

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

Adopted 9-1-65

DATE 11/6/84

COMPANY Yates Petroleum Corporation LEASE Caudill "RZ" Com WELL NO. 4

LOCATION: Unit G Section 8 Township 6S Range 6E

L 3855.0 H 3855.0 L/H 1.000 G .652 %CO₂ .02 %N₂ 6.31 %H₂S 0.00

d 1.995 Fr .017777 GH 2513.5 Pcr 659.7 Tcr 355.5

LINE	1st Rate	2nd Rate	3rd Rate	4th Rate	5th Rate
1 Qm	.572	.744	.850	1.132	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	.869	.870	.871	0.000
6 TZ	469.0	469.5	469.7	470.5	0.0
7 GH/TZ	5.359	5.353	5.352	5.342	0.000
8 e ^s (Table XIV)	1.222	1.222	1.222	1.222	0.000
9 1-e ^{-s} (Table XIV)	.182	.182	.182	.182	0.000
10 Pt	918.2	910.2	907.2	893.2	0.0
11 Pt ² /1000	843.1	828.5	823.0	797.8	0.0
12 Fr(Table XV)	.017777	.017777	.017777	.017777	0.000000
13 Fc=FrTZ	8.345	8.346	8.356	8.364	0.000
14 FcQm	4.773	6.213	7.101	9.471	0.000
15 L/H(FcQm) ²	22.780	38.606	50.422	89.694	0.000
16 Fw=L/H(FcQm) ² (1-e ^{-s})	4.144	7.022	9.161	16.283	0.000
17 Pw ² =Pt ² +Fw	847.2	835.5	832.2	814.1	0.0
18 Ps ² =e ^s Pw ²	1035.6	1021.2	1017.0	994.7	0.0
19 Ps	1017.7	1010.6	1008.4	997.3	0.0
20 P=(Pt+Ps)/2	967.9	960.4	957.8	945.3	0.0
21 Pr=(P/Pcr)	1.47	1.46	1.45	1.43	0.00
22 Tr=(T/Tcr)	1.52	1.52	1.52	1.52	0.00
23 Z(Table XI)	.869	.869	.870	.871	0.000

District I
PO Box 1900, Hobbs, NM 88241-1900
District II
PO Drawer DD, Artesia, NM 88211-0719
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- 61889	Pool Name Pecos Slope Abo	Pool Code 82730
Property Code 12102	Property Name Caudill RZ	Well Number 4

II. Surface Location

UL or lot no. G	Section 8	Township 6S	Range 26E	Lot Ida	Feet from the 1980	North/South Line N	Feet from the 1980	East/West line E	County Chaves
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Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Lea Code P	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		O	
147831	Agave Energy Co. 105 S. 4th St. Artesia, NM 88210	2685430	G	Unit G - Section 8-T6S-R26E

IV. Produced Water

POD 2685450	POD ULSTR Location and Description Unit G - Section 8-T6S-R26E
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V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations
				RECEIVED
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement	
			APR 17 1996	
			OIL CON. DIV.	
			DIST. 2	

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Cog. 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			OIL CONSERVATION DIVISION		
Printed name: Rusty Klein			Approved by: SUPERVISOR, DISTRICT II		
Title: Production Clerk			Approval Date: APR 18 1996		
Date: 4-12-96			Phone: 505-748-1471		
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