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[2]		ICATION [A] D		-	eck Those Which Appl Overriding Royalty Inte		t Apply
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		[C]] Ap	oplication is One W	hich Requires Publishe	d Legal Notice	
		[D] [oncurrent Approval by ment - Commissioner of Public Lai		
		[E] [G Fo	or all of the above, F	Proof of Notification or	Publication is A	ttached, and/or,
		[F]	W	aivers are Attached			

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

ames W.Y. James W Pringle **Operations** Engineer 01/16/04 Agnature Print or Type Name Title Date

District I 1625 N. French Drive, Hobbs, NM 88240

District II 811 South First Street, Artesia, NM 88210

District III 1000 Rio Brazos Road, Aziec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Department

· . . .

Form C-107A Revised May 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87505

APPLICATION FOR DOWNHOLE COMMINGLING

APPLICATION TYPE <u>X</u> Single Well Establish Pre-Approved Pools EXISTING WELLBORE <u>X</u>Yes No

Yates Petroleu	um Corpor	ation	105 Sou	th Fo	ourth S	treet		Artesia, New Mexico 88210
Operator				Ado	dress			
MEC Com		2	Lo	ot 6	6	7S	23E	Chaves
Lease		Well No.	Unit L	etter-	Section-	Townshi	ip-Range	County
OGRID No.	025575	Property Code	API No.	30	-005-6	3501	Lea	ase Type: FederalState _X_ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	West Pecos Slope Abo		Wildcat Basement (Wolfcamp)
Pool Code	82740		
Top and Bottom of PaySection (Perforated or Open-Hole Interval)	2816-2966'		3511-3522'
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	NA		NA
Oil Gravity or Gas BTU (Degree API or Gas BTU)	NA		NA
Producing, Shut-In or New Zone	New Zone		New Zone
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Rate: 600 mcfd 0 bopd 0 bwpd		Rate: 92 mcfd 0 bopd 0 bwpd
Fixed Allocation Percentage (Note: If allocation is based upon something other	Oil Gas		Oil Gas
than current or past production, supporting data or explanation will be required.)	% 87%		% 13%

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	Yes Yes	_x	No No	_x
Are all produced fluids from all commingled zones compatible with each other?	Yes _	<u>x</u>	No	
Will commingling decrease the value of production?	Yes		No _	X
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?	Yes _		No_	
NMOCD Reference Case No. applicable to this well:				
 Attachments: C-102 for each zone to be commingled showing its spacing unit and acreage dedication. Production curve for each zone for at least one year. (If not available, attach explanation.) For zones with no production history, estimated production rates and supporting data. Data to support allocation method or formula. Notification list of working, royalty and overriding royalty interests for uncommon interest cases. Any additional statements, data or documents required to support commingling. 				
PRE-APPROVED POOLS		<u> </u>		
If application is to establish Pre-Approved Pools, the following additional information will be required: List of other orders approving downhole commingling within the proposed Pre-Approved Pools List of all operators within the proposed Pre-Approved Pools Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application. Bottomhole pressure data.				
I hereby certify that the information above is true and complete to the best of my knowledge and belief.				

SIGNATURE may W. I myleritle	Operations Engineer	DATE :	01/16/04
TYPE OR PRINT NAME James W. Pringle		_TELEPHONE NO.	(505)-748-4182



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471 S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEYTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

January 16, 2004

David Catanach State of New Mexico OIL CONSERVATION DIVISION 1220 South Saint Francis Drive Santa Fe, NM 87505

Dear Mr. Catanach,

Yates Petroleum Corporation hereby seeks administrative approval to downhole commingle the production from the Wildcat Basement (Wolfcamp) and the West Pecos Slope Abo, in our MEC Com #2, located in Lot 6, Section 6, T7S-R23E, Chaves County, New Mexico.

If you have any questions or need additional information, please call me at (505) 748-4182

Sincerely,

James W. Pringle

James W. Pringle Operations Engineer

JWP/cm

Enclosures



S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEYTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471

January 16, 2004

To: Royalty Interest Owner Overriding Royalty Interest Owner

Yates Petroleum Corporation hereby seeks administrative approval to downhole commingle the production from the West Pecos Slope Abo and the Wildcat Basement (Wolfcamp) in our MEC Com #2 located in Lot 6 of Section 6, Township 7 South, Range 23 East, Chaves County, New Mexico.

Should you have any questions, or need additional information please call me at (505) 748-4182.

Sincerely,

Jame W. Pringle

James W. Pringle Operations Engineer

JWP/CM Enclosure



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471 S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEYTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

January 16, 2004

Tim Gum State of New Mexico OIL CONSERVATION DIVISION 1301 W. Grand Artesia, New Mexico 88210

Dear Mr. Gum;

Yates Petroleum Corporation hereby seeks administrative approval to downhole commingle the production from the Wildcat Basement (Wolfcamp) and the West Pecos Slope Abo, in our MEC Com #2, located in Lot 6, Section 6, T7S-R23E, Chaves County, New Mexico.

If you have any questions or need additional information, please call me at (505) 748-4182

Sincerely,

James W. Pringle

James W. Pringle Operations Engineer

JWP/cm

Enclosures



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471 S. P. YATES CHAIRMAN OF THE BOARD JOHN A. YATES PRESIDENT PEYTON YATES EXECUTIVE VICE PRESIDENT RANDY G. PATTERSON SECRETARY DENNIS G. KINSEY TREASURER

January 16, 2004

.

Armando Lopez Bureau of Land Management 2909 2nd Street Roswell, New Mexico 88201

Dear Mr. Lopez

Yates Petroleum Corporation hereby seeks administrative approval to downhole commingle the production from the Wildcat Basement (Wolfcamp) and the West Pecos Slope Abo, in our MEC Com #2, located in Lot 6, Section 6, T7S-R23E, Chaves County, New Mexico.

If you have any questions or need additional information, please call me at (505) 748-4182

Sincerely,

ma W. Pringle

James W. Pringle Operations Engineer

JWP/cm

Enclosures

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District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

220 S. SL Francis	Dr., Santa	Fe, 14141 875		ЭСАТ	TON AND	ACR	EAGE DEDICA	ATION PLA	r L	J AMEN	IDED REPOR
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⁷ OGRID	No.	1			⁸ Oj	perator N	Vame			9	Elevation
025575	5	· · ·			Yates Pe	troleur	n Corporation				4122'
		ł			¹⁰ Su	rface I	Location				
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The Wildcat Basement (Wolfcamp) is a new zone and production curves are not available.

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1625 N. French Dr.	, Hobbs, I	NM 88240		En	ergy, Mi	nerals & 1	Natura	l Resources Depai	tment		Revised	August 15, 2000
<u>District II</u> 811 South First, Art	tesia, NM	88210				ONGED	5 7777	TON DIVISION	J Su	ıbmit to 4	noropria	te District Office
District III	,								N SI	Submit to Appropriate District Office State Lease - 4 Copies		
1000 Rio Brazos Ro	I., Aztec,]	NM 87410			1			Francis Dr.				Lease - 4 Copies
District IV	···,,-					Santa	re, IN	M 87505			1.66	Lease - 5 Copies
1220 S. St. Francis	Dr., Santa	Fe, NM 875	05							Γ		NDED REPORT
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025575								m Corporation				4122'
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									under my sup	ervision, and	l that the san	ne is true and correct
									to the best of i	my belief.		
	-				1				Date of Survey			
	7				N				Signature and S	eal of Professi	ional Surveyor	
	Ŋ.				N							
FEE	1850'				N							
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					1				Certificate Num	ber		

State of New Mexico

Form C-102

District I

The West Pecos Slope Abo is a new zone and production curves are not available.

•

Royalty and Over Riding Royalty Interests Owners

Dorothy Maryln Dye Barbour 402 W. Vista Parkway Roswell, NM 88201

Pecos Slope Royalty Trust P.O. Box 7127 Dallas, Tx 75209

Albert & Ann Dye #4 Escalante Court Roswell, NM 88201

Elizabeth A. Greaves P.O. Box 814 Midland, Tx 79702

Grover Brothers LTD C/O Robert Pulliam Expressway Tower, Ste 1000 6116 North Central Expressway Dallas, Tx 75206

William L. Jennnings P.O. Box 117 Abilene, Tx 79604

J. M. & Mary Knight 2469 150th Street Afton, IA 50830

Donald W. Miller P.O. Box 152 Corrales, NM 87408-0152

Minerals Management Service P.O. Drawer 1857 Roswell, NM 88201

The Ninety-Six Corporation 550 West Texas, Ste 1225 Midland, Texas 79701 Frank M. Remmele 511 W. Tilden Street Roswell, NM 88201-4571

Rio Petro, LTD P.O. Box 7127 Dallas, Tx 75209

Maryln Sue Housewright 2522 N. Cedar Roswell, NM 88201-9749

Wes-Tex Drilling Company, L.P. P.O. Box 3739 Abilene, Tx 79604

Yates Petroleum Corporation

105 S. Fourth Street Artesia, New Mexico 88210

Fax

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To: <u>QCD-David Catanach</u> <u>Phone:</u> 505-476-3466 <u>Phone:</u> 505-748-4164 <u>Fax:</u> 505-476-3474 <u>3462</u> Date: <u>02/11/04</u> ReScurf <u>3</u>-16-0 Attn: <u>David</u> <u>Changes</u> <u>Number Pages:</u> 18+Cover

COMMENTS:

RE: MEC Com #2 Lot 6, 7S-23E, Chaves County, New Mexico API # 30-005-63501

Mr. Catanach;

Please find in this fax the Production Data per your request in your letter dated 2/9/04. (I was re-miss in noting the ABO Prod as an Est.) Also prior to the ABO on 1/2/04 is the prod for the Wolfcamp. According to our Land Dept. the Royalty Interests & Over Riding Royalty Interests are the only ones that differ. These were all notified. If this is not sufficient please call me @ 505-748-4164.

Thank you, Cherry Matchus-Engineering Tech for Jim Pringle-Operations Engineer

TOTES HILLING FIGINEERING



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor Joanna Prukop Cabinet Secretary

February 9, 2004

Lori Wrotenbery Director Oil Conservation Division

Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210

Attention: Mr. James W. Pringle

Re: Form C-107-A MEC Com No. 2 Lot 6, Section 6, T-7S, R-23E, NMPM Eddy County, New Mexico

Dear Mr. Pringle:

I have reviewed your application dated January 16, 2004 to commingle Abo and Wolfcamp production within the subject well. I need clarification on two items:

- 1. Your application included a letter that was sent to the overriding royalty interest owners. Was a copy of the application also sent to these interest owners? If not, you will be required to send them the application. It is important that they know how production from each of the commingled zones is going to be allocated.
- 2. Please provide additional information with regards to the production data submitted, and please explain how this data was obtained.

Your application will continue to be processed upon the filing of the additional_ information.

Sincerely,

David Catanach Engineer

Oil Conservation Division * 1220 South St. Francis Drive * Santa Fe, New Mexico 87505 Phone: (505) 476-3440 * Fax (505) 476-3462 * http://www.enmrd.state.nrn.us

Royalty and Over Riding Royalty Interests Owners

Dorothy Maryin Dye Barbour 402 W. Vista Parkway Roswell, NM 88201

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Pecos Siope Royalty Trust P.O. Box 7127 Dallas, Tx 75209

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Grover Brothers LTD C/O Robert Pulliam Expressway Tower, Ste 1000 6116 North Central Expressway Dallas, Tx 75206

William L. Jennnings P.O. Box 117 Abilene, Tx 79604

J. M. & Mary Knight 2469 150th Street Afton, IA 50830

Donald W. Miller P.O. Box 152 Corrales, NM 87408-0152

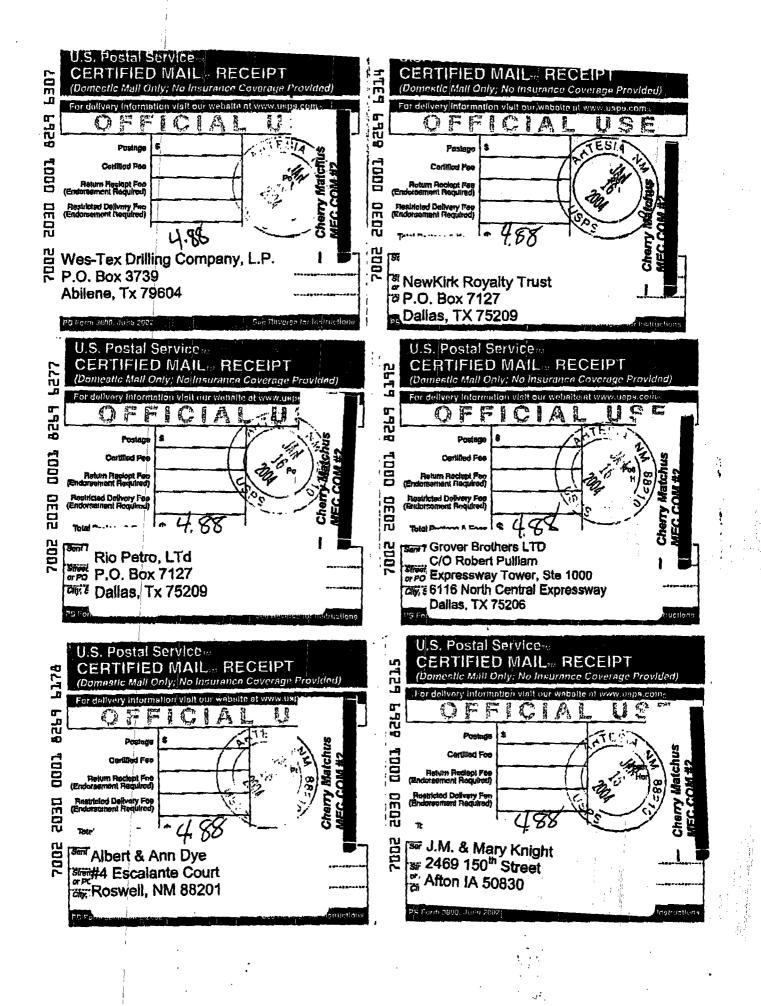
Minerals Management Service P.O. Drawer 1857 Roswell, NM 88201

The Ninety-Six Corporation 550 West Texas, Ste 1225 Midland, Texas 79701 Frank M. Remmele 511 W. Tilden Street Roswell, NM 88201-4571

Rio Petro, LTD P.O. Box 7127 Dallas, Tx 75209

Maryin Sue Housewright 2522 N. Cedar Roswell, NM 88201-9749

Wes-Tex Drilling Company, L.P. P.O. Box 3739 Abilene, Tx 79604



FAX NO. 15057484585

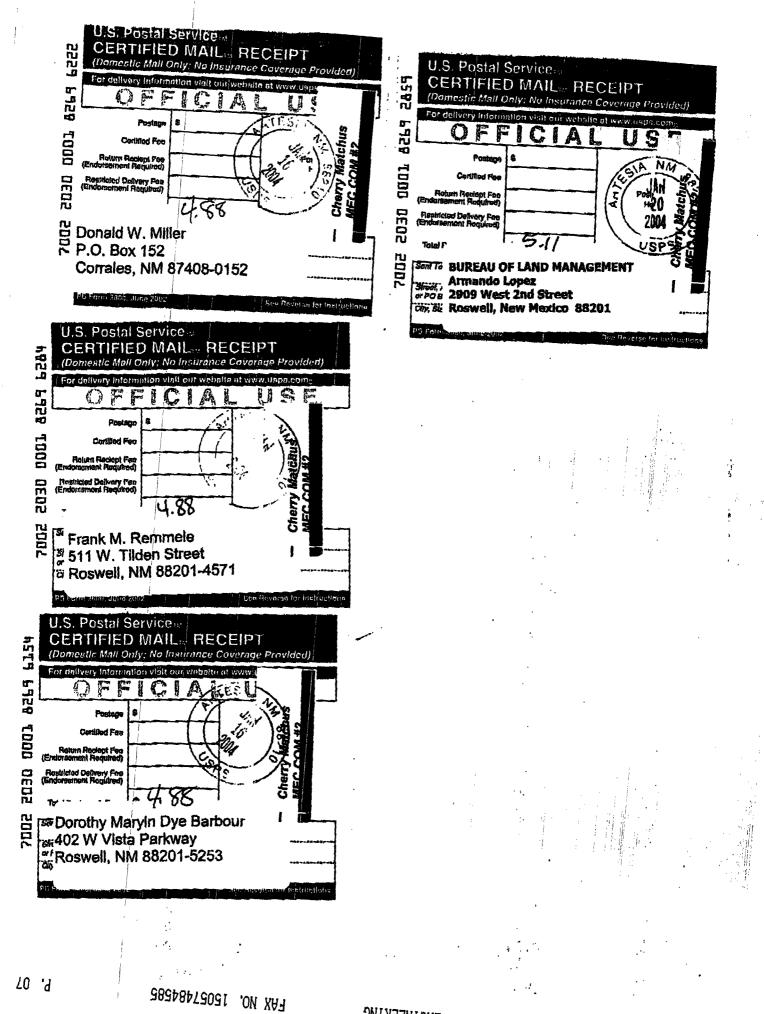
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Page 7: Yates Petroleum - MEC Com #2 (Unit L) 6-79-23E Chaves Co., NM

310#.

swab.

TIME 9 AM

10 AM

11 AM

Noon

\$3185; CC \$53,115

shut down for night.

PSI/CHOKE

75# - 3/8"

175# - 3/8" 200# - 3/8"

surf - 4

acidize. DC \$7785; CC \$60,900

12-3-03

DR

12-4-03

12-5-03

12-6-03

12-7-03

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200# - 3/8" 200# - 3/8" good gas 1 PM 724 2 PM 724 good gas 200# - 3/8" 3 PM 724 good gas DC \$6985; CC \$67,885 SITP 1150#, good gas. Bled down and load tubing. Nippled down tree. Nippled up BOP. Unset packer and POH. Nippled down BOP and nippled up frac valve. Shut well in and shut down for night. Prep to frac Friday morning. DC \$2185; CC \$70,070 Rigged up BJ and stinger frac Wolfcamp perfs 3511-22 with 58,000 gals of 65 Q C02 foam and 85000# of 20/40" Ottawa sand. Broke at 600#. Avg psi 2601#, avg rate 33 bpm. ISDP 1652#, 15 mins 1529#. TLTR = 776 bbls. Rigged down BJ. Opened well at 2:00 pm with 1450#on a 1/4" choke. Flowed well to pit for clean up. Swab report as follows: TIME FL/SR REMARKS 1450#- 1/4" 2 PM C02 & H20 3 PM 1500# C02 & WTR 4 PM 1550# C02 & WTR 1400'- 3/8" 5 PM C02 & WTR 1400' 6 PM C02 & WTR 8 PM 1300' CO2 & WTR 10 PM 1175 CO2 & WTR Midn 1050' C02 & WTR 2 AM 800' C02 & WTR 4 AM 750' CO2 & WTR 6 AM 725 ' C02 & WTR

REMARKS

CO2 & WTR

in and shut down for night. Prep to move uphole. DC

Rigged up Hobbs. Set CIBP at 3650' with 35' cement. Perf'd Wolfcamp sands as follows: 3511-22' (6 SPF) with 66 holes. Rigged down Hobbs. TIH with ASI 10K

packer with 1.87" on/off tool and set at 3448'. Tested

OK. Nippled down BOP and nippled up tree. Rigged up swab. Swab tubing dry in 3 runs, slight gas on last run. Shut well in and shut down for night. Prep to

SITP 1150#. Bled down good gas. Rigged up Dowell and acidize with 1100 gals of 7-1/2% IC acid and 99 balls. Broke at 2900#, avg 3 BPM @ 2142#. ISDP 850#, 15 mins

Started flowing. Put on 3/8" choke. Flowed well to pit. Stabilized at 200#, good gas. Shut well in and

MCF

299

639

724

TLTR 41 bbls. Rigged down Dowell. Rigged up

IFL surface, Made 4 runs and recovered 12 bbls.

good gas

good gas

good gas

12 BW, start flowing

- Anima Li

TIME

7 AM

8 AM

10 AM

Noon

2 PM

4 PM

6 PM

8 PM

10 PM

Midn

2 AM

4 AM

6 AM

DC \$60,740; CC \$130,810.

Flow well back as follows:

700#- 3/8"

FL/SR

600#

600#

600#

600#

600#

550株

500#

450#

400#

400#

425#

400#

DR	
Page 8:	
Yates Petrole:	um - MEC Com #2 (Unit L) 6-75-23E Chaves Co., NM
	DC \$4085; CC \$134,895.
12-8-03	Flowed well as follows:
	TIME FL/SR REMARKS 7 AM 250# 3/8" Brng 0/0
	8 AM 250# $378 Bing 0/0$
	10 AM 240# Brng 0/0
	Noon 240# Brng 0/0
	2 PM 240# Brng 0/0 4 PM 240# Brng 0/0
	6 PM 240# Brng 0/0
	8 PM 240# Brng 0/0
	10 PM 240# Brng 0/0 Midn 240# Brng 0/0
	Midn 240# Brng 0/0 2 AM 240# Brng 0/0
	4 AM 240 # Brng O/O
	6 AM 240# Brng 0/0
10 0 00	DC \$4085; CC \$138,980.
12-9-03	Flowed well back on 3/8" choke, stabilized at 240# with good gas. Shut well in and shut down for night. Prep
	to lub in packer.
	TIME PSI/CHOKE MCF
	7 AM 240# - 3/8" 860, good gas 8 AM 240# 860, good gas
	8 AM 240# 860, good gas 9 AM 240# 860, good gas
	10 AM 240# 860, good gas
16 10 00	DC \$2185; CC \$141,165
12-10-03	SITP 700#. Rigged up Hobbs. Run GR/JB to 3600'. Set packer, 4-1/2" ASI 10K with 1.87" on/off tool at 3448'.
	Rigged down Hobbs. TIH with tubing. Latched up on
	packer. Nippled down BOP. Nippled up tree. Rigged up
	Pro and pull blanking plug. Rigged down Pro. Flow wel
	to pit on 3/8" choke - 320# stabilizing. Shut well in and shut down for night.
	TIME PSI/CHOKE MCFD
	2 PM $460 # - 3/8"$ 1472 , good gas
	3 PM 410# - 3/8" 1438, good gas 4 PM 350# - 3/8" 1234, good gas
	5 PM $310# - 3/8"$ 1098, good gas
	DC \$7835; CC \$149,000
12-11-03	SITP 650#. Rigged down. Turned over to production.
12-12-03	DC \$2485; CC \$150,845 Turned to production.
12-12-03	No report,
12-16-03	TP 420 # on $14/64$ " - 0 bbls oil, 1 bbl water and 526
10 10 00	MCF.
12-16-03 12-17-03	ID well, TP 420# on 14/64" - 0 bbls oil, 1 bbl water and 526
14 17 00	MCF.
12-18-03	TP 240# on $16/64$ " - 0 bbls oil, 0 bbls water and 517
10 10 00	MCF. \mathbb{R}^{2}
12-19-03	TP 170 $\#$ on 18/64 $"$ - 0 bbls oil, 6 bbls watr and 346 MCF.
12-20-03	TP 110# on $20/64$ " - 0 bbls oil, 6 bbls water and 386
	MCF.
12-21-03	TP 110# on $22/64$ " - 0 bbls oil, 3 bbls water and 210 MCF.
12-22-03	TP 110# on $22/64$ " - 0 bbls oil, 2 bbls water and 175
	MCF.
12-23-03	TP 110# on 22/64" - 0 bbls oil, 3 bbls water and 155
12-24-03	MCF. TR 110# on $22/64$ = 0 bbig oil 2 bbig meters and 102
±2=44=VJ	TP 110# on $22/64$ " - 0 bbls oil, 3 bbls water and 123 MCF.
12-25-03	TP 110# on $22/64$ " - 0 bbls oil, 0 bbls water and 108
10 00 00	MCF.
12-26-03	TP 110# on 22/64" - 0 bbls oil, 0 bbls water and 105 MCF.
12-27-03	Mcr. TP 105# on 22/64" - 0 bbls oil, 0 bbls water and 80
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A set of the set of

DR Page 9: Yates Petroleum - MEC Com #2 (Unit L) 6-79-23E Chaves Co., NM **** ******* MCF. 12-28-03 TP 105# on 22/64" -0 bble of 1

12-28-03	19 105 # OR 22/64 # - 0 DD1s 011, 0 DD1s water and 79 MCF.
12-29-03	TP 105# on $22/64$ " - 0 bbls oil, 0 bbls water and 77 MCF.
12-30 - 03	TP 105# on $22/64$ " - 0 bbls oil, 3 bbls water and 105 MCF.
12-31-03	TP 150# on $22/64$ " - 0 bbls oil, 0 bbls water and 4 MCF.
1-1-04 1-2-04	TP 200#. Back on. TP 105# on 22/64" - 0 bbls oil, 0 bbls water and 92 W Cerw
1-2-04	MCF.
1-3-04	Moved in and rigged up. Loaded tubing. Nippled up BOP. Released BOP. Released packer. TOOH with 2-3/8" tubing and AS-1 packer. SWI. Shut down. Prep to set composite and perf'd. DC \$4525; CC \$155,370.
1-4-5-04	Rigged up BWWL. Set a $4-1/2$ " 11.60" composite plug at 3450'. Tested plug to 1500#. Perf'd Abo perfs: 2816-2836' with 21 holes; 2844-2860' with 17 holes; 3876-2886' with 4 holes; 2911-2915' with 5 holes; 2938-2950' with 13 holes 2956-2966' with 11 holes. Total holes = 78. SWI. Shut down. Prep to spot acid and frac Abo Monday. TIH with 2-3/8' tubing openended set at 2966'. DC \$8050; CC \$163,420.
1-6-04	Rigged up BJ. Spotted 1500 gals 7-1/2% IC HCL and TOH, Nippled up frac valve. Rigged up casing saver. Frac'd Abo with 112,000 gals 52 Quality CO2 foamed 35# x-

linked gelled 7% KCL water carrying 285,000# 16/30

TLTR 1344 bbls, Total CO2 197 tons.

GAS

C02

CO2

CO2

C02

C02

C02

CO2

C02

CO2

CO2

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Avg rate 70 BPM @ 2300 psi.

an a data "Tanta" and "A a " Redding R. P. Santa, A. S. " Adding S. S. Santa, S. Santa, "S. "

1-7-04

Brady.

790#.

hours. TIME

4 PM

6 PM

7 PM

8 PM

9 PM

10 PM

11 PM

12 AM

1 AM

2 AM

3 AM

4 AM

6 AM

TIME

7 AM

8 AM

9 AM

10 AM

11 AM

Noon

1 PM

2 PM

3 PM

4 PM

8 PM

9 PM

10 PM

11 PM

12 AM

PM 6

5 PM

7 PM

5 MA

5 PM PSI/CHOKE

580#

600#

640#

600#

590#

590#

580#

550#

500#

520# -

550# - 1/8"

-

-

-

-

480# - 3/8" 470# - 3/8"

450# - 3/8"

440# - 3/8"

DC \$105,510; CC \$268,930 Continued to flow back frac.

PSI/CHOKE

450# -

520# -520# -

510#

510#

420# - 3/8"

400# - 3/8"

450# - 3/8"

490# ~ 3/8"

490% - 3/8" 500% - 3/8" 530% - 3/8" 540% - 3/8" 530% - 3/8" 520% - 3/8" 520% - 3/8" 520% - 3/8"

500# - 3/8" 500# - 3/8" 500# - 3/8"

1/8"

1/8"

- 1/8"

- 1/4"

 $-\frac{1}{4"}$ $-\frac{1}{4"}$ $-\frac{3}{8"}$

3/8"

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- 3/8" - 3/8"

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ISDP 910#, 15 mins

Shut in 3

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	1 AM 540 # - 3/8 " unld CO2
	2 AM 540# - 3/8" unld CO2 3 AM 560# - 3/8" unld CO2
	4 AM 640 # - 3/8 " unld CO2
	5 AM 680# - 3/8" unld CO2
	DC \$3610; CC \$272,540
L-8-04	Continued to flow back frac.
	TIME PSI/CHOKE WATER MCF 7 AM 680# - 3/8" unld CO2
	8 AM 650 # - 3/8 " unld CO2
	9 AM 630# - 3/8" unld CO2
	10 AM $610\# - 3/8^{h}$ unld CO2
	11 AM 550# - 3/8" unld CO2 Noon 520# - 3/8" unld CO2
	1 PM 500 # - 3/8" unld CO2
	2 PM 450 # - 3/8 " unld CO2
	3 PM 450# - 3/8" unld CO2
	4 PM $450\# - 3/8"$ hvy mist sl gas
	5 PM 420# - 3/8" hvy mist sl gas 6 PM 420# - 3/8" hvy mist sl gas
	7 PM $420\# - 3/8$ " hvy mist sl gas
	8 PM 400# - 3/8" hvy mist sl gas
	9 PM 400# - 3/8" hvy mist sl gas
	10 PM 400# - 3/8" hvy mist sl gas
	11 PM 400# - 3/8" hvy mist sl gas 12 AM 400# - 3/8" sl mist good, burning
	12 AM + 300 # - 3/8 # sl mist good
	2 AM 380# - 3/8" sl mist good
	3 AM 380# - 3/8" s1 mist good
	4 AM 380# - 3/8" sl mist good 5 AM 380# - 3/8" sl mist good
	5 AM 380# - 3/8" sl mist good 6 AM 380# - 3/8" sl mist 1336 MCF
	DC \$3610; CC \$276,150
1-9-04	Continued to flow back frac. Shut well in. Prep to
	rig up coil tubing and drill out composite plug.
	TIME PSI/CHOKE WATER GAS 7 AM 380# - 3/8" sl mist CO2
	8 AM 380# - 3/8" sl mist CO2
	9 AM 380# - 3/8" s1 mist CO2
	10 AM 380# ~ 3/8" s1 mist CO2
	11 AM 380# - 3/8" sl mist CO2 Noon 380# - 3/8" sl mist CO2
	1 PM $380# - 3/8"$ si mist CO2
	2 PM 380# - 3/8" sl mist 1336 MCF
	DC \$3035; CC \$279,185
1-10-04	Waiting on BJ coiltech. BJ broke down on location.
L-11-04	Unit will be ready by morning. DC \$2035; CC \$281,220. BJ still working on coiltech. Fixed unit. BJ did not
	order fluid pump. Ran BJ off. Waiting on cudd. CC
	\$281,220.
L-12 - 04	Rigged up Cudd 1-3/4" coil tubing. TIH with Baker 3-
	3/4" bit and motor. Tagged completion plug at 3450'.
	Pumped 1-1/2" BPM and 500 sCF N2. Drilled out plug in 32 mins. Pushed plug to bottom at 3610'. Circulated
	clean. TOOH with coil tubing. Rigged down Cudd.
	Flowed well clean. Shut in. Prep to set packer WL.
	Swab report as follows:
-	TIME PSI/CHK WTR MCF REMARKS 2 PM 660#- 3/8" Mist N2
	3 PM 460#- 3/8" AIBL N2 3 PM 460#- 3/8" Slt mist Good 1608 MCF
	DC \$31,735; CC \$312,955.
-13-04	SICP 650 psi. Rigged up wireline. TIH with wireline
	set packer, set at 2730'. TOH. Rigged down wireline.
	Bled casing down. TIH with on/off tool. Latched onto packer. Nippled down BOP. Nippled up wellhead.
	Loaded casing and test packer. Rigged up slickline.
	TIH and pull blanking plug. TOH. Rigged down

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Page 11: Yates Petroleum - MEC Com #2 (Unit L) 6-78-23E Chaves Co., NM **** ***** slickline. Flowed well clean. Rigged down pulling unit. Turned well over to production. TIME PSI/CHOKE WATER GAS 580# - 3/8" 2 PM good 460# - 3/8" 3 PM mist good 460# - 3/8" 4 PM dry 1608 MCF DC \$5035; CC \$317,990 1-13-04 Back on. TP 380# on 18/64" - 0 bbls oil, 0 bbls water and 745 1-14-04 MCF. 1-15-04 TP 230# on 24/64" - 0 bbls oil, 3 bbls water and 898 MCF. 1-16-04 TP 120# on 24/64" - 0 bbls oil, 4 bbls water and 898 MCF. 1-17-04 TP 120# on 24/64" - 0 bbls oil, 2 bbls water and 781 MCF. TP 120# on 24/64" - 0 bbls oil, 2 bbls water and 771 1-18-04 MCF. TP 205# on 24/64" - 0 bbls oil, 2 bbls water and 761 1-19-04 MCF. TP 195# on 24/64" - 0 bbls oil, 3 bbls water and 707 1-20-04 MCF . TP 190# on 24/64" - 0 bbls oil, 3 bbls water and 701 1-21-04 MCF 1-22-04 TP 180# on 24/64" - 0 bbls oil, 4 bbls water and 670 MCF. 1-24-04 TP 175# on 24/64" - 0 bbls oil, 24 bbls water and 552 MCF. TP 180# on 24/64" - 0 bbls oil, 18 bbls water and 581 1 - 25 - 04MCF. 1-26-04 TP 150# on 24/64" - 0 bbls oil, 12 bbls water and 616 MCF. 1-27-04 TP 160# on 24/64" - 0 bbls oil, 12 bbls water and 611 MCF 1-27-04 TP 160# on 24/64" - 0 bbls oil, 12 bbls water and 611 MCF. 1-28-04 TP 160# on 24/64" - 0 bbls oil, 9 bbls water and 596 MCF . 1-29-04 TP 160# on 24/64" - 0 bbls oil, 9 bbls water and 598 MCF. 1-30-04 TP 150# on 24/64" - 0 bbls oil, 5 bbls water and 597 MCF. TP 150# on 24/64" - 0 bbls oil, 4 bbls water and 571 1-31-04 MCF TP 150# on 24/64" - 0 bbls oil, 5 bbls water and 564 2-1-04 MCF. 2-2-04 TP 150# on 24/64" - 0 bbls oil, 5 bbls water and 564 MCF. 2-3-04 TP 150# on 24/64" - 0 bbls oil, 4 bbls water and 548 MCF. 2 - 4 - 04TP 140# on 24/64" - 0 bbls oil, 4 bbls water and 541 MCF. 2-5-04 TP 140# on 24/64" - 0 bbls oi1, 3 bbls water and 541 MCF. TP 130# on 24/64" - 0 bbls oil, 2 bbls water and 521 2-6-04 MCF TP 140# on 24/64" - 0 bbls oil, 2 bbls water and 515 2-7-04 MCF. TP 135# on 24/64" - 0 bbls oil, 2 bbls water and 509 2-8-0 MCF. 2-9-04 TP 135# on 24/64" - 0 bbls oil, 3 bbls water and 509 MCF. 2-10-04 TP 135# on 24/64" - 0 bbls oil, 3 bbls water and 502 MCF.

FEB-16-2004 MON 10:25 AM YATES ENGINEERING

