

OIL CONSERVATION DIVISION

P. O. DRAWER DD

ARTESIA, NM 88210

RECEIVED

NOTICE OF GAS CONNECTION

DATE 10/14/81

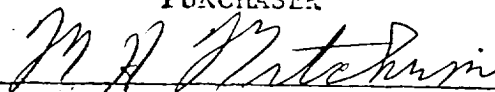
OCT 19 1981

This is to notify the Oil Conservation Division that connection for the purchase
of gas from the Coquina Oil Corporation
OPERATOR

<u>Nymeyer #1</u>	<u>Eddy</u>	<u>F 15-23S-28E</u>
LEASE & WELL	COUNTY	UNIT S-T-R
<u>South Culebra Bluff - Atoka</u>	<u>El Paso Natural Gas Co.</u>	
POOL	NAME OF PURCHASER	
was made on <u>October 12, 1981</u>	<u>32955</u>	<u>01</u>
DATE	SITE CODE	SITE WELL NUM

El Paso Natural Gas Co.

PURCHASER



REPRESENTATIVE

Assistant Chief Division Dispatcher

TITLE

MHM: b1
cc: Operator
Oil Conservation Division - Santa Fe, NM

M. E. McEuen
Proration
Measurement - Jal
R. L. Tabb
Earl Smith
File

MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-20-81		JUL 27 1981	
Company Coquina Oil Corp.				Connection None			
Pool S. Culpebra B/L RE-Atoka				Formation Atoka		Unit Atoka	
Completion Date 7-20-81		Total Depth 12,820		Plug Back TD 11912		Elevation 3001 GR	
Casing Size 7 7/8" x 9 7/8"		Set At 11942		Perforations: From 11594 To 11616		Well No. 1	
Tub. Size 2 7/8"		Set At 11619		Perforations: From To		Unit Sec. Twp. Range F 15 23 28	
Type Well - Single - Prodenhead - G.G. or G.O. Multiple Single				Packer Set At 11,516		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 216 @ 11,582		Mean Annual Temp. °F 68		Baro. Press. - P _a 13.2	
L		H		G _g .5717		% CO ₂ .50	
				% N ₂ .17		% H ₂ S 0	
				Prover		Meter Run 4.026	
						Taps Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							6519				
1.	4.026	2.0	280	4.2	61	6379	70	Packer			60 min.
2.	4.026	2.0	480	11.0	60	6128	70				60 min.
3.	4.026	2.0	485	17.8	74	6037	72				60 min.
4.	4.026	2.0	480	30.5	57	5808	72				60 min.
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, Mgd
1.	19.81	35.09	293.2	.9990	1.322	1.023	939
2.	19.81	73.66	493.2	1.000	1.322	1.039	2004
3.	19.81	94.17	498.2	.9868	1.322	1.039	2529
4.	19.81	122.65	493.2	1.003	1.322	1.039	3347
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	.44	521	1.51	.955			.5717		672	346
2.	.73	520	1.50	.927						
3.	.74	534	1.54	.926						
4.	.73	517	1.49	.926						
5.										

P _c 7892.2 P _c ² 62287				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 5.616$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.1382$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	$AQF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 13,850$
1	7738.2	59880	2407		
2	7503.2	56298	5989		
3	7383.2	54512	7775		
4	7155.2	51197	11090		
5					

Absolute Open Flow 13850		Mgd @ 15.025		Angle of Slope ° 50.5		Slope, n .823	
Remarks: PC Substituted for PT measured with Amerada Instrument No. 33118 0 - 10,500 # Element							
Approved By Commission:		Conducted By: Spruell		Calculated By: Spruell		Checked By: Pyle	

COQUINA OIL C P.

NEMEYER NO. 1

ABSOLUTE OPEN FLOW TEST

7-20-81

