THE 5920: YATES PETROLEUM CORPORATION FOR A DUAL COMPLETION AND UNORTHODOX WALL LOCATION, CHAVES COUNTY, NEW MEXICO

Case 110.

Application
Transcripts

Small Exhibits

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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

BHLICE KING SOURMOR LARRY KEHOE

June 20, 1980

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

Re Mr. Chad Dickerson Losee, Carson & Dickerson	CASE NO. 6920 ORDER NO. R-6384
Attorneys at Law Post Office Box 239 Artesia, New Mexico 88210	Applicant:
	Yates Petroleum Corporation
Dear Sir:	
Enclosed herewith are two copies Division order recently entered	
Pours very truly, JOE D. RAMEY Director	
JDR/fd	
Copy of order also sent to:	
Robbs OCD * Artesia OCD * Aztec OCD Other	

STATE OF NEW MEXICO EMERGY 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. 6920 Order No. R-6384

APPLICATION OF YATES PETROLEUM CORPORATION FOR A DUAL COMPLETION AND UNORTHODOX WELL LOCATION, CHAVES COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on June 4, 1980, at Santa Fe, New Mexico, before Examiner Daniel S. Mutter.

HOW, on this 18th day of June, 1980, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises.

PINDS:

- (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 authority to complete its 5 Mile Draw Federal "LX" Well Mo. 1, legated in Unit 0 of Section 34, Township 6 South, Range 25 Hast, MINN, Chaves County, New Mexico, as a dual completion (conventional) to produce gas from the Abo formation through the Gasing-tubing annulus and gas from the Pennsylvanian formation through 2 7/8-inch tubing, with separation of the mones to a make an approximately 4600 feet.
- (3) That the applicant also seeks approval for the unorthomos location of said well in the Abo formation 800 feet from the south line and 2100 feet from the East line of said Section 34.
- (4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

-2-Case No. 6920 Order No. R-6384

(5) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Yates Petroleum Corporation, is hereby authorized to complete its 5 Mile Draw Federal "LX" Well No. 1, located in Unit O of Section 34, Township 6 South, Range 25 East, NMPM, Chaves County, New Mexico, as a dual completion (conventional) to produce gas from the Abo formation through the casing-tubing annulus and gas from the Pennsylvanian formation through 2 7/8-inch tubing set in a packer located at approximately 4600 feet.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 12-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer leakage tests upon completion and annually thereafter during the Annual Gas Well Shut-In Pressure Test Period for Southeast New Mexico.

- (2) That approval is hereby given 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 said Section 34, the EE/4 of the section to be dedicated to the well in the Abo.
- (3) That jurisdiction of this cause is retained for the matry of such further orders as the Division may deem necessary.

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

STATE OF MEN MEXICO OIL CONSERVATION DIVISION

JOE D. RANEY

Director

BEAL Ed/ 4 June 1980

EXAMINER HEARING

STATE OF NEW MEXICO

IN THE MATTER OF:

Application of Yates Petroleum Corporation for a dual completion and unorthodox well location, Chaves County, New Mexico.

CASE 6920

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

For the Applicant:

Chad Dickerson, Esq. Losee, Carson, and Dickerson Artesia, New Mexico

ALLY W. BOYD, C.S.I Rt. 1 Box 195-B Sente R. New Mexico 77301 Phone (903) 455-7409

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MR. NUTTER: Call next Case Number 6920.

MR. PADILLA: Application of Yates Petroleum Corporation for a dual completion and unorthodox well location, Chaves County, New Mexico.

MR. DICKERSON: Chad Dickerson, Artesia, for the applicant, and Mr. Mahfood is still under oath and testifying.

EDDIE MAHFOOD

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

DIRECT EXAMINATION

BY MR. DICKERSON:

Mr. Mahfood, would you briefly describe the purposes which Yates seeks by this application in Case Number 6920?

A We seek to dually complete the subject well in the Penn and in the Abo.

Q. Refer to what is marked Exhibit Number
One and describe what it shows.

Exhibit Number One is a lease ownership map showing the location of the subject well and the spacing unit dedicated to the Cisco and to the Abo. In yellow is the dedication to the Abo.

ALLY W. BOYD, C.S.R Rt. 1 Box 193-8 Saria Pe, New Mexico 17501

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And your well is presently completed in what formation? The well is completed in the Penn. A.

Is the well hooked up?

No, there is no pipeline connection at this time.

Mr. Mahfood, are there any other wells in the vicinity of the subject well that you wish to point out to the Examiner on Exhibit Number One?

We have other wells in the area. For instance, in Section 36 is the McKennon "MB" No. 1 in Unit B of Section 36. There is a well in Section 3 to the south, and in Section 9. There's a proposed location in Section 4. There is other wells in the area.

Would you give the footage location of this well, or at least describe to the Examiner, is it not among also your purposes here to request approval of an unorthodox location for the Abo in the event the present location of the well is actually actually unorthodox under the rules?

That is correct. The well is located 800 feet from the south and 2100 feet from the east. Technically it's a non-standard location because of its proximity to the west boundary, being less than 660 feet; however, it is a contiguous ownership, and therefor I'm not sure that

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you can call it a boundary.

0. Well, the ownership of the southeast quarter, though, and the southwest quarter is not the same, is it?

A No.

Q Mr. Mahfood, refer to Exhibit Number Two and describe what it shows.

sketch of the proposed dual completion. At the present time the well is completed with the tubing and packer at 4600 feet; producable perforations are 4858 to 4865. There's a retrieveable bridge plug at 4897, which could be removed to allow the 4908 - 4916 to be produced also.

We have a fairly good completion there at 4858 to 65 and rather than jeopardize losing that at this time we do not plan to remove the retrievable bridge plug at this time.

However, when the dual completion is permitted we'll have to kill the well and then at that time we can remove the retrievable bridge plug.

The Abo will be perforated in the interval of 3564 to 3840, selectively. The Abo curves in this area are all within eight pounds of one another, so they're approximately 1100 bottom hole pressure.

The Penn, on the other hand, has a bottom

hole pressure of 1846 pounds and there is not very good correlation; therefor, we suspect it might be a not very extensive reservoir and to make it attractive to get a pipeline in this area we feel like we need to dual complete the well in the Abo, which we know is extensive.

Q. And in your opinion will the dual completion of this well result in the recovery of gas which would not otherwise be recovered?

A. Yes, I think it would.

Now, Mr. Mahfood, assuming the Division grants this application, Yates would then comply with the provisions of Rule 112 to test the casing for leaks and so forth?

A Yes, we will conduct the statutory tests.

Refer to Exhibit Number Three and describe what it shows, please.

neutron log and formation density log. Incrange on the right is indicated porosities. On the left is the indicated cutoff of gamma ray. We have the Abo and the Penn porosity zones shown here. The Penn perforations are also shown in red.

Q Turn to Exhibit Number Four and describe what it shows.

A It is a dual lateral log of the same well.

In orange is the separation of the dual lateral log and in

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yellow is the RXO or indication of filter cake.

You'll note that the Abo has considerably better permeability than the Penn and therefor the Abo is more desireable for completion.

Mr. Mahfood, in your opinion will the granting of this application be in the interest of conservation, the prevention of waste, and the protection of correlative rights?

A. Yes.

And were Exhibits One through Four either prepared by you or otherwise based upon your personal know-ledge?

A. Yes.

MR. DICKERSON: Move the admission of Exhibits One through Four, Mr. Examiner.

MR. NUTTER: Yates Exhibits One through Four will be admitted in evidence.

MR. DICKERSON: And that concludes this case.

CROSS EXAMINATION

BY MR. NUTTER:

Mr. Mahfood, now you were mentioning the well in Section 36 and in Section 28 and Section 9. Are those Pennsylvanian wells or Abo wells?

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I believe they are all Abo wells, sir. What kind of potentials do you get in the Abo in this area? Mr. Examiner, at the moment we have asked that this be confidential. They're in the neighborhood of 1 - 2 million. From 1 to 2 million, and your Pennsylvanian here makes about 800,000 a day. Yes, sir. But none of the wells in this area is connected at the time; there is no pipeline? No, sir. Now did you give us -- oh, yeah, you did. You gave us a pressure of 1846 on the Pennsylvanian. That is correct. And around 1100 pounds on the Abo. That's right. MR. NUTTER: Are there any further questions of Mr. Mahfood? He may be excused. Do you have anything further, Mr. Dickerson, in this case? MR. DICKERSON: No, sir.

they wish to offer in Case Number 6920?

MR. NUTTER: Does anyone have anything

We'll take the case under advisement.

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.

Souly W. Boyd CSR

do hereby certify that the foregoing to a complete record of the proceedings the Examiner hearing of Yase _, Examiner 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

EXAMINER HEARING

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do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case to. 6920 heard by me on 64 1986.

Oll Conservation Division

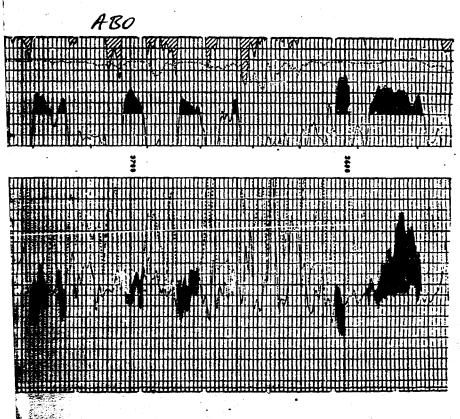
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SALLY W. BOYD

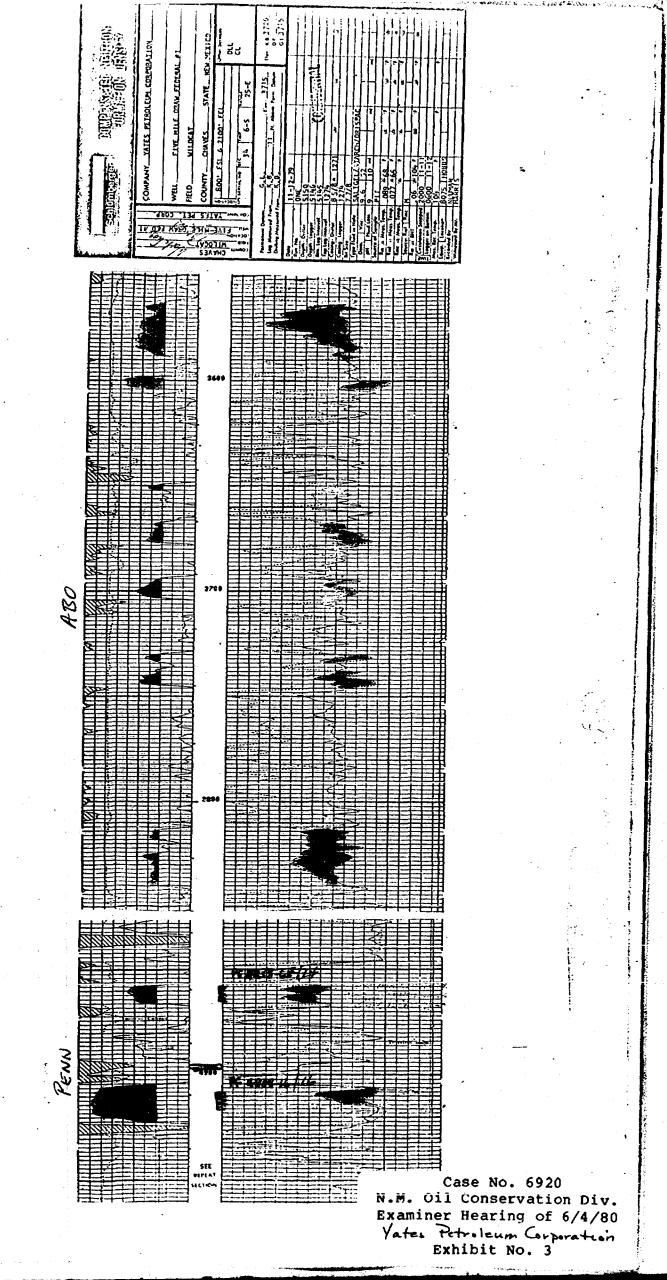
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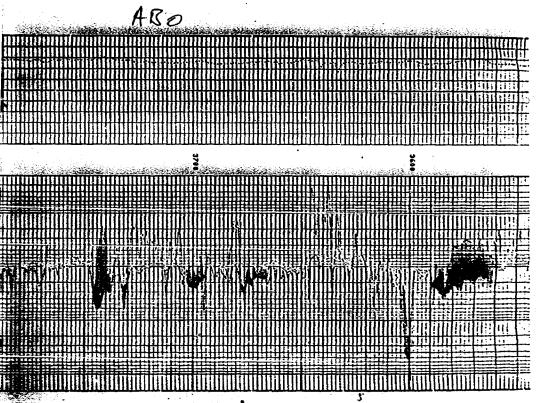
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Yates Petroleum Corporation		
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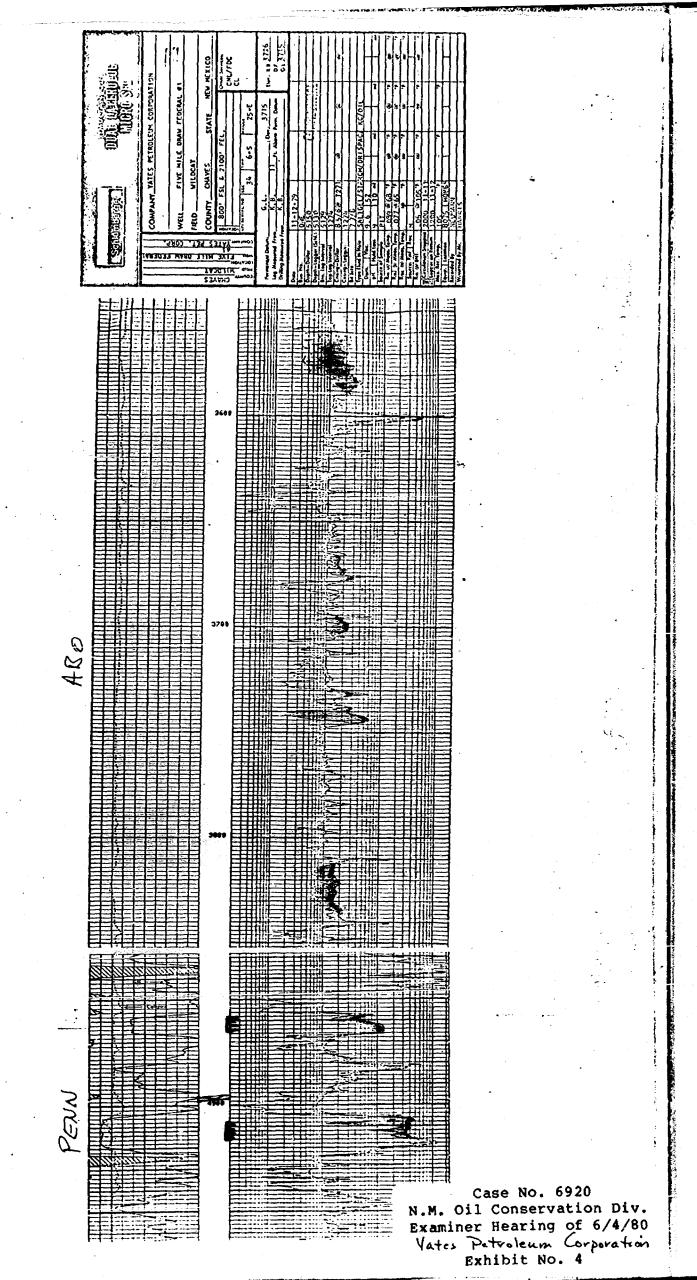


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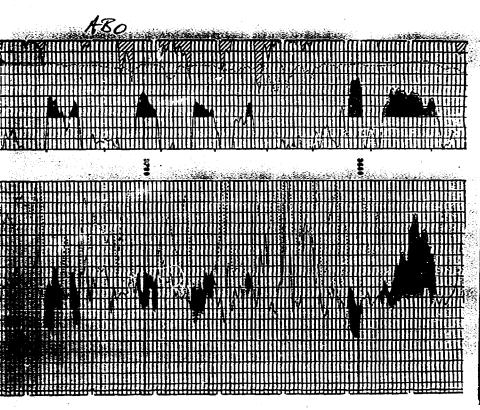


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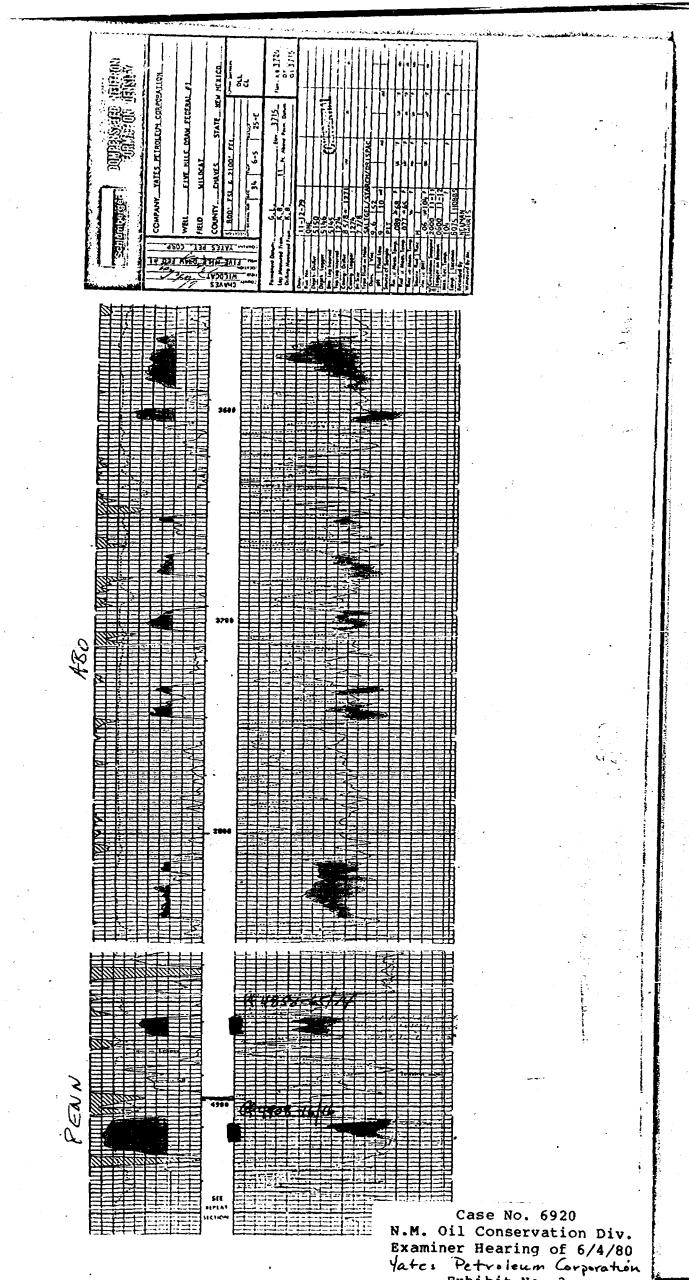


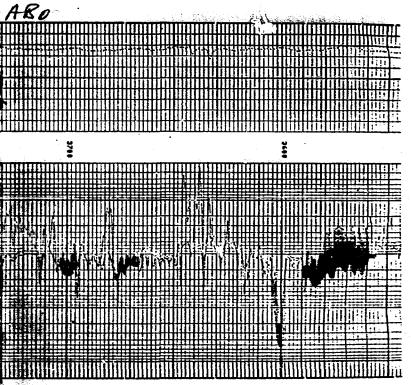
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Diagrammatic Sketch of Propose	sed Dual Completion set with the
	THE THE LY FER LAMINOCAL
Elevation: 2726'x8 (375 GL)	Sec. 34, T. & S. R. 25 E. NAPA
Spudded: 10-27-79	Chaves County, N.M.
Completed: 12-6-79 (Pehn)	
	13 13% 48 Csg set 2 380, centa
	to surface w1400 sx.
- //	//ii-
Top of San andres to 423'	
	12/4" hole to 1271"
	1 8 8 24 Jes Csg sel 2 1271, could
Top Gorista 10901	to surface w 1,050 sx.
	# 1
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	Top of coment a 3200 (Temp Survey)
Tap Ab @3519	
Abo paix 1100 psi BHP	Abo Perts 3564'-3840'
100 fast 2 1700 pt	AIIAJ
Tap Walfamp @ 4/80	
	-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N-H-I-N
	2 Tubing in Packet @ 4,000
Too Penn @ 4,678	
Por Con late Con 1800 as a	
Penn Completion Gas 800 melps	TH 1000 1.10% DS 30, SF 60000 20/40 in 200009 + CO
	14.1000g: 15% DS:30, SF Sanon 20/40 in 41000g + 6
80° on /2° Ck : 40 mcfpd1	TA 1000g: 15% DS-30, SF 50000 2040 in 41000g + 4
	PB70: 5,101
Case No. 6920	15% - 14#/ft cause @ 5,46' cmt W/540.5x
N.M. Oil Conservation Div.	52 -14 / Caring @ 5,46 cmt w/540 5x
Examiner Hearing of 6/4/80  Vates Petroleum Corporation	TP: 5,150'
Exhibit No. 2	

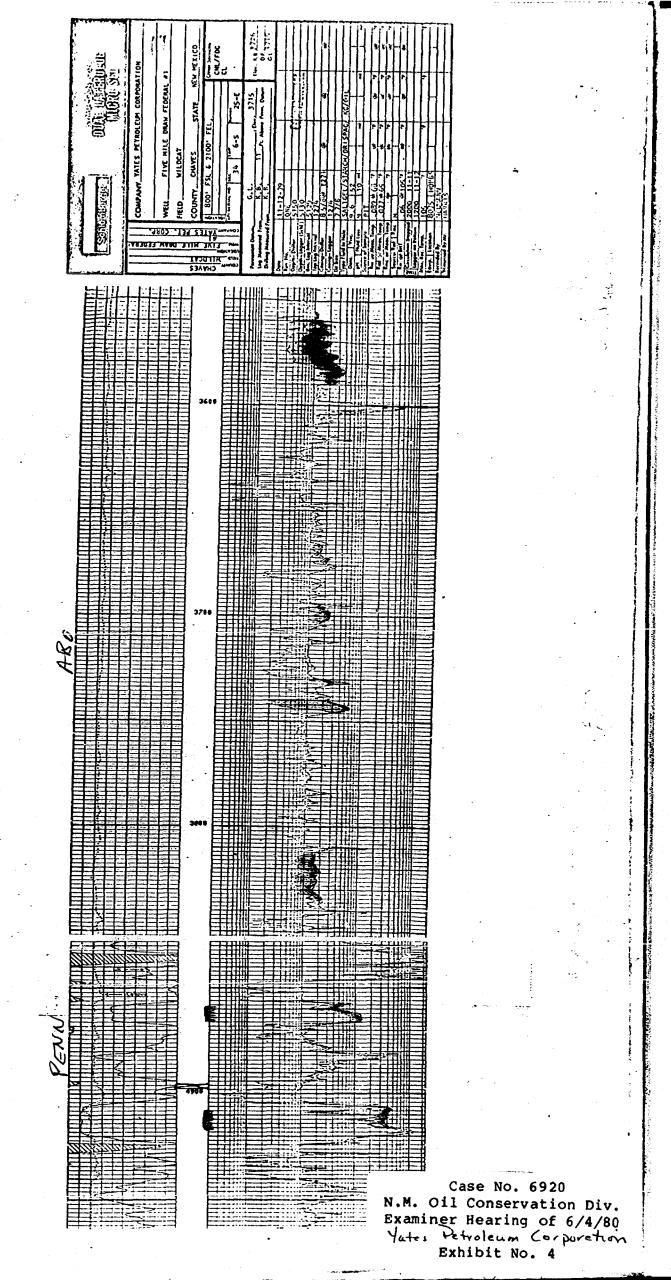


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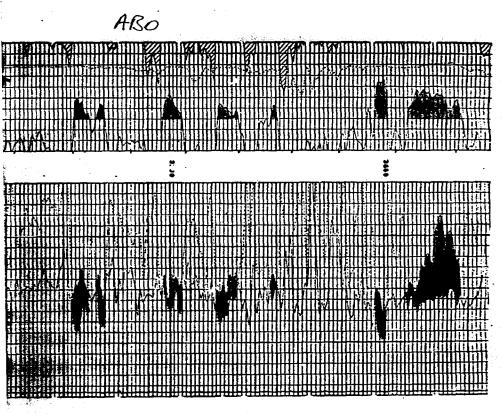


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GORP.	***************************************	E HILE DRAY			<u>-</u>
CHAVES WILDCAT FINE HILE OF	BOO' FSL 6	2100' FEL	TATENE	M MEXICO Control CNL/FDC CL	
Personal Paters. Leg Personal Freid Dilling Measured Fr		6-5   6-5   11   12   12   13   14   15   15   15   15   15   15   15	25-E ,_3715 // Date:	tler. Kit. <u>27</u> GL 37.	
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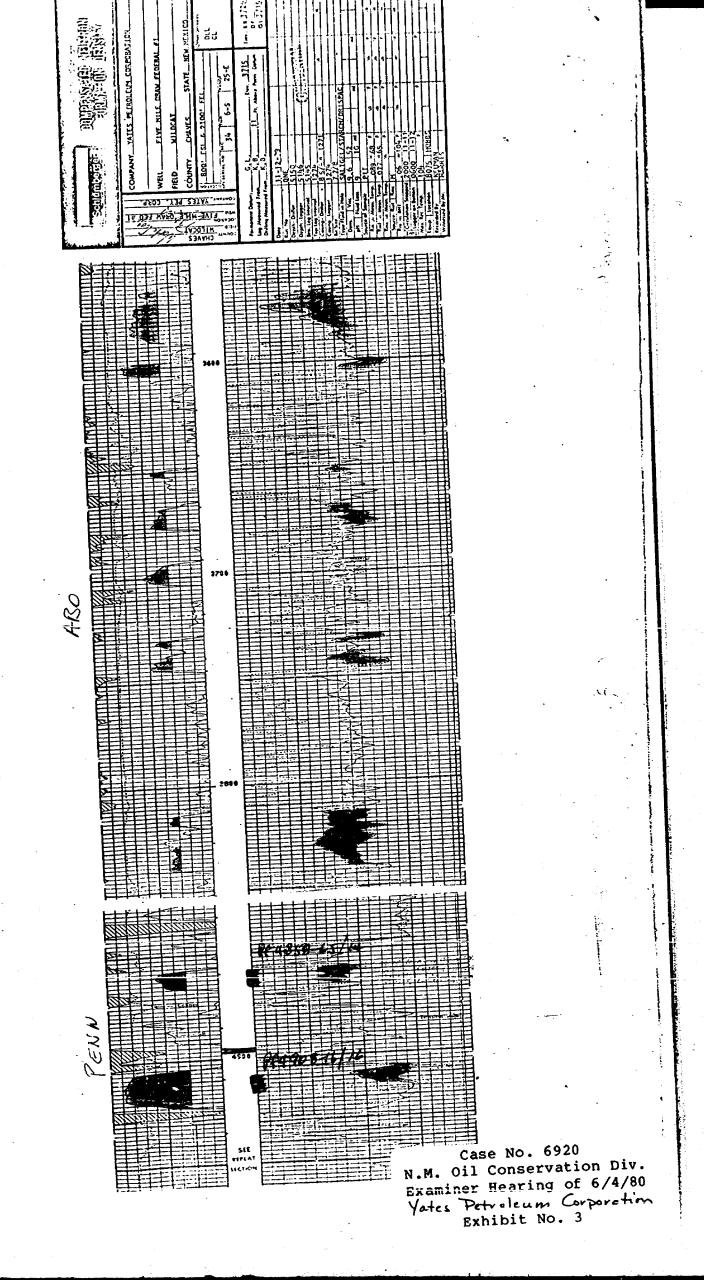


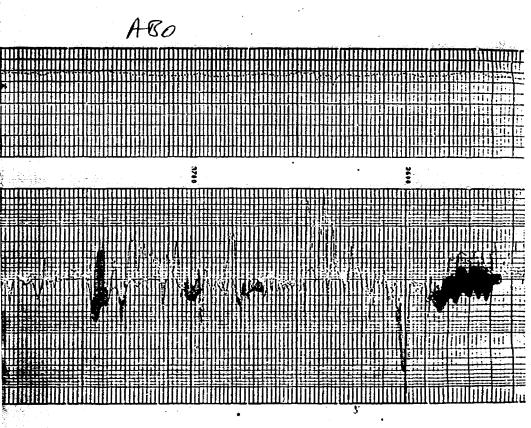
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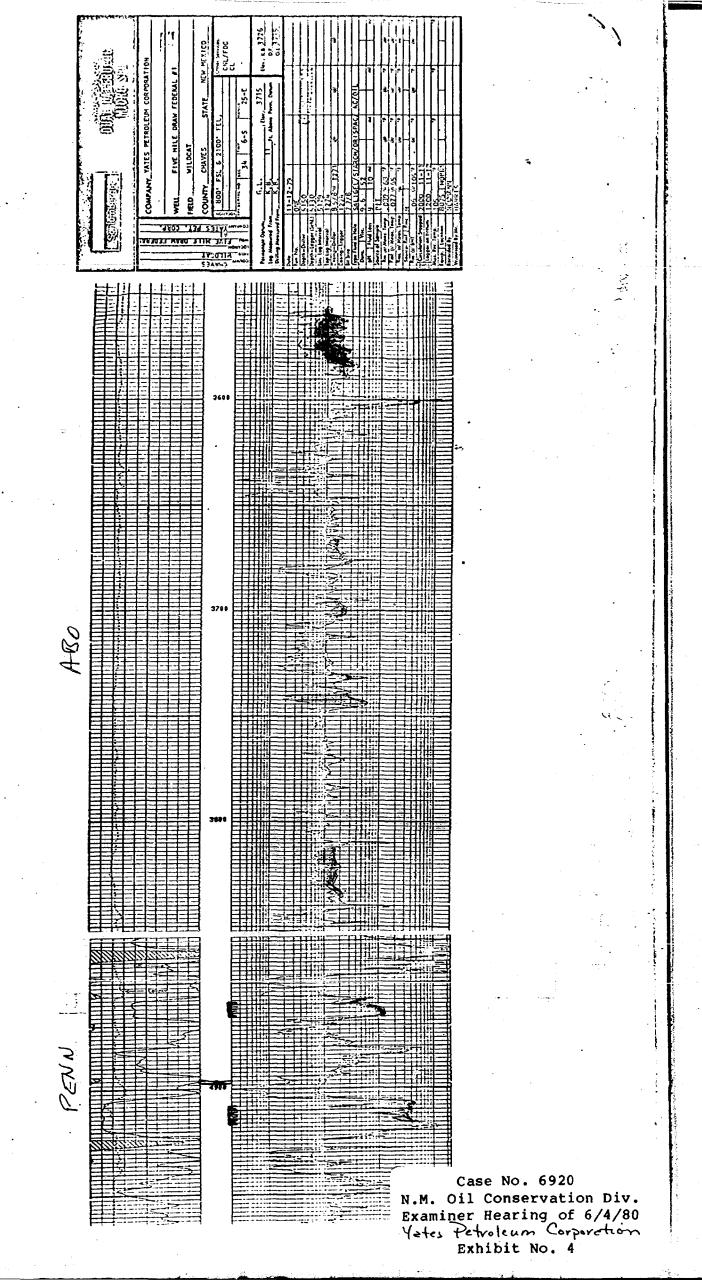
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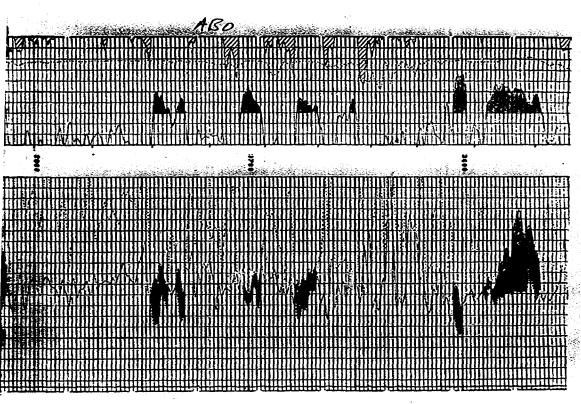
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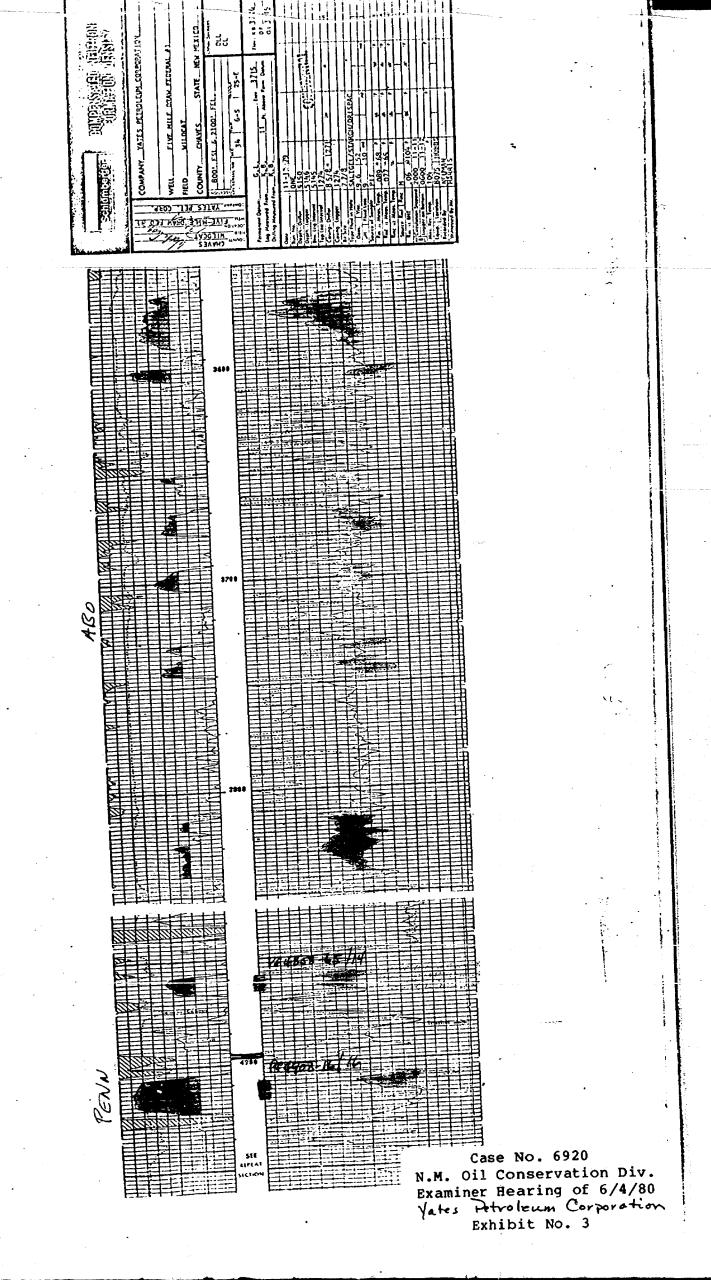


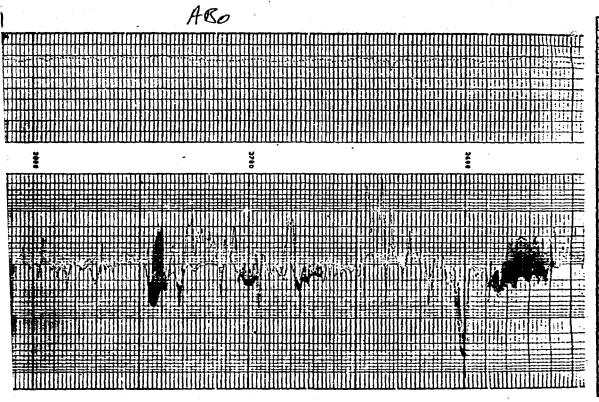
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Diagrammatic Sketch of Pro	posed I	Juci C	ompletion Francisco
			(X) Five Mile Drms. Lx Fed. Com. No. 1,  (X) 800 FSL £ 2100 FEL
Elevation: 3726'KB (375 GL)  Spudded: 10-27-79	15/1		Sec. 34, T. 65.1. R. 25E, NAPM Chaver County, N.M.
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		-	to surface wi400 sx.
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Case No. 6920 N.M. Oil Conservation Div.			5/2"-14#/ft cours @ 5146' cont w/540.5x
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Exhibit No. 2		<u></u>	

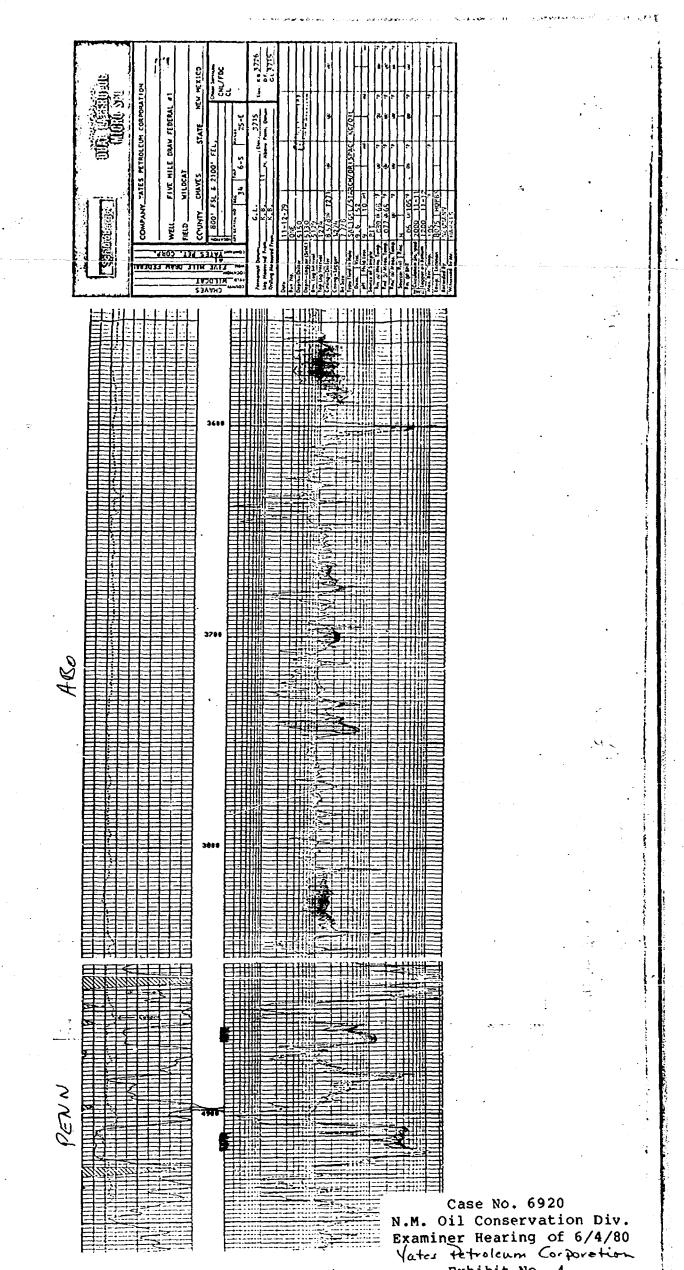


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Docket No. 17-80

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 Oil 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 Mattix 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 see 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, Township 23 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 Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp and Pennsylvanian formations underlying the S/2 of Section 10, Township 24 South, Range 28 Bast, to be dedicated to a well to be drilled at an unorthodox location 2080 feet from the South line and 1773 feet from the East line of said Section 10. 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 6910: 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 Gallup formation underlying four 40-acre proration units, being the SE/4 NE/4, the SE/4 NW/4, and the NW/4 NW/4 of Section 28, and the SW/4 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 6911: Application of Grace Petroleum Corporation for compulsory pooling, Rio Arriba County, New Mexico.

  Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Gallup formation underlying the NE/4 NW/4 of Section 11, Township 23 North, Range 7 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 soid 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 6912: Application of Southland Royalty Company for a dual completion, Eddy County, New Mexico.

  Applicant, in the above-styled cause, seeks approval for the dual completion of its State "14" Comm.

  Well No. 1 located in Unit E of Section 14, Township 19 South, Range 29 East, Turkey Track Field, to produce gas from the Morrow and Atoka formations thru tubing and the casing-tubing annulus, respectively
- CASE 6913: Application of Kerr-McGee Corporation for an unorthodox well location, Chaves County, New Mexico.

  Applicant, in the above-styled cause, seeks approval for the unorthodox location of its State F Well

  No. 14 to be drilled 1310 feet from the North line and 1330 feet from the West line of Section 2,

  Township 8 South, Range 33 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-standard
  gas proration unit comprising the S/2 of Section 29, Township 20 South, Range 36 East, North OsudoMorrow Gas Pool, to be dedicated to its State JD Well No. 1 at an unorthodox location 1650 feet from
  the South line and 1980 feet from the West line of said Section 29.
- CASE 6915: Application of Jake L. Hamon for a non-standard gas proration unit and an unorthodox well 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 8, Township 20 South, Range 36 East, North Osudo-Morrow Gas Pool, to be dedicated to a well to be drilled at an unorthodox location 660 feet 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.

  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.
- 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 F of Section 30, Township 17 South, Range 26 East.
- CASE 6918: Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico.

  Applicant, in the above-styled cause, seeks authority to commingle Upper Penn and Morrow gas production in the wellbore of its Kennedy "JQ" Com. Well No. 1 located in Unit H of Section 33, Township 17 South, Range 26 East, Kennedy Farms Field.
- CASE 6919: Application of Yates Petroleum Corporation for downhole commingling or consolidation of two pools, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Wolfcamp and Penn gas production in the wellbore of its Anderson State "CS" Com. Well No. 1-Y located in Unit G of Section 14, and its Fordinkus State "HZ" Com. Well No. 1 located in Unit G of Section 22, both in Township 18 South, Range 24 East, or, in the alternative, the consolidation of the Fordinkus-Cisco Gas Pool and the Penasco Draw Permo-Penn Gas Pool into one Permo-Penn gas pool to include the above-described wells.

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-Mississippian 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.

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 Wolfcamp-Pennsylvanian 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 fee 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 Worth 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.

CASE 6925: 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, Eddy, and Lea Counties, New Mexico:
  - (a) 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 Bobbi Well No. 1Y located in Unit J of Section 20, Township 18 South, Range 36 East, NMPM. Said pool would comprise:

### TOWNSHIP 18 SOUTH, RANGE 36 EAST, NMPM

(b) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production and designated as the Avalon-Delaware Pool. The discovery well is MWJ Producing Company State GW Well No. 1 located in Unit K of Section 36, Township 20 South, Range 27 East, NMPM. Said pool would comprise:

## 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 Durton-Delaware Pool. The discovery well is J. C. Williamson TOG Federal Well No. 1 located in Unit F of Section 16, Township 20 South, Range 29 East, NMPM. Said pool would comprise:

## TOWNSHIP 20 SOUTH, RANGE 29 EAST, NNPM 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 Gates Federal Deep Well No. 1 located in Unit P of Section 6, Township 17 South, Range 28 East, NMPM. Said pool would comprise:

## TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM 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 Corporation Mark Federal Well No. 1 located in Unit I of Section 30, Township 15 South, Range 30 East, NMPM. Said pool would comprise:

## TOWNSHIP 15 SOUTH, RANGE 30 EAST, NMPH Section 30: SE/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 Federal Well No. 1 located in Unit G of Section 14, Township 17 South, Range 27 East, NMPM. Said pool would comprise:

## TOWNSHIP 17 SOUTH, RANGE 27 EAST, HMPM Section 14: NE/4

(g) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the North Hume-Morrow Gas Pool. The discovery well is Bass Enterprises Production Company Bass 36 State Well No. 1 located in Unit E of Section 36, Township 15 South, Range 34 East, NMPM. Said pool would comprise:

## TOWNSHIP 15 SOUTH, RANGE 34 EAST, NMPM Section 36: W/2

(h) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Atoka production and designated as the Lusk-Atoka Gas Pool. The discovery well is Phillips Petroleum Company Lusk Deep Unit A Com Well No. 13 located in Unit K of Section 18, Township 19 South, Range 32 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM Section 18: S/2

(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: S/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, RANGE 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, NNPM Section 33: NW/4 and N/2 S/2

(n) EXTEND the Brunson-Fusselman Pool in Lea 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, NNPM Section 9: NM/4

(p) EXTEND the Burton Flat-Horrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 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:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, HMPM Section 34: S/2

TOWNSHIP 21 SOUTH, RANGE 25 EAST, NMPM 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

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Docket No. 16-80

(a) EXTEND the Cinta Roja-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 35 EAST, NHPM Section 4:

(t) EXTEND the South Corbin-Strawn Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPH 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, NMPM 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 Les 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:

TOWESHIP 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

(aa) EXTEND the Hobbs-Drinkard Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 38 EAST, MRPM Section 4: SE/4

(bb) EXTEND the Indian Flats-Delaware Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 28 EAST, NMPM Section 2: N/2 NE/4

(cc) EXTEND the South Remnitz Atoka-Horrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMFM 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, MMPM Section 19: N/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, NNPM Section 21: E/2 SW/4

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Docket No. 16-80

(ff) EXTEND the Penasco Draw San Andres-Yeso Associated Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 25 EAST, NMPM 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, NMPM 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, NMPM 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, NHPM 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, NMPM Section 9: E/2 NE/4

(kk) EXTEND the North Vacuum-Abo Pool in Lea 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, NMPM Section 3: All

(mm) EXTEND 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

DOCKET: EXAMINER HEARING - THURSDAY - JUNE 19, 1980

9 A.M. - GIL 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:

- 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 prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

LAW OFFICES

OIL CONTROL SOU

SANTA FE DIVISION

May 6, 1980

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

Case 6920

Dear Mr. Ramey:

A.J. LOSEE JOEL M. CARSON CHAD DICKERSON DAVID R. VANDIVER

Enclosed for filing, please find three copies of the Application of Yates Petroleum Corporation for an Unorthodox Location and Dual Completion, Chaves County, New Mexico.

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.

Chad Dickerson

CD:pym Enclosures

cc: Yates Petroleum Corporation



# DEFORE THE OIL CONSERVATION DIVISION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF YATES PETROLEUM CORPORATION FOR AN UNORTHODOX LOCATION AND DUAL COMPLETION, CHAVES COUNTY, NEW MEXICO

CASE NO. 6920

### **APPLICATION**

COMES NOW Yates Petroleum Corporation, by its attorneys, and in support hereof, respectfully states:

- 1. Applicant, as operator, has heretofore drilled its 5 Mile Draw Federal No. 1 Well, located 800 feet from the south line and 2,100 feet from the east line of Section 34, Township 6 South, Range 25 East, N.M.P.M., Chaves County, New Mexico. The well is not located within the boundaries of any established pool.
- 2. Applicant's well is presently completed in the Wildcat Penn through perforations between 4,908 feet and 4,916 feet, and applicant has dedicated S/2 Section 34 to its well.
- 3. Applicant desires to dually complete its well and produce the same in the Wildcat Penn and Wildcat Abo by producing the Abo through the casing-tubing annulus, through perforations from 3,564 to 3,840 feet, and to dedicate the SE/4 to such Abo production.
- 4. The above mentioned location should be approved for applicant's well in the Abo formation as set forth above.

  WHEREFORE, applicant prays:
- 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 applicant be permitted to dually complete its well as set forth above.
- C. That applicant's location be approved for completion of its well at an unorthodox location as aforesaid in the Abo formation, and that applicant be allowed to dedicate the SE/4 Section 34 to the well.
- D. And for such other and further relief as may be just in the premises.

YATES PETROLEUM CORPORATION

Chad Dickerson

LOSEE, CARSON & DICKERSON, P.A. P. O. Drawer 239
Artesia, New Mexico 88210

Attorneys for Applicant



## BEFORE THE OIL COMSERVATION DIVISION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF YATES PETROLEUM CORPORATION POR AM UNCETHODOX LOCATION AND DUAL COMPLETION, CEAVES COURTY, NEW MEXICO

CASE NO. 6920

### APPLICATION

COMES NOW Yates Petroleum Corporation, by its attorneys, and in support hereof, respectfully states:

- 1. Applicant, as operator, has heretofore drilled its 5 Nile Draw Federal No. 1 Well, located 800 feet from the south line and 2,100 feet from the east line of Section 34, Township 6 South, Range 25 East, N.M.P.M., Chaves County, New Mexico. The well is not located within the boundaries of any established pool.
- 2. Applicant's well is prescutly completed in the Wildcat Penn through perforations between 4,908 feet and 4,916 feet, and applicant has dedicated 8/2 Section 34 to its well.
- 3. Applicant desires to dually complete its well and produce the same in the Wildcat Penn and Wildcat Abo by producing the Abo through the casing-tubing annulus, through perforations from 3,564 to 3,840 feet, and to dedicate the SE/4 to such Abo production.
- 4. The above mentioned location should be approved for applicant's well in the Abo formation as set forth above.

WHEREFORE, applicant prayer

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 applicant be permitted to dually complete its well as set forth above.

C. That applicant's location be approved for completion of its well at an unorthodox location as aforesaid in the Abo formation, and that applicant be allowed to dedicate the SE/4 Section 34 to the well.

D. And for such other and further relief as may be just in the premises.

YATES PETROLEUM CORPORATION

Chad Dickerson

LOSEE, CARSON & DICKBRSON, P.A. P. O. Drawer 239 Artesia, New Mexico 88210

Attorneys for Applicant



### BEFORE THE OIL CONSERVATION DIVISION

OF THE STATE OF NEW BEXICO

IN THE MATTER OF THE APPLICATION OF YATES PETROLEUM CORPORATION FOR AN UNOPTHODOX LOCATION AND DUAL COMPLETION, CEAVED COUNTY, NEW MEXICO

CASE NO. (0920

### APPLICATION

COMES NOW Yates Petroleum Corporation, by its attorneys, and in support hereof, respectfully states:

- 1. Applicant, as operator, has heretofore drilled its 5 Mile Draw Federal No. 1 Well, located 800 feet from the south line and 2,100 feet from the east line of Section 34, Township 6 South, Range 25 East, N.M.P.M., Chaves County, New Mexico. The well is not located within the boundaries of any established pool.
- 2. Applicant's well is presently completed in the Wildcat Penn through perforations between 4,908 feet and 4,916 feet, and applicant has dedicated 5/2 Section 34 to its well.
- 3. Applicant desires to dually complete its well and produce the same in the Wildcat Penn and Wildcat Abo by producing the Abo through the casing-tubing annulus, through perforations from 3,564 to 3,840 feet, and to dedicate the SE/4 to such Abo production.
- 4. The above mentioned location should be approved for applicant's well in the Abo formation as set forth above.

  WHEREFORE, applicant prays:
- A. That this application he set for hearing before an examiner and that notice of said hearing be given as required by law.

- That applicant be permitted to dually complete its well as set forth above.
- C. That applicant's location be approved for completion of its well at an unorthodox location as aforesaid in the Abo formation, and that applicant be allowed to dedicate the SE/4 Section 34 to the well.
- D. And for such other and further relief as may be just in the premises.

YATES PETROLEUM CORPORATION

Chad Dickerson

LOSER, CARSON & DICKERSON, P.A. p. O. Draver 239 Artesia, New Mexico 88210

Attorneys for Applicant

dr/

### 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:

JOR

APPLICATION OF YATES PETROLEUM CORPORATION

CASE NO.	6920
Order No.	R- / 384

CHAVES

COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

COMPLETION AND UNORTHODOX WELL LOCATION,

### BY THE DIVISION:

FOR A DUAL

This cause came on for hearing at 9 o'clock a.m. on
June 4 , 19 80 , at Santa Fe, New Mexico, before
Examiner Daniel S. Nutter
NOW, on this day of June, 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 authority to complete its 5 Mile Draw Federal LX "
Well No. 1 , located in Unit O of Section 34 , Town-
ship 6 South , Range 25 East , NMPM, Chaves
County, New Mexico, as a dual completion (conventional) to (combination) (tubingless)-
produce xquexxfromxthex from the Pennsylvanian and Abo formation
through the tubing and casing-tubing annulus respectively
gas from the Pennsylvanian formation brough
12/ with tubing, with separation of the zone to be
(3) That the 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 said Section 34.

- That the mechanics of the proposed __dual __completion are feasible and in accord with good conservation practices.
- (4) That approval of the subject application will prevent waste and protect correlative rights.

### IT IS THEREFORE ORDERED:

(1) That the applicant, Yates Petroleum Corporation ,
is hereby authorized to complete its 5 Mile Draw Federal LX
Well No. 1 , located in Unit of Section 34 ,
Township 6 South, Range 25 East, NMPM, Chaves
County, New Mexico, as a dual completion(conventional) -{combination}{tubingless}-
to produce gas x from the Pennsylvanian and Abo formation
through the tubing and casing-tubing annulus
the Pourse warion formation through 2/8 - with the

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take

tests upon completion and annually thereafter during the Annual has are Shut-du Reconstruction for the San the state of the University of the Surface of the University of such further orders as the Division may deem necessary.

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

said well in the Abo formation 800 feet from the South line and 2100 feet from the East line of said Section 34, the SE/4 of the section to be dedicated to the well in the Abo.