow			
Completion Date: 8-20-74	Total Depth: 11,735	Plug Back TD: 11,533	Elevation: 3235.3 GL	Farm or Lease Name: Allied State Com.
Csg. Size: 4½" / Wt.: 11.60 / d: 4.000 / Set At: 11,735		Perforations: From 11,428 / 11,425 To 11,456		Well No.: 1
Tbg. Size: 2 3/8" / Wt.: 4.6 / d: 1.995 / Set At: 11,395		Perforations: From To		Unit: C / Sec.: 16 / Twp.: 21 / Rge.: 27E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 11,395		County: Eddy
Producing Thru: Tbg.	Reservoir Temp. °F: 186 @ 11,140	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
11,395	11,395	0.598	None	None	None		2"	Flange

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							1861.0				72
1.	2"	X	1.250	725.0	15.0	72	942.0				24
2.											
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	8.190	105.2	738.2	0.9887	1.233	1.058	1102
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	1.10	532	1.50	0.893
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio	475 Mcf/bbl.	
A.P.I. Gravity of Liquid Hydrocarbons	57 Deg.	
Specific Gravity Separator Gas	0.598	XXXXXXXXX
Specific Gravity Flowing Fluid	XXXXX	0.604
Critical Pressure	672 P.S.I.A.	671 P.S.I.A.
Critical Temperature	356 R	358 R

P_c 1874.2 P_c^2 3512.6

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		992.2	984.5	2528.1
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.389$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.389$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,531.1$

Absolute Open Flow 1,531 Mcfd @ 15.025 | Angle of Slope θ 45 | Slope, n 1.000

Remarks: Produced 1.16 bbls. water & 2.32 bbls. condensate on 24 hour test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Paul Powers	Paul Powers	[signature]