Copy to SF 7/18/88

N MEXICO OIL CONSERVATION COMM ON

Form C-122
Revised 9-1-65

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
MAY 15 1974
O. C. C.
ARTESIA, OFFICE

Type Test: [x] Initial [ ] Annual [ ] Special				Test Date: 5-6-74	
Company: Jake L. Hamon		Connection: To Air			
Pool: South Carlsbad (Morrow)		Formation: Morrow		Unit	
Completion Date: 4-27-74	Total Depth: 11898'	Plug Back TD: 11,832'	Elevation: 3289 K.B.	Farm or Lease Name: State "K" 4401	
Csg. Size: 5 1/2" / Wt.: 17#&20# / d: / Set At: 11902.41'		Perforations: From 11605 To 11621		Well No.: 1	
Tbg. Size: 2 7/8" / Wt.: 6.5# / d: / Set At: 11498'		Perforations: From open To end		Unit: C / Sec.: 2 / Twp.: 24S / Rge.: 26E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 11498		County: Eddy	
Producing Thru: Tubing	Reservoir Temp. °F: 203 @ 11650	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
11650	11650	0.5954	1.327	3.867	-0-	----	3"	Flange

	FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI						3942.0		PACKER	CHOKE	
1.	3"	x 1.00"	405.0	11.0	82	3699.0	68		5/64"	1 Hr.
2.	3"	x 1.00"	550.0	25.0	89	3537.0	69		7/64"	1 Hr.
3.	3"	x 1.00"	700.0	65.0	89	3197.0	70		9/64"	1 Hr.
4.	3"	x 1.00"	810.0	74.0	84	2949.0	70		11/64"	1 Hr.
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	4,789	67.82	418.2	.9795	1,296	1,027	423
2	4,789	118.66	563.2	.9732	1,296	1,034	741
3	4,789	199.85	713.2	.9732	1,296	1,043	1259
4	4,789	246.81	823.2	.9777	1,296	1,053	1577
5							

NO.	P_t	Temp. °R	T_r	Z
1	.62	542	1.58	.948
2	.84	549	1.60	.936
3	1.06	549	1.60	.919
4	1.23	544	1.58	.902
5				

Gas Liquid Hydrocarbon Ratio TSTM Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons ____ Deg.
Specific Gravity Separator Gas 0.5954 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 671 P.S.I.A. ____ P.S.I.A.
Critical Temperature 344 R ____ R

P_c 5003.2 P_c^2 25032

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		4593.2	21097	3935
2		4393.2	19300	5732
3		4143.2	17166	7866
4		3898.2	15196	9836
5				

(1) $\frac{P_f^2}{P_I^2 - P_S^2} = 2.5449$ (2) $\left[\frac{P_f^2}{P_I^2 - P_S^2}\right]^n = 2.5449$

AOF = Q $\left[\frac{P_f^2}{P_I^2 - P_S^2}\right]^n = 4013$

Absolute Open Flow 4013 Mcfd @ 15.025 Angle of Slope θ 45° Slope, n 1,000Limit

Remarks: ~~Bottom hole pressures measured with Amerada Gage @ 11,650'~~

Good Point Alignment - But, inexcess of 1,000 Slope (n)

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	D. Tyson	R. West	