MARTIN YATES, 11 1912 - 1985 FRANK W. YATES 1936 - 1986

۲



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

ARTESIA, NEW MEXICO 882 10

TELEPHONE (505) 748-1471

January 14, 1992

New Mexico Energy and Minerals Department Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

Attention: Mr. David Catanach

Dear Mr. Catanach,

Enclosed are the necessary documents for obtaining approval for the downhole commingling of the Parish IV Com #2 located in Unit letter F of Sec. 26-T19S-R24E of Eddy County.

Should you have any questions, please feel free to contact me at (505)748-1471. Thank you.

Sincerely,

Chuck Morgan

Chuck Morgan Petroleum Engineer

Enclosures

CM/sj

Application for Downhole Commingling Parish IV Com #2 [Com # NM-82106] 1980' FNL & 1980' FWL Unit F Sec. 26-T19S-R24E Eddy County, NM

Reason for Application: Yates Petroleum Corporation requests approval to commingle the Morrow from 8900-8908' and 8921-8928' with the Atoka (8585-8588' and 8631-8646'). Production from the Morrow was tested and found to be marginal. Commingling with the Atoka will prevent the early abandonment (and resulting mineral resource waste) of the Morrow.

- 1. Name and Address of the Operator: Yates Petroleum Corporation 105 S. Fourth Street Artesia, NM 88210 Attention: Chuck Morgan
- 2. Lease Data:

· •

્યું

Parish IV Com #2 1980' FNL & 1980' FWL Unit F Sec. 26-T19S-R24E Eddy County, NM Pools: Hoag Tank Morrow Undes. Atoka

- 3. Acreage dedication plat and lease map including offset operators. All offset leases adjoining the dedicated acreage are owned by Yates Petroleum Corporation. See Attachment A-I and A-II.
- 4. Productivity Test:
 - A. Morrow was flow tested after it was frac'd. for four days and then shut-in (1990). Flow test 1/7/92 showed well flowing with 75# on a 32/64 choke (435 Mcf). Last swab run recovered 1 BBL scattered fluid (KCL).
 - B. Atoka flow test 1/11/92 125 psi on 32/64 choke (782 Mcf) with scattered treating fluid.

5. Production History:

A. Morrow Data:

See attached pressure build-up plot and completion summary for the Morrow. EUR for the Morrow are estimated at 170,000 Mcf (derived empirically from field study on 55 deep gas wells in the area comparing initial test rates with EUR). See attached graph.

B. Atoka Data:

See attached BHP data. Atoka perfs: 8585-8588' and 8631-8646' EUR for the Atoka are estimated at 280,000 Mcf (derived same as Morrow above). See attached graph.

6. Bottom Hole Pressure Data:

See attached SITP build-up test for the Morrow when it was completed. BHP on the Morrow = 3078 psi (calc) BHP on the Atoka = 3320 psi. (Attached BHP data sheet)

7. Fluid Characteristics and Compatibility:

Both Morrow and Atoka will produce sweet gas. Don't anticipate any compatibility problems.

8. Value Data:

Both Morrow and Atoka will produce sweet gas. The value of the gas will not be affected by commingling.

Parish IV Com #2

Application to Commingle

-2-

• •

•

- 9. Allocation Formula:
 - 1. Volumetric analysis of the zones yielded the following ratios of total EUR reserves to EUR reserves of each zone as follows:
 - Morrow % EUR = 34.68% Atoka % EUR = 65.32%
 - 2. Ratios of initial flow test yielded the following flow ratios: Morrow: $\frac{435}{435+782} = 35.74\%$

Atoka: $\frac{782}{435+782}$ = 64.25%

- 3. Empirical EUR Ratios: Morrow EUR 170,000
 - Atoka EUR <u>280,000</u> Total EUR 450,000 Ratios: Morrow - 170,000/450,000 = 37.78% Atoka - 280,000/450,000 = 62.22%
- It is proposed to allocate future commingled reserves using an average of the above calculated ratios.: Undes. Atoka 64% Hoag Tank Morrow 36%
- 10. Notification Statement:

No offset operators to notify. Application to commingle sent to BLM for like approval as 40 acres in 320 acre comm. are federal.

N. MEXICO OIL CONSERVATION COMMISE I WELL LOCATION AND ACREAGE DEDICATION PLAT

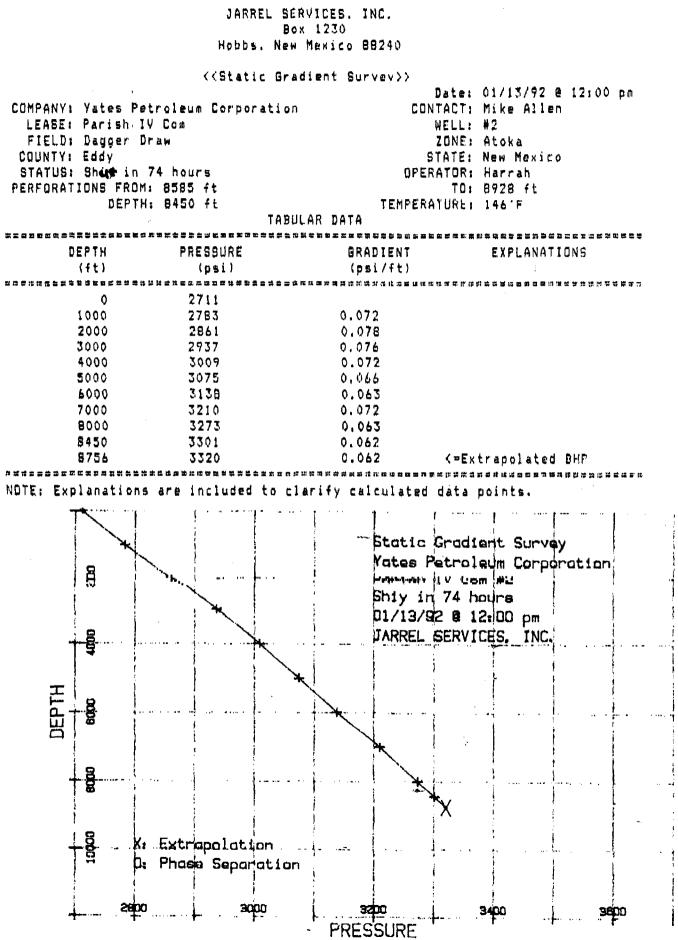
, ·

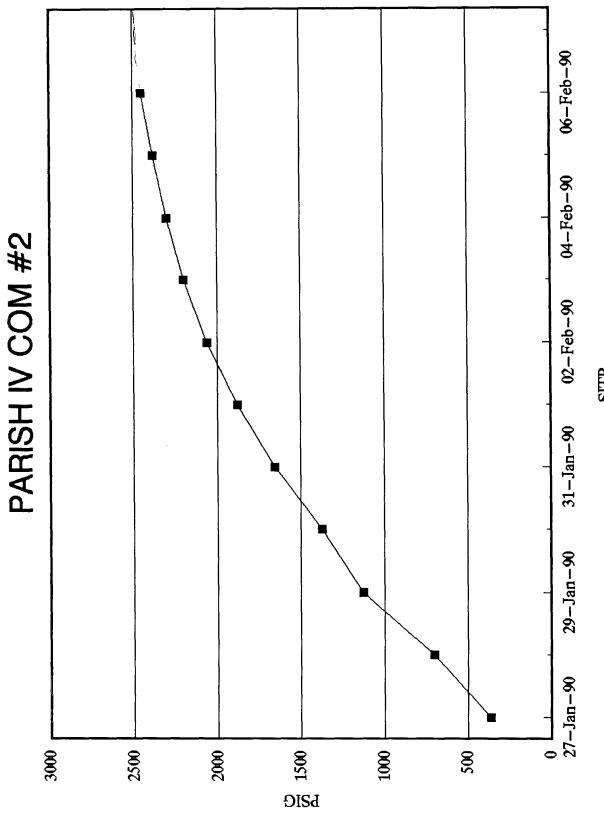
Form C-102 Supersedes C-128 Ellective 1-1-65

A-I

All distances must be from the outer boundaries of the Section.									
Operator		Lease		·	Well No.				
YATES PETROI	EUM CORPORATION		Parish IV Co	m	2				
Unit Letter Secti	on Township	R	ange C	County					
F	26 1	.9 South	24 East	Edd	ly County, N.M.				
Actual Footage Location o	of Wells								
1980 (eet	from the North	line and	1980 feet f	rom the Wes					
Ground Level Elev.	Producing Formation	Pool		<u> </u>	Dedicated Acreage:				
3640.	Morrow	0.5	1. Houg Tank	Morrow	J 3 20 Acres				
· · · ·									
1. Outline the act	eage dedicated to the	subject well by	colored pencil or l	nachure marks	on the plat below.				
2 If more than o	ne lease is dedicated	to the well, out	ine each and ident	ifv the owners	hip thereof (both as to working				
interest and roy									
interest and roj	arty /.								
3. If more than on	e lease of different ow	mershin is dedica	ited to the well, ha	ive the interes	ts of all owners been consoli-				
	initization, unitization.	•							
Live by comme			•						
🔀 Yes 🗔	No If answer is **	yes," type of cons	olidation <u>Co</u>	mmunit	ized				
·									
If answer is "r	o," list the owners and	d tract description	ns which have actu	ally been con	solidated. (Use reverse side of				
this form if nec		· · · · · · · · · · · · · · · · · · ·							
No allowable w	ill be assigned to the w	ell'until all inter	ests have been co	nsolidated (bv	communitization, unitization,				
	-			•	been approved by the Commis-				
sion.			,						
				THE REPORT OF A					
ę			1		CERTIFICATION				
			1	1 1 1	ereby certify that the information con-				
				1 11	ned herein is true and complete to the				
			1		st of my knowledge And belief.				
			1		\mathcal{A}				
	180			fer	Deuremper				
				Name					
					EN BEARDEMPHL				
				Posit	•				
m					LANDMAN				
				Comp	any $0+$ (
1980'					ates let. (srp.				
	1	NM-5802		Date	1) 17.00				
	FEE	NIL-2000		┉┻╢┝┈┈	8-23.89				
	a an		meness strangers and an entry of the second		NR. REDOKE wall location				
			l i		A M M. MEDOL				
	1		t	· · /	hernoy Equily Estigi the wall location				
			I	he the	own on this plat were platted from field				
			1	194	es of sciupt surveys made by me or				
	I (1	1	my upervision and that he same				
			•		But and conset to the bost of my				
			1	kn	Sun and correct to the Jost of my whedge ond belief.				
	+				PROFESSIONAL				
	ł		l						
			t	Date	Surveyed				
	1		ł	Auc	gust 21, 1989				
	1		1		stered Professional Engineer				
			1	and/c	or Land Surveyor				
	1		1	$ \land$	A ANA				
L		-		New	K. Kroch				
				Certul	licate No.				
330 660 '90 1320 1650 1980 2310 2640 2000 1500 1000 500 0 NM PE&LS NO. 5412									

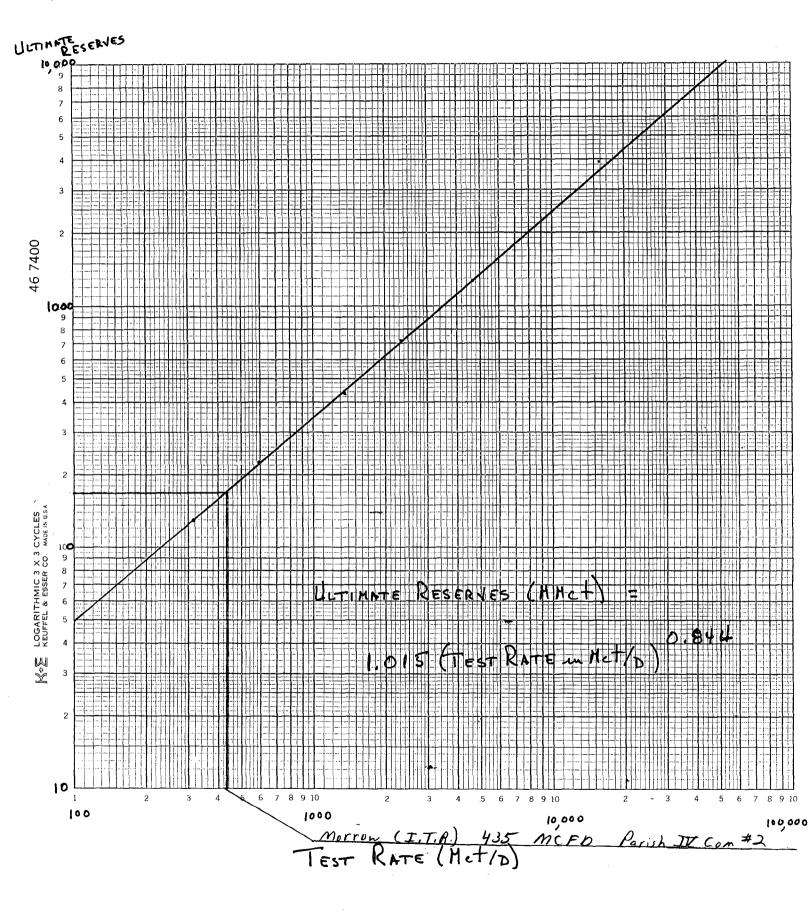
	. 2 *				An a			2 R	A	- <u>II</u>	1720	e Rett		st ero	×	t,etal
12		Alling Chem.			1940 pt 31	and L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Take 3	ALS 1 So. Roy. Stortes 1-15 WIZ-HOC Notrow Disc. 2.7481 20.19 I Votes 6-1-78 6-1-78 8027	State	61 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12315 12315 Soge Ener, "Sun Antelope Sink ct 112315		15.25		
Myco Ind.,etal 8 9 · 1 · 90 99635	1		7140.28				an State				283 1		Er Gizzo Scank	100-00-15-85 100-00-15-85 101-10-12-85	16 679) 509 Ф 148С — —	16 917 1VO
Хить 1 / fates) 1225 — нар 225 — 1381	"Mimosa" u.s.	0 5 Homilton Fu	T 05.1-15 06.1-15 10.1-15 10.1-15 10.15 10	"Agave" State	32	Yates Pet, etal	Antes Fed Amoco Fed	62 (58) (1941 1541 1541 1541 1541 1541 1541 1541	State U.S.		Excel	(-5'9' (Eilis 4-4) Haulick, M.I. Bert Ancell	. 1	Exxen 1 100-91 1 100-92 1 100-92	8- 12 8-917	263 VI 10 1 85
Yates Ret. Chevron 2.1.91 HBP 39121	3.184 0. 	0	T 2595E T T 305 1 50 Mater Marken 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**************************************	. 33	المالية المالي مالية المالية ال المالية المالية	Krankova vskol vskol <i>Frank Runya</i> <i>UŚ</i>	(Suit) (Suit	"Emmo" Prop. U.S. EmmaAllison	2 Yates Pet,etal HBC S/2	A-1-11 Yates Pet. Jun July Hep Pet. Jun July Hep Pet. Jun Store Anness Fed. Store All Bases Fed.	1400 1 - 1 Amoon 1400 1 - 1 Amoon 12 Sulf - 1 Amoon 12 Sulf - 1 Amoon 12 Sulf - 1 Amoon 12 Sulf - 1 Amoon 13 Sulf - 1 Amoon 13 Sulf - 1 Amoon 13 Sulf - 1 Amoon 14 Sulf - 1 Amoon 15 Sulf - 1 Amoon 16 Sulf - 1 Amoon 17 Sulf - 1 Amoon 17 Sulf - 1 Amoon 18 Sulf - 1 Amo	16-734 10:05 PC 16-734 10:05 PC 16-734 10:05 1		Mcc	V-1945 4-1-45
Santa & Grand Transformer Strategy	HSP U.S. 104210C (SH4, HSP U.S. 10424	N ISU III SING ANGENING SE	Muney Colf. 311-33 Sel-4 Lo Rus Colf. 31-33 Sel-4 Oper Ry Colf. 31-33 Sel-4 Oper Ry Colf. 31-33 Sel-4 Oper Ry Colf. 31-33 Sel-4	u.S. Centure Plant	34 . Comili	Yutes Pet. 12246	7K 	Yates Sonoco 122.46 N7HBC Yofes For Toffes 0-1-76 N7HBC Yofes 0-1-76 *235Will 5-16.25 60 print 61 print 61 print 61 print 727 1410	"Emma" (DA 2:13-70) (+ca Prop.Johnson Merr. Bise EmmaAllison U.S. 94	Yotes Peterial 22 Xotes Peteria	HBC W2	Allisan. Fred Allisan. Fred Amneus), 3-ca (rintes. Fred)	Allison-Fed			
	Torres, Vare Versia, Licinora Besser, Vare Versia, Licinora Besser, Vare Versia, Besser, Vare Versia,			2 . Y	Yores Performance Performance <th< th=""><th>etal 7 Yotes Pe</th><th></th><th></th><th>9-28-78 HBC Ed Fai</th><th></th><th>et HBc</th><th>AIL</th><th>1 Yorse Petr Michael I Anji 1 Yorse Petr Michael I Anji 1 Anji Anji Anji Anji Anji Anji Anji 2 Anji Anji Anji Anji Anji Anji Anji Anji</th><th>"Davis" Virginia Kershne Flore H. Dav R. Edess artes stal S 84</th><th>en the state of th</th><th>.s. Davoil 35</th></th<>	etal 7 Yotes Pe			9-28-78 HBC Ed Fai		et HBc	AIL	1 Yorse Petr Michael I Anji 1 Yorse Petr Michael I Anji 1 Anji Anji Anji Anji Anji Anji Anji 2 Anji Anji Anji Anji Anji Anji Anji Anji	"Davis" Virginia Kershne Flore H. Dav R. Edess artes stal S 84	en the state of th	.s. Davoil 35
- The Yates	Annual Arabitation Provide Annual Annual Arabitation	S. C. Jones Port, S. Coverson, Man. S. C. Coverson, Man. S. Guers S. Gates Port, 10, 14, 1910 S. Gates Port, 10, 1910	Votion Devertified State	Consco atolication of the state		Petra Changesi Petra Bata Changesi Petra Bata Grand Anka Bata Germans Anka Disc. Julier Potes Vag ran Bata 20.76 Vag ran Bata		THE PART STATE	Vales (9.1,75) 9-78 78 9-64 Parish V. U.S. Fed."	Actengia (u.	Hill Sector	e Millmen, Est.	48.	SAVerodistings		W/2 3 rish HAIs-Fed. 5
S M.B. Gorran (M. Steeler) fersonener S M.B. Gorran (M. Steeler) S M.B. Gorran (M. Steeler) S M. J. J. Trans Poc Di. J. T. Trans Poc Buchanan (M. Steeler) S Di. J. Steeler Di. J. Steeler S Di. Steeler S	And An Andrew Andrews (1997)	Sup Min 2007 201271 Ser Lang Sup 19 201271 Ser Lang Superson Den Hanger Moore Nocive11 Moore 1990 Mobil 6 0316 20121 HBP 00316 1 6101	Monsonto HL.Gun 0553777 Bunono & U.S. MAS95-75	7.65 4 Monsante Vater 1.45 4 Monsante Vater Spater 9 13.8448 (19.1) 02 Spater 13.84411. (19.1) 02 Fed. 15.84411. (19.1)			Lannand and a second and a seco		Warvest Tores 5.117	Sin a set of the set o	Activity of Conserved	Der 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (Mershell & Winsten, 14, 2, 40 Mershell & Winsten, 118 9 R.E. Glass		Avincente Sauge 1.2. Glass, Surce
1045-541 (1410 b):1) POELABO-NGO (1410) 1065-5431 (2011) [Costers] (12.5) 1065-5431 (2011) [Costers] (12.5) 1061-1051 [Costers] (12.5) 1061-1051 [Costers] (12.5) 1061-1051 [Costers] (12.5) 1061-1051 [Costers] (12.5) 1061-1061 [Costers] (ENoli,	A. A. B. (evert Avant) A. A. B. (evert Avant) A. A. B. (evert Avant) C. (C. A. A. B. (C. A. A. B. (C. A. A. B. A. A. A. B. A.			100 100 100 100	Monsanto (concu 6-1-74 Texaco (5-1-4) 0353777 HBC HBP 18742 Conce 13778 HBP 18742 Conce 13778 HBP 18742 Conce 13778 HBP 18742 Conce 14742 Conce 14742	Vates (C	4 2 85 L Jone L	Ver Mex Corop Roy, etal	Response Environment Str. Disc. Str. Str. Str. Str. Disc. Str. Str. Str. U.S. USA		Conoco Interne Corserve-F	A Contraction of the second se		Yot Sem	Yotes & Hondo



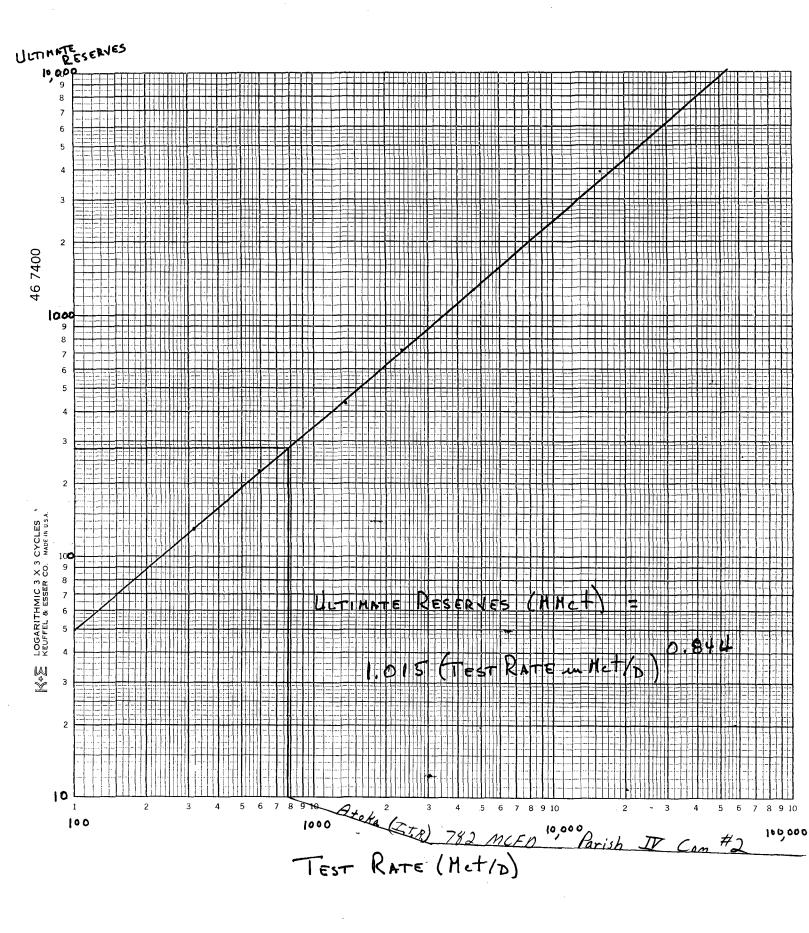


• '

Yates Petroleum Corporation Empirical Relationship for Deep Gas Wells (Initial Test Results vs. EUR)



Yates Petroleum Corporation Empirical Relationship for Deep Gas Wells (Initial Test Results vs. EUR)



DRILLING REPORT

Ż

	•
	tool. Ran tubing to 9095'. Circulate tubing capacity.
	Shut in. Prep to trip for scraper run. DC \$3000
1-16-90	POH with tubing and drill collars. Laid down drill
1-10 00	collars. TIH with 7" scraper. Tagged TD. Circulate
	hole with 2% KCL. POH. Shut in. Prep to log and
	perforate. DC \$1400
1-17-90	Rig up Schlumberger. Ran GR/CCL/CNL from PBTD 9094' to
	5400'. Perforated Morrow zone 8921-28' with 7 holes as
	follows: 8921', 23',24', 25', 26', 27' and 8928'. RIH
	with 7" Uni-VI packer with 2.25 XL on/off tool and
	knock out plug in packer. Set packer at 8995'. Flanged
	well up. Dropped bar, knock out plug. Small blow on
	tubing. Made swab run after 1 hour, no fluid. Waited
	another hour made swab run, no fluid. Shut in. Prep
	to acidize. DC \$12,000
1-18-90	Overnight SITP too small to measure. Tubing dry. Load
1 10 90	tubing. Unset packer and move down across perforations.
	Spot 500 gals 7-1/2% Morrow acid. Pull up. Reset
	packer at 8800'. Break perforations with 2200#. Acidize
	Morrow perforations 8921-28. Avg rate 3 BPM @ 2000#.
	ISIP 1500#, 5 min 1200#, 10 min 1050#, 15 min 910#.
	Swabbed well dry. Make hourly swab runs. At 3:00 had
	4' continuous flare, pulling 300' fluid per run.
	Shut in at 5:00 PM. This AM overnight SITP 400#. Bled
	off, continuous 6' flare (TSTM).
1-19-90	Overnight SITP 400#. Fluid level 7700'. Swabbed dry
	in 2 runs. Load tubing. Released packer and POH. RIH
	with RBP, correlate into position. Set at 8913'., Test
	RBP to 2500#. POH. Shut in. Prep to perforate Upper
	Morrow zone. DC \$2500
1-20-90	WIH and perforated Morrow 8900-08' with 9 holes as follows:
	8900', 01', 02', 03', 04', 05', 06', 07' and 08'. RIH with
	7" Uni-VI and 2.25 on/off tool. Set packer at 8800'.
	at 8800'. Flange well up. Rig up swab. Swabbed dry with
	8 runs. Made hourly run from 3:00 to 5:00. Had flare
	while pulling swab. DC \$1900
1 21 22 00	
1-21-22-90	Overnight SITP 15#. Fluid level 8400'. Swabbed dry in 1
	run. Acidized with 500 gals 7-1/2% Morrow Flo acid.
	Formation broke at 2150#. Avg rate 2.3 BPM @ 1800#.
	ISDP 1530#, 5 min 1240#, 10 min 1110#, 15 min 1000#.
	Load to recover 72 bbls. Swabbed dry in 12 runs, 6' flare
	when pulling swab. Shut in. DC \$2300
1-23-90	Overnight SITP 650#. Initial fluid level 6200'. Swabbed
	dry in 2 runs (small flare). Load tubing. Released
	packer and POH. RIH with retreiving tool. Unset bridge
	plug and start out of hole. Shut down. Prep to finish
	pulling bridge plug, run packer back and swab both
	Morrow zones together.
1-24-90	POH with remainder of tubing and RBP. RIH with 7" Uni
	VI packer and 2.25 XL on/off tool. Set packer at 8800'.
	Started swabbing. Initial fluid level 600'. Swabbed dry
	in 9 runs. Made hourly runs from 3:00-5:00. Last run
	recovered 200' fluid. DC \$1700
1-25-90	Overnight STEP 100 $\#$ Eluid level 74001 \oplus \oplus 1111 \oplus 1
- 20 - 20	Overnight SITP 100#. Fluid level 7400'. Swabbed dry in
	2 runs. Made hourly runs. Recovered 14 bbls in 9 hourly
1-26-00	runs. Last run 200' fluid in hole. Shut in. DC \$1500
1-26-90	SITP 200#. Fluid level 7600'. Made 3 swab runs, dry.
1 07 00	Recovered 8 bbls. Shut in. Rigged down pulling unit.
1-27-90	SITP 365#.
1-28-90	SITP 700#.
1-29-90	SITP 1125#.
1-30-90	SITP 1375#.
1-31-90	SITP 1650#.
2-1-90	SITP 1880#.

DRILLING REPORT

1

					-					
Yates Petro. *********	leum - Parisk *************	n "IV" Com ********	#2 (Unit F) 26- ***************	-19S-24E E	Eddy Co., NM ****************					
2-2-90	SITP 2060#.									
2-3-90	SITP 2200#.									
2-4-90	SITP 2300#.									
2-5-90	SITP 2380#.									
2-6-90		SITP 2450#. Bled off in 23 minutes. Rigged up swabbing								
2 0 2 0 1		unit. Fluid scattered 7500'. Swabbed 4 runs, dry.								
	Recovered 2-1/2 bbls water. Made hourly runs, dry. Shut									
	in at 4:30.				,					
2-7-90		•	Bled off in 15	mine T	nitial					
2-7-90			scattered. Re-							
			n. Burning 3-4							
	Shut in. R	iggod down	$\frac{11}{DC} = \frac{1}{2}$	TUZY TI	are.					
2-8-90	Shut in.	ryyeu uown	. DC \$200							
2-9-90	Shut in.									
2-10-12-90										
2-13-90	Shut in.									
2-14-90		ci Blew	down in 20 minu	tes. Flo	wed for					
2 14 90	20 hours	Stabilized	at 29 psi on 1	/8" choke	= 15 MCFD.					
	Left open o	n 1/8" cho	ke.	,						
2-15-90	Prep to fra									
2-16-90	Shut in.	•••								
2-17-19-90										
2-20-90		nk and fil	.1 with 2% KCL w	ater. Ri	aged up					
	pulling uni				55 2					
2-21-90			forations 8900-	08' and 8	921-28'					
			as follows:							
	GALS GEL		SAND	RATE	PRESSURE					
	2500			7	3800					
	Drop 6 ball	S			b .					
	1000	500	acid	8	5270					
	2000	1000	pad		5290					
	7000	3500	1/2-1-1/2	14.1	5650					
			10000#							
	Block		250# rock salt	. 14	5580					
	2000	1000	pad	14	5590					
	7000	3500	1/2-1-1/2	14	5570					
			10000#							
	1575	775	flush	14	5570					
			50#, 10 min 2520							
			obls. Shut in 3		s. Flow					
			e choke as follo							
	TIME	PRESSURE	BBLS RECOV	VERED	CHOKE					
	3:30 PM	400	119		1/2"					
	5:30 PM	220	56		1/2"					
	7:30 PM	80	19		1/2"					
	9:30 PM	70	12		1/2"					
	11:30 PM	60	8		1/2"					
	1:30 AM	40	5		1/2"					
	3:30 AM	20-30	5		1/2"					
			. Fluid level 2							
			Swabbed 10 bbls							
			Make mop up run.							
			ntinue swabbing.		ecover					
			t to recover 296							
2-22-90			positive choke u							
			22 MCF) with tri							
			s not burn clear							
	to 8000' at	2:00 PM a	and recovered 3	bbls. Ma	de run at					
	3:00 PM and	recovered	1 1 bbl. Made r	un at 5:0	0 PM, dry.					
2 22 00	Placed on 1	/4" posit:	ive choke for ni	ght.						
2-23-90	At /:00 AM	nad 35# 01	n 1/4" choke - 7	UMCF. M	lade swab					
	run to 8000	and reco	overed 3 bbls so	attered f	Luid. Placed					
	MCF CIC	ran + c 000	00 AM. Had 70# 00' and recovere	UN 1/4" C	поке - 122					
	Dwab		o and recovere	a 2 DDIS	scattered					

DRILLING REPORT

fluid. At 5:00 PM well had 60 psi on 1/4" choke - 107 MCF. Made swab run and recovered 2 bbls. Placed on 1/4" positive choke for night. At 7:00 AM 2-23-90, well flowing 65 psi on 1/4" choke - 115 MCF. Water is still frac load. Load left to recover 285 bbls. FTP 65# on 1/4" - 115 MCF. Made swab run. Recovered

FTP 65# on 1/4" - 115 MCF. Made swab run. Recovered 2 bbls scattered fluid. At 1:00 PM FTP 60# on 1/4" -107 MCF. Made swab run and recovered 2 bbls scattered fluid. At 5:00 PM had 55# on 1/4". Made swab run and recovered 1 bbl scattered fluid. Shut in. Prep to

2-24-90

هر بر ۱۹۳۹ و واله ۲۹ و واله

Page 6

DISTRICT I P.O.Box 1980, Hobbs, NM 88241-1980 DISTRICT II CONSER DIVISION P.O. Drawer DD, Antesian NM 88211-0719 DISTRICT III 1000 Rio Brazos Rd, Azzec, NM 1874108 26	OIL CO Santa	NSERVATI P.O. Box 2 Fe, New Mexic	Resources Depar ON DIVISIO	N MAR - S O. C.) 1992 D.	+ Form C-107 Revised 4-1-91 Filing Instructions Bottom of Page
Yates Petroleum Corpor	ation	105 S. rt	h Str. Art	esia, NM	8821	0
Operator		Address				
Parish IV Com	2	N	26 - 195-24	+E	Eddy	
Lease	Well No.	Unit Ltr	Sec - Twp - Rg	e	County	

All aj	pplicants for multiple comple	ction must complete Items 1 and	2 below.		
1. The following facts are submitted:		Upper Zone	Intermediate Zone	Lower Zone	
a	Name of Pool and Formation	Canyon		Atoka/Morrow	
b	 Top and Bottom of Pay Section (Perforations) 	7629-7673 '		8585-88' 8631-46' 8900-08'; 8921-28'	
c	. Type of production (Oil or Gas)	Oil & Gas		Gas	
d	l. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing	
e	Daily Production Actual Canyon Estimated Morrow Oil Bbls. Atoka Gas MCF Water Bbls.	400 MCF/D 300 BWPD	•	450 MCF/D 64% Atoka 36% Morrow Commingled by Adm. Order DHC-833	

2. The following must be attached:

a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.

b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

c. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-

OPERATOR:	OIL CONSERVATION DIVISION
I hereby centry above information is true and complete to best of my knowledge, and belief.	
Signature Chuck Morgan	Approved by:
Printed Name & Title Chuck Morgan. Engineer	Title:
Date 3/6/92 Telephone (505) 748-1471	Date:

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

FILING INSTRUCTIONS:

1) District Approval -- See rule 112-A-B -- Submit 4 copies of Form C-107 with attachments to appropriate district office.

 Division Director Administrative Approval -- See Rule 112-C -- Submit 2 copies of Form C-107 with attachments to Division office in Santa Fe and 2 copies of Form C-107 with attachments to appropriate district office.

3) Multiple completions not qualifying for District or Division Director approval may be set for hearing as outlined in Rule 112-A-E.

!

N. MEXICO OIL CONSERVATION COMMISE I WELL LOCATION AND ACREAGE DEDICATION PLAT

.

٠

Form C-102 Supersedes C-128 Effective 1-1-65

• • •	All distances must be from the outer boundaries of the Section.										
Opero	Operator Lease Well No.										
	YATES PETR	OLEUM CORPO	ORATION		P;	arish	IV Com	·		2	
Unit I	1	ction	Township	0 Could	Range			unty			
	F	26	<u>_</u>	9 South		24 E	ast		Eady C	ounty, N.M.	
Actua	I Footage Locatio		North		19	80			West		
Orour	d Løvel Elev.	eet from the Producing Fo		line and	 Pool		leet tro	m the	MESE	line Dedicated Acreage;	
Jour	3640.	AA			Und.	IL.	Tank	M.	ucrow	270	
			arrow				· · ·				
1.	1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.										
2.	2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working										
	interest and royalty).										
3.	3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consoli-										
	dated by com	munitization,				•				•	
	🕅 Yes 🗌]No Ife	inswer is "	yes," type o	f consolie	dation .	_Cor	n mul	unitize	.&	
	If answer is	"no," list the	owners and	d tract desc	riptions v	which h	ave actua	ally be	en consolid	ated. (Use reverse side of	
1	this form if n										
										munitization, unitization,	
	forced-poolin	g, or otherwise) or until a	non-standar	d unit, el	iminatii	ng such i	nterest	s, has been	approved by the Commis-	
	sion.					• •					
(Prot					Star Post of Contract	ar na state a s	linerationale have an		1	CERTIFICATION	
ІГ						1				CERTITICATION	
		i			ł	1			1 how here		
		i			ì	1				certify that the information con- erein is true and complete to the	
		i	、		i	1			•	ny knowledge And belief.	
		1	980			1			VQ		
		1	361		1	1 1			fend	cullinger	
		- +	-`[†					- +-	Name	BEAR DEMPHL	
		ł				1			Position	ANDMAN	
	1980'					t 1			Company	let. (srp.	
	1100			NM-5	8025				Date	23.89	
		<u> </u>	<u> </u>			·					
				na beraka sa Tingga Saka Katali Sabary		1	maximal para di ana di si			N R. R E O D Le wall location	
		1				1			1 hereby	settility Ethor the wall location	
		1							howroot	this plat more platted from field	
		l.			I	1			inges of	sciupi surveys made by me or	
						1 1			Vran my	upervision, and that he same	
						1		[in Thur	and concer to propost of my	
		1				1			knowtod	and belief	
		-+				t — -				PROFESSIONAL	
					ļ	1		ļ			
		•			i	1			Date Surve	-	
{ }		ł				1		{		21, 1989 Prolessional Engineer	
		l			1				and/or Lan		
		1				I		{	11	A ANA	
				-		l			Non	K. KIOOM	
	330			1		P			Certificate	No.	
L	330 660 '90	1320 1650 19	80 2310 264	0 2000	1 500	1000	500	o	NM PER	LS NO 5/12	

			5.7	1720	t ztol
1912) / Latri 1917 190 1921-19 1917 190 1922 9.1.90 1917 190 1922 9.1.90 1917 190 1922 9.1.90 1917 190 1922 1925 1947 1917 1917 1925	Augusting Trans. 1 San San San San San San San San San San	33.0 1' Yates 16-1-93 33.6 2' T1936 16-2 10-2 10-2 10-2 10-2 10-2 10-2 10-2 10	ALLB So. Role Sortar So. Role Sortar Niz. Hec Sortar So. Role Sortar Niz. Hec Sortar Sortar	Soge Ener Sizes Can Soge Ener Sizes Can and Strun - 16 for Brown and Strung - 10	11-1-31 16.3-13 10-15-31 10-15-31 10-15-31 10-15-31 10-15-31 10-15-31 10-15-31 10-15-31 10-15-31 10-15-31 10-15-31 10-15-31 10-15-31 10-31 1
Vires (jates) SUS :	المعلومة والمعلومة والمعلومة والمحالية المحلومة والمحلومة و والمحلومة والمحلومة والمحلومة والمحلومة والمحلومة والمحلوم والمحلومة والمحلومة والم	<u>₫</u> • }		HBU HARDES HBU HARDES HBU HARDES HBU HARDES HBU HARDES HBU HARDES Jate HBU HARDES HBU HARDES <t< th=""><th>1265 12765</th></t<>	1265 12765
Vate R.C. Vates Cherron z. 1. 91 HBP 39121	4 398 1.30 2.00 2.00 1.00 1.00 1.00 1.00 1.00 1.0	Abo P 9 - 1 9 - 1 9 - 1 9 - 1	res Pet. 21 - 83		
Santa & Grung	Muney Carr Lo Rud Carr Muser Ru Muser R	Yutes Pet. 12246 12246 *2.5 Mil. *2.5 Mil. *2.5 Mil. *2.5 Mil. *1.15 *1.15 *1.15 *2.5 Mil. *2.5 Mil.	Yolts Yolts Pet 5.1.78 122.46 Conoco NY HBC Valles Yales 1.1.76 27 Ellerini 27 Ellerini 27 Oakason-Fed HNV Qakason-Fed HNV	Vates Pet, Wates	
Verte britting Verte britting Verte Verte britting Verte Verte Verte Verte Verte Verte Verte Verte Verte Verte	And a voice reaction of the second of the se	12:66:45 4-GD 6 4-GD 6 7:00 7:00 7:00 7:00 8:000 8:00 8:00 8:00 8:000 8:00 8:00 8:00 8:00 8:00 8:00 8:			Gred Weslern, Davoil 1399 L. 6197 232 HBP State State I State HBC Convis HBC Convis HBC Convis HBC State HBC Convis HBC HBC Convis HBC HBC HBC HBC HBC HBC HBC HBC
ine Vates (1987) - HBP 12945214 12945214 1 - Rio Pac	Superior, MA Superior, Superior, MA Superior, Superior, MA Superior, Superior,	La de la constantia de			W/2 *** • W/2 *** *** • Uprovise *** *** • Uprovise *** *** • Uprovise *** *** *** Uprovise *** *** *** Uprovise *** *** *** Votre *** *** *** Uprovise *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** <td< th=""></td<>
Martin Anguly, Neverative Steerson	Wansarth US <	Non-and States of the state of	Conger Oran"		1.15 (C-Dennation) (C-C-Dennation) (C-C-Dennat
1040 Birner Hersteiner 1040 Bergel Beitzer Hersteiner Hersteiner Erstern VII.5 Herstein Dult Herstein Dult Hersteiner Her	A Conservation of the second s	Monsamb 6-1-74 035374 8-350 8732 8732 1-6-74 8732 1-6-74 8732 1-6-74 8732 1-6-74 8732 1-6-74 8732 1-6-74 8732 1-6-74 8732 1-6-74 8732 1-6-74 8732 1-6-74 1-6-	A vince for the second	A Ludovstvo (A.G., Hill) Hill unda Hill Un	

Parish IK Com#2 Sec. 26 - 195 - 24E 1980 FNL 2 1980 FWL -26= hole -20 - conductor Rodi - Mix 1 40-- 14 4 holo 95 = 36# J-55 icnt. In 900 sks. Lite 2 200 sks "C" (1" RAix / surface) 1290- 1375 totAl sks. ~ 8 4 = hole -7=23=26# J-55 2 N-80 cmt. Stg. I 1100 sk, "H" circl. 200 sks. - DV Tool 5584 ... Cnt. Stg. II 900 sks. Lito Before 2 100 sks. H. 7629-7673 (88) .42 holes Acidize a 2 = Tbg. -> Uni Et to ele Teel at 8503" 8585-88" acidise in 250 gal, 75 MS. 8631-46 Acidito & 2004 gal. 75 115. 8699 - UNITI TO 1.875 % Tiol To Std. VALUO Sinker bar & snab ling - 100-8780- UNI EI Acidizo to 500 gal. ms 73% = 8900 - 08 Both Zonos Fraced 9921 - 28 Acidize 500 gal MS. 75% PBTD 9095-

Parish IK Com#2 Sec. 26-195-24E 1980 FNL & 1980 FWL To separator a low prossure line 26 hole 11220- conductor Redi-Mix To T.W. 40-E 14 4 holo 95 = 36# J-55 Cnt. In 900 sks. Lite 2 200 sks "C" (1' RMix Surface) 1290- 1375 total sks. < 84 hole 7=23=26-# J-55 2 N-80 After " CMT. Stg. I 1100 sk, "H" circl. 200 sks. = DV Tool 5584 . 23 tbg.__ Coupling 0. P. = 2.910 Cnt. Sty. II 900 sks. Lizo 3 100 Sks. H. - 5.N. 28 tbg. - Priorated Sub 7629 - 7673 (88) .42 holos Acidize m Coupling 0. D= 2.910" 27 100 - Parallel Anchor Unit to alo Tool at 8503 8585-88 acidise In 250 gul. 75 MS. 8631-46 Acidizo la 2000 gal. 75 115. 8699 - UNITI IN 1.875 % Tool IN Std. VALUE -Sinker bar & smab ling = 100-1 8780- UNI VI -08 Acidizo in 500 gal. ms 73% Both Zonos Fraced 8900 -08 9921 - 28 Acidize 500 gal MS 75 % PBTD 9095-

•

