NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 1-29-73	
Company: Coquina Oil Corporation	Connection: None		
Pool: ~~Undesignated~~ West Atoka Cisco Gas R-4548	Formation: Cisco		Unit
Completion Date: 1-29-73	Total Depth: 8795'	Plug Back TD: 7222'	Elevation: 3480' KB	Farm or Lease Name: Five Mile ~~Unit~~

Csg. Size	Wt.	d	Set At	Perforations: From	To	Well No.
4 1/2"	10.5;11.6		7287.53	7113	~~7126~~ 7140	1

Tbg. Size	Wt.	d	Set At	Perforations: From	To	Unit	Sec.	Twp.	Rge.
2 3/8	4.70#	1.993"	7031.81	~~7132~~	~~7140~~	H	14	18	25

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single	6959'	Eddy

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
2 3/8" Tbg.	168 @ 7000'	60°	13.2	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
							3"	Flange 3.068 w/ 2" Plate

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							1793				
1.	3.0"		2.0"	320	6.8	82	1700	68°			60 Min
2.	3.0"		2.0"	325	12.0	80	1620	68°			60 Min
3.	3.0"		2.0"	330	19.5	76	1482	68°			60 Min
4.	3.0"		2.0"	340	28.0	72	1280	70°			60 Min
5.											

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ARTESIA, NEW MEXICO

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	Choke
1	27.52	2.608	18.254	.9795	.9320	1.034	1,237	14/64
2.	27.52	3.464	18.390	.9813	.9320	1.034	1,658	17/64
3.	27.52	4.416	18.526	.9850	.9320	1.036	2,141	20/64
4.	27.52	5.292	18.794	.9887	.9320	1.038	2,618	24/64
5.								

NO.	P_r	Temp. °R	T_r	Z
1.	.49	542	1.39	.936
2.	.50	540	1.39	.935
3.	.51	536	1.38	.932
4.	.52	532	1.37	.928
5.				

Gas Liquid Hydrocarbon Ratio 15-1 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 60.454 Deg.
Specific Gravity Separator Gas .6682 xxxxxxxxx
Specific Gravity Flowing Fluid xxxxx
Critical Pressure 668.1 P.S.I.A. ______ P.S.I.A.
Critical Temperature 384.5 R ______ R

P_c 2313 P_c^2 5350

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		2218	4920	430
2		2057	4231	1119
3		1910	3648	1702*
4		1719	2955	2395
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.143$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.0387$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4,364$

posted 2-16-73

Absolute Open Flow 4,364 Mcfd @ 15.025 Angle of Slope θ 59° Slope, n .622

Remarks: Pf Substituted for PW--Measured with Amerada RPG-3 Instrument @ 7127'

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	John Spruill	John Spruill	