

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-8719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210		OGRID Number 025575
		Reason for Filing Code CG - effective 10-1-95
API Number 30 - 0 05- 61414	Pool Name Pecos Slope Abo	Pool Code 82730
Property Code 12233	Property Name Everette 00 Federal	Well Number 5

II. Surface Location

UL or lot no. P	Section 25	Township 5S	Range 24E	Lot Idn	Feet from the 660	North/South Line South	Feet from the 660	East/West line East	County Chaves
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Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lee Code F	Producing Method Code F	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
015694	Navajo Refining Co. P.O. Drawer 159 Artesia, NM 88210		0	
147831	Agave Energy Co. 105 S. 4th St. Artesia, NM 88210	2686730	G	Unit P - Section 25-T5S-R24E RECEIVED MAR 28 1996 OIL FIELD DIV.

IV. Produced Water

POD 2686750	POD ULSTR Location and Description Unit P - Section 25-T5S-R24E
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V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations
Hole Size	Casing & Tubing Size	Depth Set	Seals Cement	

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Csg. Pressure
Choke Size	Oil	Water	Gas	AOF	Test Method

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Rusty Klein

Printed name: Rusty Klein

Title: Production Clerk

Date: 3-26-96 Phone: 505-748-1471

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNATURE OF THE W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date: MAR 29 1996

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

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

Form O-122

454 file

RECEIVED

Type Test [X] Initial [] Annual [] Special				Test Date 10/23/82		JAN 11 1983	
Company Mares Petroleum Corporation				Connection Transwestern Pipeline Company		O.C.D.	
Pool Pecos Slope - Abo Gas				Formation Abo		Unit ARTESIA, OFFICE	
Completion Date 04-27-82		Total Depth 4180.0'		Plug Back TD 4059.0'		Elevation 3863.2'	
Farm or Lease Name Everette "00" Fed.							
Cap Size 4.500"	Wt. 9.500#	d 4.030"	Set Rt 4152.0'	Perforations: From 3660.0' To 3841.0'		Well No. 5	
Tbg Size 2.375"	Wt. 4.700#	d 1.995"	Set Rt 3630.0'	Perforations: From 0.0' To 0.0'		Unit Sec Twp Rge P 25 5S 24E	
Type Well Single				Packer Set Rt 3630.0'		County Chaves	
Producing Thru Tubing		Resv. Temp. °F 98 @ 3751'		Mean Temp. °F 62.0		Baro. Press. - Pa 13.2 psia.	
State New Mexico							
L 3630.0'	H 3630.0'	Gg .643	%CO2 .04	%N2 5.65	%H2S 0.00	Proven 0.000"	Meter Run 2.000"
						Taps Flange	
FLOW DATA				TUBING DATA		CASING DATA	
NO	Proven Orifice Size X Size	Press. psig	Diff. hw	Temp. °F	Press. psig	Temp. °F	Press. psig
1.	0.000 X 0.000	0	0.0	0	1010	0	0
2.	2.067 X 1.250	180	31.5	60	911	62	0
3.	2.067 X 1.250	170	46.2	60	885	62	0
4.	2.067 X 1.250	160	67.2	57	853	62	0
5.	2.067 X 1.250	150	82.0	54	810	62	0
6.	0.000 X 0.000	0	0.0	0	0	0	0
Duration of Flow							
1.							0 hrs.
2.							24 hrs.
3.							24 hrs.
4.							24 hrs.
5.							24 hrs.
6.							0 hrs.
RATE OF FLOW CALCULATIONS							
NO	Coefficient (24 HOUR)	Flow Pm	Pressure Pm	Flow Temp Factor Ft.	Gravity Factor Fg	Super Compress. Fact. Fpu	Rate of Flow Q, Mcfd
1.	8.134	78.01	193.20	1.000	1.247	1.015	803
2.	8.134	92.00	183.20	1.000	1.247	1.014	947
3.	8.134	107.88	173.20	1.003	1.247	1.014	1113
4.	8.134	115.68	163.20	1.006	1.247	1.013	1196
5.	0.000	0.00	0.00	0.000	0.000	0.000	0
NO	Pr	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio Dry Mcf/bbl.		
1.	.29	520	1.46	.970	A.P.I. Gravity of Liquid Hydrocarbons 0.000 Deg.		
2.	.28	520	1.46	.972	Specific Gravity Separator Gas .643		
3.	.26	517	1.46	.973	Specific Gravity Flowing Fluid .643		
4.	.25	514	1.45	.974	Critical Pressure 659.0 PSIA		
5.	0.00	0	0.00	0.000	Critical Temperature 355.0°R		
Pc 1023.2 Pc² 1046.9							
NO	Pt²	Pw²	Pc²-Pw²	(1)	(2)		
1.	854.1	928.3	861.8	185.1	$\frac{Pc^2}{Pc^2-Pw^2} = 3.7106$		
2.	806.8	904.1	817.4	229.5	$\left[\frac{Pc^2}{Pc^2-Pw^2} \right]^n = 2.7625$		
3.	750.3	874.7	765.1	281.8	ROF = $Q \left[\frac{Pc^2}{Pc^2-Pw^2} \right]^n = 3074$ Mcfd		
4.	677.7	833.6	694.9	352.1			
5.	0.0	0.0	0.0	0.0			
Absolute Open Flow				3074 Mcfd @ 15.025		Angle of Slope, 0 38 Slope, n .775	
Remarks:							
Approved By:		Conducted By: David Weaver		Calculated By: Andie Alderson		Checked By:	

WORKSHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (PCW) C-122D

Adopted 9-1-65

DATE 10/23/82

COMPANY Yates Petroleum Corporation LEASE Everette "00" Fed. WELL NO. 5

LOCATION: Unit P Section 25 Township 5S Range 24E

L 3636.0 H 3630.0 L/H 1.000 G .643 XCO2 .04 XH2 5.65 XH2S 0.00

d 1.995 Fr .017777 GH 2334.1 Pcr 659.0 Tcr 355.0

LINE	1st Rate	2nd Rate	3rd Rate	4th Rate	5th Rate
1 Qm	.803	.947	1.113	1.196	0.000
2 Tw(W.H.*R)	522.0	522.0	522.0	522.0	0.0
3 Ts(B.H.*R)	558.0	558.0	558.0	558.0	0.0
4 T=(Tw+Ts)/2	540.0	540.0	540.0	540.0	0.0
5 Z(Est.)	.869	.872	.876	.881	0.000
6 TZ	469.1	470.8	472.9	475.9	0.0
7 GH/TZ	4.976	4.958	4.936	4.905	0.000
8 e ² (Table XIV)	1.205	1.204	1.203	1.202	0.000
9 1-e ⁻² (Table XIV)	.170	.170	.169	.168	0.000
10 Pt	924.2	898.2	866.2	823.2	0.0
11 Pt ² /1000	854.1	806.8	750.3	677.7	0.0
12 Fr (Table XV)	.017777	.017777	.017777	.017777	0.000000
13 Fc=FrTZ	8.345	8.375	8.412	8.459	0.000
14 FcQm	6.704	7.928	9.360	10.116	0.000
15 L/H(FcQm) ²	44.945	62.849	87.606	102.334	0.000
16 Fw=L/H(FcQm) ² (1-e ⁻²)	7.645	10.656	14.794	17.193	0.000
17 Pw ² =Pt ² +Fw	861.8	817.4	765.1	694.9	0.0
18 Ps ² =e ² Pw ²	1038.4	984.3	920.5	835.2	0.0
19 Ps	1019.0	992.1	959.5	913.9	0.0
20 P=(Pt+Ps)/2	971.6	945.2	912.8	868.5	0.0
21 Pr=(P/Pcr)	1.47	1.43	1.39	1.32	0.00
22 Tr=(T/Tcr)	1.52	1.52	1.52	1.52	0.00
23 Z (Table XI)	.869	.872	.876	.881	0.000

Company	Yates Petroleum Corporation
Well	Everette "00" Fed. No. 5
Location	P. 25-58-24E
County	Chaves
Date	10-23-62 11-7-62

$P_0^2 - P_w^2$, THOUSANDS

