NE MEXICO OIL CONSERVATION COMMS N

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

CEIVED

JUL 16 1973

O. C. C.
ARTESIA, OFFICE

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 7-9-73	
Company: J. M. Huber Corp.	Connection: Transwestern			Unit:
Pool: South Carlsbad	Formation: Morrow			
Completion Date: 3-14-73	Total Depth: 12,096	Plug Back TD: 11,650	Elevation: GL 3269	Farm or Lease Name: O'Neill Federal
Csg. Size: 5½	Wt.: 17.0 / 15.5	d: 4.892 / 4.950	Set At: 11,673	Perforations: From 11,525 To 11,598
Well No.: 1				
Tbg. Size: 2⅜	Wt.: 6.5	d: 2.441	Set At: 11,380	Perforations: From To
Unit:	Sec.: 23	Twp.: 23S	Rge.: 26E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 11,380	County: Eddy	
Producing Thru: Tbg.	Reservoir Temp. °F: 197 @ 11,350	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
11.562	11.562	0.576					4	Flange

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					3588.0				72
1.	4 X 1.750	630.0	19.5	57	3127.0				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	14.93	112.0	643.2	1.003	1.318	1.052	2324
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	0.96	517	1.49	0.903
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas 0.576 XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 672 P.S.I.A. _____ P.S.I.A.
Critical Temperature 346 R _____ R

P_c 3601.2 P_c^2 12968.6

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		3151.2	9930.1	3038.5
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.268$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.484$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5,773$

Absolute Open Flow 5773 Mcfd @ 15.025 Angle of Slope θ 58 Slope, n 0.627

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Paul E. Powers	Paul E. Powers	D. D. McCord