CASE 6917: YATES PETROLEUM CORPORATION FOR AN NGPA DETERMINATION, EDDY COUNTY, NEW MEXICO

CONTINUE TO JUNE 25

# Case 110.

Application
Transcripts

Small Exhibits

ETC

## P. O. BOX 2088, Santa Fe, New Mexico 87501

		PRICE CHILING CATEGORY DETERMINATION	Eins of Louis
		FRICE CHILLIO CHILOUNI IMPIRMIANI ANN	Mule, Festival et Fee
1.	rok niv	ISION USE ONLY	5, State Cal 6 Gra Leuse Ha.
	DATE OF	: APPLICATION	
		DETERMINATION	
		CONTESTED	1, that Appeared time
		PARTICIPANTS	
giama et	Cip-riotor	FINI ACAI 74120	t, I'am or Lexie lime
Ya	tes Petro	oleum Corporation	Goat Roper "LP" Com
Addies:	of (harder		9, Well fio.
20	7 South I	Fourth Street, Artesia, New Mexico 88210	1 tu, l'Inki and I'oo), as Willent
Lecotion		1300	Eagle Creek Atoka
water L	677CA	P 1130 PEET FROM THE SOUTH LINE AND 1300 FEET FROM	Morrow '
المنظم الا	Past	time, section 30 township 17S mance 26E number.	
33.		nd Address of Transporter(s)	
•			12. County
Tr	answeste	rn Pipeline Company, P. O. Box 2521, Houston, Texas 77001	Eddy
		WELL CATEGORY INFORMATION	
ćha	ok annos	priate box for category sought and information submitted.	
- <i>Lnc</i>		•	
3 ye		y(ies) Sought (By NGPA Section No.) Section 102 (c)(1)(C)	
. 2.	All App	lications must contain:	
×	a. C-1	01 APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK	
IX)	b. C-1	05 WELL COMPLETION OR RECOMPLETION REPORT AND LOG	•
	c. DIR	ECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111	
区	d. AFF	IDAVITS OF MAILING OR DELIVERY	
<b>1</b> 3.	REW NAT	URAL GAS UNDER SEC. 102(c)(1)(B) (using 2.5 Hile or 1000 Feet	Deeper Test)
,			
; LJ	a. Loc	ation Plat	
4.	NEW NAT	URAL GAS UNDER SEC. 102(c)(1)(C) (new onshore reservoir)	•
	a. C-1	22 Multipoint and one point back pressure test	•
	NEW ONE	HORE PRODUCTION WELL	•
<b>3.</b>			
L	"a. C-10 :	02 WELL LOCATION AND ACREAGE DEDICATION FLAT	
1.0	b. Ro.	of order authorizing infill program	••
<b>5.</b>	STLIPPE	R GAS	•
<b>4</b> .53	a. C-1	16 CAS-OIL RATIO TEST	•
	b. PRO	DUCTION CURVE FOR 12-HONTH PERIOD PRECEDING DECEMBER 1, 1978.	•
		DUCTION CURVE FOR THE 90-DAY PERIOD ON WHICH THE APPLICATION	IS BASED
		ECET VILLE	*
		THE THAT THE INDENATION CONTAINED HEREIN IS TRUE AND CONTAINED HEREIN IS T	DAPLETE TO THE
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· n n h /
	F. D. J.	Barper . SIGNED: SIGNED:	IN MIXIV
		DATE: April 17, 1980	7
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	234	, EXMIRER	

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<del>-</del>	F	ERC-121				1	
	مقعمون بيسميتو.		30-015-2	3059			
API well number: (If not available, leave blank, 14 digits.)			102	Cate	4 gory Code		•
Type of determination being sought: (Use the codes found on the front of this form.)		Section	on of NGPA				
Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)				65-8373_fe		Seller Code	
Name, address and code number of applicant: (35 letters per line maximum. If code number not blank.)	Yates Name 207 Sc	Petro.	leum Corpor ourth Stree	t		Seller Code	
maximum. 17 coor in a serial s	Street Artes City	•		NM State	88210 Zip Cods		
O Location of this well: [Complete (a) or (b).]	I Field N	H1100	k Atoka Mor	row	NM State		
(a) For onshore wells (35 letters maximum for field name.)	Eddy County	<u>.                                    </u>			Block Number		
(b) For OCS wells:	Area N		Date of Lease:		Block Municipal	•	
•		L.,	Mo. Day Yr.	ı oc	S Lease Number		7
(c) Name and identification number of this well: (35 letters and digits	Goa	t Rope	er "LP" Com	No. 1		·	
of this test.	-						- 1
(d) It code 4 or 5 in 2.0 above, name	+	rrow					-
(d) It code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	Мо	rrow	stern Pipel			Buyer Cod	
6) the code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)  6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not assistate, leave blank.)	Мо	rrow		ine Company	y.	Buyer Cod	
of this went.  (d) it code 4 or 5 in 2.0 above, name of the reservoir: (35 letters moximum.)  6.0 (a) Name and code number of the purchaser: (35 letters and digits moximum. If code number not mailtable, leave blank.)  (b) Date of the contract:	Mo:	rrow					
6) the code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)  6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not assistate, leave blank.)	Mo:	rrow		ine Company	Yr.	(d) Total	of (a),
of this veri.  (d) it code 4 or 5 in 2.0 above, name of the reservoir: (35 letters monimum.)  8.0 (a) Name and code number of the purchaser: (35 letters and digits mentioners. If code number not assistable, leave blank.)  (c) Estimated annual production:	Mo:	rrow	stern Pipel: (a) Base Price (\$/MMBTU)	ine Company Mo. Day	Yr.  (c) All Other Prices (Indica (+) or (-).)	(d) Total	of (a),
of this went.  (d) it code 4 or 5 in 2.0 above, name of the reservoir: (35 letters moximum.)  8.0 (a) Name and code number of the purchaser: (35 letters and digits moximum. If code number not available, leave blank.)  (c) Estimated annual production:  (d) Estimated annual production:  (a) Sentract price:  (A) Of filing date. Complete to 3 decimal places.)	TY Nac	rrow	(a) Base Price (\$/MMBTU)	Mo. Day	Yr.  MMcf.  (c) All Other Prices [Indica (+) or (-).]	(d) Total (b) and (c)	2 2 5 2 3
d) it code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)  8.0 (a) Name and code number of the purchases: (35 letters and digits maximum. If code number not maximum is code number of the contract:  (c) Estimated annual production:  (d) Estimated annual production:  (e) Estimated annual production:  (a) Sentract price:  (a) Complete to 3  (b) Sentract price:  (c) Estimated annual production:	Mo:	rrow canswe	(a) Base Price (\$/MMBTU)  2.428	Mo. Day	Yr.  MMcf.  (c) All Other Prices [Indica (+) or (-).]	(d) Total (b) and (c)	2 2 5 2 3
of this went.  (d) it code 4 or 5 in 2.0 above, name of the reservoir: (35 letters moximum.)  8.0 (a) Name and code number of the purchaser: (35 letters and digits moximum. If code number not available, leave blank.)  (c) Estimated annual production:  (d) Estimated annual production:  (a) Sentract price:  (A) Of filing date. Complete to 3 decimal places.)	Mo: Name  Try Name  Cigon:	rrow canswe	(a) Base Price (\$/MMBTU)  2.428  2.428  . Harper	Mo. Day  (b) Tax 194	Yr.  (c) All Other Prices (Indica (+) or (-).)	(d) Total (b) and (c)	2 2 5 2 2

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SANTA I'L		( :W.)	EXICO OIL CO	NEE BVATIO	ii comuse	.4 10	So. feelicate	Type of Levice
FILE .	WEI	I COMPLE	TION OR REC	OMPLETIE	<b>NEKETORI</b>	AND LOC	State	r-• X
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10. TYPE OF MLLL	· · · · · · · · · · · · · · · · · · ·	· VOV	100	<del></del>	,	<del></del>	7. Cat Agri	acurery factors
	on [	445	<b></b>	ARTESI,	A, OFFICE		}	•
b. TYPE OF COUPLE	TION WELL	J weilt	ORY L	01HC#_	<del> </del>		H. Farm or L	.ease Pine
MELL EN OVE		7 ****	0155.				Goat Ro	per "LP" Com
2. Came of Crivater	a L Decrent	J. BACE L	_l esve	OTHER	<del></del>	<u> </u>	9. Well 1:0.	
	leum Corpoi					••		•
3. Addissa of Creinier	rema corpor	9 51011		<del> </del>			10 3100	J Poel, a Aldest E.
	lah gamaaa	3 w4 a m d a		22.0	.*			•
L	th Street .	- Artesia	NM BB.	210			RAGIE C	reek Atoka
4. Location of Well		• •	•					11111111111111111111111111111111111111
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untr Letten P	LOCATED _113(	FEET PAG	Sout	LINE AND	1300	_ FEET FROM	IIIIII	
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maEast Lint or	se. 30 yws.	175	26E ***			[[]][[]]	Eddy	
15. Date Spudded	1ê, Date T.D. Heaci				Elevinons ilil	, RAB, KT,		Elev. Cashingheas
2-8-80	3-1-80		3-9-80	<i>₽</i>	3413	GP :		••
20. Total Cepth	21, Plug 63		22. If Meltin	le Cempl., Ho	w   23. inter	vels , Aste led By i	ry Tools	, Cable Tools
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24. Producing Interveits			Name	<del></del>			15	5, Was Directional Survey
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26. Type Electric and C			•			7	27. 5	• .
	CNL/FDC.	بابالا	··			·		No
22.		CASI	IG RECORD (Rec	ort all string	s set in well)			· · · · · · · · · · · · · · · · · · ·
CASING SIZE	WEIGHT LB. FT.	DEPTH	SET HOL	LE SIZE	CEM	ENTING REC	ORD	AMOUNT PULLED
13+3/8"	48#	365'		L735"	3	60 sack	.s	
8-5/8"	24#	1245		25"	7	52 sack	.6	
514*	17&15.5#	8499		7-7/8"		10 sack		
				÷	:	•		
29,	LINE	RECORD			sè.	•	TUBING RECO	ORD .
SIZE	TOP	BOTTOM	ACKS CEMENT	SCREEN	SIZE	01	PTH SET	PACKER SET
				<del></del>	2-7/	8" 8	322	83221
	<del></del>	<del></del>					<del>- (_                                   </del>	<del></del>
M. Perforation Record (	Internal time and and	heet		32.	ACID SHOT	FRACTURE	CEMENT SOL	IEEZE, ETC.
8365-8373			~£\		INTERVAL	<del></del>		D MATERIAL USED
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<b>3.</b>	· ·			UCTION			1 2 2	
Date First Production	Production		ng, gas lift, pump	ung – Size an	n tà be bemb)		1	(Prod. w Shut-in)
3-9-80		Flowin			•		SIWO	
Dan pi Trai		Choke Size	Prod's. For Test Period	CII - PM.	- 15 - 15	cř , Wat	er - libl.	Jos-Vil Hatta
<b>₹.3-9</b> 480	2				157			
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	Andrews Commence of the Commen	•		-		•		·

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### VERIFICATION AS TO COMPLETION OF REQUIREMENTS FOR SPECIAL RULES 1 & 2

THE STATE OF NEW MEXICO

COUNTY OF EDDY

B. W. Harper, being first duly sworn, states that he is Secretary-Treasurer of Yates Petroleum Corporation; that he is authorized to execute this affidavit; that he has read the above and foregoing and is familiar with the contents thereof; and that all allegations and facts contained therein are true and correct to the best of his knowledge, information, and belief; that the foregoing Form C-132, Application for Wellhead Price Ceiling Category Determination, and FERC Form 121 has been mailed or delivered to all working interest owners in subject well; that Yates Petroleum Corporation is operator of subject well and intends this application to cover all parties to the operating agreement and gas purchase contract and notice has been given by mailing or delivering this application to them in accordance with New Mexico Oil Conservation Division instructions; that the foregoing application has also been mailed or delivered to the appropriate purchaser in accordance with the requirements set out in the Regulations Implementing the Natural Gas Policy Act of 1978.

YATES PETROLEUM CORPORATION

Secretary-Treasurer

SWORN TO AND SUBSCRIBED before me this 1740 day of april.

Sugar Beardenph

Notary Public in and for the State of New Mexico

Commission Expires:

# NEW MELICO OIL CONSERVATION COMMISSION WELL LUCATION AND ACREAGE DEDICATION PLAT

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

YATES PE Unit Letter P Actual Footage Loca	TROLEUM COR	· የድረስ ይጥተ ነው	Lea	50	•			Well No.	
Unit Letter		MOYTAGOR						:	
P				GOAT	ROPER			1 1	
<del></del>	Section	Township		Ronge		County	•		
Actual Contago Logs	30	17 Sou	ith	26	East	Ec	idy	·	·
Meridan Logitada Fosc	ition of Well:								
1130	feet from the SOU	th	line and	1300	feet	from the	East	line	
Ground Level Elev:	Producing For		Pool	1			Dec	licated Acreage:	
3413	MORROL	<i>ي</i>	Ux	. 2SAV	MORR	مسه	1	320	Acres
	account dedicat	ad to the cub	iest well b	e colore	l namei) or	hachure			
<ol> <li>Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</li> <li>If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</li> <li>If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consoli-</li> </ol>									
If answer in this form if No allowab	mmunitization, u	nitization, forces, swer is "yes," owners and tra	type of conct description	etc? nsolidations whice erests ha	on	tually bee	en consolidated	. (Use reverse	side of
		RZ6E	,				Ci	ERTIFICATION	
		. 70-	•	1			*		
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<u> </u>	i					- 1	tained herein	is true and comple	te to the.
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DISTRIBUTION	T NEW	וובעולם חוו בחוונם	RVATION COMMISSION			° -13059
SANTA FE		MEXICO OIL CONSE	KANTOH COMMISSIO		Form C-101 Revised 1-1-6	35
FILE	+1			ſ	SA. Indicate	Type of Lease
	<b>-}</b>   ·	•	,	ļ	STATE	
U.S.G.S.	4					<del></del>
LAND OFFICE	4	•			.5, State Off	& Gas Lease No.
OPERATOR			•	i l		
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APPLICATIO	N FOR PERMIT TO	DRILL, DEEPEN.	OR PLUG BACK			
1a. Type of Work					7. Unit Agre	rement Nume
· -	•					•
b. Type of Well DRILL X		DEEPEN	PLUG	BACK [] }	8. Form or L	ense Nome
1 1 1		•	STREET MOT	77966 [-7		
WELL WELL	OTHER		ZONE MUL	ZONE	Goat Ro	per LP
2. Name of Operator		• •			9. Well No:	•
Yates Petroleum	Corporation			I	1	· · · · · · · · · · · · · · · · · · ·
3, Address of Operator				·	10. Field on	d Pool, or Wildcat
207 South 4th St	reet, Artesia,	New Mexico 88	210	Į.	Undes.	Morrow
4, Location of Well	<u> </u>	1120	Sout	h	TITTE	anninininininininininininininininininin
MIT LETTE	.m Loc	ATEDI	PEET PROM THE	ring }		
1300	Fact	30 ,	TWP. 17S RGE. 26	e f	///////	
AND 1300 PEET PROM	THE East LIN	E OF SEC. 30	WP. TYS RGE. 20		12, County	millitiliti
				IIIIII		HIHHM
		mmmi	MMM	7777777	Eddy	
Hillithim	HHHHHH	HHHHH	9. Proposed Depth	9A. Formation		20. Rotary or C.T.
			8600'	Morro	w.	Rotary
21. Elevations (Show whether DF.	RT etc.) 21A Kind	& Status Plug. Bond	21B, Drilling Contractor			. Date Work will start
			· ·	a Co		on as approved
3413'	l BTg	inket	Landis Drillin	y CO.	L No 200	" as approved
	Þ	ROPOSED CASING AND	CEMENT PROGRAM			
	<u> </u>	ROPOSED CASING AN				
SIZE OF HOLE	SIZE OF CASING	ROPOSED CASING AN	SETTING DEPTH			EST. TOP
	<u> </u>		Approx. 400	SACKS OF		EST. TOP Circulate
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		sx	
SIZE OF HOLE 174" 124"	\$12E OF CASING 13 3/8 8 5/8	WEIGHT PER FOOT 48# 24#	Approx. 1300'	250 600	sx sx	Circulate
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	Approx. 400	250	sx sx	Circulate
SIZE OF HOLE 174" 124"	\$12E OF CASING 13 3/8 8 5/8	WEIGHT PER FOOT 48# 24#	Approx. 1300'	250 600	sx sx	Circulate
SIZE OF HOLE 174" 124"	\$12E OF CASING 13 3/8 8 5/8	WEIGHT PER FOOT 48# 24#	Approx. 1300'	250 600	sx sx	Circulate
SIZE OF HOLE 174" 124" 7 7/8"	\$12E OF CASING 13 3/8 8 5/8 41 or 51	WEIGHT PER FOOT 48# 24# 10.5 or 17#	Approx. 1300' TD	250 600 250	sx sx	Circulate
SIZE OF HOLE  174"  124"  7 7/8"	\$1ZE OF CASING 13 3/8 8 5/8 4% or 5½	WEIGHT PER FOOT 48# 24# 10.5 or 17#	Approx. 400' Approx. 1300' TD	250 600 250	sx sx sx ons. Wi	Circulate Circulate
SIZE OF HOLE  174"  124"  7 7/8"  stoppose to dril  statiy 400'	SIZE OF CASING  13 3/8  8 5/8  41 or 51  1 a well to tes of surface cas	WEIGHT PER FOOT 48# 24# 10.5 or 17# st the Morrow asing to shut of	Approx. 400' Approx. 1300' TD  and intermediate f gravel and ca	250 600 250 formation	sx sx sx ons. Wi	Circulate Circulate  11 set
SIZE OF HOLE  17½"  12½"  7 7/8"  7 400'  Sill be set	SIZE OF CASING  13 3/8  8 5/8  41 or 51  1 a well to tes of surface cas 100' below the	WEIGHT PER FOOT 48# 24# 10.5 or 17# st the Morrow asing to shut of Artesian water	Approx. 400' Approx. 1300' TD  and intermediate f gravel and ca	250 600 250 formation	sx sx sx ons. Wintermediall be o	Circulate Circulate  ll set late circulated.
SIZE OF HOLE  17½"  12½"  7 7/8"  7 400'  Sill be set	SIZE OF CASING  13 3/8  8 5/8  41 or 51  1 a well to tes of surface cas 100' below the	WEIGHT PER FOOT 48# 24# 10.5 or 17# st the Morrow asing to shut of Artesian water	Approx. 400' Approx. 1300' TD  and intermediate f gravel and ca	250 600 250 formation	sx sx sx ons. Wintermediall be o	Circulate Circulate  ll set late circulated.
SIZE OF HOLE  17½"  12½"  7 7/8"  7 400'  Sill be set	SIZE OF CASING  13 3/8  8 5/8  41 or 51  1 a well to tes of surface cas 100' below the	WEIGHT PER FOOT 48# 24# 10.5 or 17# st the Morrow asing to shut of Artesian water	Approx. 400' Approx. 1300' TD  and intermediate f gravel and ca	250 600 250 formation	sx sx sx ons. Wintermediall be o	Circulate Circulate  ll set late circulated.
SIZE OF HOLE  174"  124"  7 7/8"  7 7/8"  will be set to drill	SIZE OF CASING  13 3/8  8 5/8  4½ or 5½  1 a well to test of surface case 100' below the 1 run 5½" or 4½	WEIGHT PER FOOT 48# 24# 10.5 or 17# st the Morrow as ing to shut of a Artesian water production of	Approx. 400' Approx. 1300' TD  and intermediate fravel and car zone. Both straing and cemen	formatic ving. In rings shat with a	sx sx ons. Wintermediall be of	Circulate Circulate  11 set ate circulated.
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207 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 746-3558

April 17, 1980

SUBJECT: Natural Gas Policy Act

Application

Statement Under Oath

New Onshore Reservoir

PRESIDENT
MARTIN YATES, (II
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC.-TREAS

TO: Mr. Joe Ramey, Director, OCD

Energy and Minerals Department

P. O. Box 2088

Santa Fe, New Mexico 87501

Natural Gas Produced From:

Well Name:

Goat Roper "LP" Com No. 1

A.P.I.#:

30-015-23059

Location:

Section 30-17S-26E

Formation:

Morrow

Yates Petroleum Corporation (Operator), a New Mexico Corporation, herein swears:

- (1) That he has made, or has caused to be made pursuant to his instructions, a diligent search of the following records which are reasonably available and contain information relevant to the determination of eligibility:
  - (a) Commercial oil and gas lease ownership map and well location map compiled from official county and state records and sold to us by Midland Map Co., Midland, Texas, on file in Operator's offices.
  - (b) Legal review of land title prior to drilling, on file in Operator's offices.
  - (c) Well completion cards, on file in Operator's offices, on all wells within the same section as the referenced well and which penetrated the same prospective formations as sought by the referenced well. Such cards are available commercially and are compiled from information available in state offices.
  - (d) Electric log records of all relevant wells which penetrated the same prospective formations as sought by the referenced well. Log records are on file in Operator's offices, respective state offices, and commercial log companies.

- (e) State of New Mexico production records and gas well shut-in tubing pressure records of all relevant wells which produced or produces from the same prospective formations as sought by the referenced well. Such records are kept in Operator's office and state offices. They were used in lieu of severance tax and royalty payment records which are not reasonably available to the applicant.
- (f) Daily drilling reports on file in Operator's files indicating date and time of spudding the referenced well.
- (g) State of New Mexico approval of the referenced well location and dedicated acreage to be assigned to the well in the event of production. Such records are on file in both Operator's office and respective state office. A copy of the acreage dedication plat is included.
- (h) Official notices by operator of well drilling activity and completion reports filed with respective state office.
- (i) Operator's well files including such data as BHP surveys, production rates, flowing tubing pressures and line pressures.
- (2) That on the basis of the results of this search and examination, Operator has concluded that to the best of his information, knowledge and belief the gas to be produced and for which he seeks a determination is from a new onshore reservoir; and
- That he has no knowledge of any other information not described in the application which is inconsistent with his conclusion.
- (a) Was natural gas produced in commercial quantities from the reservoir prior to April 20, 1977?

NO

(b) Was the reservoir penetrated before April 20, 1977, by an old well from which natural gas or crude oil was produced in commercial quantities from any reservoir?

(c) If the question in subparagraph (b) is answered in the affirmative could natural gas have been produced in commercial quantities from the reservoir before April 20, 1977, from any old well described in (b)?

N/A

(d) If the Natural gas is to be produced through an old well, well, were suitable facilities for the production and delivery to a pipeline of such natural gas in existence on April 20, 1977?

N/A

### CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Statement has been served upon the following by mailing the same, postage prepaid, properly addressed to:

Transwestern Pipeline Company P. O. Box 2521 Houston, Texas 77001

BW Harper

DATED at Artesia, New Mexico, this

17th day of April, 1980.

### CERTIFICATE OF MAILING

Yates Petroleum Corporation hereby certifies that it has this day mailed the appropriate FERC 121 Form and OCD 132 Form to all working interest owners and gas purchaser(s) (if any) in:

Goat Roper "LP" Com No. 1
WELL NAME

Section 30-17S-26E, Eddy Co., NM

LEGAL DESCRIPTION

YATES PETROLEUM CORPORATION

By: B. W. Harper

Secretary-Treasurer

Sworn to and subscribed before me this 17th day of April, 1989.

Notary Public in and for Eddy Co., New Mexico

Counission Expires:

arigust 3, 1983

		COMPANY SELLER		STA. NO. 1374-1				
		FIELD OR			% CONTRACT	NO.		
< Tu	$ >  \mathbb{S}$	SOURCE OR RESERVOIR			<b>8</b> .	TEST DATE 01 23.80		
		RESERVOIR	TEST DATE ON CO.					
GAS QUALITY	TEST REPORT	STATION NAME 60	NAME GOAT ROPER #1					
COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	G. P. M.	MOLE FRACTION	G. P. M. CONTENT		
		MOLETINACTION	HIBROCARDONS	0.7.7.	FRACTION	CONTENT		
NITROGEN	.9672	. 0060	PROPANE	27.514	•			
CARBON DIOXIDE	1.5195	-0015	ISO-BUTANE	32.698	•			
HELIUM	.1382	•	N-BUTANE	31.510	•			
OXYGEN	1,1048	.0003	LPG					
HYDROGEN SULFIDE	1.1766	•	ISO-PENTANE	36.582	•			
WATER VAPOR	.6220	•	N-PENTANE	36.213	•			
		(. 0118 )	HEXANES	41.111	•			
± HYDROC	ARBON DILUENTS	(.0(18))	HEPTANES +	46.126	•			
METHANE	.5539	.9018	NATURAL	GASOLINE -				
ETHANE	1.0382	.0132	TOTAL LIQUEFIABLE GPM					
PROPANE	1.5225	0180						
ISO-BUTANE	2.0068	.0021	WATER VAPOR CO		i			
N-BUTANE	2.0068	.0045	Gas Mixture Static Pressure PSI Hydrocarbon Dew Paint <sup>O</sup> F					
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N-PENTANE	2.4910	.00(2	Lbs Water Vapo					
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			ANALYST F (C					

### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 6917 Order No. R-6405

APPLICATION OF YATES PETROLEUM CORPORATION FOR AN NGPA DETERMINATION, EDDY COUNTY, NEW MEXICO.

### ORDER OF THE DIVISION

### BY THE DIVISION:

This cause came on for hearing at 9 a.m. on June 25, 1980, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 22nd day of July, 1980, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

### FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Yates Petroleum Corporation, seeks a determination by the Division, in accordance with Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission, that its Goat Roper "LP" Com Well No. 1, located in Unit P of Section 30, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico, has discovered a new onshore reservoir from which natural gas was not produced in commercial quantities before April 20, 1977.
- (3) That said well was completed in the Morrow formation with perforations from 8365 feet to 8373 feet, and a plugged-back depth of 8490 feet after having been drilled to a total depth of 8610 feet.
- (4) That although there are several wells in the general vicinity of the subject well which have penetrated and are or

-2-Case No. 6917 Order No. R-6405

were completed in the Morrow formation, pressures and productive capacity encountered in said Goat Roper "LP" Com Well No. 1 as compared to said wells are completely distinctive and are indicative of an undrained reservoir.

(5) That the combined geological and engineering data presented establishes that said Goat Roper "LP" Com Well No. I has been completed in a new onshore reservoir as defined by the provisions of Section 102 of the Natural Gas Policy Act of 1978 and the applicable rules of the Federal Energy Regulatory Commission.

### IT IS THEREFORE ORDERED:

- (1) That the Yates Petroleum Corporation Goat Roper "LP" Com Well No. 1, located in Unit P of Section 30, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico, is completed in a new onshore reservoir as defined by Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission.
- (2) That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY

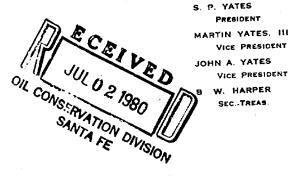
Director

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207 SOUTH FOURTH STREET ARTESIA. NEW MEXICO 88210 TELEPHONE (505) 746-3558



June 30, 1980

Case 6917

Mr. Joe Ramey, Director Oil Conservation Division Energy and Minerals Department P. O. Box 2088 Santa Fe, New Mexico 87501

Re: Goat Roper "LP" Com No. 1 Section 102(c)(1)(C) application New Onshore Reservoir

Dear Mr. Ramey:

Enclosed are six corrected copies of page 3 of the Goat Roper "LP" Com No. 1 Section 102 application. Please substitute these pages in the application we submitted earlier.

Thank you for your cooperation.

Yours truly,

Ludan Beardemphl LuAnn Beardemphl Secretary

LAB

RESE	RVOIR COMPARISONS - OFFSET WELLS - APPLICATIO	ON FOR SEC. 102 NEW RESERVOIR CATEGORY PAGE 3 OF 6
SUBJECT WELL Goat Roper "LP" Com No. 1		Section 30-175-26E, Eddy County, NM SPUD DATE 2-8-80
COMPLETION DATE 3-9-80	COMPLETION DEPTH 8365-8373' FORMATION	Morrow DATE FIRST SALES None to date
	SS SECTION COMPLETION COMPLETION SEGMENT DEPTH ZONE	COMMENTS
7. Coquina Superior Federal No. 2 Section 1-185-25E 1980' FSL, 1930' FWL 12-6-73 (3-20-74)	IV 8434-45' Morrow	The Superior Federal No. 2 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Superior Federal No. 2 is located 2.3 files from the subject well and is separated from the subject well by five wells, the Patterson "EL" No. 1, Patterson "EL" No. 2, Haldeman "EN" No. 1, Arco "EC" St. No. 2, and the Superior Fed. No. 1, all of which have been proven in this report not to be in communication with the subject well.
8. Yates Petroleum Corporation Haldeman "EN" No. 1 Section 31-175-26E 1980' FNL, 660! FWL 7-12-75 (8-24-75)	V 8387-8412' Horrow	The Haldeman "EN" No. 1 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, on 5-9-79, after producing 1,812,219 mcf, the BHP of the Haldeman "EN" No. 1 was 1569 (BHP Survey attached) which is in contrast with the subject well's virgin BHP of 3532 proving no communication with the subject well. The Haldeman "EN" No. 1 is .8 miles from the subject well.
9. Yates Petroleum Corporation Arco "EC" State No. 2 Section 35-175-25E 1980' PSL, 1100' PEL 10-16-75 (12-2-75)	V 7988-7986' Strawn	The Arco "EC" State No. 2 has no sands capable of commercial production that correlate with the subject well's completed reservoir. The Arco "EC" State No. 2 is 1.2 miles from the subject well.
10. Superior Johnson Com No. 1 Section 2-18S-25E 2080' FSL, 660' FEL 9-6-73 (11-1-73)	V 8380-8423' Norrow	The Johnson Com No. 1 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Johnson Com No. 1 is 2.7 miles from the subject well and is separated from the subject well by the Arco "EC" State No. 2 and the Haldeman "EN" No. 1, both of which have been discussed herein and proven to have no communication with the subject well.

	RESERVOIR COMPARISO	NS - OFFSET WELLS	- APPLICATIO	ON FOR SEC. 102 NEW RESERVOIR CATEGORY PAGE 3 OF 6
SUBJECT WELL Goat Roper "LP" Com No.	1 OPERATOR Yat	es Petroleum Corp.	LOCATION	Section 30-17s-26E, Eddy County, NM SPUD DATE 2-8-80
COMPLETION DATE 3-9-80	COMPLETION DE	PTH 8365-83731	FORMATION	Morrow DATE FIRST SALES None to date
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7. Coquina Superior Federal No. 2 Section 1-185-25E 1980' FSL, 1980' FWL 12-6-73 (3-20-74)	IV		Morrow	The Superior Federal No. 2 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Superior Federal No. 2 is located 2.3 miles from the subject well and is separated from the subject well by five wells, the Patterson "EL" No. 1, Patterson "EL" No. 2, Haldeman "EN" No. 1, Arco "EC" St. No. 2, and the Superior Fed. No. 1, all of which have been proven in this report not to be in communication with the subject well.
o. Yates Petroleum Corporation Haldeman "EN" No. 1 Section 31-175-26E 1980' FNL, 660' FWL 7-12-75 (8-24-75)	<b>V</b> .	8387-84121	Norrow	The Haldeman "EN" No. 1 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, on 5-9-79, after producing 1,812,219 mcf, the BHP of the Haldeman "EN" No. 1 was 1569 (BHP Survey attached) which is in contrast with the subject well's virgin BHP of 3532 proving no communication with the subject well. The Haldeman "EN" No. 1 is .8 miles from the subject well.
9. Yates Petroleum Corporation Arco "EC" State No. 2 Section 36-175-25E 1980' PSL, 1100' FEL 10-16-75 (12-2-75)	v	7988-7986 ¹	Strawn	The Arco "EC" State No. 2 has no sands capable of commercial production that correlate with the subject well's completed reservoir. The Arco "EC" State No. 2 is 1.2 miles from the subject well.
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	RESERVOIR COMPARIS	ons - offset well	S - APPLICATI	ON FOR SEC 102 NEW RESERVOIR CATEGORY PAGE 3 OF 6
SUBJECT WELL Goat Roper "LP" Com No.	OPERATOR Ya	tes Petroleum Corp	LOCATION	Section 30-17s-26E, Eddy County, NM SPUD DATE 2-8-80
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Section 2-18S-25E 2080' FSC, 660' FEL 9-6-73 (11-1-73)				pleted Morrow reservoir. However, the Johnson Com No. 1 is 2.7 miles from the subject well and is separated from the subject well by the Arco "EC" State No. 2 and the Haldeman "EK" No. 1, both of which have been discussed herein and proven to have no communication with the subject well.



207 SOUTH FOURTH STREET ARTESIA. NEW MEXICO 88210 TELEPHONE (505) 746.3558

Mr. Joe Ramey, Director Oil Conservation Division Energy and Mienrals Department

Santa Fe, New Mexico 87501

P. O. Box 2088

April 17, 1980

Re: Application for New Onshore Reservoir NGPA Sec. 102 (c)(1)(C) Yates Petroleum Corporation Goat Roper "LP" Com No. 1

S. P. YATES PRESIDENT MARTIN YATES, III VICE PRESIDENT JOHN A. YATES VICE PRESIDENT W. HARPER SEC.-TREAS.

Gentlemen:

Please find enclosed pursuant to the NMOCD SPECIAL RULES FOR APPLICATIONS FOR WELLHEAD PRICE CEILING CATEGORY DETERMINATIONS, Rule 14, and application for a New Onshore Reservoir Determination for the referenced well.

We enclose the following:

- (1) Commission Form 121
- (2) Division Form C-132 with required attachments
- (3) Geological and engineering information:

(a) well	logs: X-Secti	on I thru XI
DECEIVED		
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OIL CO. IST MATER PROPERTY		
SANTA FE		
		NM OCD CASE #6917
		Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation EXHIBIT #2
		EXHIBIT #2

(b) Pressure surveys:

Goat Roper BHP Survey 3-15-80
Armstrong CT BHP Survey 9-8-78
Patterson EL #2 BHP Survey 7-31-79
Haldeman EN BHP Survey 5-9-79
Jackson GM BHP Survey 4-14-78

- (c) Well potential test, see Form C-105 attached to form C-132.
- (d) Formation structure map with wells located around subject well
- (e) Subsurface cross section chart
- (f) Gas analysis
- (g) Reservoir comparisons:
  - (1) Discussion of subject well
  - (2) Discussion of offset wells with attachments if needed
- (4) Statement Under Oath with attachments if needed.

Very truly yours,

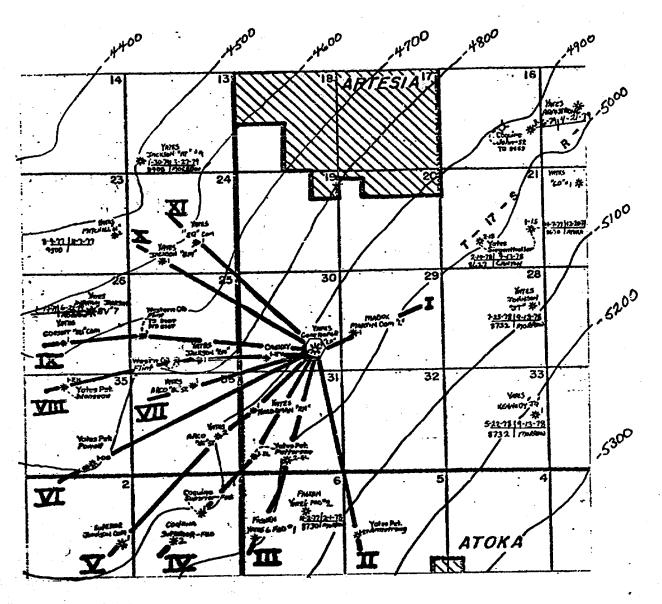
YATES PETROLEUM CORPORATION

B. W. Harne

Secretary-Treasurer

BWH/ej

**Enclosures** 



SPUD DATE | COM. DATE

TOTAL DEPTH | PROD. ZONE

SCALE 1" = 5000'

DIP ON MORROW CLASTICS APPROXIMATELY 150' - 200' PER MILE TO SOUTHEAST

YATES PETROLEUM CORPORATION ARTESIA, NEW MEXICO GOAT ROPER "LP" COM NO. 1 SECTION 102 APPLICATION (NGPA) APRIL 17, 1980

NM OCD CASE #6917

Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation

EXHIBIT #3

SHHIO' I

CASE #6917 Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation EXHIBIT #5

NEW MEXICO EAGLE CREEK FIELD Well: MADDO X-ENERGY CORP. 1 Martin Com. "L" -- 1 mi S/Artesia; 1980' FSL 660' FWL Sec 29-17S-26E; Loc'n: Spud: 2-10-77; Comp: 5-23-77; Elev: 3401' Grd; TD: 8600' Miss; PB: 8010'
Casing: 13-3/8" 345'/400 sx; 8-5/8" 1376'/1200 sx; 4-1/2" 8600'/925 sx;

Prod. Zone: (Strawn) T/Pay 7919', Prod thru Perfs 7919-24'

IPF: 87 MCFGPD, 1/4" ch, OOR TSTM, Grav NR, CP Pkr, TP 45#

Comp Info: Ran CNL, DILL, PDC; Perf (Morrow) 8363-67'w/2 SPF; A/1600 gals; PB

8010', Perf (Strawn) 7919-24' w/2 SPF; A/1600 gals; F/@ 160 MCFGPD, 1/4" ch,
Frac w/12,000 gals + 10,000# sd; F/@ 87 MCFGPD, 1-1/2" ch, TP 2050#; A/
750 gals; F/170 MCFGPD, 1/4" ch; C/KMA Drlg.

Tops: (EL) San Andres 845', Glorieta 2283', Abo 4237', Wolfc 5400', Canyon
7368', Strawn 7611', Atoka 8045', Morrow 8300', Mississippian 8566'

API No: 30-015-22046 © COPYRIGHTED 1978
REPRODUCTION PROHIBITED Replaces Card #9, Dated 11-16-77 to show correct results & field name; Petroleum Informations

Date: 8-16-78

Card No.: 32

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PATE OF TEST	HOURS TESTED	CHO	KE SHE	TEST I	. FOR	OIL-BE	II.	GAS-	-NCF.	WATER-BBI		GAS-OIL BATIO
2-1-78	24				<del>&gt;</del>	<u> </u>			1260	:		
FLOW, TURNS PRESS.	CANING PRESSE		CULATED OUR BATI	0117-1	81.		S-XC		. WATER	-RBL	016	GBAVITY-API (CORE.)
200井 84. DIAPOSITION OF G	PKr	levl	ted etc.				126	0		TEST WITHE	1877	
		. ,, von			.s					Harvey		* :
35 LIST OF ATTACH	MENTS			Zente		<del></del>		<del></del>	<del></del>	INDTACA	נגיים.	<u> </u>
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			-		•		•		•		•.
36. I heroby correct	that the forego	ios and at	tached in	cormation	is comp	lete and o	339110	as deter	mined from	all available s	ecord	3
SIGNED	(17th -	1-1218.	20	ביזי ל_	ile	Geo	1.	Secty	7	DATE	2 _	2-24-78
•	*(Se	e Instruc	tions ar	d Space	s for A	Addition	el Da	ita on R	everse Si	de)		•

		VELL COMPL	L TIÓN C	R REC	OMPLETIC	N KEI'W	אאט געי	3) 3. More C	l A (St. Laise Lo.
CE .		i ich	•	•	ä	ECEI	VED		
OF WELL	<u> </u>					JUN 29	1978		meant tama VIIIIVI
THE OF COMPLE	TION	Well Well		***		3014 P.O		H. Form or	Letse tame
### D ###	Beere			<b>**</b> ×		D. C.	C.		ong CT Com
Yates Peti	roleum Cou	rnoration				ARTESTA, U	FFICE	9, Well 110.	1
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207 South	4th Stree	et - Arte	sian,	EM :	88210				Creek Strawn
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Date Spudded 6-3-73	} "	i i						GR. etc.) 12.	Elev. Cashingheus
Total Depth	7-2-73	1 6.	-22-78		le Cempl., Ho	3397' KI	rvels i hote	cy Poels	. Sesie Tools
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Producing Interval(s	), of this completi	ien – Tep, Balle:	n, Nome	•		•			25, Was Directional Sur
		.6° & 8050	0-561	Stra	awn	•		••	No
Type Electric and O	ther Logs Hun CNL/FDC,	ייי די				,			ios Well Cried
<u> </u>	CRIJEDC,		SING RECO	)RD (Rec	out all string	s set in well)			No
CASING SIZE	VEIGHT LB.				E SIZE		ENTING REC	CORD	AMOUNT PULLE
13-3/8"	48#	504			1511	400	sx		
8-5/6" 4½"	24#	1318			14"	700		<u>-</u>	
42	11.6&10	).5‡ 882 <u>5</u>	2	7-	-7/8"	275	sx		
•	LI	NER RECORD	<del></del>			50.		TUBING REC	ORD
\$1ZE	ТОР	BOTTOM	SACKS C	EMENT	SCREEN	512.1		EPTH SET	PACKER SET
			}		<del> </del>	2-3/8	8"   8	3087	8091
Printeration Record (/	laterral, site and	number)	<u> </u>	<u></u>	32.	ACID SHOT	FRACTURE	CEMENT SO	UEEZE, ETC.
<b>8</b> 12 <b>2</b> -26' (	•					INTERVAL			ND MATERIAL USED
<b>8</b> 050-56' (	, N	(Total 2	0 .34	" hol	.es)			······································	
•	•	•			8122-	26&8050-		<del></del>	
		•		•	8056			gal 15%	DS-30 Acid
					אסודטע				
6-22-78	Produc	tion Kethad (Flor Flowing			ling – Size an 16 C – A	d type pump)	•	Produ	s (I'nd. or Shut-in) Icing
	Hours Tested	Choke Size	Proffs. Test Pe		CII - 11bl		•	ter – libl.	Gos - Oil Hotto
22-78	24	1/2"				800			]
	Caseng l'ressure Pkr	Calculated 24	-   Oil = 191  -		800		L'ater — 1441.	\ \frac{1}{2}	Covery — Air (Coee.)
	mir, marri jur juri	Sold				<u></u>	. 1	at Witnessed I	
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	ner sugmentation of	ings on both side	a of this fo	ım is ten	r and complet	e to the best o	oj sav knometer	dge <b>yn</b> d belsej	
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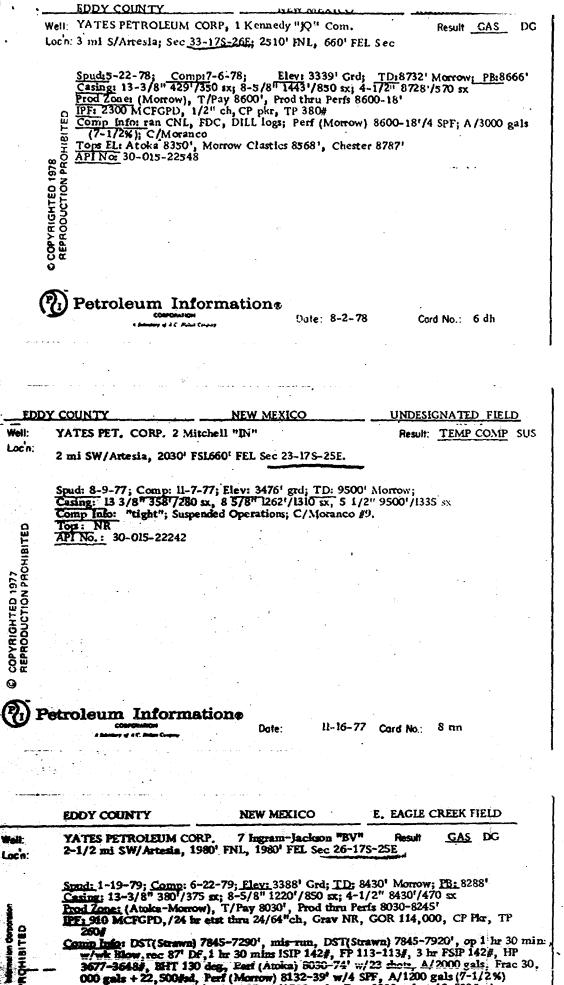
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Application of the second	ACCCIVI	·•   -	<b>-</b> ].		. :				( .:		bim C-105 evined 1-1		
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	TYPE OF WELL			3	/ <del></del>			O C !	<del></del>	7. Un	II Ayreeme	ent Hame	7777
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	Yates Petro	leum C	orpo	ration	·						1.		
-	207 South 4	th Str	cet-	Artesi	a, NM	882	10				leld end P .ldcat	ool, or Wildcat	
	Locution of Well	00		•	t tita			660					
7	MIT CETTER	LOCATED	1900	PEET P	ROM THE	Doge	TILL AND	7877	m	12. C	onuth	HHH	////
	ne West Line of : 5. Date Spudded 6. 3. 7.2	16. Date T	.D. React	185 ^ ec	Compl. (R	eady to l	rod.) 18. E					v: Cashingheud	
	6-3-73 9. Total Depth	21	. Plug Ba	ick T.D.	22.		e Compl., How	412 K		Rotary Tool:		3597 Cable Tools	
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			-	3619		:c- -	7557 7 20-3 3		• • •	· · · · · · · · · · · · · · · · · · ·	\ . ¥	No	
	6. Type Electric and O			og, CNL				· · · · · · · · · · · · · · · · · · ·				Vell Cored	
	CASING SIZE	WEIGHT	LB./FT.				orf all strings			G RECORD		AMOUNT PUL	LED
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			1 10.55	RECORD					•	710111	250000	•	
Ŧ	size	TOP		BOTTOM	SACKS C	EMENT	SCREEN	30. St	ZE	DEPTH S	RECORD	PACKER SE	т
								2-3,		8351		8269	
L	L Perforation Record (	Interval size	a and ann	ber)			32.	ACID, SHO	r. FRACT	TURE, CEME:	T SOUEE	7F. ETC.	
. į	<b>8455-</b> 60 - 1				•		DEPTH	INTERVAL		AMOUNT AN	D KIND	ATERIAL USE	
88	Re-perf. 83			nots:849	99-850	03-	8455-6	0		<del></del>		% MS W/	
	5 shots:856						8381-	8619				bls KCl 0-40 sd 8	
	shots.		·							000g NS			
- 4	First Production	-   P	roduction	Method (Flou	ing, gas l		UCTION ing — Size and	type pump	<del>,                                      </del>	Well	Status (P.	rod. or Shut-in)	<del></del>
	8-17-73	. ]		···F	Lowing	3		<u> </u>	•	sı	WOPL	connect	ion
A SHOW.	18-18-73	Hours Test		Choke Size	Prod'n. Test Pe	riod	Оп — ВЫ. О	Gas -	)	Water · · Bb		s=Oll Rullo = vily = API (Con	
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	Blom of Gen (		4		Pipeli	ine c	onnecti	on is	made	Test Wilnes	sed By		
	Adeptoruets DS	T's an	d Dev	viation	Surve	<b>≥</b> Y				•			
	Cu	ike informati	le (1)	on both side			e and complete Engine		t of my ki		8-3	10-73	
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· 新聞的 State Control State Con		, s. s		e e e			,		****	
		VELL COMP			NSERVATIO COMPLETIO				State	the Type of Least Fee X Off A Gas Lease to.
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TYPE OF COMPLE	CTION									or Lience thine
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serres B	6	60		Sout	h		2310	##£# ###\*		
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	sec. 31			HAPM		7//			Eddy	
Date Spudded L2-28-78	1-30-79	i			1				K. etc.) 1	3. Elev. Costingtees
Total Capth		Bark 7.3.	2-15-7	H Melin;	ie Compl., Ha	.w.	34221 (	els , heter	y Tools	, Cable Tools
TD 8942'		9281	·	Many .			Dalle		-8942	
Producing Interveils	i), of this complete	on – Tep, kotta	m, Name			;		:-		25. Was Pirerlianal Survi
•	8467-8497	' Morro	W					•		No
Type Electric and C	thet Logs Aun	<del></del>				. •		. •	27.	Was Well Carea
NL/FDC, DI	LL				•.					No
•			SING RECO	RD (Rep	ort all string	s sei	in well)			
3-3/8"	48#		H SET		715"			TING RECO	DRO	AMOUNT PULLED
1-5/8"	24#		274'		21/2	-	360 s	sacks		
<u> </u>	15.5&17		931'		-7/8"		550 s		··	<del> </del>
	T			•		•				
	<del></del>	ER RECORD	T				50.		UBING RE	-i
SIZE	TOP	BOTTOM	SACKS C	EMENT	SCREEN		2-7/8"		TH SET	PACKER SET
		<del></del>	<del>                                     </del>				2 7/0	+	<del></del>	0.73.
	laterral, size and i		2 )		32.	ACIO	D, SHOT, F	RACTURE, C	CEMENT S	QUECZE, ETC.
	w/16 .50"		_		DEPTH					IND NATERIAL USED
<b>491-8</b> 497'	w/12. 50"	holes (	2 spf)		8467-8	349	· / ·			MSA, 28500#
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					UCTION				· · · · · · · · · · · · · · · · · · ·	•
		Flowing	g			desp		•	SIVIC	
	Hous Tested	Show Size	Prodict	ricil	CII — Ybl.	. 1	Gas – Mi	. Water	~ 10d.	Cos - Oil Botto
	Committee	Calculated 2	1- 04 - in	~ ~ <i>~</i> ~ ~	TSTM - X	<u></u>	336	ter = 172-1.	ि	H Servity - Ai'l (Core.)
	FW	How itale	<u> </u>	`	2	710				<u> </u>
	See Jank	erned, etc.)	•		•			Test	Witnessed	liy
		Vented		l be	sold		·	ساللت	cvey V	pple
			DST		r und comple:		the base of	I p	·	
				ren (5 ii <b>h</b> t	. tades s.comlett.;	4- M)	THE PERCH	• •		
		in in 1	TITI	LC	Geol.	Se	cty	• •	DATE _2	2-27-79

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250 Comp Info: DST(Strawn) 7845-7290', mis-run, DST(Strawn) 7845-7920', op 1 hr 30 min: w/wk Hlow, rec 87' Df, 1 hr 30 mins ISIP 142#, FP 113-113#, 3 hr FSIP 142#, HP 3677-3648#, EHT 130 deg, Earf (Anoka) 5030-74' w/23 deep, A/2000 gals; Frac 30, 000 gals + 22,500#sd, Perf (Morrow) 8132-39' w/4 SFF, A/1200 gals (7-1/2%) Perf (Morrow) 8236-45' w/ 2 SFF, A/1500 gals, Frac 9000 gals + 10,500# sd, ran CNL, FDC, DHL, logs, C/Landis #4

Reps. (EL) San And 770', Glorieta 2114', Abo 4120', Wolfe 5325', Penn 6498', Canyon 7235', Strawn 7616', Atoka 7950', Morrow 8125', Chester 8312' Replaces card #7:dated 4-11-79 for well results; Orig Suspended Completion.

Informatione

Date:

EAGLE CREEK FIELD NEW MEXICO **EDDY COUNTY** YATES PETROLEUM CORP. 1 ARCO "EC" State OWWORssult: GAS DC 2 mi SW/Arteda, 660' FNL, 2310' FEL Sec 36, 175-25E.

(Orig comp 5-29-75 thru (Morrow) Perfs 8338-65', OTD 8678', OPB 8610'; OWWO E Re-comp 2-28-78 thru (Strawn) Perfs 7952-78', OTD 8678', OPB 8043") Well: Lec'n: Spud: 3-20-79; Comp. 7-11-79; Elevi 3453' Grd; TD; 8678' Miss; PB: 8043' Cadrg; 12-3/4" 376'/250 sx; 8-5/8" 1276'/1150 sx; 5-1/2" 8678'/200 sx Prod Zone: (Permo-Penn), T/Pay 6534', Prod thru Perfs 6534-6692' IPF: 395 MCFGPD/24 hr test thru 1/4"ch, Grav NR, GOR NR, CP NR, TP NR Comp Info: Set RBP @ 7884', Perf (Csg Sqzd) @ 7750' w/4 shots, Sqzd 7750'/350 sx, Perf Permo-Penn) 6534-41', 6546-50', 6608-17', 6681-92' w/2 SPF, A/8000 gals Tops: NR API No: 30-015-21472 (Pi) Petroleum Information Date: EAGLE CREEK NEW MEXICO EDDY COUNTY YATES PETROLEUM CORP. 1 ARCO "EC" State OWNO GAS DG 2 mi SW/Artesia,660'FNL,2310'FEL Sec\_36-17S-25E (Orig comp 5-19-75 thru(Morrow)Perfs 8338-65',OTD 8678',OPB 8610'; OWWOSRe-cmop 3-28-79 thru (Strawn) Perfs 7952-78', OTD 8678', OPB 8043') Spud:6-30-79; Comp:7-11-79; Elev: 3453'Grd; TD: 8678'Miss; PB: 6728' Casing: 12-3/4"376'/250sx; 8-5/8"1276'/1150sx; 5-1/2"8678'/200sx Prod Zone: (Permo-Penn), T/Pay 6534', Prod thru Perfs 6534-6692' IPF: 395 MCFGPD/24 hr test thru 1/2"ch, Grav NR, GOR NR, CP Pkr, TP 63# Comp Info: PB to 6728', Perf (Permo-Penn) 6534-41; 6546-50; 6608-17; 6681-92',A/8000 gals,C/NR Tops:NR API No: 30-015-21472 Petroleum Informatione 11-21-79 EDDY COUNTY EAGLE CREEK FIELD NEW MEXICO YATES PETROLEUM CORP, 1 Arco "EC" State OWWO GAS DG Result 2 mi SW/Artesia; 660' FNL, 2310' FEL Sec; 36-17S-25E; (Orig comp 5-29-75 thru Morrow peris 8338-65, OTD 8678', PB 8610') Loc a

Spud: 3-20-79; Comp: 3-28-79; Elev: 3453 Grd; TD: 8678 Miss; PB: 8043 Miss; PB: 8043 Miss; Spid: 25 Miss; Spid: 25 Miss; Spid: 8678 Miss; PB: 8043 Miss; Spid: 8678 Miss; PB: 8043 Miss; Spid: 8678 Miss; PB: 8043 Miss; PB: 8043 Miss; Spid: 8678 Miss; PB: 8043 Miss; PB: 8043 Miss; Spid: 8678 Miss; PB: 8043 Miss No 30-015-21472

troleum Informations

Date: 4-25-79

Cord No.: 3 dh

EDDY YATES PETROLEUM CORP. 30-015-21680 Caskey 'EV" Com. Sec 30, T17S, R26E 660' FSL, 1400' FWL of Sec 2 mi S/Artesia WSD 1-14-76 11-19-75 🚙 13 3/8" at 360' w/250 sx 848 8 5/8" at 1282' w/600 sx 4 1/2" at 8451' w/470 sx 8570' (MSSP)

IP (Atoka) Perfs 8015-8166' F 4660 MCFGPD + 4 B Cond. Pot based on 3 hr test thru 1/2" chk. GOR 105,820; Grav (Cond) 53; TP 725#

8950' RT 3428' GL

F.R. 11-24-75

(Morrow)

AMEND FIELD NAME: Formerly reported as 2-14-76

Undesignated

12-3-75 Dr1g 6485'

Dr1g 8045' 12-10-75

TD 8570'; "Tight" 12-17-75

TD 8570'; PBD 8451'; Comp (Hold for Information) 2-2-76

DST (Strawn) 7784-7910', Mis-Run DST (Strawn) 7790-7910', open 1 hr 30 mins, GTS in 7 mins, rec 295' DM, 1 hr ISIP 2944#, FP

140-140#, 3 hr FSIP 2979#, HP 3576-3451# DST (Atoka) 7994-8045', open 3 hrs, GTS immed, no gge, rec 180' Cond + 657' Cond & GCri, 1 hr 30 min ISIP 3039#, FP 239-425#, 5 hr FSIP 3013#, HP

3643-3535#, BHT 134 deg

EDDY YATES PETROLEUM CORP. Wildcat

MM Page #2

1 Caskey "EV" Com.

Sec 30, T17S, R26E

Continued

Perf (Atoka) 8015-34', 8140-46', 8160-66'

w/4 SPF

Acid (8140-66') 2000 gals

Frac (8140-66') 16,000 gals + 21,000# sd

Acid (8015-34') 2000 gals

Frac (8015-34') 22,500 gals + 30,000# sd

TO 8570': PBD 8451'; Complete

Atoka Discovery in Undesignated Morrow Field,

Mo Suggested Field Name

HOS TOPS: San Andres 848', Glorieta 2239',

Abo 4211', Wolfcamp 5362', Cisco 6680', Strawn 7580', Atoka 7985', Morrow Clastics

298\*, Chester 8484'

COMPLETION ISSUED

2-2-6 NM

> F.R. 5-19-75 (Morrow) AMEND FIELD N

AMEND FELD NAME: Formerly reported as Atoka, W. AMEND LEASE NAME: Formerly reported as Monseau

"DK" Fee Com.
TD 3263'; Trip

6-3-75 Drlg 6270' 6-10-75 Drlg 8050'

9-20-75 6-9-75

5-28-75

DST (Cisco) 6392-6686', open 1 hr 30 mins, GTS 22 mins, @ 265 MCFGPD, rec 540' HGCM + 390' DM, 1 hr 15 min ISIP 2360#, FP 350-524#, 2 hr FSIP 2360#, HP 3009-2939#
DST (Strawn) 7939-8028', open 1 hr 30 mins, GTS

DST (Strawn) 7939-8028', open 1 hr 30 mins, GTS 22 mins, No gauge, rec 510' Sli GCM, 1 hr 15 min ISIP 2868#, FP 105-110#, 2 hr FSIP 2868#, HP 3713-3713#, BHF 140 deg

9-3-3 NM

Wildcat NM

\*\*MTRS PETROLEUM CORP. 1 Manseau "EK" Fee Com.

Sec 35, T175, R25E Page 2

TD 8455'; WCCU "Tight"
TD 8455'; \$I "Tight"
TD 8455'; PBD 8190'; Complete
Perf (Strawn) 8003-19' w/4 SPF
Acid (8003-19') 1500 gals
Fric (2003-19') 10,000 gals wtr + 20,000# sd
Strawn Discovery, No Suggested Field Name
LCS TOES: San Andres 792', Glorieta 2160',
Abb 4140', Wolfcamp 5308', Cisco 6447', Lower
Canyon 7336', Strawn 7780', Atoka 8106'
CCMPRETION ISSUED

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Amende a marine
                         mas Undesignated
                                                         <u>-30-015-21559</u>
      EDDY
       WESTERN OIL PRODUCERS, INC.
                 Flint
       Sec 25, T-17-S, R-25-E
       660' FSL 2310' FWL of Sec
        2 mi SW/Artesia
                      8-14-75
        6-13-75 00
                                               DATUM
    12 3/4" at 504' w/400 sx
8 5/8" at 1261' w/1160 sx
     5 1/2" at 8508° w/575 sx
                                  10,243' (DVNN) - 8462'
     IP (Morrow) Perfs 8250-60' CAOF 17,025 MCFGPD. GOR Dry; Grav
(Gas) .655; SIWHP 2119# (@...)
     Red - 6627 - 31. 6563-67 6722 7 1.512-18 whom I pt ) show
    10 03: 10 1. 12 Re-long 12-7-77
                                                            9100' RT
         WEK END'S CIECE POWNS PLAN OFFICER 3460' GL
                     F.R. 6 9 75
                     AMEND FIELD NAME: Formerly reported as
                     AMEND FOOTAGE: Formerly reported as 330' FSL,
       11-1-75
       6:23-75
                      2310' FUL of Sec
                      TD 1260'; Drlg Cmt
        6-17 75
                      Drlg 3990'
        6-23-75
                      Drlg 6818'
        6-30-75
                      Dr1g 8440'
                      DST (Morrow) 8190-8540', open 1 hr 30 mins, GTS
        7-7-75
                      Drlg 9520'
        7-15-75
                       in 3 mins, rec 200' GCM, 2 hr ISIP 2728#, FP
                       350-279#, 4 hr FSIP 2833#, HP 3959-3959#
                                                       11-1-3
                                 Undes ignated
                                                            Page #2
         WESTERN OIL PRODUCERS, INC. 2 Flint
                                 Sec 25, T178, R25E
                       DST (Devonian) 9110-35', open 30 mins, no
         7-15-75
                       rec, 1 hr ISIP 2756#, FP 33-46#, 2 hr FSIP
                       2254#, HP 4262-4217#
                       TD 10,243'; "Tight"
         7-21-75
                        TD 10,243'; PBD 8508' Completing "Tight"
1D 10,243'; PBD 8462'; Complete (Hold for info)
Perf (Morrow) 8250-60' w/2 SPF
         7-28-75
          8-4-75
         10-13-75
                        Acid (8250-60') 2000 gals
                        Frac (8250-60') 70,000 gals + 49,000# sd
TD 10,243'; PBD 8462'; Complete
          10-27-75
                        (Morrow) FOUR POINT GAUGES:
                        Flwd 2060 MCFGPD, 13/64" chk, 60 mins, TP 1976#
                         Flwd 1446 MCFGPD, 11/64" chk, 60 mins, TP 1968#
           10-27-75
                         Flwd 961 MCFGPD, 9/64" chk, 60 mins, TP 19884
                         Flwd 759 MCFGPD, 8/64" chk, 60 mins, TP 2022#
                         LOG TOPS: San Andres 810', Glorieta 2180',
Tubb 3422', Abo 4138', Cisco 6427', Canyon
                         6697', Atoka 7863', Mississippian 8420',
                          Devonian 9100'
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COMPLETION ISSUED

11-1-75

FDDY

YATES PETROLEUM CORP.

Sec 25, T-17-S, R-25-E

660' FSL, 1980' FEL of Sec

2 ml SW/Artesia

6-15-75 7-19-75 PL CAMB. FIT D PARTICIAN OF DG

12 3/4" at 363' W/250 sx

8 5/8" at 1276' W/900 sx

5 1/2" at 8512' W/165 sx

FORMATION

POWNER OF THE SEC

(Morrow) TD 1280'; Rng 8 5/8" csg Drlg 4130' 6-18-75 6-23-75 Drlg 7880' 7-1-75 TD 8530'; "Tight" TD 8530'; "Tight" 7-14-75 7-28-75 No Cores or DST's TD 8530'; PBD 8512'; Complete 9-15-75 Perf (Morrow) 8282-8370' w/4 SPF Natural LOG TOPS: San Andres 803', Glorieta 2205', Abo 4172', Wolfcamp Lime 5323', Lower Canyon 7295', Strawn 7743', Atoka 8050', Morrow Clastics 8240', Chester 8480' 9-20-75 COMPLETION ISSUED 9-3-2 NM

F.R. 6-16-75

COUNTY BDDY PRIO WILL	© Copyrighted Reproduction Proteins							
WESTERN OIL PROD. INC		AM 30-015-21055						
NO. 1 LEADE FILTE		SERIAL						
Sec 25, T-17-S, R-25-E			MAR					
1980' FSL, 660' FWL of	Sec	CO-ORD						
	(	CLABS DG	ELEV	LA				
seo 2-6-74 cme 4-18-74	PORMATION	DATUM	PORMATION	DATUM				
:56	1	T		1				
12 3/4" at 600 w/500 sx	<u> </u>	1		<u> </u>				
8 5/8" at 1189" w/550 sx	<del> </del>			<del> </del>				
4 1/2" at 6900' w/600 sx	<del></del>	<del> </del>		† <del></del>				
	<b></b>			<b>†</b>				
· · · · · · · · · · · · · · · · · · ·	<del> </del>	<del> </del>		1				
•	TO: 85071 (	(STR)	Peo 66001	<del>1 </del>				

IP (Cisco) Perfs 6480-6534 CAOF 19,000 MCFGPD. CCR (Dry), Grav (Gas) .688 31WHP 1628#

NTR OPPS ELEV 3467 1 GL. 3482 1 DPO 8800 1

TYPE RT

F.R. 1-7-74
(Morrow)

3-1-74 Drlg 8150'

3-18-74 TD 8507', WOCU
DST (Atoka) miss-run
DST (Cisco) 6460-6707', open 1 hr 15
mins, GTS in 5 mins @ 482 MCFGPD, rec
990' GCDF, 1 hr ISIP 2142#, FP 714-485#,
2 ur FSIP 2019#
DST (Morrow) (NA)

4-22-74 TD 8507'; PB 6600'; SI WO Pipeline Conn
Perf (6480-6534') (overail)
Acid (6480-6534') 27 500 gals
FIWd 2.43 MMCFGFD, 16/64" chk

4-25-74 TD 8507'; PBD 6600'; WO Pipeline Conn

Wildcat NM
WESTERN OIL PROD., INC. #1 Flint Page #2
Sec 25, T17S, R25E

5-20-74 TD 8507'; PB 6600'; COMPLETE

Cisco FOUR POINT GAUGES:

Flwd 613 MCFGPD, 8/64" chk, 1 hr, TP 1621#

Flwd 971 MCFGPD, 10/64" chk, 30 min, TP 1610#

Flwd 1656 MCFGPD, 13/64" chk, 30 min, TP 1595#

Flwd 2476 MCFGPD, 16/64" chk 30 min TP 1560#

LOG TOFS: Glorieta 2170', Tubb 3470', Abo

4120', Cisco 6470', Canyon 6680', Atoka 7870',

Burnett 8380', Chester 8470'

Cisco Discovery

5-25-74 COMPLETION REPORTED

> F.R.C. 4-24-76 OWWO (Wolfcamp) (Orig. comp 12-5-75 thru (Strawn) Perfs 7792-7819', OTD 8420', OPB 7821') TD 8420'; PBD 7821'; Complete Perf (Wolfcamp) 6624-44' w/72 shots Acid (6624-44') 30,000 gals COMPLETION ISSUED

4=4=6 NM

4-19-76

4-24-76

Service OF MILES

8550' RT

test thru 1/2" chk. GOR TSTM; TP 63#

F.R. 9-22-75
(Morrow)

9-24-75
Drlg 2565'
10-2-75
Drlg 5783'
10-8-75
TD 7900'; Prep DST
10-14-75
TD 8420'; "Tight"

DST (Strawn) 7780-7900', open 1 hr 30 mins, GIS in 17 mins, rec 650' DM + 150' sli GCM, 1 hr 5 min ISIP 2048#, FP 176-228#, 3 hr FSIP 2400#, HP 3570-3505#

10-27-75
TD 8420'; PBD 7821'; WOCU "Tight"
1-19-76
TD 8420'; PBD 7821'; Complete (Hold for Info) Perf (Strawn) 7792-98', 7814-19' w/2 SPF Acid (7792-7819') 1500 gals
Frac (7792-7819') 12,000 gals + 20,000# ed

2-2-4 NM

EDDY YATES PETROLEUM CORP.

Undesignated 1 Gossett 'EU" Sec 26, T17S, R25E

NM Page #2

2-9-76

TD 8420'; PBD 7821'; Complete LOG TOPS: San Andres 792', Abo 4124', Wolfcamp 5323', Pennsylvanian 6535', Canyon 6684', Strawn 7515', Atoka 7930', Morrow Clastics 8202'

2-14-76 COMPLETION ISSUED

2-2-4 NM IC 30-015-70042-75 Petroleum Informatione

Date: 4-12-78 Card No.: 4 mm

Well: Lock: 1-mi SW/Artesia; Sec 24-175-25E: 660' FSL, 1650' FWL Sec

Space 8-27-76; Comp:11-3-76; Elev: 3468' Grd; TD:8383' Miss; PB:8340' Casing: 13-3/8" 318'/150 sx; 8-5/8" 1245'/810 sx; 4-1/2" 8377'/250 sx

Frod Zone: (Morrow), T/Pay 8120', Prod thru Perfs 8120-8278'

IFF: 2260 MCFGPD +9 B C 3/4" ch, Grav (cond) 55.6, GOR 241, 800-1, TP 140#

Comp Info: DST (Morrow) 8080-8178', op 1 hr 25 mins, GTS 5 min 6 stab @ 2022

MCFGFD 1/2" ch, SFF 306#, rec 590' GCDM w/trace cond, ISIP 3103#/1 hr, FP 524-568#, FSIP 3103#/2 hrs, HP 3936-3936#, BHT 132 deg; Perf (Morrow) 8120-26', 8144-62', 8268-74'/4 SPF/ A/1000 gals; frac w/5000 gals 6 1500# sd; ran CNDL, FDC, DILL logs; C/Ard; A/2500 gals

Tops El: San And 817', Glor 2219', Abo 4160', Wolfe 5375', Penn 6528', L/Canyon 7209', Strawn 7426', Atoka 7831', Morrow Clastics 8111', Chester 8286'

API Nos 30-015-21896

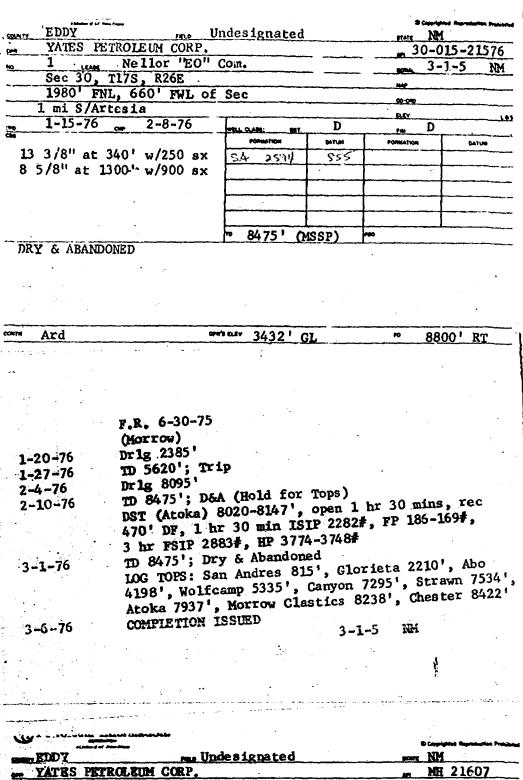
Petroleum Informatione

Date: 12-8-76

Card No.: 1 d

Date:

Petroleum Informations



1 City of Artesia "EQ" Com. 4-4-5 Sec 24, T17S, R25E 1650' FSL, 1980' FEL of Sec 1 mi SW/Artesia -11-15-75 DX **BATUR** 13 3/8" at 369 4/250 sx 8 5/8" at 1262 w/1325 sx 4 1/2" at 8277 w/545 sx → 8406' (MSSP) IP (Wolfcamp) Perfs 6530-6600' F 490 MCFGFD + trace wtr. Pot based on 24 hr test thru 1/2" chk. GOR dry; TP 68# (Morrow) Perfs 8133-39' No Change

> 6600 SWSERF 3450' GL

Spirit Mar 18 10; we speci F.R.C. 4-24-76 OWWO (Wolfcamp)

(Orig. comp 9-18-75 thru (Morrow) Perfs 8133-39',

OTD 8406', OPB 8243')
TD 8406'; PBD 8243'; Complete 4-19-76

Perf (Wolfcamp) 6530-40', 6595-6600' w/30 shots Acid (6530-6600') 14,500 gals

4-24-76

COMPLETION ISSUED

Well: YATES PET, CORP. 1 Lanning "JC" Com.

Result: GAS

Locn: 1 mi W/Atoka, 660' FNL 2310' FEL Sec 7-185-266.

Spud: 9-23-78; Comp: 11-7-78; Elev: 3417' grd; TD: 8810' Morrow; PB: 8683'
Casing: 13 3/8" 423'/300 sx, 8 5/8" 1335'/1010 sx, 4½" 8732'/325 sx

Prod Zone: (Morrow) T/Pay 8544', prod thru perfs 8544-97'
IPF: 900 MCFGPD, 1/2" ch, COR NR, Grav NR, CP pkr, TP 143#
Comp Info: No DST's; Parf (Morrow) 8544-97'; A/3000 gals (7½%); frac w/30,000 gals 6

42,000# sd; ran CNL, FDC & DILL logs; C/Moranco.

Tops: (EL) San And 887', Glor 2288', Abo 4305', Wolfe 5407', Cany 7460', Strawn 7525',

Aboks 8303', Morrow 8516' Atoka 8303', Morrow 8516' API No.: 30-015-22689

Replaces Card #13, dated 12-13-78 to show results of well from Temp Comp & lease from J. E. Lanning Com.

### (%) Petroleum Information

Date: 2-7-79

Card No.: 16 rm

**EDDY COUNTY** .. NEW MEXICO ATOKA FIELD MADDOX ENERGY CORP. 1 Spencer Com Well:

Loc'n:

Result GAS DG

2 mi N/Dayton, 1650' FNEWL's Sec 9-18S-26E.

Spud: 4-14-77; Comp: 8-1-77; Elev: 3377' grd; TD: 9003' Miss; PB: 8958'

Casing: 13 3/8" 375'/375 sx, 8 5/8" 1362'/1140 sx, 4 1/2" 9003'7600 sx

Prod Zone: (Morrow) T/Pay 8702', prod thru perfs 8702-35'

IP CAOF: 779, 000 CFGPD,GOR dry, Grav (gas). 611, SIWHP 2773#

Comp Info: DST (Morrow) 8670-9003', op 3 hrs 30 min, GTS 35 min @ 264 MCFGPD,

1/4" ch, rec 770' GCM (Sampler rec 2. 203 CFG @ 500#), 1 hr 30 min ISIP 3370#,

FP 300-485#, 9 hr FSIP 3667#, HP 4396-4396#, BHT 150 deg; DST (Morrow) 86609003', op 5 hrs, GTS 30 min @ 274 MCFGPD, 1/4" ch, rec 512' GCDF, (Sampler rec 2. 25 CFG), 1 hr ISIP 3769#, FP 388-539#, FSIP 3684#, HP 4388-4346#, BHT 147 deg; Perf (Morrow) @ 8702', 8704', 8706', 8733', 8734', 8735' w/1 SPI; S/44

BLW/4 hrs 30 min, S/dry; A/350 gals; F/75 MCFGPD, 3/4" ch; A/2000 gals; F/506

MCFGPD, FTP 68#; (Morrow) Four Point Gauges: F/121 MCFGPD, 0. 750" orifice, 60 min, TP 2470#; F/186 MCFGPD, 0. 750" orifice, 60 min, TP 2260#; F/336 MCFGPD, 0. 750" orifice, 60 min, TP 1924#; F/645 MCFGPD, 0. 750" orifice, 60 min, TP 1197#; C/Moran Drlg.

Tops: (EL) San And 1230', Tubb 3252', Abo 4370', Cisco-Cany 7658', Strawn 8053', Atoka 8487', Morrow 8690', Chester 8946'

API No.: 30-015-22121

### Protroleum Informatione

Date:

Card No.: 6 rm

EDDY COUNTY

NEW MEXICO.

EAGLE CREEK, E/FIELD

Well: Loc n: YATES PETROLEUM CORP, 9 Jackson "AT" Com.

Result OIL DO

1/2 mi W/Artesia; 660' FSL, 660' FWL Sec 13-17S-25E

Spud: 1-30-79; Comp: 3-27-79; Elev: 3465' Gtd; TD: 8400' Chester; PB: 8022' Casing: 13-3/8" 303'/375 sx; 8-5/8" 1206'/1300 sx; 5-1/2" 8400'/475 sx Prod Zone; (Morrow), T/Pay 7992', Prod thru Peris 7992-8007' BF: 250 MCFCPD 1/2" ch, CP pkr, TP 520# Comp later ran CNL, FDC, DILL logs; no cores or DSTs; Perf (Morrow) 10/ 7922-8507; frac w/40,000 gals & 23,000% sd and 8000 gals CO 2; C/Capitan #14 Tops FL: Cisco 6310', L/Canyon 7130', Strawn 7551', Atoka 7851', Morrow Clastics 7988', Chester API No. 30-015-22799

etroleum Informatione

Date.

Card No.:

A Statute of 10 Auton Property		•	<b>⊕</b> Copylgan	d Reproduction Francisco
ear EDDY re	<ul> <li>Undesignated</li> </ul>		STATE NM	<del></del>
YATES PETROLEUM COI			30-0	<u>15-21607</u>
City of Aı عبين	rtesia "EQ" Com.	·	sens 10-4	4-3 NM
Sec 24. T-17-S. R-2	25-E			
1650' FSL, 1980' F	EL of Sec			
1 mi SW/Artesia			Q.EV	
8-16-75 cm 9-18-7	5	D	DG	
	PORMATION	BATUM	PORMATION	CATUM
13 3/8" at 369' w/250 s	3X			
8 5/8" at 1262' w/1325	8x			
4 1/2" at 8277 w/545 a	sx	1		
	•	<del> </del>	<b> </b>	<del></del>
			<del> </del>	
	™ 8406¹ (	MSSP)	<b>№ 8243</b> 1	
IP (Morrow) Perfs 8133			B Cond. P	ot
based on 24 hr test thi (Cond) 54.2; TP 325#				
(outd) Jave, It Jest	•			

F.R. 8-18-75 (Morrow) 10-25-75 AMEND LEASE NAME: Formerly reported as City of Artesia "ED" Com. Drlg 855 8-18-75 8-26-75 Drlg 4036' 9-3-75 Drlg 7159! DST (Cisco) 6435-6650', open 1 hr 20 mins, rec 420' GCN, 1 hr 20 mins ISIP 2387#, FP 212-212#, 4 hr FSIP 2387#, HP 3079-3079# 9-22-75 "Tight" 9-29-75 TD 8406'; PBD 8243'; Complete (Hold for info.) Perf (Morrow) 8133-39' w/4 SPF Acid (8133-39') 1000 gals Frac (8133-39!) 10,000 gals + 15,000# sd 10-4-3 NM

EBDY YATES PETROLEUM CORP. Undesignated NM
1 City of Artesia "EQ" Com.
Sec 24, T17S, R25E Page #2

Chester 8264'

25-75 COMPLETION ISSUED

COUNTY EDDY reco Undesignated STATE NM PASKEN, DAVID API 30-015-21059 1 LEASE Yates "6" Federal Sec 6, T-18-S, R-26-E 1980' FSL, 660' FWL of Sec CO-ORD ecev 3443 SPD 12-19-73-- 3-21-74

CERT 13 3/8" at 509' w/1050 sx
8 5/8" at 1205' w/800 sx PORMATION 4 1/2" at 8595' w/275 sx TO 8710 IP (Atoka) Perfs 8231-41' CAOF 760 MCFGPD. GOR Dry; Grav (Gas) NA; SIWHP 1575# Harbol from State: Field called Eagle Creek Strawn OPRS ELEV 3436' GL 8800' TYPE RT F.R. 12-17-73 (Morrow) Drig 3770 1 1m 12-31-73 Drlg 6682' im & sh 1-7-74 TD 7140'; Prep Drill Ahead 1-10-74 DST 17106-7140', open 1 hr, GTS in 33 mins @ 35 MCFCPD, rec 280' G & Cond CDF + 645' GCW, 1 hr 30 min ISIP 2529#, FP 215-429#, 2 hr FSIP 2476# 1-21-74 TD 8710'; Prep Run Csg DST-8198-82461, open 2 hrs, GTS in 32 mins @ 316 MCFGPD, rec 188 G & Cond CDM, 1 hr 30 min ISIP 3000#, FP 88-225#, 4 hr FSIP 3000# Undesignated
1 Yates "6" Federal EDDY Page #2 FASKEN, DAVID Sec 6, T18S, K26E 1-21-74 Continued DST; (Morrow) 8434-88, open 1 hr, CTS in 28 mins @ 47 MCFGFD, 1 hr ISIP 1476#, FP 108-108#, 2 hr FSIP 2850# DST-8500-50', open 1 hr, GTS in 53 mins @ 36 MCFGPD, ree 60' GCDF, 1 hr 30 min ISIP 3135#, FP 43-57#, 2 hr FSIP 3418# TD 8710'; WOCU TD 8710'; PBD 8420'; Tstg 1-30-74 2-5-74 Perf (Atoka) 8231-41' w/4 SPF Acid (8231-41') 1000 gals Flwd @ 783 MCFGPD thru 3/4" chk, FTP 41# TD 8710'; PBD 8420'; SI PBU 2-11-74 TD 8710'; PRD 8420'; Tata Flwd 624 MCFGPD thru 3/4" chk, FTP 30#

TD 8710'; PBD 8420'; SI BPU TD 8710'; PHD 8420'; WO Pot TD 8710'; PBD 8420'; COMPLETE (Atoka) FOUR POINT CAUCES: Find 144 MCFGED, 1/16" chk, 1 hr, TP 1480# Flwd 225 MCFGPD, 3/32" chk, 1 hr, TP 1091# Fiwd 223 MCFGPD, 3/32" chk, I hr, TP 1091# Fiwd 248 MCFGPD, 1/8" chk, I hr, TP 660# Fiwd 570 MCFGPD, 3/16" chk, I hr, TP 674# LOG TOPS: San Andres 873', Gloricta 2323', Abo 4234', Wolfcump Lime 5677', Pennsylvanian Lime 7008', Canyon 7408', Struwn 7794', Atoka 8224', Morrow 8446', Missionippian Lime 8660' COMPLETION REPORTED

2-26-74 3-20-74

3-25-74

```
COUNTY EDDY
                          FELO Wildcat
                                                            STATE NM
       COQUINA OIL CORP.
                                                            <u>^-30-015-20874</u>
        1 LEASE Superior - Federal
       Sec 1, T-18-S, R-25-E
1980' FNL, 1980' FEL of Sec
                                                            ELEV 344
8P06-26-73 CMP 8-7-73
  13 3/8" at 501'
  8 5/8" at 1306' w/600 sx
4 1/2" at 8648' w/350 sx
                                      87001
  IP (Morrow) Perfs 8430-45' CAOF 4817 MCFGPD. GOR dry; Grav
  (gas) .635; SIWHP 2612#
      Moranco
                               3437' GL
                                                   PD 8800'
```

```
F.R. 6-11-73
(Morrow)

AMEND FIELD: Formerly reported as Atoka, W.

7-2-73
Drlg 2455'
Drlg 5463'

7-16-73
Drlg 7430'
DST'6868-6916', open 1 hr, GTS in 12 mins @ est
80 MCFGPD, rec 270' GCM & salt wtr+ 1280' GC salt
FSIP 2167#, HP 3229-3229#, FP 352-625#, 1 hr 30 min

7-24-73
Drlg 8563' Im & sh
DST'7885-7919', open 1 hr, rec 10' DM, 1 hr
ISIP 225#, FP 50-50#, 1 hr FSIP 364#, HP 3853-3789#
```

EDDY Wildcat NM Sec 1, T18S,R25E COQUINA OIL CORP. 1 Superior - Federal Page #2

DST<sup>3</sup>8405-66', open 1 hr, GTS in 5 mins @ 11,000 MCFGPD decr 10,500 MCFGPD in 5 mins & stab @ 9500 MCFGPD in 10 mins, rec 60' distillate + 5' mud, 1 hr ISIP 3290#, FP 1102-1287#, 2 hr FSIP 3290#, BHT 138 deg, HP 4041-4041#

8-6-73 TD 8700'; WOCU

8-13-73 TD 8700'; PRD 8648'; Proc Pat

8-6-73 TD 8700'; WOCU
8-13-73 TD 8700'; PBD 8648'; Prep Pot
Perf 8430-40', 8442-45' w/2 SPF'
CAOF 4820 MCFGPD

8-20-73 TD 8700'; PBD 8648'; WO Pot
8-27-73 TD 8700'; PBD 8648'; WO Pot

9-5-73

TD 8700'; PBD 8648'; COMPLETE

(Morrow) FOUR POINT GAUGES:

Flwd 1526 MCFGPD, 2.5" Orifice, 2 hrs, TP 2312#

Flwd 2098 MCFGPD, 2.5" Orifice, 2 hrs, TP 2095#

Flwd 2713 MCFGPD, 2.5" Orifice, 2 hrs, TP 1861#

Flwd 3259 MCFGPD, 2.5" Orifice, 2 hrs, TP 1592#

LOG TOPS: San Andres 800', Glorieta 2128', Tubb

3540', Abo 4114', Wolfcamp 5545', Fennsylvanian

6625', Morrow Sand 8345'

Morrow Discovery

9-8-73 COMPLETION REPORTED

Dietanienm into	rieco Mo	rrow, W.	<del></del>	STATE N	
	OIL CORP.		- <del></del>	API 30	-015-2103
Z LEASE	Superior Fed -18-S, R-25-E	cral		SEMAL	
	L, 1980' FWL			CO-GRD	
	-, 1,00 1		LASS G		
12-6-73cm		FORMATION	DATUM	FORMATION	MUTAG
	495' w/550 sx				
	256' w/558 sx				
5 1/2" at 8	677' w/450 sx		L		
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )				·	<del>-  </del>
gradi Se	•	10 86771	L	P00 8555¹	<b>L</b>
IP (Morrow)	Perfs 8434-4		9 MCFGPD		A; Grav
(Gas) .626;	(Cond) 58; S	IWHP 2595#			
					i i
ra Cactus	OPRE ELEV 34	47' GL	PO	8800'	TYPE RT
	The second secon		10)	•	* * * * * * * * * * * * * * * * * * * *
	-				
	- -				
	F.R. 12-3-73				
10 10 -0	(Morrow)	_			
12-13-73	TD 1256'; WO				
12-19-73 1-3-74	Drlg 3140' 1				
J=/4 °	TD 8622'; SD			mo , ^	, -
	DST 8395-857 4200 MCFGPD,	-, open 45	mins, G	TS in 2	mins@
	ISIP 3663#,	FP NA 2 K~	PCID 24	7 GUM, L 27∦ Im	00 4 1 1 1
	4100#, BHT 1	, 2 IIE 35 dee	FOTE 36	EIT, AF	4 T L 1 -
1-10-74	TD 8622'; SD	WOO			
1-16-74	TD 8677': PB	D 8555': Pr	ер Сомо		
1-23-74	TD 8677'; PB	D 85551: Pr	ep Pot		
	Peri 8434-844	45' w/l6 sh	ots (ove		_ ≝
	Flwd 4000 MC	FGPD + 5 B	Cond thr	u 24/64 <sup>Th</sup>	chk,
	FTP 2025#				
				*	
	-				
•	1 :				
		4		. •	
BDDV		mm.ee. *1			
EDDY	:	rrow, W.	ade - 1	N.	M age #2
COQUINA OII	1 1	Superior F c 1, T18S,		r	28c 1/4
	. oe	· 1, 1100,	A. 40		
1-30-74	TD 8677'; PB	D 85551: WC	Pot		
2-1-74	TD 8677'; PB	D 8555': WO	Pipelin	e Conn	
. =	Acid (8434-8				
* · · ·	CAOF 5629 MC		- '	•	
4-8-74	TD 8677'; PB		mplete		
	(Morrow) FOU	R POINT GAU	GES:		
	F1wd 2503 MC	FGPD, 2.25"	orifice	, 90 min	s, TP
	980#	2010. J. <b>S</b>			
e de la companya de l	Flwd 2272 MC	FGPD, 2.25"	orifice	, 90 min	s, TP
	1499#				
	F1wd 2053 MC	FGPD, 2.25"	orifice	, 90 min	s, TP
•	1602#	BODD 9 05H	12	00	. mn
	Flwd 1831 MC 1210#	rgru, 2.25"	orilice	יו נמו טע פּ	s, Ir
	TZ TO#				
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1000					
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And the state of t					· · · · · · · · · · · · · · · · · · ·
4-8-74	<b>C</b> ont <b>inue</b> d				
4-8-74	Continued LOG TOPS: S.	an Andres 8	00'. Gla	rieta 21	 36 <b>'.</b>
4-8-74	LOG TOPS: S Tubb 3550'	Abo 4164'.	Wolfcamp	5164',	36',
4-8-74 4-13-74	LOG TOPS: S	Abo 4164', n 6620', Mo	Wolfcamp	5164',	36',

Gloreita Mkr. (41234) 2214 Top Looks good on Long.

M: Lestucieniu Timotumeron YQUA FRIEN wa Undesignated same NM YATES PETROLEUM CORP. An 30-015-21584 serva 9-3-4 NM 2 1/2 mi S/Artesia 7-12-75 - 8-24-75 DATUM 12 3/4" at 369' w/250 sx 8 5/8" at 1280' w/900 sx 4 1/2" at 8515' w/250 sx TP (Morrow) Perfs 8387-8412 r 5050 MCFGPD + 60 B Cond. based on 4 hr test thru 1/2" chk, GOR 84,870, Grav (Cond) 55.6, TP 830# 8950' RT 3434 GL

F.R. 7-14-75 (Morrow) 9-29-75 AMEND FIELD NAME: Formerly reported as Atoka, W. 7-21-75 Drlg 4140' Drlg 6770' Drlg 8160' 7-29-75 8-5-75 TD 8595'; "Tight" 8-11-75 DST (Morrow) 8352-8440', open 1 hr 40 mins, GTS 14 mins @ 295 MCFGPD thru 1/4" chk, SFP 185#, rec 675' GCM, 1 hr ISIP 3524#, FP 262-414#, 4 hr FSIP 3546#, HP 3984-3984#, BHT 140 deg
TD 8595'; WOCU 'Tight"
TD 8595'; PBD 8515'; Complete
Perf (Morrow) 8387-8412' w/4 SPF 8-18-75 9-15-75 Acid (8387-8412') 2500 gals Frac (8387-8412') 18,000 gals + 36,000# sd

VIES PETROLEUM CORP.

Undesignated NM
1 Haldeman "EN" Com. Page 2
Sec 31, T175, R26E

15-75 Continued

TOPS: San Andres 840', Glorieta 2223', 4192', Wolfcamp Lime 5366', Atoka 8142', Horrow Glastics 6360', Chester 8570'

9-3-4. NM

EUDY y Undesignated YATES PETROLEUM CORP. 30-015-21653 Hum Arco "EC" State Sec 36, T17S, R25E 1980' FSL, 1100' FEL of Sec 3 mi SW/Artesia DG 10-16-75 av 12-2-75 13 3/8" at 372' w/100 sx 8 5/8" at 1260' w/650 sx 4 1/2" at 8202' w/270 sx 820 2642 ъ 8590' (MSSP) 8157 TP (Strawn) Perfs 7988-96' F 850 MCFGPD. Pot based on 2 hr 30 min test thru 3/4" chk. GOR dry, TP 46# 8600' RT om's DLEV 34451 GL. 34621 KB 10 F.R. 10-20-75 (Morrow) Dr 1g 5965' 10-30-75 ID 8150'; On DST 11-6-75 DST (Wolfcamp) 6719-6812', open 2 hrs 20 mins, GTS in 15 mins @ TSTM, rec .64 CF gas + 1900 cc's SW @ 400# in Sampler, 1 hr ISIP 2312#, FP 193-526#, 4 hr FSIP 2100#, HP 3049-3049# TD 8590'; WOCU 11-12-75 DST (Strawn) 7975-8150', open 1 hr 25 mins, GIS in 13 mins thru 1/4" chk, SFP 32#, rec 120' DF, 1 hr 15 min ISIP 3064#, FP 131-131#, 2 hr FSIP

3064#, HP 3721-3634#, BHT 134 deg
11-17-75
TD 8590'; WCCU
2-23-75
TD 8590'; PBD 8157'; Complete (Hold for info)
Parf (Strawn) 7988-96' w/26 shots
Acid (7988-96') 1000 gals
Frac (7988-86') 8000 gals + 12,500# sd
3-2-6 NM

EDDY YATES PETROLEUM CORP.

Undesignated 2 Arco "EC" State Sec 36, T17S, R25E

NM Page #2

3-8-76

TD 8590'; PBD 8157'; Complete
LOG TOPS: San Andres 820', Glorieta 2220',
Abo 4180', Wolfcamp 5346', Lower Canyon 7355',
Strawn 7819', Atoka 8173', Morrow Clastics 8363',
Chester 3936'

1-12-76

COMPLETION ISSUED

3-2-6 NM IC 30-015-70072-75 COUNTY EDDY reco Atoka, W. STATE NM SUPERIOR OIL CO. PM 30-015-20936 1 LEASE Johnson Com. Sec 2, T-18-S, R-25-E 2080' FSL, 660' FEL of Sec CO-OR 9-6-73 CMP 11-1-73 FORMATION 13 3/8" at 500 w/500 sx 8 5/8" at 1300 w/1212 sx 5 1/2" at 8650' w/565 sx TO 86501 IP (Morrow) Perfs 8380-84231 CAOF 3509 MCFGPD. GOR NA; Grav (Gas) .623; (Cond) 54.4; SIWHP 2374# Delta PRS ELEY 3468 GL 8800' TYPE RT 3483 KB F.R. 9-10-73 (Morrow) Drlg 11441 lm 9-11-73 Drlg 3004' lm & sd 9-18-73 Dr18 5470' 1m & sd 9-25-73 Drlg 7512' lm & sh 10-2-73 "Tight" 10-9-73 "Tight" 10-31-73 TD 8650'; SI Wo Pipeline Conn 11-28-73 Perf 8380-8423 w/33 shots (overall) Flwd @ 4950 MCFGPD, decr to 4550 MCFGPD thru 3/4" chk, FTP 400#, decr to 300#
TD 8650'; SI WO Pipeline Conn 12-12-73 NM Atoka, W. EDDY Page #2 SUPERIOR OIL CO. I Johnson Com. Sec 2, T18S, R25E TD 8650'; COMPLETE 3-11-74 (Morrow) FOUR POINT GAUGES: Flwd 1328 MCFGPD, 2.125" Orifice, 1 hr, TP 2194#
Flwd 2018 MCFGPD, 2.125" Orifice, 1 hr, TP 1897#
Flwd 2581 MCFGPD, 2.125" Orifice, 1 hr, TP 1534#
Flwd 3143 MCFGPD, 2.125" Orifice, 1 hr, TP 972#
LOC TOPS: Glorieta 2100', Tubb 3522', Abo 4084', Wolfcamp 5510', Pennsylvanian 6600', Atoka 8020', Morrow 8291', Mississippian 8550' COMPLETION REPORTED

U a was we was a man we assess an was a second and a second a second and a second and a second and a second and a second a	vildcat		erace N	ed the observe frainhed
13001	VIIOCAC		Mi	1 21237
YATES PETROLEUM CURP.				2-3 NM
1 Powell "DG" C	om.		WHAL O	
Sec 35, T-17-S, R-25-	3			·
660 FSL, 1980 FEL o	f Sec		<i>∞</i> -ò=v	
660. EST, 1980. EED 0	1000		OTA	
3 mi S & 2 mi W/Artes	<u> 14</u>			sp
Re 6-13-75	THE CASE NOT	WSX	PORMATION	D
	PORMITTON	MTUN		
20112 /050 -9	54 2727	718		
13 3/8" at 391' w/250 sx				İ
8 5/8" at 1238' w/610 sx	ļ			
4 1/2" at 8561' w/250 sx		<del> </del> -		T
		<del>                                     </del>		<u> </u>
	m 8700 1 (1	(SSP)	<b>™</b> 8560¹	
			ממסמ אני	Pot
IP (Wolfcamp) Perfs 6539-6 based on 24 hr test thru 50.6, TP 330#	6683' F 2052 1/2" chk. G	MCFGPD - OR 60,240	, Grav (0	cond)

(ik (row) Perfs 8353-85 No Change % 6683' WO

F.R.C. 8-9-75 OWWO (Wolfcamp)
(Orig. comp 8-22-74 thru (Morrow) Perfs 8365-86', OTD 8700', OFB 8560')
TD 8700'; PBD 8560'; Complete
Perf (Wolfcamp) 6539-44', 6574-82', 6611-22', 6675-83' w/2 SPF
Acid (6539-6683') 21,000 gals
Wolfcamp Discovery, No Suggested Field Name
Morrow Completed in Atoka, W. Field
COMPLETION ISSUED

8-2-3 NM

COUNTY EDDY reco Atoka, W. STATE NM YATES PET, CORP. AM 30-015-21237 1 100 Powell "DG" Com.
Sec 35, T-17-S, R-25-E
660 FSL, 1980 FEL of Sec CLASE D-DG BPO 6-14-74 CMP 8-22-74 FORMATION DATUM 13 3/8" at 391' w/250 sx 8 5/8" at 1238' w/610 sx 4 1/2" at 8561' w/250 sx 1087001 (MSSP) TEMPORARILY COMPLETED SHUT IN GAS WELL CONTR Ard OPRS ELEV 3490 GL 8700' 4303. F.R. 6-10-74 (Morrow) TD 12381; WOC 6-19-74 Drlg 3638' 6-26-74 Dr1g 7858' 7-10-74 DST (Cisco) 6445-6653', open 2 hrs, GTS in 23 mins, rec 910' GCM, 1 hr 15 min ISIP 1043#, FP 295-375#, 3 hr FSIP 1734#, HP 3029-2976# TD 8700'; Prep Run Csg 7-18-74 DST (Morrow) 8261-8450', open 2 hrs, GTS in 16 mins, rec 925' GCM, 1 hr 30 min ISIP 3032#, FP 342-479#, 3 hr FSIP 3206#, HP 3883-3866# Atoka, W. ENDY 1 Powell "DG" Com. Page #2 YATES PET. CORP. Sec 35, T17S, R25E TD 8700'; PBD 8560'; WOC
TD 8700'; PBD 8560'; Prep Comp
TD 8700'; PBD 8560'; WOCU
TD 8700'; PBD 8560'; "Tight"
TD 8700'; PBD 8560'; Temp Comp 7-24-74 7-31-74 8-8-74 8-26-74 9-16-74 Perf 8365-86' w/2 SPF Acid (8365-86') 1000 gals Frac (8365-86') 15,000 gals wtr + 17,000# sd Flwd 1010 MCFGPD + 7 BO in 24 hrs thru 3/4"

Continued 10-7-74 Cisco 6435', Canyon 7341', Strawn 7781', Atoka 8115', Morrow 8304', Mississippian Lime 8599' COMPLETION REPORTED 10-12-74

This Well Drilled "Tight"

10-7-74

chk, GOR 143,400; Grav 56; TP 35# (8365-861) TD 8700'; PBD 8560'; TEMPORARILY COMPLETED

LOG TOPS: San Andres 778', Glorieta 2160', Tubb 3510', Abo 4133', Wolfcamp Lime 5304',

Ch Lenotenm Throuwaron EDDY ma Atoka, W. YATES PETROLEUM CORP. M 30:015-21472 1 um Arco "EC" State \*\*\* 8-4-2 NM Sec 36, T-17-S, R-25-E 660' FNL, 2310' FEL of Sec 2 mi SW/Artesia  $3-20-75 \implies 5-29-75$ CATUM 12 3/4" at 376 w/250 sx 8 5/8" at 1276' w/1150 sx 5 1/2" at 8678' w/200 sx 8678' (MSSP) IP (Morrow) Perfs 8338-65' CAOF 46,106'MCFGPD, GOR 154,130, Grav (Gas) .628, (Cond) 50.7, SIWHP 2481# CHARLEY 3453 CT. ™ 8950¹<u>,</u> RT F.R. 2-3-75 (Morrow) AMEND FIELD NAME: Formerly reported as Atoka 8-23-75 Drlg 1915' 1m 3-26-75 Dr 1g 4270' 4-1-75 Drlg 7240' 4-10-75 DST (Cisco) 6550-6810', open 1 hr 30 mins, rec 515' DM, 1 hr ISIP 1782#, FP 521-480#, 2 hr FSIP 1119#, HP 3141-3128# Drlg 8542' sh; "Tight" 4-17-75 DST (Strawn) 7958-8125', open 1 hr 30 mins, rec 510' DF, 1 hr 30 min ISIP 455#, FP 280-315#, 2 hr 30 min FSIP 524#, HP 3678-3678# DST (Morrow) 8240-8382', open 1 hr 45 mins, GTS 4 mins, MTS 10 mins, Flwd @ 9500 MCFGPD thru 1/2" chk, SFP 1500#, rec 15' Cond (Grav 50.7) + 50' 8-4-2 NM EDDY Atoka, W. 1 Arco "EC" State YATES PETROLEUM CORP. Page 2 Sec 36, T17S, R25E 4-17-75 Continued filt wtr, 1 hr 30 min ISIP 3167#, FP 2430-2780#, 2 hr 15 min FSIP 3167#, HP 3889-3889#, . BHT 137 deg TD 8678'; PBD 8610'; "Tight"
TD 8678'; PBD 8610'; Tstg "Tight" 4-24-75 5-5-75 Perf (Morrow) 8338-65' w/4 SPF TD 8678'; PBD 8610'; WO Pot 5-14-75 TD 8678'; PBD 8610'; Complete (Hold for info) 5-27-75 Flwd 15,000 MCFGPD + 9 B Cond in 1 hr 45 mins, 3/4" chk (8338-65')

TD 8678'; PBD 8610'; Complete (Morrow) FOUR POINT GAUGES: 8-18-75

Flwd 18,250 MCFGPD, 2.750" orifice, 60 mins, TP 1003#

8-4-2 NM

8-18-75 Continued . Flwd 13,171 MCFGPD, 2.750" orifice, 60 mins, TP 1776# Flwd 8495 MCFGPD, 2.750" orifice, 60 mins, TP 2106# Flwd 6354 MCFGPD, 2.750" orifice, 60 mins, TP 2215# LOG TOPS: San Andres 810', Glorieta 2209', Abo 4171', Wolfcamp 5338', Cisco 6475', Canyon 7331' Atoka 8118' Monrey Clarate 8200', Character 7331', Atoka 8118', Morrow Clastic 8299', Chester 8510', Mississippian 8647' 8-23-75 COMPLETION ISSUED

ONLY EDDY PRO	Wildcat		e Couples	nd Provinces Profes
YATES PETROLEUM CORP.	WITUCAL			5-21606
1 use Patterson	19g T_11			-4 NM
Sec 31, T 17-S, R-26-		<del></del>	w	
880' FSL, 660' FWL of			50-0%	
3 mi S/Artesia		<del></del>	. BLEV	
≈ 8-15-75 œ 10-8-7.	5 well class: 1007	D	, WPD	· · · · · · · · · · · · · · · · · · ·
	PORMATION	DATUM	POMMATION	Datum
13 3/8" at 360' w/250 sx	54 2633	926		
8 5/8" at 1269" w/600 sx				
4 1/2" at 8590' w/375 sx				
•		ì		
	™ 8640¹ (C	STR)	<b>~</b> 8080¹	
TP (Strawn) Perfs 8002-30 test thru 1/2" chk. GOR 1		PD. Pot	based on	3 hr
	OFF S BLEV 34421 C		<b>№</b> 862	

F.R. 8-18-75 (Morrow) 12-20-75 AMEND FIELD NAME: Formerly reported as Undes ignated 8-18-75 TD 1270'; WOC Dr1g 5300' 8-26-75 9-3-75 Dr1g 7946' 9-22-75 "Tight" 10-21-75 TD 8640'; PBD 8590'; "Tight" DST (Morrow) 8348-8478', open 1 hr 30 mins, rec 365' DM, 1 hr ISIP 451#, FP 132-132#, 4 hr FSIP 1014#, HP 3944-3905#, BHT 139 deg TD 8640'; PED 8080'; Complete (Hold for Info) Perf (Strawn) 8092-96' w/17 shots Acid (8092-96') 1000 gals 11-17-75

12-3-4 NM

IC 30 015 70017 75

EDDY Wildcat YATES PETROLEUM CORP. 1 Patterson 'EL" Page #2 Sec 31, T17S, R26E 11-17-75 Continued Swbd SW w/small show gas (8092-96') BP @ 8080' Perf (Strawn) 8002-08', 8024-30' w/# SPF Acid (8002-30') 16,000 gals TD 8640'; PBD 8080'; Complete 12-15-75. Strawn Discovery, No Suggested Field Name LOG TOPS: San Andres 826', Glorieta 2220' Abo 4206', Wolfcamp Lime 5381', Strawn 7833', Atoka 8188', Morrow Clastics 8383' Chester 8586' 12-20-75 COMPLETION ISSUED 12-3-4 NM

### RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SECTION 102 NEW RESERVOIR CATEGORY

SUBJECT WELL Goat Roper "LP" Com No. 1	OPERATOR Yates Petroleum Corporation
LOCATION Section 30-17s-26E	SPUD DATE 2-8-80 COMPLETION DATE 3-9-80
FORMATION MOTTOW	COMPLETICA DEPTH 8365-8373'
	DATE FIRST SALES None to date

### DISCUSSION OF SUBJECT WELL:

The Yates Petroleum Corporation's Goat Roper "LP" Com No. 1 was completed 3-9-80 in the Morrow formation with perforations at 8365-8373'. The Morrow reservoir perforated in the subject well was at virgin pressure when the well was completed. As the attached discussion of all relevant wells will show, the subject reservoir is a new reservoir under the N.G.P.A. definition.

### ORIGINAL MORROW PRESSURES ON THE SUBJECT WELL:

The Morrow formation was initially perforated at 8365-8373'. A 120-hour SITP of 2763 and a SIBHP of 3532 was recorded on 3-15-80 indicating virgin pressure in the Morrow perforations. A copy of the BHP Survey is attached. There are nearby wells surrounding the Goat Roper "LP" Com No. 1 that have not been discussed in this report.

They were omitted from this discussion due to post 4-20-77 spud dates or they did not penetrate the Morrow sands.

NM OCD CASE #6917 Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation

EXHIBIT #6

GXHIDI . E

SUBJECT WELL SPUD DATE 2-8-80 LOCATION Section 20-17S-26E, Eddy County OPERATOR Yates Pet FORMATION MOTTOW DATE FIRST SALES None to date COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' **OPERATOR** WELL LOCATION CROSS SECTION COMPLETION COMPLETION SEGMENT ZONE SPUD DATE (COMPL. DATE) DEPTH Maddox Energy Company Martin Com "L" No. 1 7919-24 The Martin Com "L" No. 1 has no Morrow sands capable of commercial Strawn production that correlate with the subject well's completed Morrow Section 29-17S-26E reservoir. The Martin Com "L" No. 1 is located .4 miles from the 660' FWL, 1980' FSL 2-10-77 (5-23-77) subject well. The Yates Armstrong "CT" No. 1 has a small (one foot) perforated sand body (8566-67') which correlates with the subject well's completed Morrow reservoir. The Armstrong "CT" No. 1 was completed Yater Petroleum Corporation II 8122-261 Strawn Armstrong "CT" No. 1 Section 5-185-26E (6-22-78) 8050-561 8381-871 Atoka-Morrow 1980' PSL, 660' FWL 6-3-73 (IG-8-73) 8455-60' (10-8-73) .. originally in the Atoka-Morrow interval as shown. The well was completed for 1100 MCFD @ 195# FTP. On 8-16-77, a SITP of 1051 psig was reported (copy of Annual Survey attached). At the end of 8499-8503 8566-8567 8616-8619 May, 1978, the Atoka-Morrow interval had produced 215837 MCF of gas and was producing at a near depleted rate of 30 to 50 MCFD. In March 1978 approval was requested to recomplete the well in the Strawn formation and commingle the Strawn and Morrow (copy of letter attached). The Strawn was perforated 6-22-78. Commingling was approved in October 1978. The near depletion of the Atoka-Morrow interval prior to completion in the Strawn, compared to the virgin pressures of the subject well, indicate no communication has occurred between the two wells. A SITP of 1563 psig on 8-3-79.

(Annual Survey report attached) indicates near depletion of both the Strawn and Morrow reservoirs. The well is located 1.9 miles from the subject well. The Patterson "EL" No. 2 has a perforated sand body that corre-Yates Petroleum Corporation lates with the subject well's completed Morrow reservoir. Patterson "EL" No. 2 on 6-17-80, after a:176-hour shut - in the BHP was 1778 (BHP ection 31-175-26E 660' FSL, 2310' FWL 12-28-78 (2-15-79) Survey attached) which proves the well not to be in communication with the subject well. The Patterson "EL" No. 2 was spudded after 4-20-77 and is 1.2 miles from the subject well.

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	RESERVOIR COMPARI	SONS - OFFSET W	ELLS - APPLICAT	ION FOR SEC. 102 NEW RESERVOIR CATEGORY PAGE OF
SUBJECT WELL Goat Roper "LP" Com No	. 1 OPERATOR Y	ates Petroleum (	Corp. LOCATION	Section 30-17S-26E, Eddy County, NM SPUD DATE 2-8-80
COMPLETION DATE 3-9-80	COMPLETION	DEPTH <u>8365-837</u> :	FORMATIO	N Morrow DATE FIRST SALES None to date
PERATOR JELL NAME JELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
4. David Fasken Yates "6" Pederal No. 1 Section 6-185-26B 1980' FSL, 660' FWL 12-19-73 (3-21-74)	III	8231-41'	Atoka	The Yates "6" Federal No. 1 has a sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, this interval was DST'd in DST #3 as shown on the cross section and found to be non-commercial due to the fact that it flowed only 47 mcfpd (18 psi on % choke). The zone was never perforated and the well was plugged back to 8420°
				and was completed in the Atoka. Also, the sand body in the Yates "6" Federal No. 1 which seems to be in the same interval as the subject well correlates with the Patterson. "EL" No. 2 and is separated from the subject well by the Patterson "EL" No. 2, which is discussed herein, and was shown not to be in connection with
	•		•	the subject well. Therefore, the Yates "6" Federal No. 1 sand be in question is not connected to the subject well's completed Morr reservoir. The Yates "6" Federal No. 1 is located 1.9 miles from the subject well.
Patterson "KL" No. 1 Section 31-175-26E 880' FSL, 660' FWL 8-15-75 (10-8-75)	ïV	8002-30 <sup>1</sup>	Strawn	The Patterson "EL" No. 1 has no sands that correlate with the subject well's completed Morrow reservoir and therefore cannot be in communication with the subject well. The Patterson "EL" No. 1 is located 1.2 miles from the subject well.
Superior Pederal No. 1 Section 1-185-25E 1980' FML, 1980' FML 6-26-73 (8-7-73)	IV	8430-45*	Morrow	The Superior Federal No. 1 has two small sand units which seem to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Superior Federal No. 1 is located 1.9 miles from the subject well and is separated from the subject well by the Patterson "EL" No. 1, Patterson "EL" No. 2, Haldeman "EN" No. 1 and the Arco "EC" State No. 2. All these wells are discussed within this report and are proven to have no communication with the subject well, therefore proving that the
		•	•	Superior Federal No. 1 cannot be in communication with the subject well.

SUBJECT WELL Goat Roper "LP" Com No.  COMPLETION DATE 3-9-80	1 OPERATOR	Yates Petroleum DEPTH 8365-8373	Corp. LOCATION	Section 30-17s-26E, Eddy County, NM SPUD DATE 2-8-80  Morrow DATE FIRST SALES None to date
OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
7. Coquina Superior Federal No. 2 Section 1-18S-25E 1980' FSL, 1980' FWL 12-6-73 (3-20-74)  8. Yates Petroleum Corporation Haldeman "EN" No. 1 Section 31-17S-26E 1980' FNL, 660' FWL 7-12-75 (8-24-75)	TV V	8434~45'	Horrow	The Superior Federal No. 2 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Superior Federal No. 2 is located 2.3 miles from the subject well and is separated from the subject well by five wells, the Patterson "EL" No. 1, Patterson "EL" No. 2, Haldeman "EN" No. 1, Arco "EC" St. No. 2, and the Superior Fed. No. 1, all of which have been proven in this report not to be in communication with the subject well.  The Haldeman "EN" No. 1 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, on 5-9-79, after producing 1,812,219 mcf, the BHP of the Haldeman "EN" No. 1 was 1569 (BHP Survey attached) which is in contrast with the subject well's virgin BHP of 3532 proving no communication with the subject well. The Haldeman "EN" No. 1 is .8 miles from the subject well.
9. Yates Petroleum Corporation Arco "EC" State No. 2 Section 36-175-25E 1980' FSL, 1100' FEL 10-16-75 (12-2-75) 10. Superior Johnson Com No. 1 Section 2-185-25E 2080' FSL, 660' FEL 9-6-73 (11-1-73)	<b>v</b>	7988-7986 ° 8380-8423 °	Strawn Morrow	The Arco "EC" State No. 2 has no sands capable of commercial production that correlate with the subject well's completed reservoir. The Arco "EC" State No. 2 is 1.2 miles from the subject well.  The Johnson Com No. 1 has a perferated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Johnson Com No. 1 is 2.7 miles from the subject well and is separated from the subject well by the Arco "EC" State No. 2 and the Haldeman "EN" No. 1,

>	RESERVOIR COMPARISO	NS - OFFSET WE	LLS - APPLICATION	N FOR SEC. 102 NEW RESERVOIR CATEGORY PAGE OF
SUBJECT WELL Goat Roper "LP" Com No.		es Petroleum Co		ection 30-17s-26E, Eddy County, NM SPUD DATE 2-8-80
COMPLETION DATE 3-9-80	COMPLETION DE	PTH 8365-8373	FORMATION	Morrow DATE FIRST SALES None to date
OPERATOR WELL NAME MELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION (	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
11. Yates Petroleum Corporation Powell "DG" Com No. 1 Section 35-17S-25E 660' FSL, 1980' FEL 6-14-74 Re: (6-13-75)	VI	6539-6683	Wolfcamp	The Yates Powell "DG" Com No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Powell "DG" Com No. 1 is located 2.4 miles from the subject well.
12. Yates Petroleum Corporation Arco "EC" State No. 1 Section 36-17S-25E 660' FNL, 2310' FEL 3-20-75 (5-29-75)	VII		mo Penn (7-11-79)	The Arco "EC" No. 1 has a perforated sand body which correlates with the subject well's completed Morrow reservoir. However, on 11-22-78, after producing 4,627,686 mcf, the BHP of 310 (BHP Survey attached), in contrast to the subject well's virgin BHP pressure of 3532, therefore proving no communication with the subject well. The Morrow was abandoned 3-79. The Arco "EC" No. 1 is located 1.2 miles from the subject well.
13. Yates Petroleum Corporation Caskey "EV" No. 1 Section 30-175-26E 660' FSL, 1400' FML 11-19-75 (1-14-76)	VIII	8015-8166'		The Caskey "EV" No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Caskey "EV" No. 1 is .6 miles from the subject well.
34. Yates Petroleum Corporation Jackson "EM" Com No. 1 Section 25-17S-25E 660' PSL, 1980' PEL 5-15-75 (7-19-75)	VIII	8282-8370°		The Jackson "EM" Com No. 1 has a small sand body of very poor quality that may be in the same stracigraphic interval as the subject well's completed Morrow reservoir. However, the Jackson "EM" Com No. 1 is separated from the subject well by the Caskey "EV" No. 1 which is discussed herein and found to have no communication between the Jackson "EM" Com No. 1 and the subject well. The Jackson "EM" Com No. 1 is located 1.2 miles from the subject well.
15. Western Plint No. 2 Section 25-17S-25E 660' PSL, 2310' PWL 6-13-75 (8-14-75)	WIII	8250-60'		The Flint No. 2 has a perforated sand body which may correlate with the subject well's completed Morrow reservoir. However, the Flint No. 2 on 11-1-77 had a SITP of 2017.2 psia compared to 2763 SITP of the subject well. The Flint No. 2 is also separated from the subject well by the Jackson "EM" No. 1 and the Caskey "EV" No. 1, both of which have been proven to have no communication with the subject well. The Flint No. 2 is located 1.4 miles from the subject well.

SUBJECT WELL GOAT ROPER "LP" COM NO. ]		ED. LOCATION	Section 30-175-26E, Eddy Coupty, NM SPUD DATE 2-8-80  N Morrow DATE FIRST SALES None to date
OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	ROSS SECTION COMPLETION SEGMENT DEPTH	COMPLETION ZONE	COMMENTS
16. Yates Petroleum Corporation Manseau "EK" Com No. 1 Section 35-175-25E 660' FNL, 1980' FEL 5-21-75 (6-23-75)	VIII 8003-19'	Strawn	The Manseau "EK" Com No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Manseau "EK" Com No. 1 is located 2.4 miles from the subject well.
17. Western Flint No. 1 Section 25-17S-25E 1980' FSL, 660' FWL 2-6-74 (4-18-74)	IX 6480-6534'	Cixco	The Flint No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Flint No. 1 is located 1.7 miles from the subject well.
18. Yates Petroleum Corporation Gossett "EU" Com No. 1 Section 26-175-25E 1650' FSL, 1980' FWL 12-1-75 (12-15-75)	IX 6624-44'	Wolfcamp	The Gossett "EU" Com No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Gossett "EU" Com No. 1 is located 2.4 miles from the subject well.
19. Yates Petroleum Corporation Jackson "GM" Com No. 1 Section 24-178-25B 660' FSL, 1650' PML 8-27-76 (11-3-76)	x 8120-8278'	Morrow	The Jackson "GM" No. 1 has a perforated sand body that correlates with the subject well's completed Morrow reservoir. However, on 4-14-78, after producing 234,727 mcf, the BHP was 2505 (BHP Survey attached), which is in contrast to the subject well's virgin BHP of 3532, therefore, the Jackson "GM" No. 1 cannot be in communication with the subject well. The Jackson "GM" No. 1 is located 1.7 miles from the subject well. Also, the Jackson "GM" No. 1 producing reservoir is an approved Section 102 ("New" Reservoir).
29. Yates Petrolsum Corporation City of Artesia "BQ" Com No. 1 Section 24-17S-25E 1650' FSL, 1980' FEL 8-16-75 (9-18-75) Re: 11-15-75 (11-30-75)	XI 6530-6600'	Wolfcamp	The City of Artesia "BQ" Com No. 1 has no sand capable of commercial production that correlates with the subject well's completed Morrow reservoir. The City of Artesia "EQ" Com No. 1 is located 1.7 miles from the subject well.

SUBJECT WELL Goat Roper "Li" Com No. 1  COMPLETION DATE 3-9-80	OPERATOR Yates Petroleum C  COMPLETION DEPTH 8365-837	Corp. LOCATION Sec	etion 30-17s-26E, Eddy	DATE 2-8-80	
OPERATOR WELL NAME WELL LOCATION CRO SPUD DATE (COMPL. DATE)	DSS SECTION COMPLETION SEGMENT DEPTH	COMPLETION ZONE	COMMENTS		

ercial is defined as under the NGPA FERC Regulation's definition of "Production in Commercial Quantities".

Drilled and abandoned (DEA) wells are automatically excluded from new reservoir consideration since no completion attempt was made and natural gas could not have been produced in commercial quantities prior to April 20, 1977.

#### SOURCES OF DATA:

- Pressure bombs run on wells. Records kept in operator's well files.

- Shut-in tubing pressure data from operator's well files.

  Shut-in tubing pressure data from operator's records and from Annual Report of New Mexico Oil and Gas Engineering Committee Yearbook.

  Menthly and cumulative production data from New Mexico Oil & Gas Engineering Committee Annual Reports.

  Producing rates and flowing tubing and line pressures from operator's daily reports submitted by operator's pumpers on file in operator's offices.

  Completion cards.

All wells located in Eddy County, New Mexico.

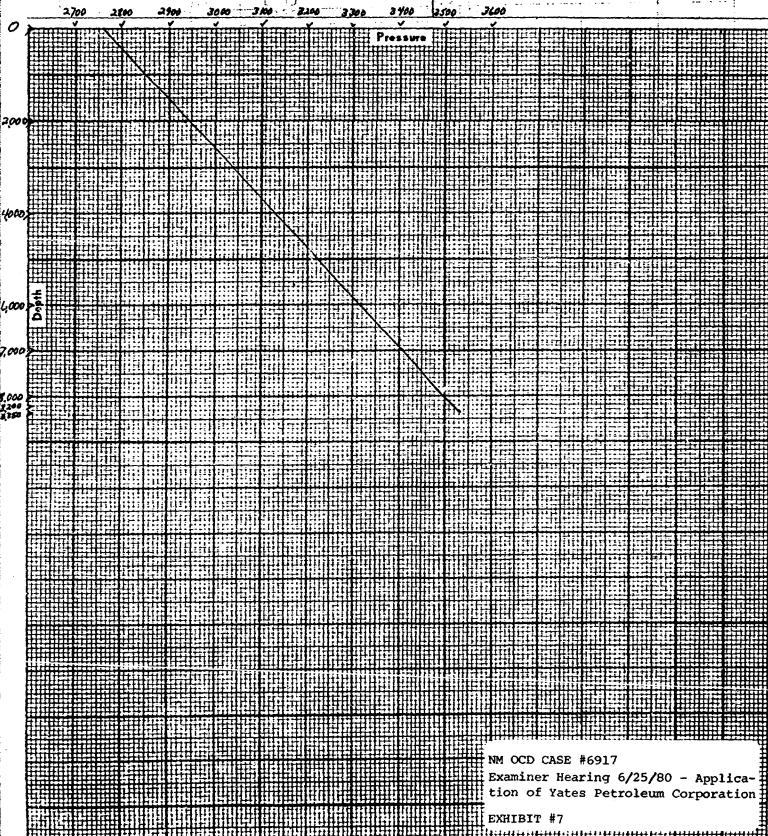


# BENNETT WIRE LINE SENVICE P. O. BOX 787 ARTESIA, NEW MEXICO 88210 Phone 746-3281



## BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR YATES PETROLEUM CORP.  LEASE GOAT ROPER "LP"	DEPTH	PRESSURE	GRADIENT
WELL NO. # 1 FIELD ATOKA-MORROW DATE 3-15-80 TIME 0245	0 2,000	2,763 2,939	8.8
STATUSSHUT IN TEST DEPTH 8,350 TIME S.I. 1035 LAST TEST DATE 3-10-80 BHP LAST TEST	4,000 6,000 7,000	3,120 3,319 3,408	9.0 9.9 8.9
TUB. PRES. 2,763 BHP CHANGE	8,000 8,200 8,350	3,502 3,519 3,532	9.4 8.5 8.8
TEMP 146 RUN BY D. SPENCER  CLOCK NO. GAUGE NO. ELEMENT NO. RPG3#43798; 0-7,000 Lb. Range			
2700 2800 3100 3000 3000 3100 3300 3400	2500 3600		





207 SOUTH FOURTH STREET ARTESIA. NEW MEXICO 88210 TELEPHONE (505) 746-3558 MANTIN YATES, 111
VICE PRESHIENT
JOHN A YATES
VICE PRESHIENT
B W. HARPEN
SEC TREAS

March 6, 1978

Mr. Joe D. Ramey, Secretary-Director New Mexico Oil Conservation Commission Drawer 2088 Santa Fe, New Mexico 87501

Re: Downhole Commingling,
Armstrong CT

### Dear Mr. Ramey:

Yates Petroleum Corporation, Artesia, New Mexico, Operator of the Armstrong CT Com #1, Unit L Section 5-T18S-R262, a proposed multiple completion in the East ragle Creek - Atoka Morrow and the Eagle Creek Strawn, seeks administrative approval for downhole commingling. Precedent for the multiple completion and downhole commingling of the Eagle Creek Strawn and East Eagle Creek Atoka-Morrow was established in our Caskey EV #1, N-30-17S-26E, pursuant to NMOCC Order R5460.

Currently the Atoka-Morrow completion is flowing 30-50 mcfpd, varying with line pressure. The 24 hour shut in tubing pressure on 8/16/77 was 1051 psig, down 191 psi from the 7/20/76 SITP of 1242 psig. The present bottomhole pressure is estimated at 1315 psig.

Decline curves are attached showing the production history of the Atoka-Morrow completion.

The calculations for the allocation of future (commingled) production are based on the porosity feet and saturation determinations from the Electric logs, corrected for the state of depletion, data attached:

East Eagle Creek Atoka-Morrow - 79%
Eagle Creek Strawn - 21%

D. Ramey sch 6, 1978

There is no water production and the hydrocarbon fluids are compatible. However, a standing valve will be placed in the Atoka packer at its present setting \$3273, the tubing will be removed from the on-off tool, the Strawn perforated at \$150-56 and \$123-25, tubing and packer run to about \$100' and the Strawn acidized for new production.

Commingling the several zones will conserve a natural resource and prevent waste by allowing a greater recovery at the same operating costs and without extra facilities or extra fuel consumption.

Yours truly,

YATES PETROLEUM CORPORATION

Eddie Mahfood
Engineer

EM/ob Enclosure

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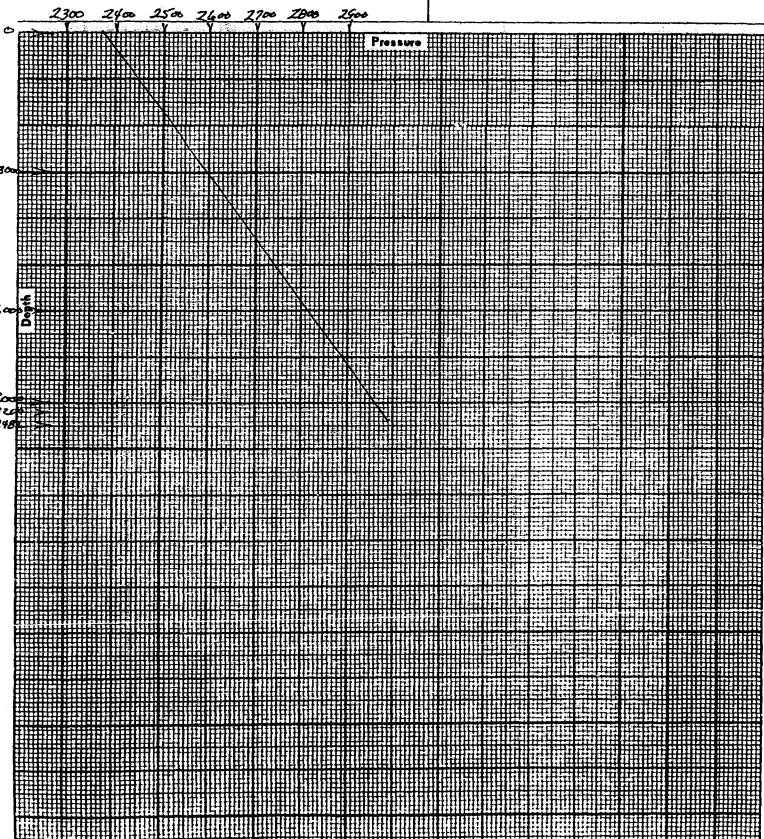


# BENNETT WIRE LINE SERVICE P. O. BOX 787 ARTESIA, NEW MEXICO 88210 Phone 746-3281



## BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Petroleum Corp.  LEASE Patterson "EL"	DEPTH	PRESSURE	GRADIENT Lbs./100 Ft
FIELD  DATE 7/31/79 TIME 8:00 PM  STATUS Shut-in TEST DEPTH 8482 Ft.  TIME S.I. LAST TEST DATE  CAS. PRES. BHP LAST TEST  TUB. PRES. 2375 JbsbHP CHANGE  ELEV. FLUID TOP None  DATUM WATER TOP Billy Joe  TEMP 148° F RUN BY  CLOCK NO. GAUGE NO.  ELEMENT NO. 6000	0 Ft. 3000 6000 8000 8200 8482	2375 Lbs. 2589 2816 2960 2975 2991	7.1 7.5 7.2 7.5 5.6





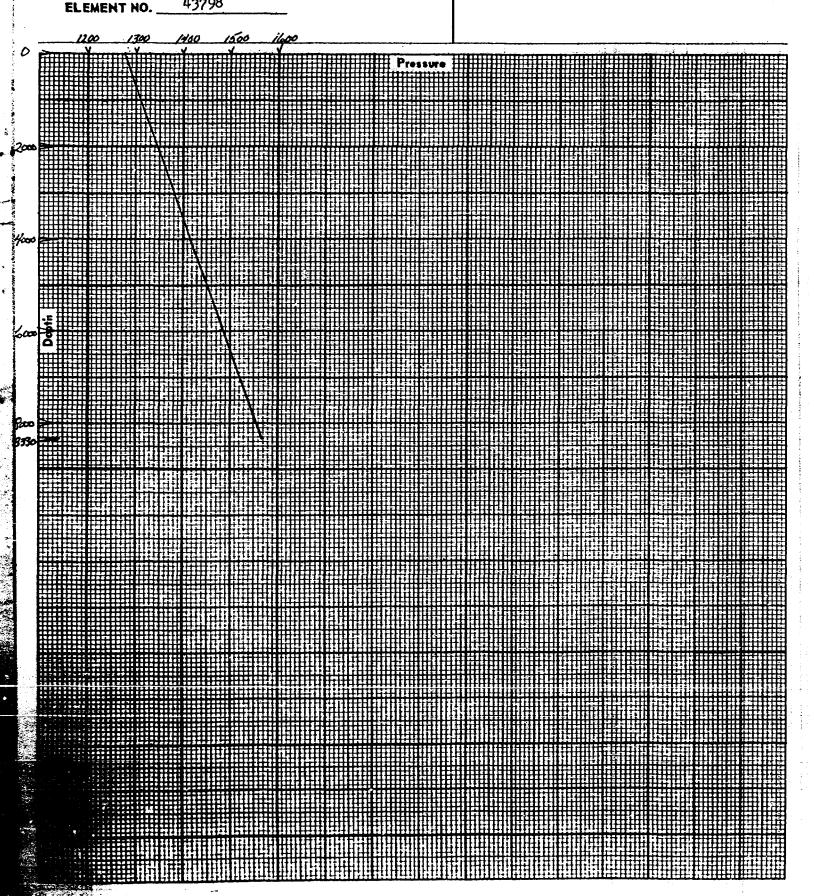
## BE( NETT WIRE LINE SE .VICE P. O. BOX 787 ARTESIA, NEW MEXICO 88210 Phone 746-3281



## BOTTOM HOLE PRESSURE SURVEY REPORT

Edolil Don

OPERATOR Yates Petroleum Corp. LEASE Haldeman "EN"	DEPTH	PRESSURE	GRADIENT				
WELL NO. 1  FIELD DATE 5/9/79 TIME 11:45 A.M.  STATUS Shut-in TEST DEPTH 8330 Ft.  TIME S.I. LAST TEST DATE  CAS. PRES. BHP LAST TEST TUB. PRES. 1276 BHP CHANGE  ELEY. FLUID TOP None  DATUM WATER TOP  TEMP 140 RUN BY BILLY Joe  CLOCK NO. 12708	0 Ft. 2000 " 4000 " 6000 " 8330 "	1276 Lbs 1331 " 1402 " 1480 " 1569 "	3.9 3.5 3.9 3.5 3.9 3.8				



### Bennett Wire Line Service 305 McArthur Ave. Ph. (505) 746 - 3281 Artesia, New Mexico - 88210

## BOTTOM HOLE PRESSURE SURVEY REPORT

0 Ft. 2000 " 4000 "	220	Lbs.	Lbs./100 Ft.
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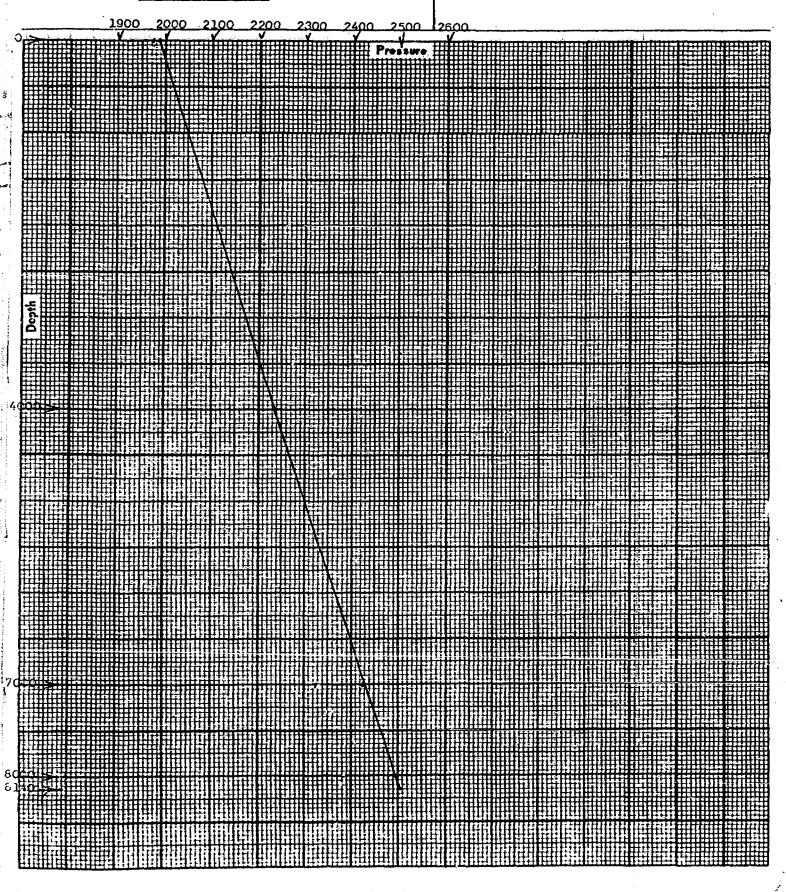
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## Bennett Wire Line Service 305 McArthur Ave. Ph. (505) 746-3281 Artesia, New Mexico - 88210

## BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATORYAT	ES PET. CORP.	
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WELL NO.		
FIELD		<del></del>
DATE 4/14/78	TIME	
STATUS Shut-in	TEST DEPTH	8140 Ft.
TIME S.I. Smar 5-31-77		
CAS. PRES.	BHP LAST TEST	
TUB. PRES. 1988 Lbs	BHP CHANGE	
ELEV.		
DATUM	WATER TOP	
TEMP		
CLOCK NO.		
ELEMENT NO. 18149		

DEPTH		PRESSURE	GRADIENT Lbs./100 Ft.
0	Ft.	1988 Lbs.	
4000	91	2235 "	6.2
7000	11	2429 "	6.5
8000	11	2494 11	6.5
8140	11	2502 "	5.7
8199		2505	



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207 SOUTH FOURTH STREET ARTESIA. NEW MEXICO 88210 TELEPHONE (505) 746.9558

April 17, 1980

Mr. Joe Ramey, Director Oil Conservation Division Energy and Mienrals Department P. O. Box 2088 Santa Fe, New Mexico 87501

Re: Application for New Onshore Reservoir NGPA Sec. 102 (c)(1)(C) Yates Petroleum Corporation Goat Roper "LP" Com No. 1

S. P. YATES

IARTIN YATES. III VICE PRESIDENT N A. YATES ACE PRESIDENT W. HARPER SEC. TREAS.

### Gentlemen:

Please find enclosed pursuant to the NMOCD SPECIAL RULES FOR APPLICATIONS FOR WELLHEAD PRICE CEILING CATEGORY DETERMINATIONS, Rule 14, and application for a New Onshore Reservoir Determination for the referenced well.

We enclose the following:

- Commission Form 121 (1)
- Division Form C-132 with required attachments (2)
- Geological and engineering information: (3)

(a) Well logs:

X-Section I thru XI

-NM OCD CASE #6917 Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation

(b) Pressure surveys:

Goat Roper BHP Survey 3-15-80 Armstrong CT BHP Survey 9-8-78 Patterson EL #2 BHP Survey 7-31-79 Haldeman EN BHP Survey 5-9-79 Jackson GM BHP Survey 4-14-78

- (c) Well potential test, see Form C-105 attached to form C-132
- (d) Formation structure map with wells located around subject well
- (e) Subsurface cross section chart
- Gas analysis
- (g) Reservoir comparisons:
  - (1) Discussion of subject well
  - (2) Discussion of offset wells with attachments if needed
- Statement Under Oath with attachments if needed.

Very truly yours,

YATES PETROLEUM CORPORATION

Secretary-Treasurer

BWH/ej

**Enclosures** 

## VERIFICATION AS TO COMPLETION OF REQUIREMENTS FOR SPECIAL RULES 1 & 2

THE STATE OF NEW MEXICO

COUNTY OF EDDY

B. W. Harper, being first duly sworn, states that he is Secretary-Treasurer of Yates Petroleum Corporation; that he is authorized to execute this affidavit; that he has read the above and foregoing and is familiar with the contents thereof; and that all allegations and facts contained therein are true and correct to the best of his knowledge, information, and belief; that the foregoing Form C-132, Application for Wellhead Price Ceiling Category Determination, and FERC Form 121 has been mailed or delivered to all working interest owners in subject well; that Yates Petroleum Corporation is operator of subject well and intends this application to cover all parties to the operating agreement and gas purchase contract and notice has been given by mailing or delivering this application to them in accordance with New Mexico Oil Conservation Division instructions; that the foregoing application has also been mailed or delivered to the appropriate purchaser in accordance with the requirements set out in the Regulations Implementing the Natural Gas Policy Act of

YATES PETROLEUM CORPORATION

B. W. Harper,

Secretary-Treasurer

SMORN TO AND SUBSCRIBED before me this // day of april 1979.

Notary Public in and for the
State of New Mexico

My Commission Expires:

August 3, 1983

#### FERC-12

1.0 API well number: (If not available, leave blank, 14 digits.)	30-015-23059	
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	. 102 4 Section of NGPA Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	8365-8373 feet	
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Yates Petroleum Corporation  Name 207 South Fourth Street  Street Artesia. NM 88210	Seller Code
5.0 Location of this well: {Complete (a) or (b).} (a) For enshere wells (35 letters meximum for field name.)	City State Zip Code  Eagle Creek Atoka Morrow Field Name Eddy NM County State	
(b) For OCS wells:	Area Name  Date of Lease:  L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Goat Roper "LP" Com No. 1	
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	Morrow	
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Transwestern Pipeline Company	Buyer Code
(b) Date of the contract:	1 1 1 1 1 1 Mo. Day Yr.	•
(c) Estimated annual production:	MMcf.	
	(a) Base Price (b) Tax (c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	2.428194*	2.622
8.0 Maximum laviful rate: (As of filing date. Complete to 3 decimal places.)	2.428194	<u>2.622</u>
9.0 Person responsible for this application:  Agency Use Only  Date Received by Juris. Agency  Date Received by FERC	Signature April 17, 1980 (505) 746-3558	-Treasurer
	Date Application is Completed Phone Number	

## Par O. Box 2008, Santa Fe, New Mexico 87501

		Application for unlimbro PRICE CHILING CATEGORY DETERMINATION	Kind of Leave	
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1.	-	East 30 175 26E	•	
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ļ.			12. County	•
:	Tr	answestern Pipeline Company, P. O. Box 2521, Houston, Texas 77001	Eddy	
		WELL CATEGORY INFORMATION		•
	Che	ck appropriate box for category sought and information submitted.	•	
E	•	Category(ies) Sought (By NGPA Section No.) Section 102 (c) (1) (C)		•
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	X	a. C-101 APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK		•
		b. C-105 KELL COMPLETION OR RECOMPLETION REPORT AND LOG		•
		e. DIRECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111	• ', •	•
•	İX	d. AFFIDAVITS OF MAILING OR DELIVERY		
,	3	NEW RATURAL GAS UNDER SEC. 102(c)(1)(B) (using 2.5 Hile or 1000 Feet	Deeper Test)	•
u			purple reary	•
-		a. Location Plat	<u> </u>	•
国	4.	NEW HATURAL GAS UNDER SEC. 102(c) (1) (C) (new onshore reservoir)		•
		a. C-122 Multipoint and one point back pressure test	•	•
	5.	NEW ONSHORE PRODUCTION WELL	•	· .
	П	a. C-102 WELL LOCATION AND ACREAGE DEDICATION PLAT	•	• .
•		b. No. of order authorizing infill program	• .	
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LJ	. (	a. C-116 GAS-OIL RATIO TEST	•	• .
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	L	b. PRODUCTION CURVE FOR 12-MONTH PERIOD PRECEDING DECEMBER 1, 1978.	e nacen	•
• •	H	e. PRODUCTION CURVE FOR THE 90-DAY PERIOD ON WHICH THE APPLICATION I	/	•
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•	NAM	C: B. W. Harper . SIGNED:	rall	
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				HOLE SI	E		G RECORD	
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8-5/8"	24#	124	<u> </u>	7-7	/8"	51.0_	sacks	
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8-5/6 5k*				<u> </u>		30.	TUBING R	PACKER SE
535**		NER RECORD	SACKS (	EMENT	CREEN	SIZE	DEPTH SET	
5½**			SACKS	EMENT		\$12E > 2-7/8"	В322 1	83221
535**		NER RECORD	SACKS (	EMENT		\$12E > 2-7/8"	B322	8322 SQUEEZE, ETC.
5½** 24. SIZE	TOP	NER RECORD BOT TOM	SACKS	EMENT 3	. AC	SIZE - 2-7/8"  10, SHOT, FRA	B322	8322 SQUEEZE, ETC.
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535°* 29. SIZE	TOP	BOT TOM  BOT TOM		3:	DEPTH IN	SIZE - 2-7/8"  10, SHOT, FRA	DEPTH SET 8322 CTURE, CEMENT AMOUNT AND	SQUEEZE, ETC.
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## NEW MELICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator	<del></del>	VII distance	Logse	offer pompartes of		<del></del>	Well No.	
	TROLEUM_COF	RPORATION		OAT ROPER	LP		1	
Unit Letter	Section	Township		and e	County	*•		
Actual Footage Loc	30	17 Sc	outh	26 East	E	ddy	· .	
1130	feet from the SOL	ith .	tine and 13	00 foo	t from the	East	line	
Ground Level Elev:	Producing For	mation ·	Pool		THOSE THE	East	Dedicated Acreage:	
3413	Možro	<u>ـــــــ</u>	บกเ	DES. MORR	امس		320 Acres	
1. Outline th	e acreage dedica	ted to the s	abject well by	colored pencil o	r hachure	marks on th	ie plat below.	
interest an	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).							
	ommunitization, u	nitization, fo	rce-pooling. etc	?.			all owners been consoli-	
X Yes	No If an	swer is "yes	;" type of cons	olidation <u></u>	MMUL	IITI ZAT	JUNI	
16 anawa- :	a 44_app 7:_a ak.a.	ه الدين محمد	root doeseletiee	a whisheless as	mallu k-	an aanaalij.	and (lies source	
	necessary.)	WILCES SING D	act description	a Maick Days 80	uaily be	ca consolida	ated. (Use reverse side of	
No allowab	le will be assigne						munitization, unitization,	
sion.	ing, or otherwise;	or until a noi	i-standard unit,	eliminating suc	n interest	s, has been	approved by the Commis-	
			. •					
	1	R26	<b>ਵ</b>	1		<u>.</u>	CERTIFICATION	
				1	. [	) hander	certify that the information con-	
	i			1	- 1	1.	rein is true and complete to the.	
•	<b>i</b>					1 '	y knowledge and belief.	
	•		=			Alie	is Police	
				<u> </u>		Name .	2 / 8	
			••	i .		Position	10 RODRIGUEZ	
	1			.1	.	GEOGR	APHER	
	. · •		•			Company	0	
	1 -			i	· ],	7ATES Date	PETROLEUM CORP.	
		30	•	! :7/	75	8-50	~79	
Hou	LYENERG	Υ	COQUMA	i		1 hereby	certify that the well location	
			•				this plat was plotted from field	
Ħ		- H-	Eail			ľ	actual surveys made by me or	
		NAME !	EDON		H	· ·	supervision, and that the same	
UM Swae	T. LEL		EXICO	HAMILTON. et	ما	2	nd correct to the best of my and ballef.	
YPC		PEGSTAND SO	2	1300		•		
			12 Sallia	1		Date Survey		
	i	13/30 50	RVETU			1	, 1979	
	· į	PROFI	SSIONAL		1	Registered	Professional Engineer	
	• 1	A	MER. TROG &	M ARTESIA		cand/or Land	Surveyor	
	A. C.ASKE	2	a. Pach	POPINE C	Crrs 1	Mare.	for Really	
process of the same			hammer and the same			Certificate N	io.	
			•			•		

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			•	<i>(</i>	•	
. 10. 07 COPICS RECEIVED		• • •		<b>.</b>	30-01	5-23059
DISTRIBUTION	NE.	M MEXICO OIL CONSEI	RVATION COMMISSION			
SANTA FE	1,000				Revised 1-1-0	
FILE		•		ł	•	Type of Lease
U.S.G.S.			: :		STATE	
LAND OFFICE		•		. 1	.5, State OII	& Gas Lease No.
OPERATOR	<u></u> ·	• •	•		m	mmmm
ADDITION	TON FOR DERING TO	ODUL DEEDEN	OD DLUC BACK			
In Type of Work	ION FOR PERMIT TO	JURILL, DEEPEN,	OR PLUG BACK		7. Unit Agra	ement Nume
					•	•
b. Type of Well DRILL		DEEPEN 🗌	PLUG B	ACK []	8, Form or L	ease Name
OIL TO GAS I	₹T		SINGLE MILT	TIPLE	Goat Ro	per LP
2. Name of Operator	A.J OTHER	<del></del>	SOUR ( )	10HE C	9. Well No:	
Yates Petroleu	m Corporation				1	
3. Address of Operator					10. Field on	d Pool, or Wildcat
207 South 4th	Street, Artesia,	New Mexico 88	210		Undes.	Morrow
4. Locution of Well	75	. 1130	EET PROM THE South	LINE	THIN:	
AND 1300 PEET FR	OM THE East	INE OF SEC. 30 T	175 REE. 261	ямем.	$\overline{m}$	mmmi
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			iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii		777777	iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii
		///////////////////////////////////////		9A. Formation		20. Rotary or C.T.
			8600'	Morro		Rotary
21. Elevations (Show whether	· 1	d & Status Plug. Bond   2 anket	18. Drilling Contractor  Landis Drilling	r Co.	1	Dote Work will start on as approved
3413'		anket	Dendis Dilling	,	15 500	us upplotted
		PROPOSED CASING AND	CEMENT PROGRAM	•		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP
175"	13 3/8	48#	Approx. 400'	250		Circulate
124"	8 5/8	24#	Approx. 1300'	600	SX	Circulate
		10 5 175	mn	250		•
7 7/8"	44 or 51	1 10.3 OF 1/#	1 10	1 230	JA.	
	•	•	•		•	
We propose to dr approximately 40 casing will be s	0' of surface caset 100' below the	sing to shut of me Artesian water	f gravel and ca r zone. Both st	ving. I rings sh	ntermedi all be o	ate irculated.
If commercial, w	ill run 54" or 4	ra production c	asing and cemen	r with g	r Teast	
of cover.	•					
	gel and LCM to 5 7800'; Flosal-			at 4200	'); Star	ch-Drispak-KCL
	P's and hydril			pe rams	tested d	aily, blind
YA	ms on trips yell	low jacket, pit	level control a	nd flow	sensor (	on .
	4000'.		•	•		<u>-</u>
GAS NOT DEDICATE		STANDARD LOCATI	ON : Hearing Oc	tober 10	), 1979	
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			• <b>P</b> tug <b>a</b> 450	Pergrut ser	DUCTIVE TAM	AND PROPOSED HEW PROP
THE SHE CHE CHICAGO POLY	PROPUSED PROGRAM! I ENTER PROGRAM, IF ANY.	FRUFUSAL IS TO DEEPER O				
widtly that the laters	etion shove is true and co	mplete to the best of my ki	nowledge and balls!.	41		•
	00-	Geog	rapher		9.	/5/79
	Cookerans	Title			Dote	
Filds space	for State Use)		,•			•
	•	-		•		
		YITLE			DATE	<del></del>
A CONTRACTOR OF THE PARTY OF TH						

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207 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 746-3558

April 17, 1980

TO: Mr. Joe Ramey, Director, OCD

Energy and Minerals Department

P. O. Box 2088

Santa Pe, New Mexico 87501

SUBJECT: Natural Gas Policy Act

B. P. YATES PRESIDENT ARTIN YATES, III

OHN A. YATES VICE PRESIDEN W. HARPER SEC. TREAS

Statement Under Oath

New Onshore Reservoir

Application

Natural Gas Produced From: Goat Roper "LP" Com No. 1 30-015-23059 Re:

Well Name: A.P.I.#:

Location:

Section 30-17S-26E

Formation:

Morrow

Yates Petroleum Corporation (Operator), a New Mexico Corporation, herein swears:

- (1) That he has made, or has caused to be made pursuant to his instructions, a diligent search of the following records which are reasonably available and contain information relevant to the determination of eligibility:
  - Commercial oil and gas lease ownership map and well location map compiled from official county and state records and sold to us by Midland Map Co., Midland, Texas, on file in Operator's offices.
  - (b) Legal review of land title prior to drilling, on file in Operator's offices.
  - (c) Well completion cards, on file in Operator's offices, on all wells within the same section as the referenced well and which penetrated the same prospective formations as sought by the referenced well. Such cards are available commercially and are compiled from information available in state offices.
  - (d) Blectric log records of all relevant wells which penetrated the same prospective formations as sought by the referenced well. Log records are on file in Operator's offices, respective state offices, and commercial log companies.

- (e) State of New Mexico production records and gas well shut-in tubing pressure records of all relevant wells which produced or produces from the same prospective formations as sought by the referenced well. Such records are kept in Operator's office and state offices. They were used in lieu of severance tax and royalty payment records which are not reasonably available to the applicant.
- (f) Daily drilling reports on file in Operator's files indicating date and time of spudding the referenced well.
- (g) State of New Mexico approval of the referenced well location and dedicated acreage to be assigned to the well in the event of production. Such records are on file in both Operator's office and respective state office. A copy of the agreage dedication plat is included.
- (h) Official notices by operator of well drilling activity and completion reports filed with respective state office.
- (i) Operator's well files including such data as BHP surveys, production rates, flowing tubing pressures and line pressures.
- (2) That on the basis of the results of this search and examination, Operator has concluded that to the best of his information, knowledge and belief the gas to be produced and for which he seeks a determination is from a new onshore reservoir; and
- (3) That he has no knowledge of any other information not described in the application which is inconsistent with his conclusion.
- (4) (a) Was natural gas produced in commercial quantities from the reservoir prior to April 20, 1977?

NO

(b) Was the reservoir penetrated before April 20, 1977, by an old well from which natural gas or crude oil was produced in commercial quantities from any reservoir?

(c) If the question in subparagraph (b) is answered in the affirmative could natural gas have been produced in commercial quantities from the reservoir before April 20, 1977, from any old well described in (b)?

N/A

(d) If the Natural gas is to be produced through an old well, well, were suitable facilities for the production and delivery to a pipeline of such natural gas in existence on April 20, 1977?

N/A

## CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Statement has been served upon the following by mailing the same, postage prepaid, properly addressed to:

Transwestern Pipeline Company P. O. Box 2521 Houston, Texas 77001

B. W. Harper

DATED at Artesia, New Mexico, this

17th day of April

1980

#### CERTIFICATE OF MAILING

Yates Petroleum Corporation hereby certifies that it has this day mailed the appropriate FERC 121 Form and OCD 132 Form to all working interest owners and gas purchaser(s) (if any) in:

Goat 1	Roper	"LP"	Com	No.	1	Sect
		WE	LL N	AME		

Section 30-17S-26E, Eddy Co., NM

LEGAL DESCRIPTION

YATES PETROLEUM CORPORATION

y:\_\_\_\_\_

B. W. Harper Secretary-Treasurer

Sworn to and subscribed before me this 27th day of April , 1989.

Notary Public in and for Eddy Co. New Mexico

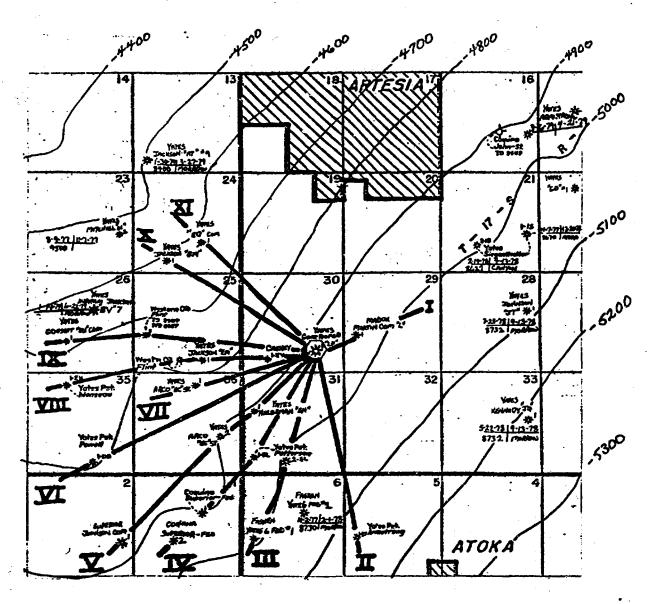
My Commission Expires:

August 3,1983

1. 16 111 11 Die. -99 11:11 311 2000 .... 11/1/2 11/11/11 -1111111 21.15 1.1111.01 शाह 411 HOROCIES ASSESSOR 1921 1134 8 Mark I Marie **स्ट्रि** . F. 3. ME HANGE (18K) and one of the ball T. OTTER STANCE 2223 PROFIME HALLE KANTEL KANEH 1499 ZOUN Hall Medica Hally Consider 1.31 MO-BUT ANE Myanthe then Loud ate 1499 2,0063 MOUTARE Malse Label Liet. Labil A 1001 2.4910 HO-PENTAME 1 to Applied Labor the Half J100. 2.4910 a IIIII ali N-PENTANE Pedicelilan panipal .0009 2.9753 HEXANES Water Vaper Male Lividia 3.7018 .0000 HEPTANES + Halaling [8] 约1数 [8] [8] Hale at tilla AN ENGENHEALE Appropriate the Allen 11161 1/20/21/20 11.11 11:14:11 1888 1 19 1 1 1 1 1 1 1 1 manilike

man Hilling

THE PERSON



SPUD DATE COM. DATE

TOTAL DEPTH PROD. ZONE

SCALE 1" = 5000'

DIP ON MORROW CLASTICS APPROXIMATELY 150' - 200' PER MILE TO SOUTHEAST

YATES PETROLEUM CORPORATION ARTESIA, NEW MEXICO GOAT ROPER "LP" COM NO. 1 SECTION 102 APPLICATION (NGPA) APRIL 17, 1980

> NM OCD CASE #6917 Examiner Hearing 6/25/60 - Application of Yates Petroleum Corporation

EXHIBIT #3

#### RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SECTION 102 NEW RESERVOIR CATEGORY

SUBJECT WELL Goat Roper "LP" Ccm No. 1	OPERATOR Yates Petroleum Corporation
LOCATION Section 30-17S-26E	SPUD DATE 2-8-80 COMPLETION DATE 3-9-80
PORMATION Morrow	COMPLETION DEPTH 8365-8373'
	DATE FIRST SALES None to date

#### DISCUSSION OF SUBJECT WELL:

The Yates Petroleum Corporation's Goat Roper "LP" Com No. 1 was completed 3-9-80 in the Morrow formation with perforations at 8365-8373'. The Morrow reservoir perforated in the subject well was at virgin pressure when the well was completed. As the attached discussion of all relevant wells will show, the subject reservoir is a new reservoir under the N.G.P.A. definition.

#### ORIGINAL MORROW PRESSURES ON THE SUBJECT WELL:

The Morrow formation was initially perforated at 8365-8373'. A 120-hour SITP of 2763 and a SIBHP of 3532 was recorded on 3-15-80 indicating virgin pressure in the Morrow perforations. A copy of the BHP Survey is attached. There are nearby wells surrounding the Goat Roper "LP" Com No. 1 that have not been discussed in this report.

They were omitted from this discussion due to post 4-20-77 spud dates or they did not penetrate the Morrow sands.

NM OCD CASE #6917

Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation

EXHIBIT #6

14		RESERVOIR COMPARI	SONS - OFFSET WELT	S - APPLICATION	ION FOR SEC. 102 NEW RESERVOIR CATEGORY PAGE OF	PER SE
<b>4</b> 48	JECT WELL Goat Roper "LP" Com No.	4 3	ites Petroleum Cori		Section 20-17s-26E, Eddy County, NM SPUD DATE 2-8-80	
CON	PLETION DATE 3-9-80	COMPLETION	EPTH 8365-83731	FORMATION	N Morrow DATE FIRST SALES None to date	
	RATOR L NAME					
	L LOCATION D DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS	
1.	Maddox Energy Company Martin Com "L" No. 1 Section 29-175-26E 660' FWL, 1980' FSL 2-10-77 (5-23-77)	ī	7919-24'	Strawn	The Martin Com "L" No. 1 has no Morrow sands capable of commerc production that correlate with the subject well's completed Morreservoir. The Martin Com "L" No. 1 is located .4 miles from t subject well.	TOW
2.	Yates Petroleum Corporation Armstrong "CT" No. 1 Section 5-185-26E 1980' FSL, 660' FWL 6-3-73 (10-8-73)	<b>II</b>	8122-26' 8050-56' 8381-87' 8455-60' 8499-8503'	Strawn (6-22-78) Atoka-Morrow (10-8-73)	The Yates Armstrong "CT" No. 1 has a small (one foot) perforates and body (8566-67') which correlates with the subject well's completed Morrow reservoir. The Armstrong "CT" No. 1 was comploriginally in the Atoka-Morrow interval as shown. The well was completed for 1100 MCFD @ 195# FTP. On 8-16-77, a SITP of 1051	eted
			8566-8567' 8616-8619'		psig was reported (copy of Annual Survey attached). At the end May, 1978, the Atoka-Morrow interval had produced 215837 MCP of gas and was producing at a near depleted rate of 30 to 50 MCFD. In March 1978 approval was requested to recomplete the well in Strawn formation and commingle the Strawn and Morrow (copy of letter attached). The Strawn was perforated 6-22-78. Commingle was approved in October 1978. The near depletion of the Atoka-	the
					Morrow interval prior to completion in the Strawn, compared to virgin pressures of the subject well, indicate no communication occurred between the two wells. A SITP of 1563 psig on 8-3-79 (Annual Survey report attached) indicates near depletion of botthe Strawn and Morrow reservoirs. The well is located 1.9 miles from the subject well.	the has
53	Yates Petroleum Corporation Patterson "EL" No. 2 Section 31-175-26E 660' FSL, 2310' FWL 12-28-78 (2-15-79)	III	8467-8497'	Morrow	The Patterson "EL" No. 2 has a perforated sand body that correlates with the subject well's completed Morrow reservoir. However on 6-17-80, after a:176-hour shut in the BHP was 1778 (BHP Survey attached) which proves the well not to be in communication with the subject well. The Patterson "EL" No. 2 was spudded after 4-20-77 and is 1.2 miles from the subject well.	ver,

•	RESERVOIR COMPARI	SONS - OFFSET WELLS -	APPLICATION FOR SEC. 102 I	NEW RESERVOIR CATEGORY PAGE OF		
SUBJECT WELL Goat Roper "LP" Com No.			LOCATION Section 30-175-26			
COMPLETION DATE 3-9-80	COMPLETION E	DEPTH 8365-8373'	FORMATION Morrow	DATE FIRST SALES None to date		
OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION COMP	LETION NE COMMENTS			
4. David Pasken Yates "6" Federal No. 1 Section 6-18S-26E 1980' FSL, 660' FWL 12-19-73 (3-21-74)	III	8231-41' Ato	the same strati Morrow reservoi shown on the cr the fact that i zone was never and was complet			
		•	subject well conseparated from is discussed he the subject well in question is reservoir. The	and was completed in the Atoka. Also, the sand body in the Yates "6" Federal No. 1 which seems to be in the same interval as the subject well correlates with the Patterson "EL" No. 2 and is separated from the subject well by the Patterson "EL" No. 2, which is discussed herein, and was shown not to be in connection with the subject well. Therefore, the Yates "6" Federal No. 1 sand be in question is not connected to the subject well's completed Morr reservoir. The Yates "6" Federal No. 1 is located 1.9 miles from the subject well.		
5. Yates Petroleum Corporation. Patterson "EL" No. 1 Section 31-175-26E 880' PSL, 660' FWL 8-15-75'(10-8-75)	IV	8002-30' Str	subject well's in communication	EL" No. 1 has no sands that correlate with the completed Morrow reservoir and therefore cannot be on with the subject well. The Patterson "EL" No. 1 miles from the subject well.		
6. Coquina Superior Federal Mo. 1 Section 1-185-25E 1980' FML, 1980' FEL 6-26-73 (8-7-73)	IV	8430-45' Mor	be in the same pleted Morrow r located 1.9 mil subject well by Haldeman "EN" N wells are discu communication w	deral No. 1 has two small sand units which seem to stratigraphic interval as the subject well's commessive. However, the Superior Federal No. 1 is less from the subject well and is separated from the other the Patterson "EL" No. 1, Patterson "EL" No. 2, No. 1 and the Arco "EC" State No. 2. All these is sed within this report and are proven to have no with the subject well, therefore proving that the output No. 1 cannot be in communication with the subject		

RESERVOIR COMPA	RISONS - OFFSET WELLS - APPLICATE	ON FOR SEC. 102 NEW RESERVOIR CATEGORY PAGE 3 OF 6
SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR		Section 30-175-26E, Eddy County, NM SPUD DATE 2-8-80
COMPLETION DATE 3-9-80 COMPLETION	DEPTH 8365-8373' FORMATION	Morrow DATE FIRST SALES None to date
	-	
OPERATOR WELL NAME WELL LOCATION CROSS SECTION SPUD DATE (COMPL. DATE) SEGMENT	COMPLETION COMPLETION DEPTH ZONE	COMMENTS
7. Coquina IV Superior Federal No. 2 Section 1-185-25E 1980' FSL, 1980' FWL 12-6-73 (3-20-74)	3434-45' Morrow	The Superior Federal No. 2 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Superior Federal No. 2 is located 2.3 miles from the subject well and is separated from the subject well by five wells, the Patterson "EL" No. 1, Patterson "EL" No. 2, Haldeman "EN" No. 1, Arco "EC" St. No. 2, and the Superior Fed. No. 1, all of which have been proven in this report not to be in communication with the subject well.
8. Yates Petroleum Corporation V  Haldeman "EN" No. 1  Section 31-175-26E 1980' FNL, 660' FWL 7-12-75 (8-24-75)	8387-8412 Mirrow	The Haldeman "AN" No. 1 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, on 5-9-79, after producing 1,812,219 mcf, the BHP of the Haldeman "EN" No. 1 was 1569 (BHP Survey attached) which is in contrast with the subject well's virgin BHP of 3532 proving no communication with the subject well. The Haldeman "EN" No. 1 is .8 miles from the subject well.
9. Yates Petroleum Corporation V Arco "EC" State No. 2 Section 36-175-25E 1980' FSL, 1100' FEL 30-16-75 (12-2-75)	7988-7986' Strawn	The Arco "EC" State No. 2 has no sands capable of commercial production that correlate with the subject well's completed reservoir. The Arco "EC" State No. 2 is 1.2 miles from the subject well.
10. Superior V Johnson Com No. 1 Section 2-18S-25E 2080' FSL, 660' FEL 9-6-73 (11-1-73)	8380-8423' Morrow	The Johnson Com No. 1 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Johnson Com No. 1 is 2.7 miles from the subject well and is separated from the subject well by the Arco "EC" State No. 2 and the Haldeman "EN" No. 1, both of which have been discussed herein and proven to have no communication with the subject well.

	RESERVOIR COMPAR	ISONS - OFFSE	r Wells - Applicati	ON FOR SEC. 102 NEW RESERVOIR CATEGORY PAGE OF
SUBJECT WELL Goat Roper "LP" Com No.		Yates Petroleu		Section 30-17s-26E, Eddy County, NM SPUD DATE 2-8-80
COMPLETION DATE 3-9-80	COMPLETION	DEPTH 8365-8	FORMATION	Morrow DATE FIRST SALES None to date
OPERATOR WELL KAME WELL LOCATION SELL LOCATION	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
SPUD DATE (COMPL. DATE)  11. Yates Petroleum Corporation Powell "DG" Com No. 1 Section 35-17s-25E 660' FSL, 1980' FEL 6-14-74 Re: (6-13-75)	VI	6539-6683 <b>'</b>		The Yates Powell "DG" Com No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Powell "DG" Com No. 1 is located 2.4 miles from the subject well.
12. Yates Petroleum Corporation Arco "EC" State No. 1 Section 36-17s-25E 660' FNL, 2310' FEL 3-20-75 (5-29-75)	VII	8338-65' 7952-78' 6534-6692'	Morrow (5-29-75) Strawn (3-28-79) Permo Penn (7-11-79)	The Arco "EC" No. 1 has a perforated sand body which correlates with the subject well's completed Morrow reservoir. However, on 11-22-78, after producing 4,627,686 mcf, the BHP of 310 (BHP Survey attached), in contrast to the subject well's virgin BHP pressure of 3532, therefore proving no communication with the subject well. The Morrow was abandoned 3-79. The Arco "EC" No. 1 is located 1.2 miles from the subject well.
13. Yates Petroleum Corporation Caskey "EV" No. 1 Section 30-17S-26E 660' FSL, 1400' PNL 11-19-75 (1-14-76)	VIII	8015-8166'	Atoka	The Caskey "EV" No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Caskey "EV" No. 1 is .6 miles from the subject well.
14. Yates Petroleum Corporation Jackson "EM" Com No. 1 Section 25-175-25E 660' PSL, 1980' PEL 6-15-75 (7-19-75)	VIII	8282-8370'	Morrow	The Jackson "EM" Com No. 1 has a small sand body of very poor quality that may be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Jackson "EM" Com No. 1 is separated from the subject well by the Caskey "EV" No. 1 which is discussed herein and found to have no communication between the Jackson "EM" Com No. 1 and the subject well. The Jackson "EM" Com No. 1 is located 1.2 miles from the subject well.
15. Western Plint No. 2 Section 25-17S-25E 660' PSL, 2310' PWL 6-13-75 (8-14-75)	WIII	8250–601	Morrow	The Flint No. 2 has a perforated sand body which may correlate with the subject well's completed Morrow reservoir. However, the Flint No. 2 on 11-1-77 had a SITP of 2017.2 psia compared to 2763 SITP of the subject well. The Flint No. 2 is also separated from the subject well by the Jackson "EM" No. 1 and the Caskey "EV" No. 1, both of which have been proven to have no communication with the subject well. The Flint No. 2 is located 1.4 miles from the subject well.

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	RESERVOIR COMPAR	ISONS - OFFSET	MELLS - APPLICATI	ON FOR SEC. 102 NEW RESERVOIR CATEGORY PAGE UF
SUBJECT VELL GOAT ROPER "IP" COM N	•	Yates Petroleum		Section 30-175-26F, Eddy County, NM SPUD DATE 2-8-80
COMPLETION DATE 3-9-80	COMPLETION	OEPTH _8365-837	FORMATION	Morrow DATE FIRST SALES None to date
OPERATOR WELL NAME				
WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
16. Yates Petroleum Corporation Manseau "EK" Com No. 1 Section 35-17S-25E 660' FNL, 1980' FEL, 5-21-75 (6-23-75)	AIII	8003-194	Strawn	The Manseau "EK" Com No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Manseau "EK" Com No. 1 is located 2.4 miles from the subject well.
17. Western Flint No. 1 Section 25-17S-25E 1980' FSL, 660' FWL 2-6-74 (4-18-74)	IX	6480 <b>-</b> 653 <b>4'</b>	Cixco	The Flint No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Flint No. 1 is located 1.7 miles from the subject well.
18. Yates Petroleum Corporation- Gossett "EU" Com No. 1 Section 26-175-25E 1650' FSL, 1980' FML 12-1-75 (12-15-75)	<b>1</b> %	6624-44'	Wolfcamp	The Gossett "EU" Com No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Gossett "EU" Com No. 1 is located 2.4 miles from the subject well.
19. Yates Petroleum Corporation Jackson "GN" Com No. 1 Section 24-17S-25E 660° FSL, 1650° PML 8-27-76 (11-3-76)  20. Yates Petroleum Corporation City of Artesia "EQ" Com No. 1 Section 24-17S-25E 1656° PSL, 1980° FEL 8-16-75 (9-18-75)	XI X	8120-8278 <sup>1</sup> 6530-6600 <sup>1</sup>	Morrow Wolfcamp	The Jackson "GM" No. 1 has a perforated sand body that correlates with the subject well's completed Morrow reservoir. However, on 4-14-78, after producing 234,727 mcf, the BHP was 2505 (BHP Survey attached), which is in contrast to the subject well's virgin BHP of 3532, therefore, the Jackson "GM" No. 1 cannot be in communication with the subject well. The Jackson "GM" No. 1 is located 1.7 miles from the subject well. Also, the Jackson "GM" No. 1 producing reservoir is an approved Section 102 ("New" Reservoir).  The City of Artesia "EQ" Com No. 1 has no sand capable of commercial production that correlates with the subject well's completed Morrow reservoir. The City of Artesia "EQ" Com No. 1 is located 1.7 miles from the subject well.

OPERATOR WELL NAME WELL LOCATION	CROSS SECTION	COMPLETION	COMPLETION			
COMPLETION DATE 3-9-80	COMPLETI	ON DEPTH <u>8365-8373'</u>	FORMATION MOTTOW	DATE	FIRST SALES No.	ne to date
SUBJECT WELL Goat Roper	LP" Com No. 1 OPERATOR	Yates Petrolewa Corp	p. LOCATION Section 30	0-17S-26E, Eddy County,	NM SPUD DATE	2-8-80
• •	RESERVOIR COM	ARISONS - OFFSET WELL	S - APPLICATION FOR SEC	C. 102 NEW RESERVOIR C	ATEGORY PAGE	

#### NOTES:

"Commercial" is defined as under the NGPA FERC Regulation's definition of "Production in Commercial Quantities".

Drilled and abandoned (DGA) wells are automatically excluded from new reservoir consideration since no completion attempt was made and natural gas could not have been produced in commercial quantities prior to April 20, 1977.

#### SOURCES OF DATA:

- Pressure bombs run on wells. Records kept in operator's well files.

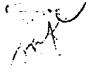
  Shut-in tubing pressure data from operator's records and from Annual Report of New Mexico Oil and Gas Engineering Committee Yearbook.

  Monthly and cumulative production data from New Mexico Oil & Gas Engineering Committee Annual Reports.

  Producing rates and flowing tubing and line pressures from operator's daily reports submitted by operator's pumpers on file in operator's offices.

  Completion cards.

wells located in Eddy County, New Mexico.

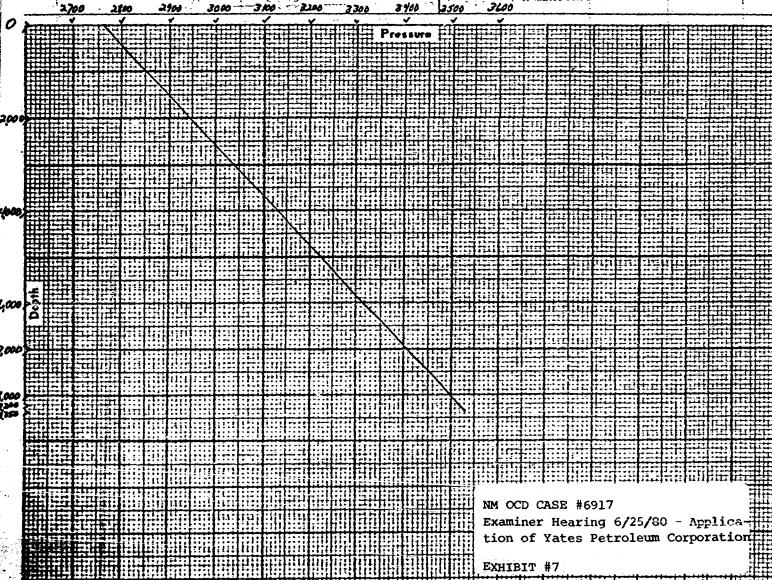




# BENNETT WIRE LINE SELVICE P.O. BOX 787 ARTESIA, NEW MEXICO 88210 Phone 746-3281 BOTTOM HOLE PRESSURE SURVEY REPORT



OPERATOR YATES PETROLEUM CORP.	DEPTH	PRESSURE	GRADIEN'
LEASE GOAT ROPER "LP"		, W	•
WELL NO. # 1	•		-
FIELD ATOKA-MORROW	0	2,763	
DATE 3-15-80 TIME 0245	2,000	2,939	8.8
DATE DELICOT TIME UZSED	4,000	3,120	9.0
STATUSSHUT IN TEST DEPTH 8,350	6,000	3,319	9.9
31A1U301101 1A 1E31 DEPIN 03350			- • -
TIME S.I. 1035 LAST TEST DATE	7,000	3,408	8.9
3-10-80 BHP LAST TEST	8,000	3,502	. 9.4
TUB. PRES. 2,763 BHP CHANGE	8,200	3,519	8.5
ELEY. FLUID TOP	8,350	3,532	8.8
DATUM WATER TOP		· •	
TEMP 146 RUN BY D. SPENCER			
	3		
CLOCK NO. GAUGE NO. CLEMENT NO. PG3#43798; 0-7,000 Lb. Range			
ELEMENT NO. CONTACTOR OF TOTAL		, and a second control of the second second	
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207 SQUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 746,5458

March 6, 1978

Mr. Joe D. Ramey, Secretary-Director New Mexico Oil Conservation Commission Drawer 2088 Santa Fe, New Mexico 67501

> Re: Downhole Commingling, Armstrong CT

MTIN YATES, III VICE PRESIDENT

W. HARPER

Dear Mr. Ramey:

Yates Petroleum Corporation, Artesia, New Mexico, Operator of the Armstrong CT Com #1. Unit L Section 5-T185-R262, a proposed multiple completion in the East cagle Creek - Atoka Morrow and the Eagle Creek Strawn, seeks administrative approval for downhole commingling. Precedent for the multiple completion and downhole commingling of the Eagle Creek Strawn and East Eagle Creek Atoka-Morrow was established in Our Caskey EV #1, N-30-175-262, pursuant to NMOCC Order R5460.

Currently the Atoka-Morrow completion is flowing 30-50 mcfpd, varying with line pressure. The 24 hour shut in tubing pressure on 8/16/77 was 1051 psig, down 191 psi from the 7/20/76 SITP of 1242 psig. The present bottomhole pressure is estimated at 1315 psig.

Decline curves are attached showing the production history of the Atoka-Morrow completion.

The calculations for the allocation of future (commingled) production are based on the porosity feet and saturation determinations from the Electric logs, corrected for the state of depletion, data attached:

East Eagle Creek Atoka-Morrow - 79%
Eagle Creek Strawn - 21%

D. Ramey rch 6, 1978

There is no water production and the hydrocarbon fluids are compatible. However, a standing valve will be placed in the Atoka packer at its present setting @8273, the tubing will be removed from the on-off tool, the Strawn perforated at 8150-56 and 8123-25, tubing and packer run to about 8100' and the Strawn acidized for new production.

Commingling the several zones will conserve a natural resource and prevent waste by allowing a greater recovery at the same operating costs and without extra facilities or extra fuel consumption.

Yours truly,

YATES PETROLEUM CORPORATION

Eddie Pualification

Engineer

EM/ob Enclosure

\$4154.000 Sept-18 004.59	iPES_S	041'0						PACE	
Current Least	WILL	3.1.7	DATE PRESS. BUT (1979)	TIPE \$.1.	S.I. PPESS. PSEC	8.1. P4(11. P1[4		. 1(31 (31	11%
steell territories.									
<b>A</b> rtimore	1 1	20-11-20	9-20 9-11	22/00 69/.8	422 443	435,2 494.2	474.2 543.2	9~75 4~6	t PG
• B brishers talolo	3 L	32-33-37	8-26 8-21	12/08	372 719	933.2 933.2	491.3	9-25 9-14	(PC
Gulf Stee	1 0	•	£-14	700/00	116 510	779.2 573.2	430.2 631.2	•	(PG
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t. C. Grissell							A	1-50	
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Little Squar Com	3 3 1 F	21-72-26 21-22-26	5-15 7-19	96/00 24/00	4145 2145	2154.2	•		
				ENGLE EMF	C ATOKA CAS				
PATES PETROLEUM COMPONI	TION 1 B	11-17-25	B-1	24/00	640	453.7	404.2	8-17	
Artemia Altport Cf		.11-11-43	<del>-</del> 1	•	V	493.5	~~· «	****	
VATES PETROLEUM CORPOR	1109			CACLE CALL	K-ATOKA MORROW, CAST				
Arce EC St. Armstrong CT Con	1 1	35-17-25 5-18-26	6-3	24/00	655	666.2	220.2 _1078,2_	6-24 6-22	
Controy IV Com	1 1	30-17-26			1261	1376.2	963.2	8-25	
Eity of Artesia EQ Com Maldernen EW Com	1 0	24-17-25 31-17-26	9~29 5~9	24/00	290 1289	295.2 1302.2	773.2 1463.2	8-25 •	
Ingram Jackson "By"	7 5	26-17-25	8-9	132/00	1830	1843.2 1373.2	initial		
Jockson "AT" Com  CA Com	9 N	13-17-25 25-17-25	6-20 9-27	96/00	1360 270	203.2	293,2	8-24	
# CR Com Lanning "IC" Com	1 2	24-17-25 7-18-26	8-24 8-3	:	. 690 1570	703.2 1563.2	1213.2 Initial	8-25	
Mitchell IR Com Polision "CL"	2 I	23-17-25 31-17-26	8-5	Nos.	380	393.2	1902.2 Initial	9-1	
Yetas 6 Fed.	2 B	5-18-26	8-5 5-11	96/00 24/00	2375 5020	2308.2 1033.2	1053.2	7-13	
				EACLE CREE	C PERMO-PEUM.				
YATES PETROLEUS COMPONI	1100	24-17-25			·		773.2	6-24	
Fity of Artesta CO Con Fod. "82" Com	12 K	21-17-25	<b>0-3</b>	24/00	660	673.2			
fed, "CR" Con fed, "CR" Con	1 #	29-17-25 7-18-25			•		1577.2	8-17	
•	2 L	•	<b>8-30</b>	24/00	1690	1703-2	14111A 1309.2	6-17	
Fed. EZ Fed. EF Con	13	0-10-25 6-10-25					919.2	8~30	
Feel, PCC* Ceblo FV Cox	1 P	32-17-25 29-17-25	0-25	24/00	740	783.2	1075.2	8-30	
Consett EU	1 K	26-17-25			•		1394.2	:	
Menocou EX Foo Con. Mecloy EV Cos	1.0	35-17-25 27-17-25			• ·	• .	816.2 1143.2	•	•.
Pausil DG Com Source FS Com	1 5	35-17-25 34-17-25			•		9210.2	•	
State CY	1 K	32-17-25					1745-2	9-17	
Piptin IE Con Geiffin 33 Com	1 0	4-18-25		•			1073.2	7-13 9-2	
Fod. CR Con	1 E	25-17-24 \$-18-25				. :	1756.2	4-17 9-15	
			•						
FASTEN- DAVID		•		ENGLE CHECK	<del></del>				-
TATES PETROLCUM CORPORA	T L	6-18-26	6-13	24/00	1200	1213.2	1800.2	<b>6-30</b>	
Arco CC St.	2 1	36-17-25	8-24	24/00	1052	1045.2	1219.2	B-25	
Arnetrong CT Con Caskey EV Con	1 4	5-19-26 30-17-26	6-3 6-5	96/00	1563 660	1576.2 693.1	2259.2 964.2	6-25	•
Fed. 62 Cam Fed. 6C Cam	12 K	21-17-25 32-17-25	6-3 6-7	24/00	660	673.2 853.2	716.2 1115.2	8-9 8-30	
Fad. FCR" Com	3 1	25-17-24	8-22	•	815	829.2			
Council "EU" Rondon "EK" Com	1 %	17-18-25 35-17-25	8-29 8-9	:	805 500	513.2			
Pottarson CL State CY	1 N	31-17-26	8-24 8-31	:	1105 766	1118.2	1533.2	8-25 8-17	
-			<del></del>	-		*****			
SARINE PRODUCTION COPPA	**			CLOSCH STRA	ALL PARTY				•
Bacth Eidean FU	_1 R	34-15-34				•	223.2	7-20	
				EMPTHE MONEY	OV. SOUTH	•			•
S. Empleo Soop Shift	1 6	€-18-29	9~30	24/00	700	713.2	907.2	0-31	
	2 K	21-17-20	9-15	•	1200 751	1213.2	1354.2	8-30 8-31	•
•	5 6	•	9-20	•	1/30	4264.3	2343.2	•	•
•	¥ 5	1-16-28	9-15 9-20	*	1640 1250	1003.2	1903.5	7-79	
	12 K 14 6	5-10-27	5-10	:	1950	1963.2 563.2	2133-2	7-20	CPG
•	15 E	9-10-29		•	1070	1963-2	•		•
•	16 6	7-16-29	-	-	1955	120-12	_		•

(E)



## BENNETT WIRE LINE SERVICE P. O. BOX 787 ARTESIA, NEW MEXICO 88210 Phone 746-3281



OPERATOR Yates Petroleum Corp.  LEASE Patterson "EL"	DEPTH	PRESSURE	GRADIENT Lbs./100 Ft.
WELL NO. 2 FIELD DATE 7/31/79 TIME 8:00 PM	0 Ft. 3000 6000 8000	2375 Lbs. 2589 2816 2960	
STATUS Shut-in TEST DEPTH 8482 Ft.  TIME S.I. LAST TEST DATE  CAS. PRES. BHP LAST TEST  TUB. PRES. 2375 Losbhp Change	8200 8482	2975 2991	7•5 5•6
ELEV. FLUID TOP None  DATUM WATER TOP Billy Joe  TEMP 148°F RUN BY			
CLOCK NO GAUGE NO			. 16-56

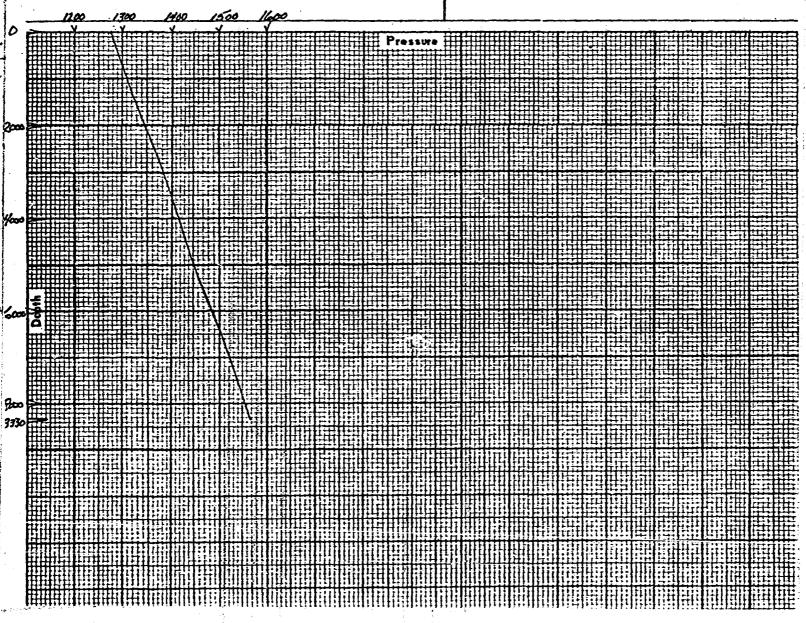


BE( NETT WIRE LINE SE .VICE P.O. BOX 787 ARTESIA, NEW MEXICO 88210 Phone 746-3281



OPERATOR											
LEASE	Haldeman "EN"										
WELL NO.	4										
FIELD											
DATE 5/9/79	TIME11:45 A.M.										
STATUS Shut-1	n TEST DEPTH 8330 Ft.										
TIME S.I	LAST TEST DATE										
CAS. PRES	BHP CHANGE										
ELEY.	FLUID TOP None										
DATUM	WATER TOR										
TEMP140	RUN BY Billy Joe										
CLOCK NO.											
ELEMENT NO.	43798										

DEPTH	PRESSURE	GRADIENT
		Lbs./100 Ft.
O Ft.	1276 Lb	•
2000 "	1331 "	
4000 "	1402 "	3•9 3•5
6000 "	1480 "	3.9
8330 "	1569 "	3.8



#### Bennett Wire Line Service 305 McArthur Ave. Ph. (505) 746 - 3281 Artesia, New Mexico - 88210

OPERATOR Yates Petroloum Corp.	DEPTH PRESSURE GRADIENT
WELL NO. # /	Lbs./100 Ft. 0 Ft. 216 Lbs.
PIELD	2000 " 220 " 0.2
STATUS Shut-in TEST DEPTH 8250 Ft.	4000 " 230 " 0.5
TIME S.I. LAST TEST DATE CAS. PRES BHP LAST TEST	6000 " 240 " 0.5
TUB. PRES. 216 BKP CHANGE 8000 Ft.	
TEMP RUN BY Cathey	
CLOCK HO GAUGE NO	8250 " 310 " 24.0
200 300 > Y	
Pressure	
	المتحدة والمتحددة والمتحددة والمتحددة والمتحدث والمتحددة
70° Flord 8100 Fr	
	# 1

Bennett Wire Line Service 305 McArthur Ave. Ph. (505) 746 - 3281 Artesia, New Mexico - 88210

OPERATOR	YATES PET. CORP. Jackson "GM"		DEPTH	PRESSURE	GRADIENT Lbs./100 Ft.
CAS. PRES			0 Ft 4000 " 7000 " 8000 " 8140 "	. 1988 Lbs. 2235 " 2429 " 2494 " 2502 " 2 <i>505</i>	6.2 6.5 6.5 5.7
ELEY	FLUID TOP	None	•		
TEMP BH CLOCK NO	.150 RUN BY GAUGE NO	Bennett			

NM OCD CASE #6917

Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation

EXHIBIT #5

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		WELL	. CUMPL	E TION C	R REC	OMPLETIC	ĴΝ̈́R	LIV	VUD F	- [نان	. Literte	- Cil 7	tir. Leuse Lo.
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H		<u>;</u>	1			Ŕ	EC	EI	VEC				
OF WELL	916 W.C	" []	EAS WELL		•••	OTHER	JU	129	1978				aria como
WE OF COMPLETION													
week of Operator		<u> </u>	BACK	KI .	<b></b> ⊠	07HC#	AHTE	31. L. L	FICE		i will		g CT Com
Yates Pet	roleum Co	rpoi	cation		•					-   '	*****	1	
Addicas of Operator						· · · · · · · · · · · · · · · · · · ·	<del></del>	·					i'eri, er Wildrei
207 South	4th Stre	<u>et                                    </u>	- Artes	sian,	lim 8	88210				-	///// radı	////	reek Strav
	LOCATED	<b>1</b> 981	· ·		SO	+1, ·		660					
To LETTER	LOCATEP		FEET F	- 3HT MOR	500	TITTE	Tr	7777	iiii	////	تتكت	7777	77////////
West (sac or	see.: 5 1	WP;	185	. 26E							Ed	ldy	
Date Spudded 6-3-73	15. Date T.D. i	eache	17, Dote	Compl. (H	eady to f	'rod.) 15.				r, GK.	cicij	12, Ei	ev. Jeskinghees
Total Ceath	7-2-73		7.D.			le Compl., Hi		7' KB		alcey '	·····		Carle Tools
8865	. 8	312	•	<u>.                                      </u>	y;aux			Daille	ed fly   fi	-88	65	- 1	
Produzing Intervail	si, et this comple	nea —	i eb' settes	n, Name	•	-	•					25.	kas Directional S Ligie
Type Electric and		26'	& 8050	0-56'	Stra	awn					12	7. Vas	NO Well Cared
	CNL/FDC	, DL	,L	• .	•		•	4				• 11	
			CA:	SING RECO	ORD (Rep	ort all string	s sel i	in well)					
CASING SIZE	*EIGHT LB. 48#	FY.	504			E SIZE	<u> </u>	400	ENTING F	RECOR	D		ANOUNT PULL
8-5/8"	24#		1318			12 24"	<del> </del>	700					
43;"	11.6&1	0.54				-7/8"	<del> </del>	275					
						•							•
			RECORD	<del>1</del>	т	<u> </u>	<del></del>	se	<del></del>		BING R		
SIZE ·	TOP	BC	HOTTO	SACKS C	EMENT	SCREEN		517.E 2-3/8		808	H SET		PACKER SET 8091
		-		<del> </del>									8091
Perfecution Record	(Interval, size and	zumbr	·r)	<del></del>	·i	32.	ACID	, SHOT,	FRACTU	RE, CL	MENT	SCUE	EZE, ETC.
<b>8122-26'</b>	•		. •			DEPTH	INTE	RVAL	^	ноин	TAND	KIND	HATERIAL USED
8050-56'	(12 holes)	T)	otal 2	0 .34	" hol	. <del>þs)</del>				<del></del>		<del></del>	
			•	-	•	8122-	26&8	3050-	1	<del></del>		<del>*</del>	<del></del>
						8056			150	0 g	al I	5%	DS-30 Acid
de First Production	Produ	Ction k	ethod (Flor	ving, gas l		UCTION ing — Size an	d type	pump)			Well S	lotus (	Prod, or Shut-in)
6-22-78			lowing			·			• •	<u> </u>	Pro	duc	ing
te of Test 6-22-78	Hours Tested 24	.   Сь	1/2"	Proffs. Test Pe		CII — Pbl	1	900 800		Auter -	- IILI.		Sas — Oil Hatto
130	Casing Pressure PKr	13 13 13	lculated 24 as liate	- Oil - B	<b>.</b>	Cas - 1			faler — (4	ы.		SII G	avity - Airl (Corr.
Disposition of Cox (		l, vent	rd, etc.)	<u> </u>		1 800		L	:	Trat W	Himesa	ed liy	
		S	old							H.	App	le	
List of Attachments						•		-	•	•			
I bereby certify that	the information s	honge es	n both side.	a of thes fo	rm is tru	e and comple	ic to t	he best o	1 m \ Lamb	ledge	unit L.	lief	
SIGHED LL	itie ?	177	eline	۲۱۲ کست	LE G	eol. Se	ecty	, ·		. 6	PATE _	6-2	8-78
		<del> </del>		<del></del>							<u>۔۔ جسرت</u>		•

	eller le	relef of		LE	Engine	eer			DATE	3-30-73
	· · · · · · · · · · · · · · · · · · ·	houn on both side			se and comple	le to	the best of s	ny knowled.	e and belie	<u>,</u>
	T's and I					-011	La III			
5-Point wi	Sold, mod for for tal		Pineli	ne c	connect	ion	je ma		Witnessed	Ву
Tribbing Proces. 1285	Cosing Pressure	Calculated 24	1 1	ы. 5 <b>ТМ</b>	Gan - k	111	1	ler — Bbl. O	Oil	Stavily = API (Corr.)
<b>8-1</b> 8-73	8		Test Pe	rlod	0		370		)	·. • .
8-17-73	Hours Tested	Choke Size	lowing	For	OII - Bb1.		Gas - MCF	Wate	SI WO	OPL connection
First Projection	Produ	ction Liethod (Flor		ift, pum;		d typ	e pump)			is (Prod. or Shut-in)
4 shots.		· · · · · · · · · · · · · · · · · · ·	<del></del>	PROD	UCTION	<del></del>	1	250000	y MS ge	el wtr.
5 shots:856	66-8567-2	shots;86	16-861	L9 <del>-</del>	8381	-86		SF W/	25000共	20-40 sd &
Re-perf. 83	81-8387-		1		8455-6	00				15% NS w/l計/g D bbls KCl wtr
8455-60 - 1		•	• • · · · · · · · · · · · · · · · · · ·		DEPTH	INT		AMOL	INT AND KI	NO MATERIAL USED
1. Perforation Record	(Interval, size and	l number)	<u> </u>		32.	ACI	D, SHOT, FF	RACTURE.	CEMENT SO	QUEEZE, ETC.
							2-3/8"	83	51	8269
SIZE	ТОР	BOTTOM	SACKS C	EMENT	SCREEN		SIZE	DE	PTH SET	PACKER SET
9.	٠	INER RECORD		<u> </u>			30.		UBING REC	OBD .
45"	11.6&10		5'		7/8"		275 sx			
<b>13-</b> 3/8" <b>8-</b> 5/8"	48 <u>#</u> 24#	131	8'	17 <sup>1</sup> 12 <sup>1</sup>			00 sx 00 sx			<del></del>
CASING SIZE	WEIGHT LB.	/FT. DEPTI			LE SIZE			TING REC	ORD .	AMOUNT PULLED
ts.		<del></del>		RD (Re	port all string	set	in well)			
	Dual Late:		, FDC		•	<b>: :</b> ::			27.	Was Well Cored
25. Type Electric and C		·•	•	·	15.17	10.3		• •••		
	~ ~ ~	1-8619		:(-	20.00		e e ga			Mode NO
8865		825		•		٠-		<b>→</b> 0	-8865	25. Was Directional Survey
20. Total Depth	21. Plu	ig Back T.D.			ole Compi., Ho			ls , Rotar	y Tools	Cable Tools
5. Date Spudded 6-3-73	4	1					attons (DF. ) L2 KB	KNU, KT, (	N, elc.) 19	. Elev. Cashinghed 3597
West Line or	sec. 5 +	w. 185 ~	26	E NMP		$\overline{m}$	IXIII		Eddy	
mit feates					IIIII	77	THAT	TTTTT	12. County	mHHHH
L	LOCATED 1				th LINE AND	. 6	560			
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207 South	-	t- Artesi		88	210				10. Field	end Peel, or Wildcot
Yates Petro	oleum Cor	poration							<u> </u>	
MET Name of Oberator	ER DEED	IN BACK		esva. L	OTHER				Arms	trong "CT"
L TYPE OF COMPLE		_		سا ۱۹۹۲. سم	J OTHER AN	II E S	IA, OFFI			Lease Name
TYPE OF WELL	· en.	648	X	<u>_</u>	1	п	. C. C.		7. Unit As	reement Humo
Method C.			<del></del>		A ·	UG —	30 197	J	<u>(IIII)</u>	
OFFICE .		*	•					2	Kinn	mmmm
		WELL COMPL	E HON C	ik KEC	SALE III	<b>'C'</b>	ELA	ELL	5, Sinte O	Il & Con Leuse No.
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	•16	· ri	645	ল	با	١.					
TYPE OF COMPL	ETION	"	wer	ري: تا بي،	.pav ()	01×C*			<del></del> ,	H. Form	or Lesser (Prime
***. D			*t8	TENA. ST	PARE			,		Patte	rson EL
eme of Cherator	·	<u> </u>		· () • ()		97474				9. Well ?	_
Yates Petr	coleum Cor	pora	tion						·		2
odress of Cremion										10. Field	d w.J Poel, St Wildeet E.
207 South	4th Stree	t :	Artes	ia'. NM	883	210	•		Ħ	agle	Cr Atoka Morrow
ezation of Well										11111	
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serres N	•	660			South	h		2310			
PETTER	LOCATED	000	FEET !	/# 0M THE	<u> </u>	THE WALL	77.	TETTET	777.1.4	77777	77777/14/14/14/14
•	21	,	 	2615		11111	111			Eddy	
West Lint or	115 Colo 7 5)				NN-PW		7//	777777	777777		
i	1		i			.04./				n, rre. j. l	19, Elev. Cushingheas
12-28-78	1-30-7			2-15-79		,		<u>3422 G</u>	<u> </u>		
Total Depth	į.	عددة ب			l Meltı; i l <b>a</b> ny	e Cempl., H	sw.	25. interval Drilled	₽y ı		Cable Tools
TD 8942'		8928		<u>:L</u>					<u> → : 0</u>	<u>-8942</u>	
Producing Interval	s), of this complet	ties — T	ep, Bolle:	t, Name	• *						25, Was Pirectional Surve
•	8467-849	71 1	· Carra	• •							
		7 1	Morro	<i>~</i>					· .		. No
Type Electric and						•	•	-	•	27	. Was Well Uties
ENL/FDC, D	بلاط					·					No
•			CA:	SING RECOR	R (Rep	ort all string	s sel	tio well)			
CASING SIZE	WEIGHT LB.	FT. ·	DEPT	H SET	HOL	E SIZE	!	CEMEN	TING RECO	RD	AMOUNT PULLED
13-3/8"	48#	i	36	50'	17	715"	1	360 s	acks		
3-5/8"	24#	·	12	274	12	14"		1120	sacks		
5 <del>/</del> 2!"	15.5&1	7#	8	31'	7-	-7/8"		550 sa	rcks		
·					•		·		·		
1	L	INER RE	ECORD			<del></del>		30.	T	UBING RE	CORD
SIZE	TOP	807	TOH	SACKS CE	MENT	SCREEN		SIZE	DEF	TH SET	PACKER SET
								2-7/8"	84		8434'
								<del>                                     </del>			
Perferation Resort	(Interval, size and	number	/ (2	2 )		32.	ACI	D. SHOT FR	ACTURE. C	EMENT S	SOUEEZE, ETC.
3467-8475		•	` '-	- ,		DEPTH		<del></del>			CIND MATERIAL USED
			_	-		8467-					MSA, 28500#
491-8497	W/12. 50	nor	.es (2	: spr)			<u> </u>				& 21500 q
			•			<del> </del>					
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First Production	[Pendin	tien to	that Hila	cine, eas life		ng - Size an	1 1 2 2 2	or Purint		Well Sin	tes (Prod. or Shut-in)
_					. , ,,,,,,			. 117		SIVIC	
-14-79	Inwa Tested		OWING	Proffs. F	· ·	CH = 1161.		Gas = 55%	. Wasan	- 111.1.	Cus - Oil Hotto
	ì	1	_	Test Peri	ed [		, :	!	í	- 111.11	- Car Initio
-15-79	Seeles liverage		./2"			TSTM .		336	,_;	<del>-</del>	1
Tubling Press.	Casing l'ressure		ulated 24 Gare	•   Qal — ibbl. 	•	· livas y	-	. 1	4 = <u>,</u> 1441; •	10	el Cravity = Ai'l (Cor.)
20#	Pkr			1	=	2	<u>710</u>	<u> </u>			· •
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SQUARTY EDDY PASKEN, DAVID - 30-015-21059 Yates "6" Federal Sec 6, T-18-S, K-26-E 1980' FSL, 660' FWL of Sec nt. 3443 12-19-73- 3-21-74 13 3/8" at 509" w/1050 sx 8 5/8" at 1205" w/800 sx 4 1/2" at 8595" w/275 sx 70 8710 TO (Atoka) Perfs 8231-41 CAOF 760 MCFGPD. PBD 8420 GOR Dry; Grav (Gas) NA; SIWHP 1575# worked from State: Field colled Eagle Creck Strown w Warton orma autv 3436 GL 8800 7.R. 12-17-73 (Morrow) Dr1g 3770' 1m 12-31-73 Drlg 3770' lm
Drlg 6682' lm & sh
TD 7140'; Prep Drill Ahead
DST '7106-7140', open 1 hr, GTS in 33 mins @
35 MCFGPD, rcc 280' G & Cond CDF + 645' GCW,
1 hr 30 min 1SIP 2529#, FP 215-429#, 2 hr
FSIP 2476# 1-7-74 1-10-74 FSIr 24/09
TD 87.10'; Prep Run Csg
DST-8198-8246', open 2 hrs, GTS in 32 mins @
316 MCFGPD, rec 188' G & Cond CDM, 1 hr 30 min
ISIP 3000#, FP 88-225#, 4 hr FSIP 3000# 1-21-74 Undesignated 1 Yates "6" Federal Sec 6, T18S, k26E EDDY Page #2 FASKEN, DAVID 1-21-74 Continued DST3 (Morrow) 8434-88', open 1 hr, GTS in 28 mins @ 47 METGED, 1 hr ISIP 1476#, FP 108-108#, 2 hr FSIP 2850# 108%, 2 hr FSIP 2850%
DST'8500-50°, open 1 hr, GTS in 53 mins @
36 MCFGPD, rec 60° GCDF, 1 hr 30 min ISIP
3135%, FP 42-37%, 2 hr FSIP 3418%
TD 8710°; WCUU
TD 8710°; PBD 8420°; Tatg
Perf (Atoka) 8231-41° v/4 SFF
Acid (8231-41°) 1000 gals
Flwd @ 783 MCFGPD thru 3/4" chk, FTP 41%
TD 8710°; PBD 8420°; SI PBU 1-30-74 2-5-74 2-11-74 TD 8710'; PRD 8420'; Tstg
Flud 624 MCFGPD thru 3/4" chk, FTP 30#
TD 8710'; PBD 8420'; SI BPU
TD 8710'; PBD 8420'; WO Pot
TD 8710'; PBD 8420'; CCMPUSTE
(Atoka) FOUR FOINT CAUCES:
Flud 144 MCFGPD, 1/16" chk, 1 hr, TP 1480#
Flud 225 MCFGFD, 3/32" chk, 1 hr, TP 1091#
Flud 248 MCFGPD, 1/8" chk, 1 hr, TP 660#
Flud 570 MCFGPD, 3/16" chk, 1 hr, TP 674#
LCG TCPS: San Andres 673', Gloricca 2323',
Abo 4234', Wolfcamp Lime 5677', Pennsylvanian
Lime 7008', Canyon 7408', Strawn 7794', Atoka
8224', Morrow 8446', Kinsionippian Lime 8660'
COMPLETION REPORTED 2-20-74 2-26-74 3-2C-74 2-25-74

COMPLETION REPORTED

3-3C-74

.... W Potroleum Inform

30-015-21606 WPD 33 3/8" at 360' w/250 sx 18 5/8" at 1269' w/600 sx 4 1/2" at 8590' w/375 sx FA 3133 TP (Strawn) Perfs 8002-30' F 1320 MCFGFD. Pot based on 3 hr test thru 1/2" chk. GOR Dry; TP 215# 3442 GL Ard #4 F.R. 8-18-75 AMEND FIELD NAME: Formerly reported as Windesignated TD 1270'; WOC Drig 5300' Drig 7946' "Tight" 12-20-75 8-18-75 8-26-75 "Tight"

TO 8640'; PBD 8590'; "Tight"

DST (Morrow) 8348-8478', open 1 hr 30 mins,

rec 365' DN, 1 hr ISIP 451#, FP 132-132#, 4 hr

rec 365' PBD 8080'; Complete (Hold for Info)

TO 8640'; PBD 8080'; Complete (Hold for Info)

Perf (Strawn) 8092-96' w/17 shots

Acid (8092-96') 1000 gals 9-3-75 10-21-75 11-17-75 12-3-4 Wildcat 1 Patterson "EL" Sec 31, T17S, R26E EDDY YATES PETROLEUM CORP. Continued Swbd SW w/small show gas (8092-96') BP @ 8080' 8002-08' 8024-30' w/d 11-17-75 BP @ 8080'
Perf (Strawn) 8002-08', 8024-30' w/4 SPF
Acid (8002-30') 16,000 gals
TD 8640'; PBD 8080'; Complete
Strawn Discovery, No Suggested Field Name
Strawn Discovery, No Suggested Field Name
Nos 10S: San Andres 826'; Glorieta 2220',
Abo 4206', Wolfcamp Lime 5381', Strawn
Abo 4206', Wolfcamp Lime 5381', Strawn
7833', Atoka 6168', Morrow Clastics 8383',
Chester 8586'
COMPLETION ISSUED 12-15-75. COMPLETION ISSUED

12-20-75

12-3-4 NM IC 30 015 70017\_75

STATE NM -30-015-20874 EDDY COOLINA OIL CORP. um Superior - Federal Sec 1. T-18-S. R-25-E 1980' FNL, 1980' FEL of Sec an 3447 006-26-73 cm 8-7-73 13 3/8" at 501'
18 5/8" at 1306' w/600 sx
4 1/2" at 8648' w/350 sx IP (Morrow) Perfs 8430-45 CAOF 4817 MCFGPD. GOR dry; Grav
(gas) .635; SIWHP 2612# **∞** 8648 ≈ 8800¹ 3437' GL Moranco F.R. 6-11-73 (Morrow) AMEND FIELD: Formerly reported as Atoka, W. 9-8-73 7-2-73 Drlg 2455' Drig 2455'
Drig 5463'
Drig 7430'
Drig 7430'
DST'6868-6916', open 1 hr, GTS in 12 mins @ est
80 MCFGPD, rec 270' GCH & salt wtr+ 1280' GC salt
wtr, 1 hr ISIP 2392#, FP 352-625#, 1 hr 30 min
FSIP 2167#, HP 3229-3229#, BHT 180 deg
Drig 8563' im & sh
DST'7885-7919', open 1 hr, rec 10' DM, 1 hr
ISIP 225#, FP 50-50#, 1 hr FSIP 364#, HP 3853-3789#
BHT 129 deg 7-10-73 7-16-73 7-24-73 BHT 129 deg 10 Sec 1, T18S,R25E Wildcat Page #2 1 Superior - Federal TD 8700'; WOCU
DST'8405-66', open 1 hr, GTS in 5 mins @ 11,000
MCFGPD deer 10,500 MCFGPD in 5 mins & stab
@ 9500 MCFGPD in 10 mins, rec 60' distillate
+ 5' mud, 1 hr ISIP 3290#, FP 1102-1287#, 2 hr
FSIP 3290#, BHT 138 deg, HP 4041-4041#
TD 8700'; WOCU
TD 8700'; PBD 8648'; Prep Pot
Perf 8430-40', 8442-45' w/2 SPF
CAOF 4820 MCFGPD
TD 8700'; PBD 8648'; WO Pot COQUINA OIL CORP. 7-30-73 8-6-73 8-13-73 TD 8700'; PBD 8648'; WO Pot TD 9700'; PBD 8648'; WO Pot 8-20-73 8-27-73 TD 8700'; PBD 8648'; COMPLETE

(HOTTOW) FOUR POINT CAUCES:
Flwd 1526 MCIGPD, 2.5" Orifice, 2 hrs, TP 2312#
Flwd 2098 MCIGPD, 2.5" Orifice, 2 hrs, TP 2095#
Flwd 2713 MCIGPD, 2.5" Orifice, 2 hrs, TP 1361#
Flwd 3259 MCIGPD, 2.5" Orifice, 2 hrs, TP 1592#
Flwd 3259 MCIGPD, 2.5" Orifice, 2 hrs, TP 1592#
LOG TOPS: San Andres 800', Glorieta 2128', Tubb
3540', Abo 4114', Wolfcamp 5545', Pennsylvanian
6625', Morrow Sand 8345'
Morrow Discovery
COMPLETION REPORTED TO 8700'; PRD 8648'; COMPLETE

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A Leganonia into 30-015-21032 EDDY COQUINA OIL CORP.

2 Superior Federal

Sec 1, T-18-S, R-25-E

1980 FSL, 1980 FNL of Sec 12-6-73 3-20-74
13 3/8" at 495 w/550 sx
8 5/8" at 1256 w/558 sx
5 1/2" at 8677 w/450 sx TP (Morrow) Perfs 8434-45' CAOF 5629 MCFGPD. GOR NA; Grav (Gas) .626; (Cond) 58; SIWHP 2595# 8800 OFFE BLEV 3447 GL Cactus Morrow)
TD 1256'; WOC
Drlg 3140' 1m
TD 8622'; SD WOO
DST 8395-8573', open 45 mins, GTS in 2 mins @
4200 MCFGFD, rec 10' Cond + 355' GCM, 1 hr
4200 MCFGFD, rec 10' Lond + 355' GCM, 1 hr
4100\*, BHT 135 deg
TD 8622'; SD WOO
TD 8677'; PBD 8555'; Prep Comp
TD 8677'; PBD 8555'; Prep Pot
TD 8677'; PBD 8555'; Prep Pot
Perf 8434-8445' w/16 shots (overall)
Flud 4000 MCFGPD + 5 B Cond thru 24/64<sup>Th</sup> chk,
FTP 2025\* 12-13-73 12-19-73 . 1-3-74 1-10-74 1-16-74 1-23-74 FIP 2025# Morrow, W. Page #2 2 Superior Federal EDDY COQUINA OIL CORP. Sec 1, T18S, R25E TD 8677; PBD 8555; WO Pot
TD 8677; PBD 8555; WO Pipeline Conn
Acid (8434-8445) 3000 gals (7½7 MSA)
CAOF 5629 MCFCPD
TD 8677; PBD 8555; COMPLETE
(Morrow) FOUR POINT GAUGES:
Plwd 2503 MCFCPD, 2,25" orifice, 90 mins, TP
980# 1-30-74 2-1-74 . 4-8-74 Flud 2272 MCFGPD, 2.25" orifice, 90 mins, TP Flud 2053 MCFGPD, 2.25" orifice, 90 mins, TP 1602# Plwd 1831 MCFGPD, 2.25" orifice, 90 mins, TP 1210#

> Continued
> LOG TOPS: San Andres 800', Glorieta 2136',
> Tubb 3550', Abo 4164', Wolfcamp 5164',
> Pennsylvanian 6620', Morrow 8396'
> CONTESTION REPORTED 4-8-74 4-13-74

Glareita Mkr. (4734) 2714 To, Looks good on Loy

P.R. 7-14-75
(Morrow)
9-20-75
AMEND FIELD NAME: Formerly reported as Atoka, W.
7-21-75
Drlg 4140'
7-29-75
Drlg 6770'
8-5-75
Drlg 8160'
8-11-75
TD 8595'; "Tight"
DST (Morrow) 8352-8440', open 1 hr 40 mins, GTS 14
mins @ 295 MCFGPD chru 1/4" chk, SFP 185#, rec 675'
GCM, 1 hr ISIP 3524#, FP 262-414#, 4 hr FSIP 3546#,
HP 3964-3964#, BHT 140 deg
8-18-75
TD 8595'; WGCU "Tight"
9-15-75
TD 8595'; PBD 8515'; Complete
Perf (Morrow) 8387-8412' w/4 SPF
Acid (8387-8412') 2500 gals
Frac (8387-8412') 18,000 gals + 36,000# sd

EDDY Undesignated NM
YATES PETROLEUM CORP. 1 Haldeman "EN" Com. Page 2
Sec 31, T17S, R26E

9-15-75 Continued
LOG TOPS: San Andres 840', Glorieta 2223',
Abor 4192', Wolfcamp Lime 5366', Atoka 8142',
Morrow Clastics 8360', Chester 8570'
9-20-75 COMPLETION ISSUED

6-3-4 M

Undesignated YATES PETROLEUM CORP.

2 Marco "EC" State
Sec 36, T175, R25E
1980' FSL, 1100' FEL of Sec
3 mi SW/Artesia 30-015-21653 DG 10-16-75 👄 13 3/8" at 372' w/100 sx 8 5/8" at 1260' w/650 sx 4 1/2" at 8202' w/270 sx \*\*\* 8590' (MSSP) -- 8157'

\*\*\*TP (Strawn) Peris 7988-96' P 850 NCFGPD. Pot based on 2 hr 30 min test thru 3/4" chk. GOR dry, TP 464 1445' GL. 3462' KB " 8600' RI

F.R. 10-20-75 (Morrow)
Drig 5965'
TD 8150'; On DST Drig 5905'
TD 8150'; On DST
DST (Wolfcamp) 6719-6812', open 2 hrs 20 mins, GTS
in 15 mins @ TSTM, rec .64 GF gas + 1900 cc's SW
in 15 mins @ TSTM, rec .64 GF gas + 1900 cc's SW
@ 400# in Sampler, 1 hr ISIP 2312#, FP 193-526#,
4 hr FSIP 2100#, HP 3049-3049#
TD 8590'; WOCU
DST (Strawn) 7975-8150', open 1 hr 25 mins, GTS
in 13 mins thru 1/4" chk, SFP 32#, rec 120' DF,
1 hr 15 min ISIP 3064#, FP 131-131#, 2 hr FSIP
3064#, HP 3721-3634#, EHT 134 deg
TD 8590'; WOCU
TD 8590'; WOCU
TD 8590'; FBD 8157'; Complete (Hold for info)
Perf (Strawn) 7988-96' w/26 shots
Acid (7988-96') 1000 gals
Frac (7988-86') 8000 gals + 12,500# sd
Frac (7988-86') 8000 gals - 3-2-6 NM 10-30-75 11-6-75 11-12-75 11-17-75 2-23-75

KOOK YATES PETROLEUM CORP. Undesignated
2 Arco "EC" State
Sec 36, T17S, R25E

Page #2

ij

3-8-76

TD 8590'; PBD 8157'; Complete
LOG TOPS: San Andres 820', Glorieta 2220',
Abo 4180', Wolfcamp 5346', Lower Canyon 7355',
Strawn 7819', Atoka 8173', Morrow Clastics 8363',
Chester 8936'
COMPLETION ISSUED

COMPLETION ISSUED

3-2-6 NM IC 30-015-70072-75

3-13-76



YATES PETROLEUM CORP.

1 was Poweil "DO" Com.
Sec 35, T-17-S, R-25-E
660 FSL, 1980 FL of Sec
3 ml S & 2 ml W/Artesia
Re 6-13-75 8-2-3 NH 718 54 2727 13 3/8" at 391' w/250 sx 28.5/8" at 1238' w/610 sx 74.1/2" at 8561' w/250 sx - 8700 (PSSP) IP (Wolfcamp) Peris 6539-6683' F 2062 MCFGPD + 34 BOFD. Pot based on 24 hr test thru 1/2" chk. GOR 60,240, Grav (Cond) 50.6, TP 330# (Il. cross) Perfs 8355-85 No Change

(Wolfcamp)
(Orig. comp 8-22-74 thru (Morrow) Perfs 8365-86',
OTB 8700', OPB 8560')
TD \$700'; PBD 8560'; Complete
Perf (Wolfcamp) 6539-44', 6574-82', 6611-22',
6675-83' w/2 SFF
Acid (6539-6683') 21,000 gals
Wolfcamp Discovery, No Suggested Field Name
Morrow Completed in Atoka, W. Field
COMPLETION ISSUED

8-9-75

8-2-3 NM

6683' WO

STATE NM - 30-015-21237 90-0ms D-DG . 6-14-74 see 8-22-74 BATUM DATUM 13 3/8" at 391' w/250 sx 8 5/8" at 1238' w/610 sx 4 1/2" at 8561' w/250 sx \*\*8700! (MSSP) **№ 8560** TEMPORARILY COMPLETED SHUT IN GAS WELL 4.07. F.R. 6-10-74 (Morrow) TD 1238'; WOC Drig 3638' Drig 7858' 6-19-74 6-26-74 7-10-74 DST (Cisco) 6445-6653', open 2 hrs, GTS in 23 mins, rec 910' GCM, 1 hr 15 min ISIP 1043#, FP 295-375#, 3 hr FSIP 1734#, HP 3029-2976# TD 8700'; Prep Run Csg
DST (Morrow) 8261-8450', open 2 hrs, GTS
in 16 mins, rec 925' GCM, 1 hr 30 min ISIP
3032#, PP 342-479#, 3 hr FSIP 3206#, HP
3883-3866# 7-18-74 - KDDY 1 Powell "DG" Com. YATES PET. CORP.

Sec 35, T178, R25E TD 8700'; PBD 8560'; WOC
TD 8700'; PBD 8560'; Prep Comp
TD 8700'; PBD 8560'; WOCU
TD 8700'; PBD 8560'; WOCU
TD 8700'; PBD 8560'; "Tight"
TD 8700'; PBD 8560'; Temp Comp
Perf 8365-86' w/2 SPF
Acid (8365-86') 1000 gals
Frac (8365-86') 15,000 gals wtr + 17,000# sd
Flwd 1010 MCFGFD + 7 B0 in 24 hrs thru 3/4"
chk, GOR 143,400; Grav 56; TP 55# (8365-86')
TD 8700'; PBD 8560'; TEMPORARILY COMPLETED
This Well Drilled "Tight"
LOG TOPS: San Andres 778', Glorieta 2160', 7-24-74 7-31-74 8-8-74 8-26-74 9-16-74 10-7-74 LOG TOPS: San Andres 778', Glorieta 2160' Tubb 3510', Abo 4133', Wolfcamp Lime 5304'

10-7-74 Cisco 6435', Canyon 7341', Strawn 7781', Atoka 8115', Morrow 8304', Mississippian Line 8599'

COMPLETION REPORTED 10-12-74

YATES PETROLEUM CORP.

1 um Arco "EC" State 30-015-21472 8-4-2 NM Sec 36, T-17-S, R-25-E 660' FNL, 2310' FEL of Sec 2 ml SV/Artesia 3-20-75 - 5-29-75 12 3/4" at 376" w/250 sx 8 5/8" at 1276' w/1150 sx 5 1/2" at 8678' w/200 sx # 8678' (MSSP) \*\* 8610'

IP (Morrow) Perfs 8338-65' CAOF 46,106' MCFGPD, GOR 154,130, Grav (Gas) .628, (Cond) 50.7, SIWHP 2481# F.R. 2-3-75 (Morrow)
AMEND FIELD NAME: Formerly reported as Atoka 8-23-75 Drig 1915' lm Drig 4270' 3-26-75 4-1-75 Drlg 7240' 4-10-75 Drig 7240'
DST (Cisco) 6550-6810', open 1 hr 30 mins, rec
515' DM, 1 hr ISIP 1782#, FP 521 480#, 2 hr FSIP
1119#, HP 3141-3128#
Drig 8542' sh; "Tight"
DST (Strawn) 7958-8125', open 1 hr 30 mins, rec
510' DF, 1 hr 30 min ISIP 455#, FP 280-315#, 2 hr
30 min FSIP 524#, HP 3678-3678# 4-17-75 DST (Morrow) 8240-8382', open 1 hr 45 mins, GTS 4 mins, MTS 10 mins, Flwd @ 9500 MCFGPD thru 1/2" chk, SFP 1500#, rec 15' Cond (Grav 50.7) + 50' 8-4-2 NM Atoka, W. 1 Arco "EC" State Ю YATES PETROLEUM CORP. Page 2 Sec 36, T17S, R25E 4-17-75 Continued Continued
filt wir, 1 hr 30 min ISIP 3167#, FP 24302780#, 2 hr 15 min FSIP 3167#, HP 3889-3889#,
BHT 137 deg
TD 8678'; PBD 8610'; "Tight"
TD 8678'; PBD 8610'; Tstg "Tight"
Perf (Morrow) 8338-65' w/4 SPF
TD 8678'; PBD 8610'; WO Pot
TD 8678'; PBD 8610'; Complete (Hold for info)
Flwd 15,000 MCFGPD + 9 B Cond in 1 hr 45 mins,
3/4" chk (8338-65') 4-24-75 5-14-75 3/4" chk (8338-65!) TD 8678'; PBD 8610'; Complete (Horrow) FOUR POINT GAUGES: Flud 18,250 MCFGPD, 2.750" orifice, 60 mins, TP 1003# 8-18-75 Continued .

Continued
Find 13,171 MCFGPD, 2.750" orifice, 60 mins, TP 1776#
Flud 8495 MCFGPD, 2.750" orifice, 60 mins, TP 2106#
Flud 6354 MCFGPD, 2.750" orifice, 60 mins, TP 2215#
LOG.TOPS: San Andres 810', Clorieta 2209',
Abo 4171', Wolfcamp 5338', Cisco 6475', Canyon
7331', Atoka 8118', Norrow Clastic 8299', Chester
8510', Mississippian 8647'
COMPLETION ISSIED

COMPLETION ISSUED

EDDY COUNTY

NEW MEXICO

EAGLE CREEK FIELD

Well:

YATES PETROLEUM CORP, 1 ARCO "EC" State OWWORDER: GAS\_DC

2 mi SW/Artesta, 660' FNL, 2310' FEL Sec 36,175-258.

(Orig comp 5-29-75 thru (Morrow) Perfs 8338-65', OTD 8678', OPB 8610'; OWWO & Re-comp 3-28-78 thru (Strewn) Perfs 7952-78', OTD 8678', OPB 8610'; OWWO & Re-comp 3-28-78 thru (Strewn) Perfs 7952-78', OTD 8678', OPB 8043")

Spell: 3-20-79; Comp: 7-11-79; Elev: 3453' Grd; TD; 8678' Miss; PBL 8043'

Casing: 12-3/4" 376'/250 m; 8-5/8" 1276'/1150 m; 5-1/2" 8678'/200 m

Prod Zone: (Permo-Penn), T/Pay 6534', Prod thru Perfs 6534-6692'

IPFL 395 MCFGPD/24 hr test thru 1/4"ch, Grav NR, GOR NR, TP NR

Comp Infe: Set RBP @ 7884', Perf (Cag Sagd) @ 7750' w/4 shots, Sqid 7750'/350 x,

Perf(Permo-Penn) 6534-41', 6546-50', 6608-17', 6681-92' w/2 SPF, A/8000 gals

Total NR

API Ng: 30-015-21472

Petroleum Informatione

Carron of the comp

Petroleum Informations

Dete: 11-21-79 Cord No.: 4 gb

EDDY COUNTY

NEW MEXICO

FAGIF CREEK FIELD

Weti:

YATES PETROLEUM CORP, 1 Arcq "EC" State OWWO

Result GAS DG

2 mi SW/Artesia; 660' FNL, 2310' FEL Sec; 36-175-25E; (Orlg comp 5-29-75 thru Morrow peris 8338-65, OTD 8678', PB 8610')

Spud:3-20-79; Compu3-28-79; Elev:3453' Grd; TD:8678' Miss; Pb:8043'

Casting: 12-3/4" 376'/250 sx; 8-3/8" 1276'/1150 sx; 5-1/2" 8678'/200 sx

Fred Zone (Strawn), T/Pay 7952', Prod thru Peris 7952-78'

IFI: 331 MCFGPD 1/4" ch, CP pir, 'IF 2328

Comp Info: set BP (\$\infty\$ 8043'; Perf (Strawn) 13/7952-78', frac w/20,000 gals acid 6

10,000 gals CO 2;

Tops: NR

API No: 30-015-21472

Petroleum Informations

Date: 4-25-79 C

EDDY YATES PETROLEUM CORP. Caskey 'EV' Com. Sec 30, T175, R26E 660' FSL, 1400' FWL of Sec 2 mi S/Artesia WSD 11-19-75 🛥 13 3/8" at 360' w/250 sx 8 5/8" at 1282' w/600 sx 4 1/2" at 8451' w/470 sx 3118 ## 8570' (MSSP) ## 3451'

IP (Atoka) Perfs 8015-8166' F 4660 MCFGPD + 4 B Cond. Pot based on 3 hr test thru 1/2" chk. GOR 105,820; Grav (Cond) 53; TP 725# Ard P.R. 11-24-75 (Morrow) AMEND FIELD NAME: Formerly reported as Undesignated Drig 6485'
Drig 8045'
TD 8570'; "Tight"
TD 8570'; PBD 8451'; Comp (Hold for Information)
DST (Strawn) 7784-7910', Mis-Run
DST (Strawn) 7790-7910', open 1 hr 30 mins, GTS in 7 mins, rec 295' DM, 1 hr ISIP 2944#, FP 140-140#, 3 hr FSIP 2979#, HP 3576-3451#
DST (Atoka) 7994-8045', open 3 hrs, GTS immed, no ggs, rec 180' Cond + 657' Cond & GCi, 1 hr 30 min ISIP 3039#, FP 239-425#, 5 hr FSIP 3013#, HP 3643-3535#, BHT 134 deg AMEND FIELD NAME: Formerly reported as 2-14-76 12-10-75 12-17-75 2-2-76 min ISIP 30597, 11. 3643-35354, BHI 134 deg 2-2-6 Wildcat KDDA Page #2 YATES PETROLEUM CORP. 1 Caskey "EV" Com. Sec 30, T17S, R26E 2-2-76 Continued Perf (Atoka) 8015-34', 8140-46', 8160-66' w/4 SPF
Acid (8140-66') 2000 gals
(rac (8140-66') 16,000 gals + 21,000# ad
Acid (8015-34') 2000 gals
Frac (8015-34') 22,500 gals + 30,000# ad
TD 8570'; PED 8451'; Complete
Atoka Discovery in Undesignated Morrow Field,
No Suggested Field Name
LOG TOPS: San Andres 848', Glorieta 2239',
Abo 4211', Wolfcamp 5362', Cisco 6680',
Strawn 7580', Atoka 7985', Morrow Clastics
8298', Chester 8484'
COMPLETION ISSUED 2-2-6 NM 2-9-76

U

F.R. 6-16-75
(Morrow)
6-18-75
TD 1280'; Rng 8 5/8" csg
6-23-75
Drlg 4130'
7-1-75
Drlg 7880'
7-14-75
TD 8530'; "Tight"
No Cores or DST's
9-15-75
TD 8530'; PED 8512'; Complete
Perf (Morrow) 8282-8370' w/4 SFF
Natural
LOG TOPS: San Andres 803', Glorieta 2205',
Abo 4172', Wolfcamp Lime 5323', Lower Canyon
7295', Strawn 7743', Atoka 8050', Morrow Clastics
8240', Chester 8480'
9-20-75
COMPLETION ISSUED

9-3-2 NM

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30-015-21559
                                     melindes leneted
   Y.DDY
    MESTERN OIL PRODUCERS, INC.
   Pilas

See 23, T-17-8, 1-25-K

560' Fil. 2310' Fil. of Mag
     2 mi My Actuals
    6-13-73 - 6-14-73
12 3/4" at 504" w/400 ex
8 5/8" at 1261' w/1160 ex
5 1/2" at 8508° w/575 ex
IP (Morrow) Perfs 8250-60' CAOF 17,025 MCFGPD, GOR Dry; Grav
(Ges) .655; SIMHP 21196 (Called )
9100' RT
                                y.R. 6 9 75
                                (Devonish)
AMEND FIELD NAME: Formerly reported as
                                 Wildcat
AMEND FOOTAGE: Formerly reported as 330' FSL,
2310' FWL of Sec
TD 1260'; Drig Cmt
Drie 3000'
      11-1-75
      6-23-75
                                 pris 3990'
pris 6818'
pris 8440'
       6-17-75
        6-23-75
        6-30-75
                                    DST (Morrow) 8190-8540', open 1 hr 30 mins, GTS
        7-7-75
                                   prls 9520'
                                    in 3 mins, rec 200' GCM, 2 hr ISIP 2728f, FP
         7-15-75
                                     350-279#, 4 hr FSIP 2833#, HP 3959-3959#
                                                                                              11-1-3 NM
      4.5
           EDDY Undesignated
EDDY 2 Flint
WESTERN OIL PRODUCERS, INC. 2 Flint
Sec 25, T17S, R25E
                                                                                                          Page #2
           EDDY
                                     Continued

DST (Devonian) 9110-35', open 30 mins, no
rec, 1 hr ISIP 2756#, FP 33-46#, 2 hr FSIP

2254#, HP 4262-4217#

TD 10,243'; "Tight"

TD 10,243'; PBD 8508' Completing "Tight"

TD 10,243'; PBD 8462'; Complete (Hold for info)
Perf (Morrow) 8250-60' w/2 SPF

Acid (8250-60') 2000 gals

Frac (8250-60') 70,000 gals + 49,000# sd

TD 10,243'; PBD 8462'; Complete

(Morrow) FOUR FOINT GAUGES:
            7-15-75
              7-21.75
              7-28-75
              8-4-75
            10-13-75
                                          TD 10,243; PBU GAUGES:
(MOTTOW) FOUR POINT GAUGES:
Plud 2060 MCFGPD, 13/64" chk, 60 mins, TP 1976#
                10-27-75
                                           Continued
Flud 1446 MCFGPD, 11/64" chk, 60 mins, TP 1968#
Flud 961 MCFGPD, 9/64" chk, 60 mins, TP 1988*
Flud 961 MCFGPD, 8/64" chk, 60 mins, TP 2022#
Flud 759 MCFGPD, 8/64" chk, 50 mins, TP 2022#
LOG TOPS: San Andres 810', Glorieta 2180',
LOG TOPS: San Andres 810', Glorieta 2180',
Tubb 3422', Abo 4138', Cisco 6427', Carryon
Tubb 3422', Abo 4138', Mississippian 8420',
Devonian 9100'
COMPLETION ISSUED
                  10-27-75
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COMPLETION ISSUED

11-1-75

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1170Y
                  12 3/4" at 361' w/215 sx
8 5/8" at 1225' w/1050 sx
4 1/2" at 8190' w/500 sx
                                                                                                                                                                                        34 , 1 3/4
      IP (Straws) Perfs 5003-18" F 2380 M3FGPD + 1 B Cond. Pot based on 24 hr test thru 1/2" chk, GOR 203,770, Grav (Cond.) 51., TP 3604
             360#
                                                                                                                                                                                                                                                                                                                                                  87.00' RT
                                                                                                              F.R. 5-19-75
                                                                                                             (Morrow)

AMEND FILD MANE: Forgerly reported as Monseau

AMEND LEASE NAVE: Formerly reported as Monseau

HDEN'T Fee Com.
                                                                                                              APEND LEASE NAVE: Formerly reported as Monseau "DK" Fee Com.
TD 3263'; Trip
Prlg 6270'
Drlg 8050'
DST (Cleco) 259-6580', open i hr 30 cins, GS
22 mins @ 265 NOFG7D, rec 540' HCCM ÷ 390' DM,
22 mins @ 265 NOFG7D, rec 540' HCCM ÷ 390' DM,
2360#, HP 3009-2939#
2360#, HP 3009-2939#
DST (Strawn) 7939-8028', open i hr 30 mins, GTS
22 mins, No gauge, rec 510' Sli GCM, 1 hr 15 min
1SIP 2868#, FP 105-110#, 2 hr FSIP 2868#, HP 3713-
3713#, BHC 140 deg
                           9-20-75
                             6-9-75
                               5-28-75
                                6-3-75
                                                                                                                                                                                                                                                                                                                      9-3-3 NM
                                                                                                                                                                                                                                1 Manseau "EK" Fee Com.
Sec 35, T175, R2E P
                                                                 YATES PETROLEUM CORP.
                                                                                                                                          TD 8455'; WCCU "Tight"
TD 8455'; SI "Tight"
TD 8455'; PBD 8190'; Complete
TD 8455'; PBD 8190'; W/4 SPF
Perf (Strawn) 8003-19' w/4 SPF
Acid (8003-19') 1500 gals
Frac (8003-19') 10,000 gals wtr + 20,000$ sd
Frac (8003-19') 10,000 gals wtr + 20,000$ sd
Frac (8003-19') 10,000 gals wtr + 20,000$ sd
Frac (8003-19') 10,000 gals wtr + 20,000$ sd
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Frac (8003-19') 10,000 gals wtr + 20,000$
                                                                    7-14-75
                                                                       7-28-75
                                                                         9-15-75
                                                                                   9-20-75
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9-3-3 NM

:

STATE NM 30-015-21055 سم EDDY WESTERN OLL PROD. INC. 1 was Flint Sec 25, T-17-S, P-25-B 1980' FSL, 660' FWL of Sec ... 2-6-74 cm 4-18-74 12 3/4" at 600' w/500 sx 8 5/8" at 1189' w/550 sx 4 1/2" at 6900' w/600 sx 10 8507' (CSTE)

IP (Cisco) Perfs 6480-6534 CAUP 19,000 MCFGPD. CCR (Dxy), Grav (Gas) .688 STWHP 1628#

2467' Cl. 3482' Doo 8800' TYPE RT

P.R. 1-7-74 (Morrow) Drlg 8150' Drlg 8150'
TD 8507', WOCU.
DST (Atcks) miss-run
DST (Atcks) miss-run
DST (Cisco) 6460-6707', open 1 hr 15
mins, GTS in 5 mins @ 482 MCSGPD, rec
mins, GTS in 5 mins @ 482 MCSGPD, rec
2 ur FSIP 2019#
DST (Morrow) (NA)

2 ur FSIP 2019#

DST (Morrow) (NA)

TD 8507'; PB 6600'; SI WO Pipeline Corn

Perf (6480-6534') (overail)

Acid (6480-6534') 27 500, gals

Flwd 2.43 MMCFGPD, 1664 ch

TD 8507'; P3D 6600'; WO Pipeline Conn

4-25-74

EDDY Wildcat
WESTERN OIL PROD., INC. #1 Flint
Sec 25, T17S, R25E Page #2

TD 8507'; PB 6600'; COMPLETE

Cisco FOUR POINT GAUGES:
Flwd 613 MCFCPD, 8/64" chk, 1 hr, TP 1621#
Flwd 971 MCFCPD, 10/64" chk, 30 min, TP 1610#
Flwd 1656 MCFCPD, 13/64" chk, 30 min, TP 1595#
Flwd 2476 MCFCPD, 16/64" chk, 30 min TP 1500#
Flwd 2476 MCFCPD, 16/64" chk 30 min TP 1500#
Flwd 2476 MCFCPD, 16/64" chk 30 min TP 1500#
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Flwd 2476 MCFCPD, 16/64" chk 30 min TP 1500#
Flwd 2476 MCFCPD, 16/64" chk 30 min TP 1500#
Flwd 2476 5-20-74

Cisco Discovery COMPLETION REPORTED

3-1-74 3-18-74

4-22-74

VATES PETROLEUM CORP.

1 Gosset "EU" Com.

Sec 26, T17S, R25E

1650' FSL, 1980' FWL of Sec

2 1/2 mi SW/Artesia

6-12-1-75 R2-12-15-75 13 3/8" at 340" w/250 sx 8 5/8" at 1220' w/1000 sx 4 1/2" at 7824' w/610 sx TP (Wolfcamp) Porfs 6624-44' F 2070 MCFGFD. Pot based on 12 hr test thru 1/2" chk. GOR dry; TP 240# (Strawn) Perfs 7792-7819' No Change OMMO F.R.C. 4-24-76
(Wolfcamp)
(Orig. comp 12-5-75 thru (Strawn) Perfs 7792-7819',
OTD 8420', OPB 7821')
TD 8420'; PBD 7821'; Complete
TD 8420'; PBD 7821'; Complete
Perf (Wolfcamp) 6624-44' w/72 shots
Acid (6624-44') 30,000 gals
COMPLETION ISSUED
4-4-6 NM F.R.C. 4-24-76 4-19-76 . 4-24-76 RDDT Gossett 'Eu'!

Sec 26, T175, R25E

1650' FSL, 1980' FWL of Sec

3 mi SW/Artesia

9-18-75 Grant 12-5-75 30-015-21627 Undes ignated 13 3/8" at 340' w/250 sx 8 5/8" at 1220' w/1000 sx 4 1/2" at 7824' w/610 sx IP (Strawn) Perfs 7792-7819' F 450 MCFGFD. Pot based on 12 hr 7821'

.

T

F.R. 9-22-75
(Motrow)

9-24-75
Drig 2565'
10-2-75
Drig 5783'

10-8-75
TD 7900'; Prep DST
10-14-75
TD 8420'; "Tight"

DST (Strawn) 7780-7900', open 1 hr 30 mins, GIS in 17 mins, rec 650' DM + 150' s11 GCM, 1 hr 5 min ISIP 2048#, FP 176-228#, 3 hr FSIP 2400#, HP 3570-3505#

10-27-75
TD 8420'; FBD 7821'; WOCU "Tight"
1-19-76
TD 8420'; PBD 7821'; Complete (Hold for Info) Perf (Strawn) 7792-98', 7814-19' w/2 SPF Acid (7792-7819') 1500 gals
Prac (7792-7819') 12,000 gals + 20,000# gd

EDDY Undesignated
YATES PETROLEUM CORP. 1 Gossett "EU"
Sec 26, T17S, R25E

RM Page #2

2-9-76

TD 8420'; PED 7821'; Complete
LOG TOPS: San Andres 792', Abo 4124',
Wolfcamp 5323', Pennsylvanian 6535',
Canyon 6684', Strawn 7515', Atoka 7930',
MOTTOW Clastics 8202'
COMPLETION ISSIED

2-14-76 COMPLETION ISSUED

2-2-4 NM IC 30-015-70042-75

KENNEDY FARMS FIELD NEW MEXICO EDDY COUNTY Well: YATES PET. CORP. I Siengenthaller "IS" Com. \*\*I mi SE/Artesia, 1980' FSL 660' FEL Sac 21-17S-26E.

Spud: 11-7-77; Comp: 12-20-77; Elev: 3362' grd; TD: 8670' Miss; PB: 8607'
Casing: 13 3/8" 460'/340 sx, 9 578" 1420'/1025 sx, 5 1/2" 8647'/335 sx

Prod Zone: (Atoka) T/Pay 8194', prod than perú 8194-8298'
FFI 675C MCFCPD, 3/4" ch, COR NR, Grav NR, CP pkr, TP 460#
FFI 3750 MCFCPD, 1/2" ch, COR NR, Grav NR, CP pkr, TP 570#
Comp info: DST (Cany) 712'.7230', op 2 hrs, rec 4' SW, (Sampler sec .032 CFG 5 2200 cc's wtd, 1 hr 30 min ISIP 142#, FP 106-106#, 3 hr FSIP 142#, Hr 3300-33001, DST
(Atoka) 8112-8305', op 1 hr, CTS 9 min @ 9100 MCFCPD, 1/2" ch, rec 439' cond 5 446
GCM, (Sampler sec 22.58 CFG), 1 hr 30 min ISIP 2654#, FP 1887-2015#, 3 hr FSIP 2611
HP 3976-3976#; Perf (Morrow) 8404-13', 8422-30' w/4 SPF; natural; Perf (Atoka) 8194-820', 8236-43', 8288-98' w/2 SPF; natura; Morrow Completed 12-15-77; ran CNI, FD
5 DILL logs; C/Morraco 86.

Tops: (EL) San And 970', Glor 2350', Abo 4398', Wolfe 5502', Cisco 6660', Cany 7394',
Strawn 7844', Atoka 8182', Morrow Clartics 8401', Chester 8625'

API No.: 30-015-22329 Locn: 1 mi SE/Arteria, 1980' FSL 660' FEL Sec 21-175-26E. Petroleum Informations
Oote: 4-12-78 UNDESIGNATED FIFED

PDDY COUNTY NEW MEXICO
YATES PETROLEUM CORP, 1 Jackson "GM" Com Loca: 1 mi SW/Artesia; Sec 24-17S-25E; 660' FSL, 1650' FWL Sec

Speck 8-27-76; Comp:11-3-76; Elev: 3468' Grd, TD:8383' Miss; PB:8340' • Casing: 13-3/8" 318'/150 x; 8-5/8" 1245'/810 x; 4-1/2\* 8377'/250 sx

Prod Zone: (Morrow), T/Pay 8120', Prod thru Peris 8120-8278' [PF: 2260 MCRCPD +9 B C 3/4" ch, Grav (cond) 35.6, GOR 241, 800-1, TP 140// Comp Info: DST (Morrow) 8080-8178', op 1 hr 25 mins, GTS 5 min 6 stab @ 2022 MCRCPD 1/2" ch, SFP 3084, rec 590' GCDM w/trace cond, ISIP 31034'/1 hr, FP 524-5684, FSIP 31034'/2 hrs, HP 3936-39364, BHT 132 deg; Perf (Morrow) 8120-26', 8144-62', 8268-74'/4 SPF/ A /1000 gals; frac w/5000 gals 6 15004 sd; ran CNDL, FDC, DILL logs; C/Ard; A /2500 gals

Tope El: San And 817', Glor 2219', Abo 4160', Wolfe 3375', Penn 5528', L/Canyon 7205', Strawa 7426', Atoka 7831', Morrow Clastics 8111', Chester 8286'

API Not 30-015-21896

Petroleum Informatione

COPYRIGHTED 197

Date: 12-8-76

· · · · · · · · · · · · · · · · · · ·				-	بخليبة ماليتينية ا
man_EDDY		<u>designated</u>		news NM	
	ETROLEUM CORP.				15-21607
	City of Artesia "EQ" Com.			10-4	-3 NM
Sec 24	T-17-S. R-25-E				
1650' E	SL, 1980' FEL of	Sec			
1 mi Sk	/Artesia				
8-16-75	9-18-75 من		D	DG	·
H .		PROMPTER	9407/41	. Personnes	garini
13 3/8" at	369'=w/250 ax		· ·		
5/8" at 1	262 w/1325 ex		T - 1		
1/2" at 8	3277' w/545 ax				
•					
			1		
		8406' (	MSSP)	- 8243 <sup>1</sup>	
P (Morrow)	Perfs 8133-39' 1	2360 MCF0			nt .
	hr test thru 1/2				-
Cond) 54.2		cus. gos		, 014 (04	, (ши),
(00110)	, 11 3234				
		<u> </u>			
- Ard 16		3450' G	L_	<u>~ 8600</u>	RT
	• •			•	
				• .	
		٠.			
			•		**
	F.R. 8-18-75	-			
	(Morrow)				
10-25-75	AMEND LEASE NA	ME: Forme	rly repo	rted as Cit	y of
	Artesia "ED" C	ош.			
8-18-75	Dr1g 855				
8-26-75	Drlg 4036	•		•	
9-3-75	Drlg 7159	•		•	
	DST (Cisco) 64	35-6650',	open 1 h	r 20 mins,	rec
	420 GCM, 1 hr	20 mins I	SIP 2387	#, FP 212-2	12#,
	4 hr FSIP 2387	#, HP 3079	-3079#	_	•
<b>9-22-</b> 75	"Tight"				
9-29-75	TD 8406'; PBD	8243'; Com	plete (H	old for inf	0.)
	Perf (Morrow)	8133-39' w	4 SPF		•
•	Acid (8133-391	) 1000 gal			
	Frac (8133-391)	10.000	18 4 15	0006	
		Be	T 43;	· VV UT EU	

EDDY YATES PETROLEUM CORP. Undesignated NM 1 City of Artesia "EQ" Com. Sec 24, T17S, R25E Page #2

TD 8406'; PBD 8243'; Complete
LOG TOPS: San Andres 820', Gloretta 2135', Abo
4162', Wolfcamp 5338', Strawn 7638', Atoka 7936',
Chester 8264'
COMPLETION ISSUED

YATES PETROLEUM CORP.

Nellor 'EO" Com.
Sec 30, T175, R26E

1980' FNL, 660' FWL of Sec
I mi S/Artesia

1-15-76 \_\_\_ 2-8-76 13 3/8" at 340' v/250 sx 8 5/8" at 1300" v/900 sx CA 2574 8475' (MSSP) DRY & ABANDONED 8800' RT P.R. 6-30-75 F.E. 6-30-75
(Morrow)
Drig 2385'
TD 5620'; Trip
Drig 8095'
TD 8475'; D&A (Hold for Tops)
TD 8475'; D&A (Bold for Tops)
DST (Atoka) 8020-8147', open 1 hr 30 mins, rec
PST (Atoka) 8020-8147', open 1 hr 30 mins, rec
470' DF, 1 hr 30 min ISIP 22824, FP 185-169‡,
3 hr FSIP 2883‡, HP 3774-3748‡
TD 8475'; Dry & Abandoned
10G TOPS: San Andres 815', Glorieta 2210', Abo
1198', Wolfcamp 5335', Canyon 7295', Strawn 7534',
Atoka 7937', Morrow Clastics 8238', Chepter 8422'
COMPLETION ISSUED
3-1-5 NM 1-20-76 1-27-76 2-4-76 2-10-76 3-1-76 3-6-76

EDOY I me Und	esionated		NM .	ر محمد محمد الم
YATES PETROLEUM CORP.				21607
1 City of Artesia	"EQ" Com.		4-4	-5 NH
Sec 24, T175, R25E	,			
1650' FSL, 1980' FEL of	Sec			
l mi SW/Artgaia	4			
2-11-15-75 L 11-30-75		DX	m DG	
		-	-	<b>Billion</b>
13 3/8" at 369' w/250 sx	3445	. 650		
3 5/8" at 1262' w/1325 sx		:		
4-1/2" at 8277" w/545 8x				
			{	
	- 8406' (MS		<b>≈</b> 8243¹	

(Morrow) Perfs 8133-39' No Change

6600' WO \*\*\*\*\*\* 3450' GL iden de la composition della composition de la composition de la composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della c

10 P.R.C. 4-24-76 CMWO

(Welfcamp)
(Orig. comp 9-18-75 thru (Morrow) Perfs. 6133-32',
OTD 8406'; PRO 8243'; Complete
Perf (Wolfcamp) 6530-40', 6595-6600' w/30 shots
Acid (6530-6600') 14,500 gals

4-19-76

COMPLETION ISSUED 4-24-76

Result: GAS Well: YATES PET. CORP. I Lanning "JC" Com. Lec'n: 1 and W/Asoka, 660' FNL 2310' FEL Sec 7-185-266... Speak: 9-23-78; Cornet II-7-78; Elev: 3417' grd; TD: 8810' Morrow; PB: 8683'

Casting: 13 3/8" 423'/300 sx, 8 5/8" 1335'/1010 sx, 4½" 8732'/325 sx

Prod Zonet (Morrow) T/Pay 8544', prod thru perfs 8544-97'

[PF: 900 MCFGPD, 1/2" ch, GOR NR, Grav NR, CP pler, TP 143#

Comp Info No DST's; Perf (Morrow) 8544-97'; A/3000 gals (7½%); frac w/30,000 gals C

Tops: (EL) San And 887', Glor 2288', Abo 430S', Wolfe S407', Cany 7460', Strawn 7525',

Aboka 8303', Morrow 8516'

API No.1 30-015-22689 Replaces Card #13, dated 12-13-78 to show results of well from Temp Comp E lease from J. E. Lanning Com. (%) Petroleum Informatione Date: 2-7-79 EDDY COUNTY . NEW MEXICO ATOKA FIELD MADDOX ENERGY CORP. 1 Spencer Com Well: DC loca: 2 ml N/Dayton, 1650' FNEWL's Sec 9-185-26E. Space 4-14-77; Comp: 8-1-77; Elev: 3377° grd; TD: 9003' Miss; PB: 8958' Casting: 13 3/8' 375'7375 sx, 8 575" D562'/1140 sx, 4 1/2" 2003'7500 sx Frood Zome: (Morrow) T/Pay 8702', prod thru peris 8702-35' BF CAOF: 779, 000 CFGPD, GOR dry, Grav (gas). 611, SIVHP 27738 Comp Lato: DST (Morrow) 8570-9003', op 3 hrs 30 min, GTS 35 min @ 264 MCFGPD, 1/4" ch, nc 770' CCM (Sampler nec 2, 203 CFG @ 5004), 1 hr 30 min ISFP 33708, FP 300-4858, 9 hr FSIP 36678, HP 4356-43968, BHT 150 deg; DST (Morrow) 8660-9003', op 6 hrs, GTS 30 min @ 274 MCFGPD, 1/4" ch, nc 512' CCDF, (Sampler nec 2, 25 CFG), 1 hr ISIP 37698, FP 338-5398, FSIP 36848, HP 4388-43468, BHT 147 deg; Perf (Morrow) @ 8702', 8704', 8706', 8733', 8734', 8735' w/l SPI; S/44 BW/A hrs 30 min, S/dry; A/350 gals; F/75 MCFGPD, 3/4" ch; A/2000 gals; F/506 MCFGPD, FTP 638; (Morrow) Four Point Gauges: F/121 MCFGPD, 0.750" orifice, 60 min, TP 24708; F/186 MCFGPD, 0.750" orifice, 60 min, TP 22708; F/336 MCFGPD, 0.750" orifice, 60 min, TP 19248; F/645 MCFGPD, 0.750" orifice, 60 min, TP 1978; C/Moran Drig.

Tops: (EL) San And 1230', Tubb 3252', Abo 4370', Clsco-Cany 7658', Strawn 8053', April No.: 30-015-22121 COPYRIGHTED 1 Petroleum Informatione EAGLE CREEK, E/FIELD EDDY COUNTY NEW MEXICO . YATES PETROLEUM CORP, 9 Jackson "AT" Com. Result OIL DO Well: 1/2 ml W/Artesia; 660' FSL, 660' FWL Sec 13-1 75-25E Loc n: Spud:1-30-79; Comp:3-27-79; Elev:3465' Cbl; TD:8400' Chester; PB:8022' Casing: 13-3/8" 303'/375 ex; 8-5/8" 1206'/1300 sx; 3-1/2" 8400'/475 ax Prod Zones (Morrow), T/Pay 7992', Prod thru Peris 7992-8007' IPH 3250 MCFCPD 1/2" ch, CP pkr, TP 520/ Conin Into: ran CNL, FDC, DILL logs; no cores or DSTs; Perf (Morrow) 10/7992-8007', frac w/40,000 gals 6 23,000' sd and 8000 gals CO 2; C/Capizan #14 Toje El: Claco 6310', L/Canyon 7130', Strawn 7551', Atoka 7851', Morrow Clastics 7985', Chester API Nox 30-015-22799

NEW MEXICO

EDDY COUNTY

Petroleum Information

EAGEL CREEK, E. FELD

EDDY COUNTY KENNEDY FARMS FIELD Well: YATES PETROLEUM CORP, 1 Kennedy "JQ" Com. Result CAS DC Lach: 3 mi S/Artesia; Sec 33-175-26F; 2510' FNL, 660' FEL Sec Soud-3-22-78; Compet-6-78; Elev: 3339' Grd; TD:8732' Morrow; PB:8666' Casing: 13-3/8" 429'/350 sx; 8-5/8" 1443'/850 xx; 4-1/2" 8726'/570 sx Frod Zone: (Morrow); T/Pay 8600', Frod thu Perfs 8600-16'
[PF: Z300 M:CFGPD, 1/2" ch, CP pkr, TF 380#
Comp Infor ran CNL, FDC, DILL logs; Perf (Morrow) 8600-18'/4 SPF; A/3000 gals (7-1/2%); C/Moranco
Tops EL: Atoka 8350', Morrow Clastics 8568', Chester 8787'
API Not 30-015-22548 Petroleum Informations Date: 8-2-78 EDDY COUNTY UNDESIGNATED FIELD YATES PET. CORP. 2 Mitchell "IN" Result: TEMP COMP SUS 2 ml SW/Artesia, 2030' FSL660' FEL Sec 23-175-25E. Spad: 8-9-77; Comp: II-7-77; Elev: 3476' grd; TD: 9500' Morrow; Casing: 13 3/8" 358'/280 sx, 8 5/8" 1262'/1310 sx, 5 1/2" 9500'/1335 sx Comp Info: "tight"; Suspended Operations; C/Moranco #9. Top: NR API No. 1 30-015-22242 Petroleum Informations E. EAGLE CREEK FIELD EDDY COUNTY NEW MEXICO YATES PETROLEUM CORP. 7 ingram-jackson "BV" Re 2-1/2 mi SW/Artesia, 1980' FNL, 1980' FEL Sec 26-17S-25E Lec's: Sond: 1-19-79; Comp: 6-22-79; Elevi 3338' Grd; TD: 8430' Morrow; PB: 8288' Casing: 13-3/8" 380'/375 sx; 8-5/8" 1220'/850 sx; 4-1/2" 8430'/470 sx Prod Zone: (Ataka-Morrow), T/Pay 8030', Prod thru Peris 8030-8245' PF: 910 MCFGPD, /24 hr etst thru 24/64"ch, Grav NR, GOR 114,000, CP Par, TP 2608 260#
Comp Info: DST(Strawn) 7845-7290', mis-run, DST(Strawn) 7845-7920', op 1 hr 30 min w/wk Blow, rec 87' DF, 1 hr 30 mins ISIP 142#, FP 113-113#, 3 hr FSIP 142#, HP 3677-3648#, BHT 130 dec., Ref (Atoka) 8030-74' w/23 shots, A/2000 gals, Frac 30, 000 gals + 22, S00#sd, Perf (Morrow) 8132-39' w/4 SF, A/1200 gals (7-1/2%) Perf (Morrow) 8236-45' w/ 2 SF, A/1500 gals, Frac 9000 gals + 10, 500# sd, ran CNL, FDC, DHL, logs, C/Landis #4
Tomat (EL) San And 770', Glorieta 2114', Abo 4120', Wolfe 5325', Penn 6498', Canyon 7235', Strawn 7616', Atoka 7950', Morrow 8125', Chester 8312'
API No: 30-015-22789 Replaces card #7:dated 4-11-79 for well results; Orig Suspended Completion, Petroleum Informatione

EDDY COUNTY KENNEDY FARMS FIELD Well: YATES PET, CORP. I Johnson Com. "JT" Result CAS Loca: 3 mi SE/Anmia, 2016' FNL 660' FEL Sec 28-175-268. Speak 7-25-78; Compr 9-13-78; Elevi 33521 grd; TD: 87321 CSCR; PB: 56351
Casing: I3 3/8" 385'/325 sx, 8 5/8" 1438'/100 sx, 43" 8658'/650 sx
Frod Zone: [Morrow] 7/Pay 8496', prod thru peris 8496-8529'

FF: 1150 MCFGPD, 1/2" ch, CORNR, GravNR, CP pkr, TP 1800
Comp Inter DST (Morrow) 8430-8528', op 2 krs 30 min; CTS 9 min 6: 2700 MCFGPD,
1/2"-CR (6: 425#, nec 686' GCM, 1 kr 30 min 1STP 3428#, FP 414-675#, 3 hr FSIP
3340#, HP 4175-4175#; Perf (Morrow) 8496-8529' (OA); natural ran CNI, FDC 6
DILL logs; C/Capita #15.
Tops: (E1) San And 9821, Glor 2381', Abo 4408', Wolfe S509', Cisco 6689!, 1/Cany
7439', Strawn 7880', Atoka 2243', Morrow Clastics 8456', Chester 8670'
APINO.: 30-015-22600 Replace: Card #5, dated 10-11-78 to show correct information & add DST's; Orig. issued as #1 j. T. Johnson Com. Petroleum Informations Date: 11-8-78 EDDY COUNTY NEW MEXICO Well: YATES PET. CORP. 2 Siegenthaller "IS" Com. Result: GAS Loc'n: 1 mi SE/Artesia, 1460' FSL 198' FWL Sec 21-175-26E. Speck 2-14-78; Comp. 4-13-78; Elew 3369' grd; TD: 8627' Chester; PB: 7708'
Casing: 13 3, 9" 370'/400 sx, 8 5/8" 1476'/1100 sx, 5;" 8420'/340 sx
Frod Zone: (Cany) T/Pay 7690', prod thru perfs 7690-96'
FF: 350 NCCCPD, 1/2" ch, TP 43;
Comp Info: Perf (Strawn) 8313-17' w/4 SPF; A/1000 gals; S/dry; Perf (Strawn) 8029-33'
w/4 SPF; A/3000 gals; S/down; set BP @ 7708'; Perf (Cany) 7690-96' w/4 SPF; A/5000
gals; ran CNL & Dill logs; C/Capitan #2.
Tore: (EL) San And 910', Clor 2329', Abo 4362', Wolfe 5460', Cisco 6659', Cany 7381',
Strawn 7834', Morrow 8376', Chester 8572'
AM No.: 30-015-22413 Petroleum Informations PATES PETROLEUM CORP, 1 Tom Brown "GO" KENNEDY FARMS FIELD GAS DO 1 mi SE/Antesia; Sec 22-175-26E; 835' FNL, 1980' FWLSec Loca: South 12-10-76; Compr3-9-77; Elevi 3339' Grd, 3356' K B; TD:8725' Miss; P8:8539' Graing 13-3/8" 402'/500 sx; 8-5/8" 1402'/600 xx; 3-1/2" 8609'/450 xx Fred Zone (Morrow), T/Pay 8398', Frod thru Per is 8398-8312' [FF: 2680 MCFGPD 1/2" ch., Grav NR, GOR NR, FTP. 420# Comp Info: DST (Cisco) 6691-6825', op 2 hrs 30 mins, rec 1000' GCDF (sampler rec 1830 cc's SW w/show oil @ 2508), ISIP 2369#/1 hr, FP 408-631#, FSIP 2382#/4 hr; P# 3024-3024#, BHT 118 deg: DST (Morrow) 8375-8725', op 1 hr 50 mins; GTS 10 mins; @ 2100 MCFGPD 1/4" ch., rec 1290' GCM (sampler rec 2.65° CFG @ 17509) ISIP 3466#/1 hr, FP 827-1363#, FSIP 3466#/2 hrs, HP 4100-4087#, BHT 122 deg: Peir (Morrow) 8398-8402', 8504-12'/4 SPF; A/1500 gals, ran CNL, FDC, GRL, DILL logs BHT 126 deg: C/Ard Top: ELi Glor 2323', Abo 4393', Cisco 6663', L/Canyon 7424', Strawn 7861', Atola 8226', Morrow Clastics 8418', Chester 8641' 85 Petroleum Informations

4-20-77

Date:

Cord No.: 4 db

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13-3/8"	54.4&48#	124	ет (мр) ) <sup>1</sup>	17 <sup>1</sup>	E SIZE	4	cess 00 sa	cks cks			
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CASING BIZE  13-3/8"  8-5/8"  5½"  29.  BIZE	54.4&48# 24# 1.7&15.5 TOP (ND)	HE A30 124 11 871 LINER RECORD BOTTOM (MD)	ET (MD)  1 7 1  4 1  D  BACKS C	17 <sup>1</sup> 12 <sup>1</sup> 7-	LE SIZE  5"  7/8"  SCREEN (M)	- 4 - 7 - 1 - 1 - 1 - 1	00 sa 000 sa 015 s 30. 5128 2-3/8	acks acks sacks	CUBING REDEPTH SET 8437	(YD) NT SQ	PACKER SET (MD) 8437
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CASING BIZE  13-3/8"  8-5/8"  5½"  29.  BIZE	54.4&48# 24# 1.7&15.5 TOP (ND)	HE A30 124 11 871 LINER RECORD BOTTOM (MD)	ET (MD)  1 7 1  4 1  D  BACKS C	17 <sup>3</sup> 12 <sup>3</sup> 7-	E SIZE  5"  7/8"  SCREEN (MI  \$22.  DEPTH INT	AC	00 sa 000 sa 015 s 015 s 30. 5128 2-3/8	GCKS GCKS GCKS GCKS GCKS GCKS GCKS GCKS	EUBING REDEPTH SET 8437 URE. GEME	(MD) INT SQ	PACKER SET (MD) 8437 UZEZE, ETG. NATERIAL USED
24. SIZE   31. PERFORATION BEC   8488-8520	54.4&48# 24# 17&15.5 TOP (ND)	LINER RECORD BOTTOM (MD)  Te and number)  4 M Shots	ET (MD) )  17  A  SACKS C	17 <sup>3</sup> 12 <sup>3</sup> 7	SCREEN (M)  \$2.  BEFFE INT.  8488-8	44 77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00 sa 00 sa 015 s 015 s 30. siza 2-3/8	acks acks acks acks acks acks acks acks	TUBING REDEPTH SET 8437'  URE. CEME OUNT AND E O Gallo	(NT SQ SIND OF ONS	PACKER SET (MD) 8437  UZEZE, ETG. NATERIAL USED 15% DS-30
24. SIZE   31. PERFORATION BEC 8488-8520	54.4&48# 24# 17&15.5 TOP (ND)	LINER RECORD BOTTOM (MD)  Te and number) 44 Shots	ET (MD) )  17  A  SACKS C	17 <sup>3</sup> 12 <sup>3</sup> 7	SCREEN (M)  \$2.  BEFFE INT.  8488-8	44 77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00 sa 00 sa 015 s 015 s 30. siza 2-3/8	acks acks acks acks acks acks acks acks	CUBING REDEPTH SET 8437 URE. CEME COUNT AND S D Gallo	(YD)  ENT SQ  END OF	PACKER SET (MD) 8437 UZEZE, ETG. MATERIAL USED 15% DS-30
29.  29.  21. PERFORATION BEC 8488-8520	54.4&48# 24# 17&15.5 TOP (ND)	LINER RECORD BOTTOM (MD)  Te and number)  4 M Shots	ET (MD)  17'  4'  BACKS C  Flowing, g  VING	PROL	SCREEN (M)  \$2.  BEFFE INT.  8488-8	44 77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00 sa 00 sa 015 s 015 s 30. siza 2-3/8	GCKS GCKS GCKS GCKS GCKS GCKS GCKS GCKS	CUBING REDEPTH SET 8437 URE. CEME COUNT AND S D Gallo	ENT SQ SIND OF ONS	PACKER SET (MD) 8437 UZEZE, ETG. MATERIAL USED 15% DS-30
29.  81.0 BIZE  13-3/8"  8-5/8"  53.0 BIZE  81.0 BATE FIRST PRODUCTS  2-1-78  BATE OF TEST  2-1-78	54.4&48# 24# 17&15.5  TOP (ND)  ORD (Interval, and W/76., 3	LINER RECORD  E and number)  4 M Shots  CHOKE SIZE	Flowing, g	PRGI	SCREEN (MI  SCREEN	44 77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	30.  5128 2-3/8  1D. SHOT.  L (ND)	FRACTION OF THE PROPERTY OF TH	CUBING REDEPTH SET 8437 URE. GEME COUNT AND E GEME COUNT AND E GEME COUNT AND E GEME COUNT AND E GEME COUNT AND E GEME COUNT AND E GEME COUNT AND E GEME COUNT AND E GEME COUNT AND E GEME COUNT AND E GEME COUNT AND E GEME	ENT SQ SIND OF ONS	PACKER SET (MD) 8437  UEEZE, ETC. MATERIAL USED 15% DS-30  US (Producing or DLC)
29.  31. PERFORATION BEC  8488-8520  81.*  PATE FIRST PRODUCTS  2-1-78  PATE OF TEST  2-1-78  PLOW. TURNO PRESS.	54.4&48# 24# 17&15.5  TOP (ND)  ORD (Interval, and W/76., 3	LINER RECORD  E and number)  4 M Shots  CHOKE SIZE	FROD	PRGI OGS lift, pu	SCREEN (MI  SCREEN	ACCTERVALATION OF ACCT.	30.  5128  2-3/8  10. SHOT.  (MD)  12.6	FRACTION OF THE PROPERTY OF TH	TUBING REDEPTH SET 8437'  URE. CEME OUNT AND SO GALLO	(YD)  ENT SQ  EIND OF  OIDS  LL STAT  hut-in)  IV-OP	PACKER SET (MD) 8437  UEEZE, ETC. MATERIAL USED 15% DS-30  US (Producing or DLC)
29.  81.º  8	S4.4&48#  24#  17&15.5  TOP (ND)  ORD (Interval, and W/76., 3	TT. DEFTH S  430 124 11 871 EINER RECORD BOTTOM (MD)  TE and number) 4 Shots  CHOKE SIZE  24-ROUR SA	(Flowing, Control of the control of	PRGI OGS lift, pu	SCREEN (MI  SCREEN	ACCERTAIN	30.  5128  2-3/8  10. SHOT.  (MD)  12.6	FRACTION OF THE STATE OF THE ST	CUBING REDEPTH SET  8437'  URE CEME OUNT AND R  OUNT AND R  WEE  WATER-I	(YD)  ENT SQ  EIND OF  OIDS  LL STAT Auf-in)  IV-OP  SB2.	PACKER SET (MO) 8437  UZEZE, ETC.  MATERIAL USED 15% DS-30  US (Producing or OLC GAS-OIL BATIO
24.  31. PERFORATION BEC  8488-8520  81.*  PATE FIRST PRODUCTS  2-1-78  BATE OF TEST  2-1-78  PLOW. TERMORESS.	S4.4&48#  24#  17&15.5  TOP (ND)  ORD (Interval, and W/76., 3	TT. DEFTH S  430 124 11 871 EINER RECORD BOTTOM (MD)  TE and number) 4 Shots  CHOKE SIZE  24-ROUR SA	(Flowing, Control of the control of	PRGI OGS lift, pu	SCREEN (MI  SCREEN	ACCTERVALATION OF ACCT.	30.  5128  2-3/8  10. SHOT.  (MD)  12.6	FRACTION OF THE STATE OF THE ST	TUBING REDEPTH SET  8437  URE. CEME OUNT AND S  OUNT AND S  WATER-1	(YD)  NT SQ IND OF ONS  LL STAT hatem) IV:OF	PACKER SET (MD)  8437  UZEZE, ETC.  MATERIAL DSED  15% DS-30  US (Producing or CLC GAS-OIL BATIO  GRAVITT-API (CORR.)
29.  \$1. PERFORATION BEC  8488-8520  \$1. PERFORATION BEC  8488-8520  \$1. PERFORATION BEC  8488-8520  \$1. PERFORATION BEC  8488-8520  \$1. PERFORATION BEC  8488-8520	S4.4&48#  24#  1.7&15.5  TOP (MD)  ORD (Interval, aix  W/76., 3  W/76., 3  PRODU  ROURS TESTED  24  CASING PRESSUR  PKr  IS (Sold, used for	TT. DEFTH S  430 124 11 871 EINER RECORD BOTTOM (MD)  TE and number) 4 Shots  CHOKE SIZE  24-ROUR SA	(Flowing, Control of the control of	PROI	SCREEN (MI  SCREEN	ACCTERVALATION OF ACCT.	30.  5128  2-3/8  10. SHOT.  (MD)  12.6	FRACTION OF THE STATE OF THE ST	CUBING REDEPTH SET  8437'  URE CEME OUNT AND R  OUNT AND R  WEE  WATER-I	(YD)  NT SQ IND OF ONS  LL STAT hatem) IV:OF	PACKER SET (MD)  8437  UZEZE, ETC.  MATERIAL DSED  15% DS-30  US (Producing or CLC GAS-OIL BATIO  GRAVITT-API (CORR.)
29.  81.º  8	S4.4&48#  24#  1.7&15.5  TOP (MD)  ORD (Interval, aix  W/76., 3  W/76., 3  PRODU  ROURS TESTED  24  CASING PRESSUR  PKr  IS (Sold, used for	TT. DEFTH S  430 124 11 871 EINER RECORD BOTTOM (MD)  TE and number) 4 Shots  CHOKE SIZE  24-ROUR SA	Flowing, so I FROD	PROI	SCREEN (MI  SCREEN	ACCTERVALATION OF ACCT.	30.  5128  2-3/8  10. SHOT.  (MD)  12.6	FRACTION OF THE STATE OF THE ST	TUBING REDEPTH SET  8437  URE. CEME OUNT AND S  OUNT AND S  WATER-1	(YD)  NT SQ IND OF ONS  LL STAT hatem) IV:OF	PACKER SET (MD)  8437  UZEZE, ETC.  MATERIAL DSED  15% DS-30  US (Producing or CLC GAS-OIL BATIO  GRAVITT-API (CORR.)
29.  \$1. PERFORATION SEC  8488-8520  \$2.  \$2.  \$2.  \$3. PERFORATION SEC  \$488-8520  \$3.0	S4.4&48#  24#  1.7&15.5  TOP (MD)  ORD (Interval, six  W/76., 3  ON PRODU  ROURS TESTED  24  CASING PRESSUR  PKY  LB (Sold, used for	LINER RECORD  BOTTOM (MD)  Te and number)  4 " Shots  CHOKE SIZE  CALCULATED  24-ROUR RA  Juel, vented, etc.	Flowing, a Vernice	PRGI	SCREEN (MI  7/8"  SCREEN (MI  SCREEN (MI  8488-8  DUCTION  Imping—size  OIL—BBL.	ACCEPTANCE OF THE PROPERTY OF	(ND)  (CAS—NO CAS—NO CA	FRACT 2000 acid	TUBING RE DEPTH SET  8437  URE CEME OUNT AND S  O gallo  S  WATER-I	(MD)  ENT SQ  EIND OF  ONS  LL STAT  hat-in)  IV:OP	PACKER SET (MD) 8437  UEEZE, ETC. MATERIAL ESED 15% DS-30  CES (Producing or DLC GAB-OIL BATIO  GBATITY-AFI (CORE.)
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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
25 June 1980

### EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corporation for an NGPA determination, Eddy County, New Mexico.

CASE 6917

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

## APPEARANCES

For the Oil Conservation Division:

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MR. STAMETS: We'll call next Case 6917. MR. PADILLA: The application of Yates Petroleum Corporation for an NGPA determination, Eddy County, New Mexico.

MR. DICKERSON: Mr. Examiner, my name is Chad Dickerson, of Artesia, New Mexico.

I have one witness.

MR. STAMETS: Any other appearances?

(Witness sworn.)

#### PEYTON YATES

being called as a witness and having been duly sworn upon his oath, testified as follows, to-wit:

### DIRECT EXAMINATION

BY MR. DICKERSON:

Will you state your name, your occupation, and by whom you're employed, please?

Peyton Yates. I'm a petroleum engineer and independent oil operator, from Artesia, New Mexico, representing Yates Petroleum Corporation.

Mr. Yates, have you previously testified before this Division and had your credentials made a matter of public record?

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Yes, sir.

And are you familiar with the purposes of the application and the exhibits upon which you intend to rely?

Yes, sir.

MR. DICKERSON: Mr. Examiner, is the witness qualified?

MR. STAMETS: Yes.

Mr. Yates, please refer to what is marked Exhibit Number One and describe what this shows.

Well, before we get to that, would you briefly describe for the Examiner the purpose of the application of Yates Petroleum Corporation?

The purpose of this application is to seek approval of Section 102, new reservoir status, for the Yates Petroleum Corporation Goat Roper "LP" Com No. 1.

Now would you refer to Exhibit Number One and describe what it shows?

Exhibit Number One is a land plat showing the location of the Goat Roper "LP" No. 1, and colored in yellow, the proration unit assigned to the well.

The well is located in the south half, Unit "P", of Section 30, 17 South, 26 East, Eddy County, New Mexico.

Mr. Yates, I notice the plat shows another

well located within that proration unit. Would you explain to the Examiner how that came to be?

Yes. The other well located in the -- also in the south half proration unit in Section 30, is the Caskey "EV" No. 1, also a Yates Petroleum Corporation well. It is in the southwest quarter of Section 30.

The Caskey "EV" was completed in the Morrow formation. We, Yates Petroleum Corporation, drilled the Goat Roper, also in the south half, and we are here today to show that we have found a new reservoir in the Morrow formation in the Goat Roper "LP" No. 1.

MR. STAMETS: Will you be telling us the status of the Caskey Well?

The Caskey Well is presently producing gas out of the Morrow formation.

That's my mistake. It is completed in the Atoka formation. We've provided a completion card of the Caskey.

Mr. Yates, refer to what is marked Exhibit Number Two and briefly describe what it shows, please.

Exhibit Number Two consists of the -several items that are required under the FERC regulations and the State of New Mexico regulations for applications for Section 102.

It consists of, first of all, a list of

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the items that are included in the total application, with a cover letter; an affidavit stating that Yates Petroleum Corporation has notified all the pertinent parties in the well and offsetting the well; the FERC Form 121; the completion -or the State of New Mexico Form C-132, completion report, NMOCD completion report; the notice of intent to drill for the subject well, to which is attached a well location and dedication plat; and the sworn statement under oath of Yates Petroleum, as required by the FERC regulations and the State of New Mexico; and a gas analysis of the Goat Roper "LP" No.

So briefly stated, the Exhibit Number Two is a transmittal of all required information under both the Federal and the State regulations concerning this determination?

That's correct. It was -- the cover letter was dated April 17th, 1980, and I believe it was received on the 23rd of April at the Commission offices, of 1980.

Mr. Yates, turn to Exhibit Number Three and briefly describe what it shows.

Exhibit Number Three is a land plat showing the locations of the pertinent wells that were studied by Tates Petroleum in determining whether or not the Goat Roper "LP" No. 1 Morrow reservoir was a new reservoir, and

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sections, cross sections 1 through 11, of the wells that were

studied by -- the wells that are considered pertinent to dis-

of the matters you intend to cover, Mr. Yates, briefly refer

To the extent it will aid your discussion

cussion of a new reservoir by Yates Petroleum Corporation.

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please?

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to Exhibits Five, Six, and Seven and describe to the Examiner what those instruments are.

cards, or if completion cards were unavailable, actual Xeroxed copies of completion reports, of all wells shown on Exhibit Three. The purpose of this Exhibit Number Five is to show not only spud date but completion history of each of the wells under discussion.

And Exhibit Five further reflects the material upon which your conclusions were based?

That is correct. The material, and if there were any other material required we had it, discussed it in Exhibits Six and Seven.

Exhibit Number Six is our actual written discussion that we submit with all of our Section 102 applications. It's a discussion of each pertinent well surrounding the subject well.

individual well data, when necessary, to establish our case.

Exhibit Seven consists of several bottom hole pressure reports, reports from the New Mexico Annual Survey of production, which indicate shut-in tubing pressures, and there is also a copy of a letter submitted to the Commission by Yates Petroleum Corporation with respect to one of the wells discussed

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herein, and we will go over each of these in our discussion today.

MR. DICKERSON: Mr. Examiner, for clarity I might point out that the instruments which are referred to in Exhibit Number Six, as attached, are in this presentation shown in Exhibit Number Seven.

Mr. Yates, will you review your findings based on these exhibits and tell the Examiner why Yates Petroleum Corporation feels that this subject well is entitled to a determination as a new onshore well? Reservoir?

First of all, the completion of the subject well in a proration unit which may or may not be -- in which another well already exists, which may or may not be completed in the Morrow -- as we say, the completion card shows it to be completed in the Atoka -- is of no importance provided that the reservoir that's completed in the subject well, the Goat Roper, is indeed a new reservoir, which we will attempt to show today.

If you will turn, please, to Exhibit Number Six, you can follow our discussion. We will refer to Exhibit Six, Exhibit Number Four, and Exhibit Number Seven. Exhibit Number Five will be -- is back-up information, again the completion cards, for our discussion in Exhibit Six, but we will have to make reference to Exhibits Four and Seven.

First of all, with respect to the subject

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well --

MR. STAMETS: Let me unfold all these

maps --

Okay, fine.

MR. STAMETS: -- before you start that.

It would be a whole lot simpler.

I might do the same.

The subject well is completed in an area of intense Morrow exploration and development. The well was completed 3-9-80 in the Morrow formation with perforations at 8365 to 8373.

The Morrow reservoir perforated in the subject well was at virgin pressure when the well was completed.

A 120-hour shut-in tubing pressure of 2763 psig and a shut-in bottom hole pressure of 3532 psig was recorded on 3-15-80, indicating virgin pressure in the Morrow formation -- in the Morrow reservoir.

A copy of the bottom hole pressure survey is attached in Exhibit Seven.

Please refer now to Exhibit Four, cross section 1. The first cross section shows a comparison of the subject well, the Goat Roper, versus the Maddox Energy Company Martin Com No. 1, located in Section 29 of 17, 26, and shown on the plat provided.

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It was completed -- spudded in February of 1977, February the 10th, 1977, and completed 5-23-77.

It has, as is shown on the log, comparisons, no Morrow sands capable of production that correlate with subject well.

It is located .4 of a mile from the subject well.

It might be pointed out, also, that the Martin Com was spudded -- was completed 5-23-77 and there were no sales, no production, prior to that time and it was not capable, therefor, of having a commercial production out of any reservoir prior to the completion date.

Cross section number 2 shows a comparison of the Yates Petroleum Corporation Goat Roper, the subject well, versus the David Paskin-Armstrong 5 No. 1, which has now been recompleted by the Yates Petroleum Corporation as the Armstrong "CT" No. 1, located in Section 5 of 18, 26.

It was spudded in June of 1973 and completed 10-8-73. It was originally completed in the Atoka-Morrow formation with perforations from 8381 to 87, 8455 to 60, 8499 to 8503, 8566 to 8567, and 8616 to 8619.

There is a very small, 1-foot perforated sand body, which correlates with the subject well. That sand body is located -- or that perforation is 8566 to 67 and can be seen on the log as a very small blip of porosity, very poor

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porosity, as indicated by the CNL/FDC log.

The well was completed for 1.1 million cubic feet at 195 pounds out of the five sets of perforations in the Atoka-Morrow, as reported.

On 8-16-77 a shut-in tubing pressure of 1051 psig was reported and a copy of this Annual Survey report is attached in Exhibit Seven.

At the end of May, 1978, the Atoka-Morrow interval had produced 215 million cubic feet of gas and was producing at or near a depleted rate of 30 to 50 Mcf per day.

In March, '78, approval was requested to recomplete the well in the Strawn formation and commingle the Strawn and the Atoka-Morrow, and a copy of that letter is attached in Exhibit Seven.

The Strawn was perforated 6-22-78 and commingling was approved in October of '78.

The near depletion of the Atoka-Morrow interval, including the perforated interval, the one perforated foot that possibly correlates with the subject well, indicates that there is no communication between the two wells because of the fact that we found virgin pressure in the Goat Roper No. 1. A shut-in tubing pressure of 1563 psig on 8-3-79, again of the commingled zones, indicates that we are reaching depletion on both the Strawn and Morrow zones.

The well is located 1.9 miles from the

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Cross section number 3, the Patterson "EL" No. 2 has a perforated sand body that appears to correlate with the subject well's completed Morrow reservoir; however, on 6-17-80, after 176-hour shut-in, the bottom hole pressure was 1778 psig, and the bottom hole pressure survey is attached in Exhibit Seven, and it proves the well not to be in communication with the subject well.

The Patterson "EL" No. 2 was spudded

after 4-20-77 and is 1.2 miles from the subject well.

This is a very common feature in this

particular area, that we have a lot of correlative sand bodies which are not in communication. We've experienced virgin pressures in nearly every offset well in this immediate area, even though we have correlative sands on the

Also on cross section number 3 is the 1098. Patterson "EL" No. 2 -- I'm sorry, excuse me. I said the Patterson "EL" No. 2. It's the David Faskin-Yates 6 Federal No. 1, located in Section 6 of 18, 26.

It has a sand body which seems to be in the same stratigraphic interval as the subject well's completed in the Morrow reservoir; however, it was drill stem tested and drill stem test number 3 is shown on the cross section, and found to be noncommercial due to the fact that

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it flowed only 47 Mcf per day, 18 psi on a 1/4 inch choke.

The zone was never perforated and the well

was plugged back to 8420 and was completed in the Atoka.

Also, it should be noted that the sand body in the David Faskin-Yates 6 Federal No. 1, which seems to be in the same interval as the subject well, is separated by -- from the subject well by the Patterson "EL" No. 2, which we've shown to be considerably depleted prior to the completion of the Goat Roper, and that is another reason that we say that the two wells, the Faskins-Yates 6 and the Goat Roper, are not in communication.

The Yates 6 is located 1.9 miles from the subject well.

If you'll turn to cross section number 4, we'll discuss the Patterson "EL" No. 1. As can be seen on the cross section, it has no sands that correlate with the subject well's completed forrow reservoir.

It's located 1.2 miles from the subject well. It is important to note that there are no sands that correlate here because we will have a well or two on the other side of this particular well.

The Coquina-Superior Federal No. 1 is also located on cross section number 4. Its surface location is Section 1 of 18, 25. It was completed on 6-26-73 and --I'm sorry, it was spudded on 6-25-73 and completed 8-7-73.

Page \_\_\_\_\_\_15

SALLY W. BOYD, C.S.F Rt. 1 Box 193-B Santa Fe, New Mexico 87501 Phore (905) 455-7409 It has two small sand units, which seem to be in the same stratigraphic interval as the subject well's completed Morrow reservoir; however, as can be seen on the Exhibit Number Three land plat, the Superior Federal No. 1 is located 1.9 miles from the subject well and it's separated from the subject well by the Patterson "EL" No. 1, the Patterson "EL" No. 2, the Haldeman "EN" No. 1, the ARCO "EC" State No. 2. All of these wells are discussed within this report and are proven to have no communication with the subject well; therefor proving that the Superior Federal No. 1 should not be in communication with the subject well.

Coquina Oil Corporation Superior No. 3

is also in cross section number 4. It was spudded 12-6-73

and completed 3-20-74. It has a perforated sand body which

seems to be in the same stratigraphic interval as the subject

well's completed Morrow reservoir; however, as can be seen on

Exhibit Three land plat, it is 2.3 miles from the subject well

and is separated from the subject well by five wells, the

Patterson "EL" No. 1, the Patterson "EL" No. 2, the Haldeman

"EN" No. 1, the ARCO "EC" State No. 2, and the Superior Feder
al No. 1, all of which have been proven in this report not

to be in communication with the subject well.

We can go now to cross section number 4 -- excuse me, 5.

Cross section number 5 has on it the Halde

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log.

man "EN" No. 1. Yates Petroleum Corporation is operator. It is located in Section 31 at 17, 26.

It was spudded 7-12-75, completed 8-24-75. It has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir; however, on 5-9-79, after producing 1.18 billion cubic feet, the bottom hole pressure of the Haldeman "EN" No. was 1569 pounds, and we attached the bottom hole pressure survey in Exhibit Seven.

This pressure of 1569 pounds contrasts with the subject well's virgin bottom hole pressure of 3532, which proves no communication with the subject well.

The Haldeman "EN" is .8 miles away from the subject well.

Yates Petroleum Corporation-ARCO "EC"
State No. 2, also shown on the cross section number 5, is
located in Section 36 of 17, 25. It was spudded 10-16-75,
completed 12-2-75.

MR. STAMETS: Peyton, that's an unusual

The ARCO "EC" State?

MR. STAMETS: Yes. It looks like on reading down the lefthand side that you've got a lot of shale in there, but you read down the right side of the log and it doesn't reflect that.

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It looks like there's a drastic change in the gamma ray of 83 --- from 8363, somewhere around there, top of the Morrow Clastics.

MR. STAMETS: I just thought perhaps you would remember why -- what, if you had something unusual in this particular well in that zone.

Mo. I -- we didn't -- we completed the well in the Strawn. It was dry in the Morrow. And I do not know why there is -- should be a change. However, it does seem to be similar, when you look at the Haldeman "EN" Well; seems to be similar to the other wells on the log.

I don't know that it's that much of an anomaly with respect to your gamma ray.

MR. STAMETS: It may not be.

I think it's possibly just a scale dif-

MR. STAMETS: Okay. I don't see that it's a problem. It just seemed unusual.

A. Right. I have noticed a small problem in a typo error, though, in the process.

side the ARCO "EC" State No. 2, it talks about the Johnson Com No. 1, which is the following well, and I have the correct comment for that. Obviously, I'll have to go back and talk to my secretary, but I would like to read into the record

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the correct comment on Well No. 9 in our sequence of discussion, the ARCO "EC" State No. 2.

The comment should read as follows:

The ARCO "EC" State No. 2 has no sands capable of commercial production that correlate with the subject well's completed reservoir. The ARCO "EC" State No. 2 is 1.2 miles from the subject well.

And it also should show that it was completed from 7988 to 96 in the Strawn. It should show that it is located in Section 36 of 17, 25.

I think the location is shown to be correct, but there is a mistype on the completion depth in the Morrow -- I mean the formation, and the discussion.

And I might --

MR. STAMET3: Okay, we'll allow you to submit a corrected page for that.

A Okay, we certainly will.

MR. PADILLA: Is what happened there you just didn't get the comment on the No. 9 well, is that correct?

A That's right. It's obvious what happened.

It was --

MR. PADILLA: Typed twice?

A -- typed twice, right, and three things were missed, the completion depth, the completion zone, and

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the comment, and I have read you the corrected completion depth, which is in the Strawn. The well was not completed in the Morrow, actually, and it's dry.

Okay. Our well No. 10 in sequence, the Superior Johnson Com No. 1, also shown in cross section number 5, is in Section 2 of 18, 25. The well was spudded 9-6-73, completed 11-1-73, in the Morrow -- it was completed in the Morrow formation from 8380 to 8423. It has a perforated sand body which seems

to be in the same stratigraphic interval as the subject well's completed Morrow reservoir, although it barely appears to be in it. There's a possibility that the top portion of the sand may be in the same interval; however, the Johnson Com No. 1 is 2.7 miles away and is separated from the subject well by the ARCO "EC" State No. 2, which was pointed out as dry in the Morrow, and the Haldeman "EN" No. 1, both of which have been discussed herein and have proven to be in no communication with the subject well, and therefor, the Superior Johnson Com No. 1 is not in communication with the subject 19 well.

Turn to cross section number 6, section number 6 we discuss the Yates Petroleum Corporation Powell "DG" No. 1, located in Section 35 of 17,25. It was spudded 6-14-74 and completed 6-13-75. The well was originally completed in the

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Morrow, was recompleted in the Wolfcamp at 6539 to 6683, and it has no sands capable of commercial production that correlate with the subject well's completed Morrow Reservoir.

It's located 2.4 miles away from the subject well.

Cross section number 7, Yates Petroleum

Corporation-ARCO "EC" State No. 1, Section 36 of 17,25, spudded
3-20-75, completed 5-29-75.

It was originally completed in the Morrow from 8338 to 65 and then on 3-28-79 recompleted in the Strawn from 7952 to 78, and in the Permo-Penn on 7-11-79 at a depth of 6534 to 6692.

as shown on the cross section in the perforated 38 to 65, may possibly correlate with the subject well and -- however, that Morrow formation, or Morrow reservoir, was depleted on 11-2-78 after producing 4.6 billion cubic feet of gas with a bottom hole pressure of 310 pounds was recorded.

The bottom hole pressure survey is attached. And that bottom -- that 310 psig is in contrast to the subject well's virgin pressure of 3532.

The ARCO "EC" is located 1.2 miles from the subject well.

The Morrow was abandoned in 3-79 because of its depleted state.

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The Yates Petroleum Corporation Caskey "EV" No. 1 is located on cross section number 8.

The well was spudded 11-19-75, completed 7-19-75, and it's located in Section 25 of 17, 25 -- I mean, excuse me, I jumped down.

The Caskey "EV" No. 1 was spudded 11-19-75, completed 1-14-76 and is located in Section 30 of 17, 26.

It was completed in the Atoka formation, 8015 to 8166, and has no commercial sands in the Morrow that correlate with the subject well.

In fact, it's a dry hole in the Morrow. This is the same well, by the way, that is in the proration unit. It's only .6 of a mile away from the subject well but you can see the obvious difference in the Morrow sands from one well to the next.

The Caskey "EV" is not in communication with the subject well.

The Yates Petroleum Corporation Jackson
"EM" Com No. 1, also shown in cross section number 8, is
located in Section 25, of 17, 25, and it was spudded 6-15-75
and completed 7-19-75. It was completed in the Morrow from
\$282 to 8370.

There is a very small sand body of very poor quality that may lie in the same stratigraphic interval as the subject well's completed Morrow reservoir, and that

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sand body is located at approximately 8257 -- 55, and it consisted of 1-foot of pay; however, the Jackson "EM" Com No. 1 is separated from the subject well by the Caskey "EV" No. 1, which is discussed herein and found to have no communication between the subject well and the Caskey, and therefor, there is no communication between the Jackson "EM" Com and the subject well.

The Jackson "EM" Com is 1.2 miles away from the subject well.

The Western Flint No. 2 is also located is also shown on cross section number 8. It's located in Section 25 of 17, 25. It was spudded 6-13-75 and completed 8-14-75.

The Flint has a perforated sand body which may correlate with the subject well's completed Morrow reservoir; however, the Flint No. 2 on 11-1-77 had a shut-in tubing pressure of 2017 psi compared with 2763 shut-in tubing pressure three years later on the subject well.

The Flint No. 2 is also separated from the subject well by the Jackson "EM" No. 1 and the Caskey "EV" No. 1, both of which have been shown to have no communication, and therefor, the Flint does not communicate with the subject well.

The Flint No. 2 is located 1.4 miles from the subject well.

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"EK" No. 1, also shown on cross section number 8, located in Section 35 of 17, 25, was spudded 5-21-75, completed 6-23-75.

It has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir.

It's located 1.7 miles from the subject well.

Cross Section number 9.

Cross section number 9, the Western Oil Producers Flint No. 1, which is located in Section 25 of 17, 25, was spudded 2-6-74, completed 4-18-74. It was completed in the Cisco zone, 6480 to 6534.

It has no sands -- it has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir.

Did I do that properly with respect to the Manseau, or did I go off the -- did I discuss the Manseau, the last well?

MR. STAMETS: Yeah.

A Okay. Did I say Manseau instead of Flint or Flint instead of Manseau?

MR. STAMETS: You said Manseau.

A Okay. Anyway, they're both the same thing. Neither one of them had commercial sand.

"EU".

 Okay, let's go -- start with the Gossett

The Gossett "EU" No. 1, Yates Petroleum Corporation, located in Section 26 of 17, 25, is also shown on cross section number 9. Spudded 12-1-75, completed 12-15-75 in the Wolfcamp from 6624 to 44 and has no sands in the Morrow that correlate with the subject well.

On cross section number 10 the Jackson "GM" No. 1, also a Yates Petroleum Corporation well, located in Section 24 of 17, 25, spudded 8-27-76, completed 11-3-76 in the Morrow from 8120 to 8278, has a perforated sand body that correlates with the subject well's completed Morrow reservoir.

However, on 4-14-78 after producing 234 million cubic feet of gas the bottom hole pressure was 2505.

The bottom hole pressure survey is attached.

That's in contrast to the subject well's virgin bottom hole pressure of 3532, showing no communication with the subject well.

Also, the Jackson "GM" producing reservoir is an approved Section 102 new reservoir, so that even if there were correlation, it would not make any difference in the same zone because it's approved to be a new one.

The Jackson "GM" is located 1.7 miles from the subject well.

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Cross section 11, and the last one, the last well, Yates Petroleum Corporation City of Artesia "EQ" Com No. 1, located in Section 24 of 17, 25, was originally spudded 8-16-75, completed 9-18-75 in the Atoka and recompleted 11-15-75 -- 1'm sorry, 11-30-75 in the Wolfcamp, 6530 to 6600, and it has no sands capable of commercial production in the Morrow reservoir, as shown on the logs.

Mr. Yates, is that all you have to say in regard to Exhibits One through Seven?

A Yes, sir.

Mr. Yates, were these exhibits prepared by you or under your direction?

A Yes, sir, certainly was.

MR. DICKERSON: Mr. Examiner, we'd move admission of Exhibits One through Seven at this time.

MR. STAMETS: These exhibits will be admitted.

Mr. Yates, in your opinion, was natural gas produced in commercial quantities from the reservoir and the subject well prior to April 20, 1977?

A No, sir.

In your opinion was the reservoir penetrated in the subject well, penetrated before April 20, 1977, by an old well from which natural gas or crude oil was produced in commercial quantities?

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No, sir.

MR. DICKERSON: Mr. Examiner, unless you have questions, that's all I have.

#### CROSS EXAMINATION

#### BY MR. STAMETS:

Q. Mr. Yates, has your geological staff analyzed the nature of the Morrow formation in this zone to be channel sands, beach bar type sands?

Do you want us to tell our trade secrets? No, the opinion seems to be that these are primarily channel sands that are running through here. We seem to be tying into very few beach sands and particularly, no beach sands that are integrated, that are in communication with the channel sands.

When you go further to the south, you encounter the old Atoka-Morrow Field, near the city of Atoka, and it's real strength, and the reason it produced over 100 billion cubic feet of gas, is because there are channel sands tied in with beach sands.

But when you go further to the north, it doesn't seem to happen to the extent -- or to any degree, that I know of, and this is the reason that we keep encounter ing virgin pressures and also do not have the reserves in the wells that we've encountered to the south.

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Is a channel sand situation one which lends itself to finding very closely spaced wells in totally separate reservoirs?

A. Yes, that's particularly true, and especially going on an east/west direction. For example, when you go from the "EV" No. 1 to the Goat Roper "LP", right in the same south half of 30, the channel sands seem to have a north/south direction, generally speaking, but I know of only two wells that are in the same channel, the Jackson "EM" No. 1 and the ARCO "EC" State No. 1 are in the same channel, and they're very close in Sections 25 and 35, that -- and they're north/south connection.

MR. STAMETS: Are there any other questions of this witness? He may be excused.

Anything further in this case?
Have we admitted these exhibits?

MR. DICKERSON: Yes.

MR. STAMETS: Okay, if there is nothing further, this case will be taken under advisement.

(Hearing concluded.)

# CERTIFICATE

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

> I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case 110. heard by me on\_\_\_\_ Examiner

Oil Conservation Division

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## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 87501 (505) 827-2434

July 23, 1980

CASE NO.

ORDER NO. R-6405

Mr. Chad Dickerson Losee, Carson & Dickerson Attorneys at Law Post Office Box 239 Artesia, New Mexico 88210

Applicant:

Yates Petroleum Corporation

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Re:

Pours very truly, JOE D. RAMEY Director

JDR/fd

Copy of order also sent to:

Hobbs OCD Artesia OCD Astec OCD\_

#### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 6917 Order No. R-6405

APPLICATION OF YATES PETROLEUM CORPORATION FOR AN NGPA DETERMINATION, EDDY COUNTY, NEW MEXICO.

#### ORDER OF THE DIVISION

#### BY THE DIVISION:

This cause came on for hearing at 9 a.m. on June 25, 1980, at #anta Fe, New Mexico, before Examiner Richard L. Stamets.

MOW, on this 22nd day of July, 1980, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

#### FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Yates Petroleum Corporation, seeks a determination by the Division, in accordance with Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the applicable rules of the Pederal Energy Regulatory Commission, that its Goat Roper "LP" Com Well Ho. 1, located in Unit P of Section 30, Township 17 South, Range 26 East, HMPM, Eddy County, New Mexico, has discovered a new onshore reservoir from which matural gas was not produced in commercial quantities before April 20, 1977.
- (3) That said well was completed in the Morrow formation with perforations from 8365 feet to 8373 feet, and a plugged-back depth of 8490 feet after having been drilled to a total depth of 8610 feet.
- (4) That although there are several wells in the general vicinity of the subject well which have penetrated and are or

-2-Case No. 6917 Order No. R-6405

were completed in the Morrow formation, pressures and productive capacity encountered in said Goat Roper "LP" Com Well No. 1 as compared to said wells are completely distinctive and are indicative of an undrained reservoir.

(5) That the combined geological and engineering data presented establishes that said Goat Roper "LP" Com Well No. I has been completed in a new onshore reservoir as defined by the provisions of Section 102 of the Natural Gas Policy Act of 1978 and the applicable rules of the Federal Energy Regulatory Commission.

#### IT IS THEREFORE ORDERED:

- (1) That the Yates Petroleum Corporation Goat Roper "LP" Com Well No. 1, located in Unit P of Section 30, Township 17 South, Range 26 East, HMPM, Eddy County, New Mexico, is completed in a new onshore reservoir as defined by Sections 2 (6) and 182 of the Matural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission.
- (2) That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

> STATE OF NEW MEXICO OIL COMBERVATION DIVISION

JOE D. MAMEY

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#### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 6833 Order No. R-6322 R-6405

APPLICATION OF ANADARKO PRODUCTION COMPANY FOR AN NGPA DETERMINATION, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on March 12, 1980, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter. RLS

NOW, on this 24th day of April, 1980, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

#### FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matt thereof.

(2) That the applicant, Anadarko Production Company, seeks a determination by the Division, in accordance with Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission, that its New Mexico State "AB" Com Well No. 1, located in Unit H of Section 36, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico, has discovered a new onshore reservoir from which natural gas was not produced in commercial quantities before April 20, 1977.

(3) That said well was completed in the Past Morrow formation with perforations from 10,962 feet to 10,982 feet and from 10,988 feet to 10,994 feet, and a plugged-back depth of 11,219 8490 feet after having been drilled to a total depth of 11,276 feet.

(4) That although there are several wells in the general vicinity of the subject well which have penetrated and are or were completed in the Lawer Morrow formation, pressures and

of Roper " LP" Com Well Not located in

-2-Case No. 6885 Order No. R-6322

productive capacity encountered in said New Mexico State
Com Well No. 1 as compared to said wells are completely
distinctive and are indicative of an undrained reservoir.

(5) That the combined geological and engineering data presented establishes that said New Mexico State "AB" Com Well No. 1 has been completed in a new onshore reservoir as defined by the provisions of Section 102 of the Natural Gas Policy Act of 1978 and the applicable rules of the Federal Energy Regulatory Commission.

### IT IS THEREFORE ORDERED:

- (1) That the Anadarko Production Company New Mexico State
  Com Well No. 1, located in Unit f of Section 30, Township
  leted in a new onshore reservoir as defined by Sections 2 (6)
  and 102 of the Natural Gas Policy Act of 1978, and the applicable
  rules of the Federal Energy Regulatory Commission.
- (2) That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein-

STATE OF NEW MEXICO OIL CONSERVATION DEVISION

JOE D. RAMEY Director

SEAL

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION STATE LAND OFFICE BLDG. SANTA FE , NEW MEXICO 25 June 1980 EXAMINER HEARING IN THE MATTER OF: Application of Yates Petroleum Corpor-CASE ation for an NGPA determination, Eddy ) 6917 County, New Mexico. 10 BEFORE: Richard L. Stamets 11 12 TRANSCRIPT OF HEARING 13 APPEARANCES For the Oil Conservation Ernest L. Padilla, Esq. Legal Counsel to the Division Division: 17 State Land Office Bldg. Santa Fe, New Mexico 87501 18 19 Chad Dickerson, Esq. 20 For the Applicant: LOSEE, CARSON, & DICKERSON P.A Artesia, New Mexico 88201 22

ALLY W. BOYD, C.S.I Rt. 1 Box 193-B

INDEX PEYTON YATES Direct Examination by Mr. Dickerson Cross Examination by Mr. Stamets EXHIBITS Applicant Exhibit One, Plat Applicant Exhibit Two, Documents Applicant Exhibit Three, Plat Applicant Exhibit Four, Cross Sections Applicant Exhibit Five, Completion Cards Applicant Exhibit Six, Document Applicant Exhibit Seven, Well Data 

MR. STAMETS: We'll call next Case 6917.

MR. PADILLA: The application of Yates

Petroleum Corporation for an NGPA determination, Eddy County,

New Mexico.

MR. DICKERSON: Mr. Examiner, my name is

Chad Dickerson, of Artesia, New Mexico.

I have one witness.

MR. STAMETS: Any other appearances?

(Witness sworn.)

### PEYTON YATES

being called as a witness and having been duly sworn upon his oath, testified as follows, to-wit:

### DIRECT EXAMINATION

BY MR. DICKERSON:

Will you state your name, your occupation

and by whom you're employed, please?

Peyton Yates. I'm a petroleum engineer and independent oil operator, from Artesia, New Mexico, representing Yates Petroleum Corporation.

Mr. Yates, have you previously testified before this Division and had your credentials made a matter of public record?

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Yes, sir.

And are you familiar with the purposes of the application and the exhibits upon which you intend to rely?

Yes, sir.

MR. DICKERSON: Mr. Examiner, is the witness qualified?

MR. STAMETS: Yes.

Mr. Yates, please refer to what is marked Exhibit Number One and describe what this shows.

Well, before we get to that, would you briefly describe for the Examiner the purpose of the application of Yates Petroleum Corporation?

The purpose of this application is to seek approval of Section 102, new reservoir status, for the Yates Petroleum Corporation Goat Roper "LP" Com No. 1.

Now would you refer to Exhibit Number One and describe what it shows?

Exhibit Number One is a land plat showing the location of the Goat Roper "LP" No. 1, and colored in yellow, the proration unit assigned to the well.

The well is located in the south half, Unit "P", of Section 30, 17 South, 26 East, Eddy County, New Mexico.

Mr. Yates, I notice the plat shows anothe

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well located within that proration unit. Would you explain to the Examiner how that came to be?

A Yes. The other well located in the -- also in the south half proration unit in Section 30, is the Caskey "EV" No. 1, also a Yates Petroleum Corporation well. It is in the southwest quarter of Section 30.

The Caskey "EV" was completed in the Morrow formation. We, Yates Petroleum Corporation, drilled the Goat Roper, also in the south half, and we are here today to show that we have found a new reservoir in the Morrow formation in the Goat Roper "LP" No. 1.

MR. STAMETS: Will you be telling us the status of the Caskey Well?

A. The Caskey Well is presently producing gas out of the Morrow formation.

That's my mistake. It is completed in the Atoka formation. We've provided a completion card of the Caskey.

Exhibit Number Two consists of the -several items that are required under the FERC regulations
and the State of New Mexico regulations for applications for
Section 102.

It consists of, first of all, a list of

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the items that are included in the total application, with a cover letter; an affidavit stating that Yates Petroleum Corporation has notified all the pertinent parties in the well and offsetting the well; the FERC Form 121; the completion -- or the State of New Mexico Form C-132, completion report, NMOCD completion report; the notice of intent to drill for the subject well, to which is attached a well location and dedication plat; and the sworn statement under oath of Yates Petroleum, as required by the FERC regulations and the State of New Mexico; and a gas analysis of the Goat Roper "LP" No. 1.

Q So briefly stated, the Exhibit Number

Two is a transmittal of all required information under both

the Federal and the State regulations concerning this determination?

That's correct. It was -- the cover letter was dated April 17th, 1980, and I believe it was received on the 23rd of April at the Commission offices, of 1980.

Q. Mr. Yates, turn to Exhibit Number Three and briefly describe what it shows.

A Exhibit Number Three is a land plat

showing the locations of the pertinent wells that were studied

by Yates Petroleum in determining whether or not the Goat

Roper "LP" No. 1 Morrow reservoir was a new reservoir, and

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also has drawn on it the structure contours at the top of the Morrow Clastics in the Pennsylvanian formation.

Q. What's the significance of the Roman numerals there, Mr. Yates?

A The Roman numerals indicate the number of cross section which also has been supplied to the Commission.

We've drawn a cross section from the Goat Roper Well through each of the wells shown in the land plat in Exhibit Three.

Q. Mr. Yates, there are some wells shown on your plat which are not shown on the cross sections. What's the reason for that?

A. The wells were either dry holes and were not pertinent to the discussion because they did not penetrate a Morrow reservoir which was capable of production; or they were wells spudded after 4-20-77 and therefor were incapable of producing gas out of the Morrow prior to 4-20-77.

Q. Mr. Yates, will you describe the relationship between Exhibit Number Four and Exhibit Number Three, please?

Exhibit Number Four is the set of cross sections, cross sections 1 through 11, of the wells that were studied by -- the wells that are considered pertinent to discussion of a new reservoir by Yates Petroleum Corporation.

Of the matters you intend to cover, Mr. Yates, briefly refer

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to Exhibits Five, Six, and Seven and describe to the Examiner what those instruments are.

Exhibit Number Five consists of completion cards, or if completion cards were unavailable, actual Xeroxed copies of completion reports, of all wells shown on Exhibit Three. The purpose of this Exhibit Number Five is to show not only spud date but completion history of each of the wells under discussion.

- And Exhibit Five further reflects the material upon which your conclusions were based?
- That is correct. The material, and if there were any other material required we had it, discussed it in Exhibits Six and Seven.

Exhibit Number Six is our actual written discussion that we submit with all of our Section 102 applications. It's a discussion of each pertinent well surrounding the subject well.

Exhibit Number Seven is a compilation of individual well data, when necessary, to establish our case. Exhibit Seven consists of several bottom hole pressure reports, reports from the New Mexico Annual Survey of production, which indicate shut-in tubing pressures, and there is also a copy of a letter submitted to the Commission by Yates Petroleum Corporation with respect to one of the wells discussed

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herein, and we will go over each of these in our discussion today.

MR. DICKERSON: Mr. Examiner, for clarity I might point out that the instruments which are referred to in Exhibit Number Six, as attached, are in this presentation shown in Exhibit Number Seven.

Mr. Yates, will you review your findings based on these exhibits and tell the Examiner why Yates Petroleum Corporation feels that this subject well is entitled to a determination as a new onshore well? Reservoir?

First of all, the completion of the subject well in a proration unit which may or may not be -- in which another well already exists, which may or may not be completed in the Morrow -- as we say, the completion card shows it to be completed in the Atoka -- is of no importance provided that the reservoir that's completed in the subject well, the Goat Roper, is indeed a new reservoir, which we will attempt to show today.

If you will turn, please, to Exhibit Number Six, you can follow our discussion. We will refer to Exhibit Six, Exhibit Number Four, and Exhibit Number Seven. Exhibit Number Five will be -- is back-up information, again the completion cards, for our discussion in Exhibit Six, but we will have to make reference to Exhibits Four and Seven.

First of all, with respect to the subject

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well --

MR. STAMETS: Let me unfold all these

maps -

Okay, fine.

MR. STAMETS: -- before you start that.

It would be a whole lot simpler.

I might do the same.

The subject well is completed in an area of intense Morrow exploration and development. The well was completed 3-9-80 in the Morrow formation with perforations at 8365 to 8373.

The Morrow reservoir perforated in the subject well was at virgin pressure when the well was completed.

A 120-hour shut-in tubing pressure of 2763 psig and a shut-in bottom hole pressure of 3532 psig was recorded on 3-15-80, indicating virgin pressure in the Morrow formation -- in the Morrow reservoir.

A copy of the bottom hole pressure survey is attached in Exhibit Seven.

Please refer now to Exhibit Four, cross section 1. The first cross section shows a comparison of the subject well, the Goat Roper, versus the Maddox Energy Company Martin Com No. 1, located in Section 29 of 17, 26, and shown on the plat provided.

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It was completed -- spudded in February of 1977, February the 10th, 1977, and completed 5-23-77.

It has, as is shown on the log, comparisons, no Morrow sands capable of production that correlate with subject well.

It is located .4 of a mile from the sub-

It might be pointed out, also, that the Martin Com was spudded -- was completed 5-23-77 and there were no sales, no production, prior to that time and it was not capable, therefor, of having a commercial production out of any reservoir prior to the completion date.

Cross section number 2 shows a comparison of the Yates Petroleum Corporation Goat Roper, the subject well, versus the David Faskin-Armstrong 5 No. 1, which has now been recompleted by the Yates Petroleum Corporation as the Armstrong "CT" No. 1, located in Section 5 of 18, 26.

It was spudded in June of 1973 and completed 10-8-73. It was originally completed in the Atoka-Morrow formation with perforations from 8381 to 87, 8455 to 60, 8499 to 8503, 8566 to 8567, and 8616 to 8619.

There is a very small, 1-foot perforated sand body, which correlates with the subject well. That sand body is located -- or that perforation is 8566 to 67 and can be seen on the log as a very small blip of porosity, very poor

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porosity, as indicated by the CNL/FDC log.

The well was completed for 1.1 million cubic feet at 195 pounds out of the five sets of perforations in the Atoka-Morrow, as reported.

On 8-16-77 a shut-in tubing pressure of 1051 psig was reported and a copy of this Annual Survey report is attached in Exhibit Seven.

At the end of May, 1978, the Atoka-Morrow interval had produced 215 million cubic feet of gas and was producing at or near a depleted rate of 30 to 50 Mcf per day.

In March, '78, approval was requested to recomplete the well in the Strawn formation and commingle the Strawn and the Atoka-Morrow, and a copy of that letter is attached in Exhibit Seven.

The Strawn was perforated 6-22-78 and commingling was approved in October of '78.

The near depletion of the Atoka-Morrow interval, including the perforated interval, the one perforated foot that possibly correlates with the subject well, indicates that there is no communication between the two wells because of the fact that we found virgin pressure in the Goat Roper No. 1. A shut-in tubing pressure of 1563 psig on 8-3-79, again of the commingled zones, indicates that we are reaching depletion on both the Strawn and Morrow zones.

The well is located 1.9 miles from the

--

subject well.

Cross section number 3, the Patterson "EL" No. 2 has a perforated sand body that appears to correlate with the subject well's completed Morrow reservoir; however, on 6-17-80, after 176-hour shut-in, the bottom hole pressure was 1778 psig, and the bottom hole pressure survey is attached in Exhibit Seven, and it proves the well not to be in communication with the subject well.

The Patterson "EL" No. 2 was spudded after 4-20-77 and is 1.2 miles from the subject well.

This is a very common feature in this particular area, that we have a lot of correlative sand bodies which are not in communication. We've experienced virgin pressures in nearly every offset well in this immediate area, even though we have correlative sands on the logs.

Also on cross section number 3 is the Patterson "EL" No. 2 -- I'm sorry, excuse me. I said the Patterson "EL" No. 2. It's the David Faskin-Yates 6 Federal No. 1, located in Section 6 of 18, 26.

It has a sand body which seems to be in the same stratigraphic interval as the subject well's completed in the Morrow reservoir; however, it was drill stem tested and drill stem test number 3 is shown on the cross section, and found to be noncommercial due to the fact that

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it flowed only 47 Mcf per day, 18 psi on a 1/4 inch choke.

The zone was never perforated and the well was plugged back to 8420 and was completed in the Atoka.

Also, it should be noted that the sand body in the David Faskin-Yates 6 Federal No. 1, which seems to be in the same interval as the subject well, is separated by -- from the subject well by the Patterson "EL" No. 2, which we've shown to be considerably depleted prior to the completion of the Goat Roper, and that is another reason that we say that the two wells, the Faskins-Yates 6 and the Goat Roper, are not in communication.

The Yates 6 is located 1.9 miles from the subject well.

If you'll turn to cross section number 4, we'll discuss the Patterson "EL" No. 1. As can be seen on the cross section, it has no sands that correlate with the subject well's completed Morrow reservoir.

It's located 1.2 miles from the subject well. It is important to note that there are no sands that correlate here because we will have a well or two on the other side of this particular well.

The Coquina-Superior Federal No. 1 is also located on cross section number 4. Its surface location is Section 1 of 18, 25. It was completed on 6-26-73 and -
I'm sorry, it was spudded on 6-26-73 and completed 8-7-73.

to be in the same stratigraphic interval as the subject well's completed Morrow reservoir; however, as can be seen on the Exhibit Number Three land plat, the Superior Federal No. 1 is located 1.9 miles from the subject well and it's separated from the subject well by the Patterson "EL" No. 1, the Patterson "EL" No. 2, the Haldeman "EN" No. 1, the ARCO "EC" State No. 2. All of these wells are discussed within this report and are proven to have no communication with the subject well; therefor proving that the Superior Federal No. 1 should not be in communication with the subject well.

coquina Oil Corporation Superior No. 3 is also in cross section number 4. It was spudded 12-6-73 and completed 3-20-74. It has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir; however, as can be seen on Exhibit Three land plat, it is 2.3 miles from the subject well and is separated from the subject well by five wells, the Patterson "EL" No. 1, the Patterson "EL" No. 2, the Haldeman "EN" No. 1, the ARCO "EC" State No. 2, and the Superior Federal No. 1, all of which have been proven in this report not to be in communication with the subject well.

We can go now to cross section number 4 --

excuse me. 5.

Cross section number 5 has on it the Halde

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log.

man "EN" No. 1. Yates Petroleum Corporation is operator. It is located in Section 31 at 17, 26.

It was spudded 7-12-75, completed 8-24-75.

It has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir; however, on 5-9-79, after producing 1.18 billion cubic feet, the bottom hole pressure of the Haldeman "EN" No. was 1569 pounds, and we attached the bottom hole pressure survey in Exhibit Seven.

with the subject well's virgin bottom hole pressure of 3532, which proves no communication with the subject well.

The Haldeman "EN" is .8 miles away from the subject well.

Yates Petroleum Corporation-ARCO "EC"

State No. 2, also shown on the cross section number 5, is

located in Section 36 of 17, 25. It was spudded 10-16-75,

completed 12-2-75.

MR. STAMETS: Peyton, that's an unusual

#### A. The ARCO "EC" State?

MR. STAMETS: Yes. It looks like on reading down the lefthand side that you've got a lot of shale in there, but you read down the right side of the log and it doesn't reflect that.

It looks like there's a drastic change in the gamma ray of 83 -- from 8363, somewhere around there, top of the Morrow Clastics.

MR. STAMETS: I just thought perhaps you would remember why -- what, if you had something unusual in this particular well in that zone.

No. I -- we didn't -- we completed the well in the Strawn. It was dry in the Morrow. And I do not know why there is -- should be a change. However, it does seem to be similar, when you look at the Haldeman "EN" Well; seems to be similar to the other wells on the log.

I don't know that it's that much of an anomaly with respect to your gamma ray.

MR. STAMETS: It may not be.

I think it's possibly just a scale differentiation.

MR. STAMETS: Okay. I don't see that it' a problem. It just seemed unusual.

Right. I have noticed a small problem in a typo error, though, in the process.

If you'll see in the written comment beside the ARCO "EC" State No. 2, it talks about the Johnson Com No. 1, which is the following well, and I have the correct comment for that. Obviously, I'll have to go back and talk to my secretary, but I would like to read into the record

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It was

the correct comment on Well No. 9 in our sequence of discussion, the ARCO "EC" State No. 2.

The comment should read as follows:

The ARCO "EC" State No. 2 has no sands capable of commercial production that correlate with the subject well's completed reservoir. The ARCO "EC" State No. 2 is 1.2 miles from the subject well.

And it also should show that it was completed from 7988 to 96 in the Strawn. It should show that it is located in Section 36 of 17, 25.

I think the location is shown to be correct, but there is a mistype on the completion depth in the Morrow -- I mean the formation, and the discussion.

And I might --

MR. STAMETS: Okay, we'll allow you to submit a corrected page for that.

A Okay, we certainly will.

MR. PADILLA: Is what happened there you just didn't get the comment on the No. 9 well, is that correct?

A. That's right. It's obvious what happened

MR. PADILLA: Typed twice?

A. -- typed twice, right, and three things were missed, the completion depth, the completion zone, and

ALLY W. BOYD, C.S.

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the comment, and I have read you the corrected completion depth, which is in the Strawn. The well was not completed in the Morrow, actually, and it's dry.

Okay. Our well No. 10 in sequence, the Superior Johnson Com No. 1, also shown in cross section number 5, is in Section 2 of 18, 25. The well was spudded 9-6-73, completed 11-1-73, in the Morrow -- it was completed in the Morrow formation from 8380 to 8423.

It has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir, although it barely appears to be in it. There's a possibility that the top portion of the sand may be in the same interval; however, the Johnson Com No. 1 is 2.7 miles away and is separated from the subject well by the ARCO "EC" State No. 2, which was pointed out as dry in the Morrow, and the Haldeman "EN" No. 1, both of which have been discussed herein and have proven to be in no communication with the subject well, and therefor, the Superior Johnson Com No. 1 is not in communication with the subject well.

Turn to cross section number 6. Cross section number 6 we discuss the Yates Petroleum Corporation Powell "DG" No. 1, located in Section 35 of 17,25. It was spudded 6-14-74 and completed 6-13-75.

The well was originally completed in the

Morrow, was recompleted in the Wolfcamp at 6539 to 6683, and it has no sands capable of commercial production that correlate with the subject well's completed Morrow Reservoir.

It's located 2.4 miles away from the sub-

ject well.

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Cross section number 7, Yates Petroleum Corporation ARCO "EC" State No. 1, Section 36 of 17,25, spudded 3-20-75, completed 5-29-75.

It was originally completed in the Morrow from 8338 to 65 and then on 3-28-79 recompleted in the Strawn from 7952 to 78, and in the Permo-Penn on 7-11-79 at a depth of 6534 to 6692.

The Morrow formation, which is located as shown on the cross section in the perforated 38 to 65, may possibly correlate with the subject well and -- however, that Morrow formation, or Morrow reservoir, was depleted on 11-2-7 after producing 4.6 billion cubic feet of gas with a bottom hole pressure of 310 pounds was recorded.

The bottom hole pressure survey is attached. And that bottom -- that 310 psig is in contrast to the subject well's virgin pressure of 3532.

The ARCO "EC" is located 1.2 miles from the subject well.

The Morrow was abandoned in 3-79 because of its depleted state.

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"EV" No. 1 is located on cross section number 8.

The well was spudded 11-19-75, completed 7-19-75, and it's located in Section 25 of 17, 25 -- I mean, excuse me, I jumped down.

The Caskey "EV" No. 1 was spudded 11-19-75 completed 1-14-76 and is located in Section 30 of 17, 26.

It was completed in the Atoka formation, 8015 to 8166, and has no commercial sands in the Morrow that correlate with the subject well.

In fact, it's a dry hole in the Morrow. This is the same well, by the way, that is in the proration unit. It's only .6 of a mile away from the subject well but you can see the obvious difference in the Morrow sands from one well to the next.

The Caskey "EV" is not in communication with the subject well.

"EM" Com No. 1, also shown in cross section number 8, is located in Section 25, of 17, 25, and it was spudded 6-15-75 and completed 7-19-75. It was completed in the Morrow from 8282 to 8370.

There is a very small sand body of very poor quality that may lie in the same stratigraphic interval as the subject well's completed Morrow reservoir, and that

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sand body is located at approximately 8257 -- 55, and it consisted of 1-foot of pay; however, the Jackson "EM" Com No. 1 is separated from the subject well by the Caskey "EV" No. 1, which is discussed herein and found to have no communication between the subject well and the Caskey, and therefor, there is no communication between the Jackson "EM" Com and the subject well.

The Jackson "EM" Com is 1.2 miles away from the subject well.

The Western Flint No. 2 is also located is also shown on cross section number 8. It's located in Section 25 of 17, 25. It was spudded 6-13-75 and completed 8-14-75.

The Flint has a perforated sand body which may correlate with the subject well's completed Morrow reservoir; however, the Flint No. 2 on 11-1-77 had a shut-in tubing pressure of 2017 psi compared with 2763 shut-in tubing pressure three years later on the subject well.

The Flint No. 2 is also separated from the subject well by the Jackson "EM" No. 1 and the Caskey "EV" No. 1, both of which have been shown to have no communication, and therefor, the Flint does not communicate with the subject well.

The Flint No. 2 is located 1.4 miles from the subject well.

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The Yates Petroleum Corporation Manseau "EK" No. 1, also shown on cross section number 8, located in Section 35 of 17, 25, was spudded 5-21-75, completed 6-23-75.

It has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir.

It's located 1.7 miles from the subject

Cross Section number 9.

Cross section number 9, the Western Oil Producers Flint No. 1, which is located in Section 25 of 17, 25, was spudded 2-6-74, completed 4-18-74. It was completed in the Cisco zone, 6480 to 6534.

It has no sands -- it has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir.

Did I do that properly with respect to the Manseau, or did I go off the -- did I discuss the Manseau, the last well?

MR. STAMETS: Yeah.

Okay. Did I say Manseau instead of Flint or Flint instead of Manseau?

MR. STAMETS: You said Manseau.

Okay. Anyway, they're both the same Neither one of them had commercial sand.

"EU".

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Okay, let's go -- start with the Gossett

The Gossett "EU" No. 1, Yates Petroleum Corporation, located in Section 26 of 17, 25, is also shown on cross section number 9. Spudded 12-1-75, completed 12-15-75 in the Wolfcamp from 6624 to 44 and has no sands in the Morrow that correlate with the subject well.

On cross section number 10 the Jackson "GM" No. 1, also a Yates Petroleum Corporation well, located in Section 24 of 17, 25, spudded 8-27-76, completed 11-3-76 in the Morrow from 8120 to 8278, has a perforated sand body that correlates with the subject well's completed Morrow reservoir.

However, on 4-14-78 after producing 234 million cubic feet of gas the bottom hole pressure was 2505. The bottom hole pressure survey is attached.

That's in contrast to the subject well's virgin bottom hole pressure of 3532, showing no communication with the subject well.

Also, the Jackson "GM" producing reservoi is an approved Section 102 new reservoir, so that even if there were correlation, it would not make any difference in the same zone because it's approved to be a new one.

The Jackson "GM" is located 1.7 miles from the subject well.

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Cross section 11, and the last one, the last well, Yates Petroleum Corporation City of Artesia "EQ" Com No. 1, located in Section 24 of 17, 25, was originally spudded 8-16-75, completed 9-18-75 in the Atoka and recompleted 11-15-75 -- I'm sorry, 11-30-75 in the Wolfcamp, 6530 to 6600, and it has no sands capable of commercial production in the Morrow reservoir, as shown on the logs.

Mr. Yates, is that all you have to say in regard to Exhibits One through Seven?

Yes, sir.

Mr. Yates, were these exhibits prepared by you or under your direction?

Yes, sir, certainly was.

MR. DICKERSON: Mr. Examiner, we'd move admission of Exhibits One through Seven at this time.

MR. STAMETS: These exhibits will be admitted.

Mr. Yates, in your opinion, was natural gas produced in commercial quantities from the reservoir and the subject well prior to April 20, 1977?

No, sir.

In your opinion was the reservoir penetrated in the subject well, penetrated before April 20, 1977, by an old well from which natural gas or crude oil was produced in commercial quantities?

No, sir.

MR. DICKERSON: Mr. Examiner, unless you have questions, that's all I have.

### CROSS EXAMINATION

BY MR. STAMETS:

Mr. Yates, has your geological staff analyzed the nature of the Morrow formation in this zone to be channel sands, beach bar type sands?

Do you want us to tell our trade secrets? No, the opinion seems to be that these are primarily channel sands that are running through here. We seem to be tying into very few beach sands and particularly, no beach sands that are integrated, that are in communication with the channel sands.

When you go further to the south, you encounter the old Atoka-Morrow Field, near the city of Atoka, and it's real strength, and the reason it produced over 100 billion cubic feet of gas, is because there are channel sands tied in with beach sands.

But when you go further to the north, it doesn't seem to happen to the extent -- or to any degree, that I know of, and this is the reason that we keep encounter ing virgin pressures and also do not have the reserves in the wells that we've encountered to the south.

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Q Is a channel sand situation one which lends itself to finding very closely spaced wells in totally separate reservoirs?

A. Yes, that's particularly true, and especially going on an east/west direction. For example, when you go from the "EV" No. 1 to the Goat Roper "LP", right in the same south half of 30, the channel sands seem to have a north/south direction, generally speaking, but I know of only two wells that are in the same channel, the Jackson "EM" No. 1 and the ARCO "EC" State No. 1 are in the same channel, and they're very close in Sections 25 and 35, that -- and they're north/south connection.

MR. STAMETS: Are there any other questions of this witness? He may be excused.

Anything further in this case?

Have we admitted these exhibits?

MR. DICKERSON: Yes.

MR. STAMETS: Okay, if there is nothing further, this case will be taken under advisement.

(Hearing concluded.)

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Santa Fe, 18w Phose (05) I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Snooy W. Boyd C.S.R.

do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No.

Öli Conservation Division

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION STATE LAND OFFICE BLDG. SANTA FE, NEW MEXICO 4 June 1980

### EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corpor- } ation for an NGPA determination, Eddy ) County, New Mexico.

CASE 6917

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

APPEARANCES

For the Oil Conservation Division:

Ernest L. Padilla, Esq. Legal Counsel to the Division State Land Office Bldg. Santa Fe, New Mexico 87501

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MR. NUTTER: We'll call next Case Number

6917.

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MR. PADILLA: Application of Yates Petroleum Corporation for an NGPA determination, Eddy County, New Mexico.

MR. NUTTER: Applicant has requested

Case Number 6917 will be continued to the continuance. Examiner Hearing scheduled to be held at this same place at 9:00 o'clock a. m. June 25th, 1980.

(Hearing concluded.)

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### CERTIFICATE

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sovey W. Boyd CSE

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 6917.
theard by me on 6/4 1980.

Conservation Division

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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION STATE LAND OFFICE BLDG. SANTA FE, NEW MEXICO 4 June 1980

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> I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case, No. 4917. heard by me on

Examiner On-Conservation Division

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Dockets Nos. 20-80 and 21-80 are tentatively set for July 9 and 23, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

#### DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 25, 1980

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

CASE 6891: (Readvertised)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Midwest Refining Company, United States Fidelity & Guaranty Company, and all other interested parties to appear and show cause why the State Well No. 1 located in Unit A of Section 16, Township 33 South, Range 14 West, Hidalgo County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6929: Application of Consolidated Oil & Gas, Inc. for downhole commingling, San Juan County, New Mexico.

Applicant, in the above-styled cause, seeks approval for the downhole commingling of Blanco

Mesaverde and Basin-Dakota production in the wellbore of its NCRA Well No. 1-E located in Unit G

of Section 22, Township 26 North, Range 7 West, by using the Dakota gas for gas lift of Mesaverde

liquids after metering on the surface.

Application of Amoco Production Company for an unorthodox well location, Eddy County, New Mexico.

Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Empire

South Deep Unit Well No. 21 to be drilled 660 feet from the North and East lines of Section 36,

Township 17 South, Range 28 East, the E/2 of said Section 36 to be dedicated to the well.

CASE 6931: Application of H. L. Harvey for downhole commingling, San Juan County, New Mexico.

Applicant, in the above-styled cause, seeks approval for the downhole commingling of Aztec-Fruitland and Bloomfield-Farmington production in the wellbore of his Jones Well No. 3 located in Unit B of Section 13, Township 29 North, Range 11 West.

CASE 6917: (Continued from June 4, 1980, Examiner Hearing)

Application of Yates Petroleum Corporation for an NGPA determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination for its Goat Roper "LP" Com. Well No. 1 located in Unit P of Section 30, Township 17 South, Range 26 East.

Application of Yates Petroleum Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its State "JM" Well No. 2, a Morrow test to be drilled 660 feet from the South and East lines of Section 25, Township 18 South, Range 24 East, the S/2 of said Section 25 to be dedicated to the well.

Application of Yates Petroleum Corporation for two compulsory poolings, Eddy County, New Mexico.

Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying two 320-acre proration units, being the N/2 and the S/2 of Section 2, Township 19 South, Range 25 East, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.

CASE 6934:

Application of Coronado Exploration Corporation for three compulsory poolings, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the San Andres formation underlying three 40-acre proration units, being the NW/4 SE/4 of Section 6, the NE/4 SE/4 of Section 28, and the SW/4 NW/4 of Section 33, all in Township 11 South, Range 28

East, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.

CASE 6901: (Continued from May 21, 1980, Examiner Hearing)

Application of Harvey E. Yates Company for compulsory pooling, Les County, New Mexico.

Applicant, in the showe-styled cause, seeks an order pooling all mineral interests in the Wolfcamp thru Mississippian formations underlying the E/2 of Section 19, Township 14 South, Range 36 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

- CASE 6935: Application of Dugan Production Corporation for downhole commingling, San Juan County, New Mexico.

  Applicant, in the above-styled cause, seeks approval for the downhole commingling of Basin-Dakota and undesignated Gallup production in the wellbore of its June Joy Well No. 2 located in Unit B of Section 25, Township 24 North, Range 10 West.
- CASE 6936: Application of Dugan Production Corporation for compulsory peoling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the S/2 of Section 26, Township 30 North, Range 14 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6916: (Continued from June 4, 1980, Examiner Hearing)

Application of Petro-Lewis Corporation for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of the Drinkard and Blinebry production in the wellbore of its State DC Well No. 1, a quadruple completion located in Unit F of Section 19, Township 21 South, Range 37 East.

- CASE 6937: Application of R. N. Hillin for an unorthodox location and dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of his DWV Well No. 4 to produce gas from the Wolfcamp and Morrow formations thru tubing and the annulus, respectively. Applicant further seeks approval of the unorthodox location of said well in the Wolfcamp and Pennsylvanian formations at a point 800 feet from the South line and 2000 feet from the East line of Section 34, Township 19 South, Range 28 East.
- CASE 6938: Application of Anadarko Production Company for an unorthodox gas well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Dalport Federal Well No. 1 660 feet from the South and West lines of Section 20, Township 13 South, Range 31 East, Southeast Chaves Queen Gas Area, the W/2 of said Section 20 to be dedicated to the
- CASE 6939: Application of Anadarko Production Company for compulsory pooling, Eddy County, New Mexico.

  Applicant, in the above-styled cause, seeks an order pooling all mineral interests at a depth from 2400 feet to 5000 feet below the surface, Turkey Track Field, underlying the NE/4 SE/4 of Section 10, Township 19 South, Range 29 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6940: Application of Adobe Oil Company for compulsory pooling, Lea County, New Mexico.

  Applicant, in the above-styled cause, seeks an order pooling all mineral interests down through the Wolfcamp formation underlying the NW/4 SE/4 for oil and the SE/4 for gas, Section 23, Township 20 South, Range 38 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6941: Application of Ellwade Corporation for a non-standard gas proration unit, Eddy County, New Mexico.

  Applicant, in the above-styled cause, seeks approval of a 129.52-acre non-standard gas proration unit comprising the W/2 of partial Section 33, Township 26 South, Range 30 East, Ross Draw-Wolfcamp area, to be dedicated to its Ross Draw Well No. 1 located in Unit C of said Section 33.
- CASE 6942: Application of Benson-Montin-Greer Drilling Corporation for amendment of Order No. R-2565-B, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Rule 2 of the Special Pool Rules for the West Puerto Chiquito-Mancos Oil Pool as promulgated by Order No. R-2565-B to provide that all 320-acre spacing and proration units in said pool would comprise either the W/2 or the E/2 of a governmental section, provided however, that one injection well would have dedicated thereto the N/2 of Section 1, Township 24 North, Range 1 West, and also that the short 400-acre sections on the South side of Township 27 North, Range 1 West, would each comprise a single spacing unit.
- CASE 6943:

  Application of Benson-Montin-Greer Drilling Corporation for a unit agreement, Rio Arriba County,
  New Mexico. Applicant, in the above-styled cause, seeks approval for the East Puerto ChiquitoMancos Unit Area, comprising 9,769 acres, more or loss, of Federal, Indian, and fee lands in Townships 26 and 27 North, Ranges 1 East and 1 West.

- CASE 6944: Application of Benson-Montin-Greer Drilling Corporation for a pressure maintenance project, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pressure maintenance project by the injection of gas, air, LPG, water, or chemicals into the Mancos formation thru 7 wells on its East Puerto Chiquito-Mancos Unit Area.
- CASE 6945: Application of ARCO Oil and Gas Company for salt water disposal, Lea County, New Mexico.

  Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates-Seven Rivers formation in the interval from 3550 feet to 4000 feet in its Fletcher Well No. 4 in Unit J of Section 27, Township 20 South, Range 34 East, Lynch Field.
- CASE 6946: Application of Knox Industries, Inc. for an unortholox gas well location, Lea County, New Mexico.

  Applicant, in the above-styled cause, seeks approval for the unortholox location of a well to be recompleted in the Morrow formation at a point 1980 feet from the North line and 660 feet from the East line of Section 1, Township 19 South, Range 34 East, the N/2 of said Section 1 to be dedicated to the well.
- CASE 6947:

  Application of Knox Industries, Inc. for pool contraction and creation and an NGPA determination,
  Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order deleting certain lands
  from the La Rica-Morrow Gas Pool and creating a new gas pool from said lands together with a determination that applicant's NM State Well No. 1 located in Unit P of Section 2, Township 19 South,
  Range 34 East, has discovered a new onshore reservoir pursuant to Section 102 of the NGPA.
- Application of Maralo. Inc. for dual completions and simultaneous dedication, Lea County, New Mexico.

  Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) and aimultaneous dedication in the Jalmat Pool of four wells in its Jalmat Yates Unit to produce oil from, and later on to inject water into, its Yates formation waterflood, and to produce oil from the Seven Rivers formation from two of the wells, the Nos. 19 and 20 located in Units C and D and to produce gas from the Seven Rivers from the other two wells, the Nos. 25 and 31 located in Units F and K, all in Section 18, Township 25 South, Range 37 East.
- CASE 6949: Application of Grace Petroleum Corporation for four compulsory poolings, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Escrito-Gallup Pool underlying four 80-acre proration units, being the E/2 NE/4, the S/2 NW/4, and the W/2 NW/4 of Section 28, and the W/2 SE/4 of Section 29, all in Township 24 North, Range 7 West, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.
- CASE 6950: Application of Bass Enterprises Production Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Morrow test well to be drilled 660 feet from the North line and 1980 feet from the East line of Section 4, Township 25 South, Range 31 East, the E/2 of said Section 4 to be dedicated to the well.
- CASE 6951: Application of Bass Enterprises Production Company for compulsory pooling, Eddy County, New Mexico.

  Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying the E/2 of Section 21, Township 22 South, Range 30 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6952: Application of Exxon Corporation for a non-standard gas proration unit, Eddy County, New Mexico.

  Applicant, in the above-styled cause, seeks approval of a 378.11-acre non-standard gas proration unit comprising Lots 1 and 2 and the N/2 NE/4 of Section 31, and Lots 1, 2, 3, 4, and the N/2 N/2 of Section 32, all in Township 26 South, Range 26 East, Morrow formation, to be dedicated to its Milepost Federal Com 2 Well No. 1 located in Unit A of said Section 31.
- CASE 6925: (Readvertised)

Application of Caribou Four Corners, Inc. for two exceptions to Rule 306, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 306 of the Division Rules and Regulations to permit the permanent flaring of gas from its Kircland Wells Nos. 1 and 2, located in Units A and B, respectively, of Section 13, Township 29 North, Range 15 West.

 $\alpha \circ \alpha \rightarrow \beta$ 

CASE 6914: (Continued from June 4, 1980, Examiner Hearing)

Application of Wilson Oil Company for a non-standard proration unit and unorthodox location, Lea County. New México. Applicant in the above-styled cause, seeks approval of a 320-acre non-Application of Wilson Oil Company for a non-standard proration unit and unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 320-acre non-standard gas proration unit comprising the S/2 of Section 29, Township 20 South, Range 36 East, 1650 feet from the South line and 1980 feet from the West line of said Section 29. CASE 6896: (This case will be continued to the July 9, 1980, Examiner Hearing)

Application of John E. Schalk for a non-standard gas proration unit and an unorthodox gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of Township 25 North, Range 3 West, to be dedicated to his Gulf Well No. 2 to be drilled at an unorthodox location 1925 feet from the North line and 790 feet from the East line of said Section 8. CASE 6487: (Continued from April 23, 1980, Examiner Hearing)

Application of El Paso Matural Gas Company for approval of infill drilling, Lea County, New Mexico.

Applicant: in the above-styled cause. seeks a waiver of existing well-spacing requirements and a Application of El Paso Natural Gas Company for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well-spacing requirements and a ship 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, is necessary to effectively well.

LAW OFFICES

### LOSEE, CARSON & DICKERSON, P. A.

A.J. LOSEE
JOEL M. CARSON
CHAD DICKERSON
DAVID R. VANDIVER

300 AMERICAN HOME BUILDING P. O. DRAWER 239 AREA CODE 505 746-3508

ARTESIA, NEW MEXICO 88210

May 27, 1980



Mr. Joe D. Ramey, Director Energy and Minerals Department Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

Re: Examiner Hearing of June 24, 1980

Case No. 6917

Dear Mr. Ramey:

Please continue Case No. 6917, entitled "In the Matter of the Application of Yates Petroleum Corporation for New Onshore Reservoir Determination Pursuant to Section 102 of the Natural Gas Policy Act of 1978," from June 4, 1980, to June 18, 1980. This is an application for an NGPA determination, Eddy County, New Mexico, in which applicant seeks a new onshore reservoir determination for its Goat Roper "LP" Com. Well No. 1, located in Unit H of Section 33, Township 17 South, Range 26 East, Kennedy Farms Field.

Thank you.

Sincerely yours,

LOSEE, CARSON & DICKERSON, P.A

Jechenon

Chad Dickerson

CD: DAN

Yates Petroleum Corporation

Docket No. 17-80

Dockets Nos. 19-80 and 20-80 are tentatively set for June 25 and July 9, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

#### DOCKET: COMMISSION HEARING - THURSDAY - JUNE 5, 1980

OIL CONSERVATION COMMISSION - 9 A.M. - ROOM 205 STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

CASE 6927: Application of Doyle Hartman for compulsory pooling and an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the S/2 of Section 24, Township 17 South, Range 28 East, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South and West lines of said Section 24. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6928: Application of ARCO 0il and Gas Company for compulsory pooling, Eddy County, New Mexico.

Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the S/2 of Section 24, Township 17 South, Range 28 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

Docket No. 16-80

#### DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 4, 1980

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamets, Alternate Examiner:

CASE 6803: (Continued from April 23, 1980, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit EPROC Associates, Hartford Accident and Indemnity Company, and all other interested parties to appear and show cause why its Monsanto State H Well No. 1 located in Unit E of Section 2, Township 30 North, Range 16 West, San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6906: Application of Amoco Production Company for a dual completion, Lea County, New Mexico.

Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its

South Matrix Unit Well No. 39 located in Unit G of Section 15, Township 24 South, Range 37 East, to

produce oil from the Fowler-Upper Yeso and Fowler-Drinkard Pools thru parallel strings of tubing.

CASE 6907:

Application of Amoco Production Company for a dual completion, Lea County, New Mexico.

Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its

Myers B Federal Well No. 28 located in Unit M of Section 9, Township 24 South, Range 37 East, to

produce gas from the Jalmat and Langlie Mattix Pools thru parallel strings of tubing.

CASE 6908: Application of Estoril Producing Corporation for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Curry State Well No. 1, a Pennsylvanian test to be drilled 660 feet from the North and East lines of Section 22, Tourship 22 South, Range 34 East, Antelope Ridge Field, the N/2 of said Section 22 to be dedicated to the well.

CASE 6909: Application of El Paso Natural Gas Company for downhole commingling, Rio Arriba County, New Mexico.

Applicant, in the above-styled cause, seeks approval for the downhole commingling of Basin-Dakota and Largo-Gallup production in the wellbore of its Rincon Unit Well No. 164 located in Unit L of Section 2, Township 26 North, Range 7 West.

# CASE 6886: (Continued from May 21, 1980, Examiner Hearing)

Application of Aminoil USA, Inc. for compulsory pooling and an unorthodox location, Eddy County, New an order pooling all mineral interests in the Application of Aminoil USA, Inc. for compulsory pooling and an unorthodox location, Eddy County, New Molfeany and Pennsylvanian formations underlying the an order pooling all mineral interests in the ling and completing said well to be drilled at an unorthodox location 10, Township 24 South, Range 28 and completing said well and the allocation of the cost thereof as well as actual operating costs. and 1773 feet from the East line of sai! Section 10. Also to be considered will be the cost of driland charges for supervision. Also to be considered will be the cost of driland the designation of applicant as operator

ling and completing said well and the allocation of the cost thereof as well as actual operating cost of the well and a charge for risk involved in drilling said well. and charges for supervision. Also to be considered will be the d of the well and a charge for risk involved in drilling said well. CASE 6910: Application of Grace Petroleum Corporation for four compulsory poolings, Rio Arriba County, New Applicant, in the above-styled cause, seeks an order pooling all mineral interests in t

Application of Grace Petroleum Corporation for four compulsory Poolings, Rio Arriba County, New Gailup formation underlying four 40-acre proration units, being all mineral interests in the will be dedicated to a well to be Grilled at a standard location 29, all in Township 24 North, Range 7 West, and the allocation of the cost thereof as well each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered as actual operating costs and charges for supervision, designation of the cost thereof as wells, and a charge for risk involved in drilling said wells.

CASE 6911: Application of Grace Petroleum Corporation for compulsory Pooling, Rio Arriba County, New Mexico. Application of Grace Petroleum Corporation for compulsory Pooling, Rio Arriba County, New Mexico. formation underlying the NE/4 NW/4 of Section 11, Township 23 North, Range 7 West, to be dedicated to and charges for supervision, designation of the cost thereof as well as actual operating costs operator of the well, and a charge for risk

ling and completing said well and the allocation of the cost thereof as well as actual operating cost involved in drilling said well.

Solution of applicant as operator of the well, and a charge for risk CASE 6912:

Application of Southland Royalty Company for a dual completion, Eddy County, New Mexico.

Mell No. I located in Unit E of Section 14, Township 19 South, Range 29 East, Turkey Track Field, to casing-tubing annulus, respective well No. 1 located in Unit E of Section 14, Township 19 South, Range 29 East, Turkey Track Field, to casing-tubing annulus, respectively CASE 6913: Application of Kerr-McGee Corporation for an unorthodox well location, Chaves County, New Mexico, in the above-styled cause, seeks approval for the unorthodox location of its State F We

Application of Kerr-McGee Corporation for an unorthodox well location, Chaves County, New Mexico.

No. 14 to be drilled 1310 feet cause, seeks approval for the unorthodox location of its State F Well

South, Range 33 East, Chaveroo-San Andres Pool. No. 14 to be drilled 1310 feet from the North line and 133 East, Chaveroo-San Andres Pool. CASE 6914: Application of Wilson Oil Company for a non-standard proration unit and unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 320-acre non-stand CASE 6915:

Application of Wilson Oil Company for a non-standard proration unit and unorthodox location, leas Proration unit comprising the above-styled cause, seeks approval of a 320-acre unn-standard to its State JD Well No. 1 at an unorthodox location less feet from the West line of said Section 29. Morrow Gas Pool, to be dedicated to its State JD Well No. 1 at as un the South line and 1980 feet from the West line of said Section 29. Application of Jake L. Hamon for a non-standard gas provation unit and an unorthodox well location, standard gas provation unit and an unorthodox well location, from the South line and 1980 feet from the West line of said Section 8.

Application for a non-standard gas provation unit and an unorthodox well location, from the South line and unorthodox well location, from the South line and 1980 feet from the West line of said Section 8.

CASE 6916; Application of Petro-Lewis Corporation for downhole commingling, Lea County, New Mexico. in Unit P of Section 19, Township 21 South, Rauge 37 East. CASE 6917: CASE 6918:

Application of Petro-Lewis Corporation for downhole commingling, Lea County, New Mexico.

and Blinsbry production in the wellbore of its State DC Well no. 1, a quadruple completion located Application of Yates Petroleum Corporation for an NGPA determination, Eddy County, New Mexico.

Applicant, in the above-styled cause, seeks a new onshore reservoir determination for its Goat

Application of Yates Petroleum Corporation for an NGPA determination, Eddy County, New Mexico.

"Lam Com. Wei! No. 1 located in Unit P of Section 30, Township 17 South, Range 26 East. Application of Yates Petroleum Corporation for downhole comingling, Eddy County, New Mexico.

South, Range 26 East, Kennedy "JO" Com. Well No. 1 located in Unit H of Section 33, lownship 17

Application of Yates Petroleum Corporation for downhole commingling or consolidation of two pools, mingling of Wolfcamp and Penn gas production in the wellbore of its Anderson store the downhole for its Anderson Section 14, and its Fordinkus Section 15 and Fordinkus Section 15 and Fordinkus Section 16 and the Pool and the Penasco Draw Permo-Penn Gas Pool into one Permo-Penn gas pool to CASE 6919:

- CASE 6920: Application of Yates Petroleum Corporation for a dual completion and unorthodox well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its 5 Mile Draw Federal Well No. 1 to produce from the Pennsylvanian and Abo formations thru the tubing and casing-tubing annulus, respectively; applicant also seeks approval for the unorthodox location of said well in the Abo formation 800 feet from the South line and 2100 feet from the East line of Section 34, Township 6 South, Range 25 East, the SE/4 of the section to be dedicated to the well.
- CASE 6903: (Continued from May 21, 1980, Examiner Hearing)

Application of Harvey E. Yates Company for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Pennsylvanian-Hississippian test well to be drilled 660 feet from the South line and 990 feet from the East line of Section 33, Township 13 South, Range 36 East, the S/2 of said Section 33 to be dedicated to the well.

CASE 6904: (Continued from May 21, 1980, Examiner Hearing)

Application of Harvey E. Yates Company for a unit agreement, Lea County, New Mexico.

Applicant, in the above-styled cause, seeks approval for the McDonald Unit Area, comprising 1,440 acres, more or less, of fee lands in Townships 13 and 14 South, Range 36 East.

- CASE 6921: Application of Harvey E. Yates Company for compulsory pooling, Lea County, New Mexico.

  Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Mississippian formations underlying the S/2 of Section 33, Township 13 South, Range 36 East, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South and East lines of Section 33. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6922: Application of Harvey E. Yates Company for compulsory pooling, Eddy County, New Mexico.

  Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the WolfcampPennsylvanian formations underlying the E/2 of Section 24. Township 18 South, Range 28 East, to be
  dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the
  cost of drilling and completing said well and the allocation of the cost thereof as well as actual
  operating costs and charges for supervision, designation of applicant as operator of the well and a
  charge for risk involved in drilling said well.
- CASE 6923: Application of Harvey E. Yates Company for a unit agreement, Lea County, New Mexico.

  Applicant, in the above-styled cause, seeks approval for the Cayton-Austin Unit Area, comprising 960 acres, more or less, of State and for lands in Township 14 South, Range 36 East.
- CASE 6924: Application of Caribou Four Corners, Inc. for two unorthodox oil well locations, San Juan County,
  New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of two
  wells to be drilled, the first being 860 feet from the North line and 2090 feet from the West line,
  and the second being 910 feet from the North line and 395 feet from the West line, both in Section
  13, Township 29 North, Range 15 West, Cha Cha-Gallup Oil Pool, the E/2 and the W/2, respectively, of
  the NW/4 of said Section 13 to be dedicated to the wells.
- Application of Caribou Four Corners, Inc. for two exceptions to Rule 306, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 306 of the Division Rules and Regulations to permit the permanent flaring of gas from its Kirtland Wells Nos. 1 and 2, located in Units A and B, respectively, of Section 13, Township 29 North, Range 15 West.
- CASE 6889: (Readvertised)

Application of Belco Petroleum Corporation for directional drilling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to directionally drill a well, the surface location of which is 1980 feet from the North line and 920 feet from the West line of Section 36, Township 22 South, Range 30 East, in such a manner as to bottom it at an unorthodox location within 660 feet of a point 1320 feet from the North line and 2640 feet from the West line of said Section 36 in the Morrow formation, the N/2 of said Section 36 to be dedicated to the well.

CASE 6896: (Continued from May 21, 1980, Examiner Hearing)

Application of John E. Schalk for a non-standard gas proration unit and an unorthodox gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard Blanco Mesaverde gas proration unit comprising the NE/4 of Section 8, Township 25 North, Range 3 West, to be dedicated to his Gulf Well No. 2 to be drilled at an unorthodox location 1925 feet from the North line and 790 feet from the East line of said Section 8.

- CASE 6926: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating, contracting vertical limits, and extending horizontal limits of certain pools in Chaves,
  - (4) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production and designated as the Arkansas Junction-Pennsylvanian Pool. The discovery well is Rex Alcorn would comprise:

# TOWNSHIP 18 SOUTH, RANGE 36 EAST, MMPM Section 20: SE/4

# TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM Section 36: SW/4

(c) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production and designated as the East Burton-Delaware Pool. The discovery well is J. C. Williamson TOG Federal commrise:

### TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM Section 16: NW/4

(d) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the Dog Canyon-Strawn Gas Pool. The discovery well is Harvey E. Yates Company Said nool would comprise:

1. Cated in Unit P of Section 6, Township 17. South, Range 28 East, NAPM.

### TOURISHIP 17 SOUTH, RANCE 28 EAST, MMPM Section 6: S/2

(e) CREATE a new pool in Chaves County, New Mexico, classified as an oil pool for San Andres production and designated as the South Double L-San Andres Pool. The discovery well is McClellan Oil East. Maps. Said pool would comprise.

### TOWNSHIP 15 SOUTH, BANGE 30 EAST, MARN Section 30: 98/4

(f) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Grayburg production and designated as the Empire-Grayburg Gas Pool. The discovery well is Carl A. Schellinger West mould comprise:

# SOCIETA 14: NE/4 RANCE 27 EAST, MIPH

(a) Chears a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the Morth Hume-Morrow Gas Pool. The discovery well is Bass Enterprises Production Said most would comprise. Production of Section 16, Township 15 South, Range 34 East,

### THREATE 15 SOUTH, BANCE 34 EAST, MICH

designated as the Lust-Atoka Gas Fool. The discovery well is Phillips Petroleum Company Lusk Deep mand would commrise:

\*\*Record To Section 18, Township 19 South, Range 32 East, MPM.

TOLNISHIP 19 SOUTH, RANGE 32 EAST, MIPM

(i) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Milepost-Morrow Gas Pool. The discovery well is Exxon Corporation Scheidt Federal Well No. 1 located in Unit L of Section 30, Township 26 South, Range 26 East, NMPM. Said pool would comprise:

TOWNSHIP 26 SOUTH, RANGE 25 EAST, NMPM Section 36: N/2 N/2 and Lots, 1, 2, 3, and 4

TOWNSHIP 26 SOUTH, RANGE 26 EAST, NMPM Section 30: \$/2
Section 31: N/2 NW/4 and Lots 3 and 4

(j) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the Turkey Track-Atoka Gas Pool. The discovery well is Tenneco Oil Company State HL 11 Well No. 1 located in Unit N of Section 11, Township 19 South, Range 29 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM Section 10: E/2 Section 11: S/2

- (k) CONTRACT the vertical limits of the East Grama Ridge-Bone Springs Pool to the interval from 10,472 feet to 10,900 feet as found on the type log for the Getty Oil Company State 35 Well No. 1 located in Unit K of Section 35, Township 21 South, Range 34 East, NMPM, and redesignate said pool as the East Grama Ridge-Lower Bone Springs Pool.
- (1) EXTEND the Airstrip-Upper Bone Springs Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANCE 34 EAST, NMPM Section 25: W/2 SW/4 Section 26: SE/4

(m) EXTEND the Atoka-Yeso Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM Section 33: NW/4 and N/2 S/2

(n) EXTEND the Brunson-Fusselman Pool in Les County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM Section 8: SE/4

(o) EXTEND the Buckeye-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NHPM Section 9: NW/4

(p) EXTENU the Burton Flat-Horrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANCE 26 EAST, NMPM Section 13: W/2 Section 14: E/2

(q) EXTEND the Catclaw Draw-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOURSHIP 20 SOUTH, RANGE 26 EAST, NMPM Section 34: S/2

ROWNSHIP 21 SOUTH, RANGE 25 EAST, NNPM Section 2: Lots 1 through 8

(r) EXTEND the Chaveroo-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM Section 34: NE/4

TOWNSHIP 8 SOUTH, RANGE 32 EAST, NMPM Section 3: SW/4

(s) EXTEND the Cinta Roja-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 35 EAST, NHPM Section 4: All

(t) EXTEND the South Corbin-Strawn Pool in Lea County, New Mexico, to include therein:

TCWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM Section 29: N/2 Section 30: N/2

(u) EXTEND the South Corbin-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM Section 28: W/2

(v) EXTEND the Crooked Creek-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 24 EAST, NMPM Section 8: S/2

(w) EXTEND the South Empire-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 29 EAST, MMPM Section 17: All

(x) EXTEND the East Grama Ridge-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 34 EAST, NMPM Section 12: W/2

(y) EXTEND the Hat Mess-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 32 EAST, NMPM Section 10: W/2

(z) EXTEND the Henshaw Queen-Grayburg-San Andres Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM Section 11: SW/4 SW/4 Section 14: S/2 and W/2 NW/4 Section 15: E/2 SE/4

(as) EXTEND the Hobbs-Drinkard Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 38 EAST, HMPM Section 4: SE/4

(bb) EXTEND the Indian Plats-Delsware Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANCE 28 EAST, MMPM Section 2: N/2 NE/4

(cc) EXTEMD the South Kemnitz Atoka-Mcrrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM Section 29: W/2

(dd) EXTEND the Logan Draw-San Andres Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NHPM Section 19: H/2 ME/4 and SE/4 ME/4

(ee) EXTEND the Middle Lynch Yates-Seven Rivers Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM Section 21: E/2 SW/4

Page 7 of 7 Examiner Hearing - Wednesday - June 4, 1980

Docket No. 16-80

(ff) EXTEND the Penasco Draw San Andres-Yeso Associated Pool in Eddy County, New Hexico, to include therein:

> TOWNSHIP 18 SOUTH, RANGE 25 EAST, MPM Section 31: SW/4

(gg) EXTEND the East Red Lake Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 28 EAST, MPM

Section 25: S/2 S/2 Section 26: S/2 SE/4 and SE/4 SW/4 Section 36: N/2 NW/4

(hh) EXTEND the North Shugart-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NAPH Section 17: S/2

(ii) EXTEND the Tomahawk-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 31 EAST, NMPM Section 25: SE/4

(jj) EXTEND the Turkey Track Seven Rivers-Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NAPM Section 9: E/2 NE/4

(kk) EXTEND the North Vacuum-Abo Pool in Les County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM Section 17: NW/4

(11) EXTEND the Winchester-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 28 EAST, NAPM Section 3: All

(mm) EXTEMD the Winchester-Upper Pennsylvanian Gas Pool in Eddy County, New Mexico, to include therein:

> TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM Section 30: W/2

> > Docket No. 18-80

#### BOCKET: EXAMINER HEARING - THURSDAY - JUNE 19, 1980

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Mutter, Examiner, or Richard L. Stamets, Alternate Examiner:

Allowable: (1) Consideration of the allowable production of gas for July, 1980, from fifteen prorated pools in Les, Eddy, and Chaves Counties, New Mexico.

(2) Consideration of the allowable production of gas for July, 1980, from four provated pools in San Juan, Rio Arriba, and Sandoval Counties, New Hexico.

LAW OFFICES

### LOSEE, CARSON & DICKERSON, P. A.

300 AMERICAN HOME BUILDING

P. O. DRAWER 239

ARTESIA, NEW MEXICO 88210

CHAD DICKERSON

A.J. LOSEE JOEL M. CARSON



Case 6917

AREA CODE 505

746-3508

Mr. Joe D. Ramey, Director Energy and Minerals Department Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

Dear Mr. Ramey:

Enclosed for filing, please find three copies of the Application of Yates Petroleum Corporation for New Onshore Reservoir Determination Pursuant to Section 102 of the Natural Gas Policy Act of 1978.

We ask that this case be set for hearing before an examiner and that you furnish us with a docket of said hearing.

Thank you.

Sincerely yours,

LOSEE, CARSON & DICKERSON, P.A.

where

Chad Dickerson

CD:pvm Enclosures

cc: Yates Petroleum Corporation



### BEFORE THE OIL CONSERVATION DIVISION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF YATES PETROLEUM CORPORATION FOR NEW ONSHORE RESERVOIR DETERMINATION PURSUANT TO SECTION 102 OF THE NATURAL GAS POLICY ACT OF 1978

CASE NO. 69/7

### APPLICATION

COMES NOW Yates Petroleum Corporation, and in support hereof, respectfully states:

1. Pursuant to Order of the Division entered November 2, 1979, in Case No. 6693, Order No. R-6166, applicant has drilled and completed its Goat Roper "LP" Com. No. 1 Well, located 1,130 feet from the south line and 1,300 feet from the east line of Section 30 as a well capable of producing gas in commercial quantities from the Morrow formation, through perforations between 8,365 and 8,373 feet beneath the surface, and dedicated the following lands to the proration unit:

Township 17 South, Range 26 East, N.M.P.M.

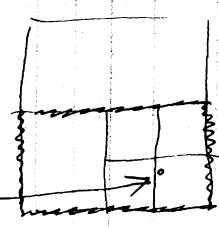
Section 30: S/2

containing 320 acres, more or less, in Eddy County, New Mexico.

2. Applicant's well is completed in a New Onshore Reservoir as defined in §102(c)(1)(c) of the Natural Gas Policy Act of 1978, and applicant is entitled to have such fact determined and in the interim to collect its Maximum Lawful Price therefor pursuant to said federal act, pending final approval of the Federal Energy Regulatory Commission.

WHEREFORE, applicant prays:

R6166 approved unas Hodas forestion.



- A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law;
- B. That, upon hearing, the Division enter its order determining that applicant's well is completed in a New Onshore Reservoir for the production of gas from the Morrow formation, and that applicant be authorized to collect Maximum Lawful Price for sale of such gas to which it is entitled under said act, pending final approval of the Federal Energy Regulatory Commission;
- C. And for such other and further relief as may be just in the premises.

YATES PETROLEUM CORPORATION

By: Harper

Secretary-Treasurer

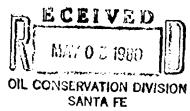
LOSEE, CARSON & DICKERSON, P.A.

Chad Dickerson

P. O. Drawer 239

Artesia, New Mexico 88210

Attorneys for Applicant



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OF THE STATE OF NEW MEXICO

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Section 30: 8/2

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YATES PETROLEUM CORPORATION

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Secretory-Treasurer

LOSES, CARSON & DICKERSON, P.A.

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P. O. Drawer 239 Artesia, Her Mexico 88210

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Attorneys for Applicant



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YATES PETROLEUM CORPORATION

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