

YATES DRILLING CO.

DOYAL #3

PARTIAL PRESSURE MAINTENANCE PROJECT

Sec. 27 - T12S - R31E

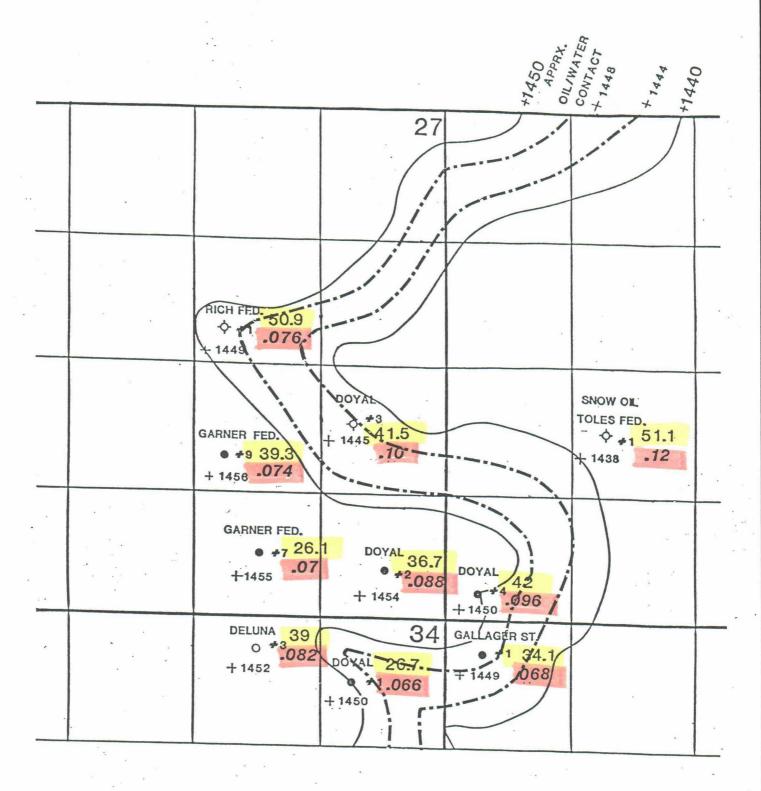
Chaves Co., New Mexico
Contoured on Top of Queen

C.I.= 10'

Scale: 1" = 1000'

BEFORE EXAMINER QUINTANA
OIL CONSERVATION DIVISION
YATES EXHIBIT NO. 9
CASE NO. 8502

YATES DRILLING COMPANY
DOYAL NO. 3
Partial Pressure Maintenance Project
1980' FSL & 990' FEL Sec. 27-12S-31E
Chaves County, New Mexico
Exhibit No. 9-Revised



39 ····· Water Saturation Calculated From Ø & Resistivity Logs

$$Sw = \sqrt{\frac{Rw}{\varnothing^2}} \cdot Rt$$

.082 Bulk Volume Of Free Water (Effective Ø·Sw)

YATES DRILLING CO.

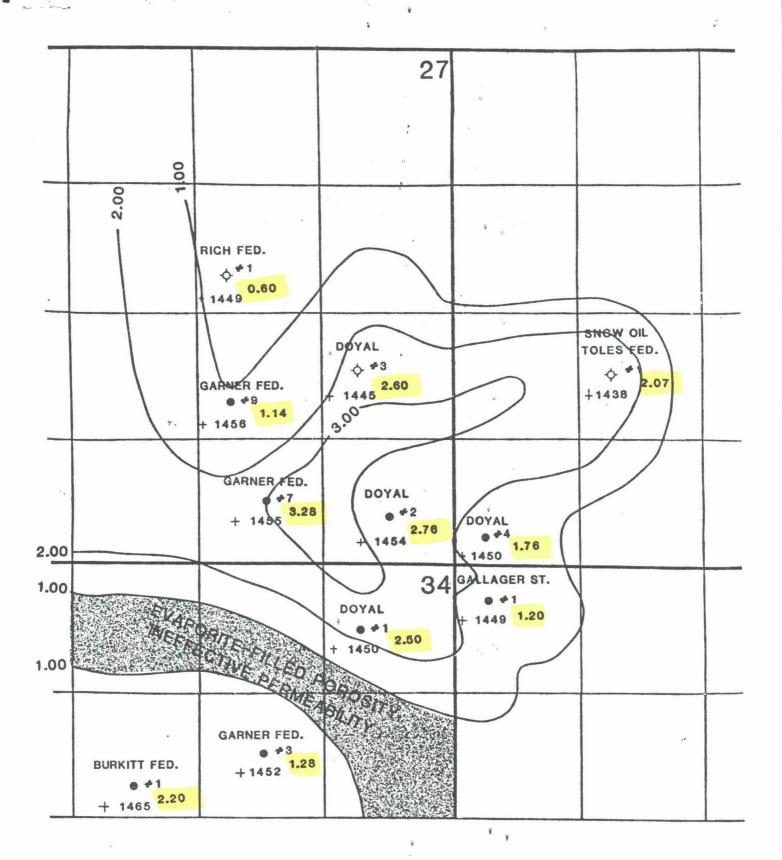
DOYAL #3

PARTIAL PRESSURE MAINTENANCE PROJECT

Sec. 27 - T12S - R31E

Chaves Co., New Mexico

Scale: 1": 1000'



YATES DRILLING CO.

DOYAL #3
PARTIAL PRESSURE MAINTENANCE PROJECT
Sec. 27 - T12S - R27E
Chaves Co., New Mexico

Contoured on Queen Porosity Feet

C.I. = 1 ØFt.

Scale: 1" = 1000'

		27			
			8 9		
	RICH FED.				
	♦*1				
	0.60 NA				
	+ 1449				
	SI 41 HR-28 MIN			SNOW OIL	
	949 PSIA @ +1456	DOYAL		TOLES FED.	
	11-26-84	♦ #3		♦ #1	
,	GARNER FED.	2.60		1438	
	• +9	+ 1445 SI 91 DAYS	*	1430	
	+ 1456	846 PSIA @ +1445			
		1-30-85			
			CI 14 UD 40 MIN		
	GARNER FED.	DOYAL	SI 14 HR 49 MIN 827 PSIA @ +1450		
	• +7	DOYAL	027 1 OIX @ 1140		
	+ 1455 3.28	+1454 2.76	DOYAL		
	SI 21 HR	SL 15 HR-41 MIN	1.76		
	920 PSIA @ +145	SI 15 HR-41 MIN 917 PSIA @ +1454	+ 1450		
	10-27-84 DELUNA	9-21-84	GALLAGER ST.		
	0 +3	1			
P/A1	61 19 HR-34 MIN 779 PSIA @+1 98 3-1-		+ 1449 1.20		
1No	148172 N 3-1-	85 1450 2.50	SI 14 HR-44 MIN		
	reconstruction	SI 15 HR-22 MIN	902 PSIA @ +1449		
		971 PSIA @ +14	50 11-9-84		
		452			1
	N.				
	GARNER FED.				
BURKITT FED.	• #3				
BURKITI FED.	+ 1452 1.28				
	SI 71 HR-38 MIN 340 PSIA @ +1452				
+ 1465 ^{2.20}	1-7-85				
31 180 HR					

250 PSIA @ +1465

1-30-85

YATES DRILLING COMPANY

DOYAL #3

PARTIAL PRESSURE MAINTENANCE PROJECT
MOST RECENT SIBHP

SEC. 27 T12S-R27E
CHAVES CO. NEW MEXICO
SCALE: 1" - 1000'

Add your address in the "RETURN TO" space on reverse.						
(CONSULT POSTMASTER FOR FEES)						
The following service is requested (check one).						
Show to whom and date delivered						
Show to whom, date, and address	of delivery					
2. L. RESTRICTED DELIVERY	in addition					
	· TOTAL \$					
3. ARTICLE ADDRESSED TO:						
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Loungton n m	88260					
4. TYPE OF SERVICE:	ARTICLE NUMBER					
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LI EXPRESS MAIL	<u> </u>					
(Always obtain signature of act have received the article described above)						
	re. Authorized agent					
	enrioutee affeist					
· Jaymone vis	car-					
DATE OF DELIVERY	FOSTMARK (may be on raverse side)					
/ '2 -/5kl	, (a) se ou itterate sice)					
6. ADDRESSEE'S ADDRESS (Only II reques	{sted!					
2. 4						
7. UNABLE TO DELIVER BECAUSE:	74. EMPLOYEE'S INITIALS					
	♦ GPO: 1982-379					

7		ومسأنت بيدن سربس
PS Form 3811, July 1962	SENDER: Complete Items 1, 2, 3, Add your address in the space on reverse.	and 4. "RETURN TO"
8 ::	(CONSULT POSTMASTER	FOR FEES)
<u>-</u>	1. The following service is requested (che-	ck one).
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85	Show to whom, date, and address of	deliverys
	RESTRICTED DELIVERY (The restricted delivery lee is charged in to the return receipt lee.)	
		TOTAL \$
	3. ARTICLE ADDRESSED TO:	u.
ĺ	PO Box 1017 Carlohad Mm	88220
-	4. TYPE OF SERVICE:	ARTICLE NUMBER
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	DEXPRESS MAIL	
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	SIGNATURE DAddressee DA	thorized agent
	V.F.	X CAD
	5. DATE OF DELIVERY	POSTMARK
	FEB 2 1 1985	(may be an riverse visit)
	6. ADDRESSEE'S ADDRESS (Only II request	試し (1857) / 関
RETURN RECE		
刃	7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S
Æ	7. UNDEE TO DECITED DECOUSE.	INITIALS
4		3PQ: 1982-379-59

YATES DRILLING COMPANY
DOYAL NO. 3
Partial Pressure Maintenance Project
1980' FSL & 990' FEL Sec. 27-12S-31E
Chaves County, New Mexico
Exhibit No. 10

BEFORE EXAMINER QUINTANA
OIL CONSERVATION DIVISION
YATES EXHIBIT NO. 10
CASE NO. <u>8502</u>

PS Form 3811, July 1982	SENDER: Complete Items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse. (CONSULT POSTMASTER FOR FEES) 1. The following service is requested (check one). Show to whom and date delivered	ly 1982	SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse. (CONSULT POSTMASTER FOR FEES) 1. The following service is requested (check one). Show to whom and date delivered
	2. RESTRICTED DELIVERY		(The restricted detivery fee is charged in addition to the solure receipt fee) TOTAL \$ 3. ARTICLE ADDRESSED TO: THE DILLS COMPANY PC DILLS
RETURN RECEIPT	(Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE Addressee Authorized agent DATE OF DELIVERY POSTMARK May R. D. Marse side) 7. UNABLE TO DELIVER BECAUSE: 71 - EMPLOYER S. U.S. 1982-379-5	ETURN RECEIPT	(Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE Addressee Authorized agent 5. DATI OF DELIVERY POSTMARK This be on reverse edge) 7. UNABLE TO DELIVER BECAUSE: 7. UNABLE TO DELIVER BECAUSE: AGPO: 1982-379-

rm 3811, July 1982	SENDER: Complete Items 1, 2, 3, Add your address in the space on reverse.	and 4. "RETURN TO"						
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ı	3 ARTICLE ADDRESSED TO:							
	3. ARTICLE ADDRESSED TO:	Clips						
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	Mintend Seles 29	TC1 Suizer						
		ARTICLE NUMBER						
	PREGISTERED LINSURED	1148 1610 110						
	□CERTIFIED □COD	498-192-117						
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	(Always obtain signature of add							
	i have received the article described above							
	SIGNATURE Addresses DAU	thorized agent						
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	5. DATE OF DELIVERY	POSTMARK						
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2	6. ADDRESSEE'S ADDRESS (Only If requests	(0)						
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₽	7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S						
R	TO SINGLE IN MENTER MENTED.	INITIALS						
RETURN RECEIP	·	1 50/						
-31		The second second						

⇔ GPO: 1982-379-593

space on reverse. (CONSULT POSTMASTER F	OR FEES)					
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(The restricted delivery lee is charged in a to the return receipt fee)	ddition					
	TOTAL \$					
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	7970 Q ARTICLE NUMBER					
4. TYPE OF SERVICE: DREGISTERED DINSURED	Anticle Homoch					
DEERTIFIED DOOD	498-192 119					
EXPRESS MAIL						
(Aiways obtain signature of add	ressee or agent)					
I have received the article described above						
SIGNATURE Addressee Au	thorized agent					
Com allega	11/12/					
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6. ADDRESSEE 3 ADDRESS (ONLY II request	" 03					
7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S					
	INITIALS					

S Form 38	- SENDER: Complete items 1, 2, 3, Add your address in the space on reverse.	"RETURN TO"							
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	i. The following service is requested (chec	k ona).							
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	RESTRICTED DELIVERY (The restricted delivery fee is charged in a the return receipt fee.)	£							
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	4. TYPE OF SERVICE:	ARTICLE NUMBER							
	REGISTERED DINSURED	ALLIOCE NOMBER							
		498-192-118							
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	I have received the article described above.								
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Ç,		INITIALS							
IP.	A STATE OF THE STA								
		a GPO: 1982/379/59							

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PS Form 3811, July 1982	SENDER: Complete Items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.								
8	(CONSULT POSTMASTER FOR FEES)								
٠,	The following service is requested (check one).								
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	(The restricted delivery lee is charged in ad- to the return receipt fee)	Jition							
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		orized agent							
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Z P	7. UNABLE TO DELIVER BECAUSE:	78. EMPLOYEE'S							
RETURN RECE		INITIALS							
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ф GPO: 1982-379-593

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space on reverse.	RETURN TO
(CONSULT POSTMASTER	FOR FEES)
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J. Hullong	
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7. UNABLE TO DELIVER BECAUSE:	THE EMPLOYEEPS

NE MEXICO OIL CONSERVATION COMMISSI WELL OCATION AND ACREAGE DEDICATION AT

		All distances must	be from the oute	r boundaries o	f the Section		
YATES DE		COMPANY		Doyle			West to 2
P Sect	27	Township 12 Sou	th Range	31 East	े प्रातृष्	Chaves	
rtual Footage Location		Courth				East	
500 fee and Level Elev.	Producing Fo	South line of	Pool	f e ·	et from the	<u> </u>	Test the forester
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	ne lease is	dedicated to the					e plat below, ereof (both as to working
dated by comm	unitization, No If a	unitization, force-pointswer is "yes;" typ	ooling. etc? e of consolic	lation			all owners been consoli-
this form if nec No allowable w	essary.) ill be assign	ed to the well until	all interests	have been	consolidate	ed (by com	numitization, unitization, approved by the Commis-
	1		; 			I hereby o	ertify that the information con-
	1		! ! !	 ¥		ĺ	rein is true and complete to the reknowledge and belief
	+ !		 			Eritten	Lyn Rhodes
	i 1			,		Yates	Drilling Company
	 			 		8/30/8	R CLOUD
<u> </u>	 					shown on reases of under my	certify that the well location this plat was profited from field actival, Euryeys made by me or supervision, and start the same and correction the best of my pad be entired.
	 			0-	760'		E 30, 1984 Frotession I Engineer
330 660 '90	1320 1650 16	880 2310 2640	2000 1500	1000	500 0	Certificate NM PE	&LS NO. 5412

YATES DRILLING COMPANY at Letter		Ail distances must	be from the outer hour	ideries of the Section.		
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1. Outline the arrange dedicated to the subject well be colored pencil or hardware marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to workin interest and royalty). 3. If more than one lease of different exceptability is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc. 1. It is never in "no." If answer is "yes." type of consolidation 1. If a rever is "no." list the except and treet descriptions which have actually been consolidated. (Use reverse side of the color of the reversary.) 1. An allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, antization for a depositing or otherwise) or until at non-standard unit, eliminating such interests, has been approved by the Commission. 1. CERTIFICATION 1. Thereby certify that the information contends of the reversal of the color of the reversal of the color of the reversal of the revers		2	root.		·	
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I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me a under my supervision, and that the sum is true and correct to the best of my knowledge and belief. 9/18/84 Data Gurveyred. 9/18/84 Data Gurveyred.	1		:		I hereby certify	that the information con-
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MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

; erator			Lease		Well No.
Yates Drilling Company			Doyal	4	
hit Letter	Section	Township	Hange	County	
M Actual Foctage Loc	26	12 South	31 East	Chaves	
330	feet from the	South line and	330 fee	t from the West	
Hound Level Elev.			Pool fee		line licated Acreage:
4425 GL_	Qu	ieen	SE Chaves	1	40 Acres
1. Outline th	e acreage dedica	ated to the subject wo	ell by colored pencil o	or hachure marks on the p	lat below.
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2. If more th	nan one lease is	dedicated to the wel	l, outline each and ide	entify the ownership there	of (both as to working
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es	No If a	inswer is "yes;" type c	of consolidation	· —· — · — · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
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wer	is "no," list the	owners and tract desc	riptions which have a	ctually been consolidated	I. (Use reverse side of
	(finecessary.)		1.		
No a cowiti for row	die will de assigi Jing er otherwise	ica to the well until al	d unit aliminating and	consolidated (by commun	itization, unitization,
sia.	ing, or otherwise	for until a non-standar	a unit, eliminating suc	ch interests, has been ap	proved by the Commis-
	!			C	ERTIFICATION
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	1		l .	I 1	Is true and complete to the
	i		·	Best of my kn	owledge and belief.
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	+			Nome	erio Rodriguez
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	1		İ	- I I	ılatory Agent
	1)	Company	
	i •		 	Yates Dri	lling Company
	ł			Date 11/	14/84
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Form C-102 Supersedes C-128 Effective 1-1-65

NM PESIS NO. 5412

All distances must be from the outer boundaries of the Section wen n ... ; rator YATES DRILLING <u>Doyal</u> Juit Letter ation per Sunty 12 South 31 East Chaves Actual Ecotage Location of Well: 660 Morth feet from the Ground Level Elev. Producing Position. 4428' Queen SE Chaves Queen 1. Outline the acreage dedicated to the subject well by colored pencil or hachare marks on the plat below. 2. If more than one lease is dedicated to the well, outline gach and identify the ownership thereof (both as to working interest and rovalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consoliand d by communitization, unitization, force-pooling, etc? If answer is "ves," type of consolidation ____ swer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of form if necessary.)_ towable will be assigned to the well until all interests have been consolidated the communitization, unitization, 1-pooling, or otherwise) or until a non-standard unit, climinating such interests, has been approved by the Corn isf:CERTIFICATION I hereby certify that the inferior bon so tained herein is true and complete to 90 been of my knowledge and tellef. Gliserio Redrigues Pegulatory Agent Yates Brilling Company. 7/24/84 MR. REDO by certify they the well location octual surveys made by supervision, and under the Goldeland Jollie PROFESS <u>July 23, 1984</u> Buighten Linder.

		All distances must be fi	om the outer boundaries	of the Section.	
YATES 1	DRILLING COMP	ANY	Lease Garner	Federal	Well No.
it Letter	Section	Township	Hunge	County	
J	27	12 South	31 East	Chave	s
tual Footage Loc	ation of Well:	• • • • • • • • • • • • • • • • • • • •			
1650		outh Ime and		feet from the East	line
und Level Elev. 4424 GL	Producing Po		Pool SE Chaven		Dedicated Acreage: 40 Acres
		ated to the subject we	· · · · · · · · · · · · · · · · · · ·		
3. If more th	and royalty). nan one lease of		dedicated to the wel		thereof (both as to working
Yes If answer this form	is "no." list the if necessary.)	answer is "yes;" type of owners and tract descent	of consolidation riptions which have	n consolidated (by co	ommunitization, unitization, en approved by the Commis-
	<u> </u>		.		CERTIFICATION
	 			tained best of Altz Name Gli Position Reg Company	y certify that the information conherein is true and complete to the my knowledge and belief. Leve Rodriguez Sulatory Agent B Drilling Company 10/26/84
		NM-OIS YDC.	2310	shown notes under d	by certify that the well location on this plat was plotted from field of actual surveys made by me or my supervision, and that the same e and correct to the best of my edge and belief. 10/25/84
		1650'		Register and/or L	ed Profest Latiful Engineer and Sure A HESCHE

NELL LOCATION AND ACREAGE DEDICATION PLAT

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

		All distances must be	from the outer bo	undaries of t	he Section.			_
perator	RILLING COMPAN	Υ	Lease	ner Fed	eral		Well No.	
Init Letter	Section	Township	Hange		County			
0	27	12 South		East		Chaves		
ictual Footage Lo	cation of Well;	<u> </u>						
660		outh line on i			from the	East	line	
round Level Elev			Pool SE C				cated Acreage:	
4432.6	Quee	n	GAS A	REA	Assoc.		40	Acres
2. If more t	U	ited to the subject v	·	•		•		working
	communitization,	lifferent ownership is unitization, force-poo unswer is "yes;" type	ling. etc?			erests of all	owners been	consoli-
this fo rm No allows	if necessary.)able will be assign	owners and tract des ned to the well until a) or until a non-standa	ll interests ha	ive been c	onsolidated	(by commun	itization, unit	ization,
	1		1			CF	RTIFICATION	
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	 +		·			Nome Clifton	Padadawa	
	i		i	•		Position	Rodriguez	
	∤		1		11	Regulato	ry Agent	
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		All distanc	es must be from	the outer bound	aries of the Se	ction.	
Operator			Le	ase			Well No.
Yates Unit Letter	Drilling Cor	Township		· · · · · · · · · · · · · · · · · · ·	her State		
D	35		South	Range 31 Ea	Coun	Chav	es
Actual Footage Loc	ation of Well;	- 		<u></u>		· · · · · · · · · · · · · · · · · · ·	
330	feet from the	North	line and	330	feet from	the Wes	
Ground Level Elev. 4435.5 GL	Producing Fo		Pe				Dedicated Acreage:
	Pusa			SE Cha		reen	40 Acres
1. Outline th	e acreage dedic	ated to the	subject well	by colored p	encil or hac	hure marks	on the plat below.
	nan one lease is nd royalty).	s dedicated (to the well, o	outline each	and identify	the owners	ship thereof (both as to working
	an one lease of communitization,				well, have	the interes	sts of all owners been consoli-
Yes Yes	☐ No If a	answer is "y	es;" type of c	onsolidation			······································
If answer	is "no" list the	owners and	tract descrin	tione which i	have actuall	v boon oon	solidated. (Use reverse side of
this form i	[necessary.)	owned and	adet descrip	tions which	ave actuall	y been con	isolidated. (Use reverse side of
No allowal forced-poo	ble will be assig ling, or otherwise	ned to the we e)or until a n	ll until all in o <mark>n-</mark> standard u	terests have nit, eliminat	been conso	lidated (b) erests, has	y communitization, unitization, s been approved by the Commis-
sion.							
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B-10418	i			1	,	Nom	hrens Kolings
		+				1 1	Gliserio Rodriguez
	1		·	į		l Posi	Regulatory Agent
	1				•	Yat	ces Drilling Company
				1		Date	10/24/84
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	į.			Ì		11	hereby certify that the well location
· [ŗ			1		1 1	own on this plat was plotted from field
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	1			<u> </u>		1 1	true and correct to the best of my-
	` _ _ 					km	owledge and belief.
	1 — — —			1			10/23/84
	1		v	1		Date	SEM-WEST
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0 330 660	100 1320 1650 1	000 2210 2040	3000	1500 10			Trans. M. T.

MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Operator Well No. YATES DRILLING COMPANY DeLuna Federal #3 Township that Letter Heneye. County В 34 12S 31E Chaves Actual Footinge Location (L Well: 3301 North 1980° East line and feet from the Ground Lyvel Llev. Producing Formation Dedicuted Acresses 4433.4' GL1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 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. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? If answer is "yes!" type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, climinating such interests, has been approved by the Commis-CERTIFICATION 1980 I hereby certify that the information can-YOU tained herein is true and complete to the Nei 15816 Gliserio Rodriguez <u>Pegulatory Agent</u> YATES DRILLING COMPANY Date 1/31/85 torry and like a on this play was plotted from field als actual subjects made by me or in auplayision, and that the same and courses when knowledge and Betielsen Date Surveyed January 22, 1985 Registered Professional Engineer and/or Land Surveyor

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NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section. Well No. Operator 1 Rich Federal Drilling Company Unit Letter County Chaves Actual Footage Location of Wel! feet from the line and feet from the Ground Level Elev: Producing Formation Dedicated Acreage: 4435.61 Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 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. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation _ If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information contained herein is true and complete to the ō CY COWAN RICH Regulatory Agent Yates Drilling Co. 11-26-84 I hereby certify that the well location shown on this plat was platted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.