

NEW MEXICO OIL CONSERVATION DIVISION

P. O. DRAWER "DD"

ARTESIA, NEW MEXICO 88210

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O. C. D.

ARTESIA OFFICE

c/SF
File

NOTICE OF GAS CONNECTION

DATE January 16, 1984

This is to notify the Oil Conservation Division that connection for the
purchase of gas from the TXO Prod. ✓
Operator

TXO Yates Fed.

Lease

17020S-29E, Eddy County

S.T.R.

Transwestern

Name of Purchaser

was made on January 16, 1984

#5- Unit letter ~~unknown~~

Well Unit

C. Linton Platt
Undesignated (Morrow)

Pool

Transwestern Pipeline Company
Company

Rodney C. Burke Rodney C. Burke
Representative

Jr. Analyst, Contract Administration
Title

cc: Operator
Oil Conservation Division
P. O. Box 2008
Santa Fe, New Mexico 87501

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

Form C-122
Revised 9-1-65

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ARTESIA, OFFICE

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12-7-83	
Company TXO PRODUCTION COMPANY		Connection Delhi Gas	
Pool East Burton Flat Morrow		Formation Morrow	
Completion Date 10-30-83		Total Depth 11,770'	Plug Back TD 11,588'
Elevation 3290 G.L.		Farm or Lease Name Yates Federal	
Cas. Size 4 1/2"	Wi. 13.5#	d 3,920	Set At 11,770'
Thq. Size 2 3/8"	Wi.	d 11,200'	Set At 11,200'
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single		Packer Set At 11,200	
Producing Thru Tubing		Reservoir Temp. °F 186°	Mean Annual Temp. °F 60°
		Baro. Press. - P _g 13.2	Well No. 5
L 11,200	H 11,200	C _g .626	% CO ₂ -0-
		% N ₂ 3.12	% H ₂ S
Prover		Meter Run 2"	Tape Flange

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							2477		PKR	CHOKE	
1.	2.067 x 1.250			620	56	69	1577	64		15/64	24 Hr.
2.	2.067 x 1.250			620	43	72	1720	63		13/64	1 Hr.
3.	2.067 x 1.250			620	17	64	2035	63		10/64	1 Hr.
4.	2.067 x 1.250			620	5	74	2299	63		7/64	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 F _g	Super. Comp. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	8.120	188.31	633.2	.9915	1.264	1.052	2016
2	8.120	165.00	633.2	.9887	1.264	1.052	1761
3	8.120	102.93	633.2	.9962	1.264	1.054	1109
4	8.120	55.82	633.2	.9868	1.264	1.050	594
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	.95	529	1.49	.904	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2	.95	532	1.49	.904	Specific Gravity Separator Gas .626
3	.95	524	1.47	.900	Specific Gravity Flowing Fluid .XXXXXX
4	.95	534	1.50	.907	Critical Pressure 666 P.S.I.A.
5					Critical Temperature 356 R

NO.	P _i ²	P _w ²	P _e ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.744$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.744$
1		1626.2	2644.5	3556.6		
2		1762.2	3105.3	3095.8		
3		2058.5	4237.4	1963.7		
4		2315.4	5361.1	840.0		
5						

Absolute Open Flow 3,515		Mcf/d @ 15.025	Angle of Slope 45°	Slope, n 1.00
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Remarks: Equivalent length friction factor was calculated. Well was tested from high rate to low rate due to water problems.

Approved By Commission:	Conducted By: W.S.	Calculated By: R.R.	Checked By: R.R.
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