

dsy
file

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WERE RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1/31/89		FEB 16 '89	
Company J.M. Huber Corporation		Connection Enron Pipeline Corporation			
Well Burton Flats		Formation Atoka		Unit O.C.D. OFFICE	
Completion Date 11/8/88		Total Depth 11742'		Plug Back TD 10900'	
Elevation 3247' KB		Farm or Lease Name Allied State Com		Well No. 1	
Cas. Size 4 1/2"	Wt. 11.6	d 4.000	Set At 11742'	Perforations: From 10792' To 10804'	
Tub. Size 2 3/8"	Wt. 4.7	d 1.995	Set At 10699'	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At 10633'	
Producing Thru Tubing		Reservoir Temp. °F 166 10798'		Mean Annual Temp. °F 60°	
Baro. Press. - P _a 13.2		State New Mexico		County Eddy	
L 10792'	H 10792'	G _g 0.596	% CO ₂ 0.22	% N ₂ 0.0	% H ₂ S -
Prover -		Meter Run 2.067		Taps Flg.	

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							3560	60	PACKER		14 days
1.	2.067	X 0.625		220	12	57	3260				1.0 hr
2.	2.067	X 0.625		320	13	63	2955				1.0 hr
3.	2.067	X 0.625		320	15	66	2715				1.0 hr
4.	2.067	X 0.625		320	32	66	2295				1.0 hr
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, Mscf
1	1.866	52.90	233.2	1.003	1.295	1.021	131
2	1.866	65.81	333.2	0.9971	1.295	1.028	163
3	1.866	70.70	333.2	0.9943	1.295	1.027	174
4	1.866	103.26	333.2	0.9943	1.295	1.027	255
5.							

NO. P _r Temp. °R T _r Z					Gas Liquid Hydrocarbon Ratio _____ Mscf/bbl.	
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
1	0.35	517	1.46	0.960	Specific Gravity Separator Gas _____ 0.596 XXXXXXXXXX	
2	0.50	523	1.48	0.946	Specific Gravity Flowing Fluid _____ XXXXX	
3	0.50	526	1.49	0.948	Critical Pressure _____ 672 P.S.I.A. _____ P.S.I.A.	
4	0.50	526	1.49	0.948	Critical Temperature _____ 354 °R _____ °R	
5						

F _c 3573.2 P _c ² 12767.8				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.717$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.310$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1		3273.3	10714.3	2053.5			
2		2968.3	8811.0	3956.8			
3		2728.35	7443.9	5323.9			
4		2308.6	5329.7	7438.1			
5							

Absolute Open Flow 334 Mscf @ 15.025		Angle of Slope θ 63.5		Slope, n .500	
Remarks: No Fluid Produced During test					
Approved By Division		Conducted By: Jarrel Services, Inc.		Calculated By: Bob Murray	
				Checked By: D. Dickerson	

PCl 672 TCl 354
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One copy is to be filed in District Office (Work copy acceptable)