CASE 5696: YATES PET. CORP. FOR A WATERFLOOD PROJECT, EDDY COUNTY,

CASE NO.

5696

APPlication, Transcripts, Small Exhibits,

ETC.



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 87501

LAND COMMISSIONER DIRECTOR PHIL R. LUCERO July 6, 1976 JOE D. RAMEY



STATE GEOLOGIST EMERY C. ARNOLD

5696 Re: CASE NO. ORDER NO. R-5231 Mr. A. J. Losee Losee & Carson Attorneys at Law Post Office Drawer 239 Applicant: Artesia, New Mexico 88210 Yates Petroleum Corporation Dear Sir: Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case. Yours very truly, JOE D. RAMEY Director JDR/fd Copy of order also sent to: Hobbs OCC_ Artesia OCC 💌 Aztec OCC____

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 5696 Order No. R-5231

APPLICATION OF YATES PETROLEUM CORPORATION FOR A WATERFLOOD PROJECT, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 23, 1976, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 6th day of July, 1976, the Commission, a quorum being present, having considered the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be granted.

IT IS THEREFORE ORDERED:

That Case No. 5696 is hereby dismissed.

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

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

PHIL R. LUCERO, Chairman

EMERY . ARNOLD, Member

JOE D. RAMEY, Member & Secretary

SEAL

LAW OFFICES

LOSEE & CARSON, P.A.

A.J. LOSEE 300 AMERICAN HOME BUILDING
JOEL M. CARSON P. O. DRAWER 239
CHAD DICKERSON ARTESIA, NEW MEXICO 88210

22 June 1976

AREA CODE 805 746-3508

JUN 2 3 1976

OIL CONSERVATION COMM. Santa Fe

Mr. Richard L. Stamets, Examiner New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

Re: Yates Petroleum Corporation

Applications Case Nos. 5695 and 5696

Dear Mr. Stamets:

This will confirm our telephone conversation of this date in which the Commission was asked to continue Case No. 5695 from the June 23 to the July 21, 1976, examiner hearing, and to dismiss Case No. 5696.

Very truly yours,

LOSEE & CARSON, P.A.

A. J. Zosee

AJL:jw

cc: Mr. Eddie Mahfood

Dockets Nos. 19-76 and 20-76 are tentatively set for hearing on July 7 and July 21, 1976. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINED BEARING - WEDNESDAY - JUNE 23, 1976

9 A.M. - OIL CONCREVATION COMMISSION CONFERENCE ROCM, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

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

CASE 5689: (Continued from June 9, 1976 Examiner Hearing)

Application of Dalport Oil Corporation for an unorthodox oil well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Jones Federal Well No. 4 to be drilled 990 feet from the South line and 1477 feet from the West line of Section 22, Township 15 South, Range 29 East, South Lucky Lake-Queen Pool, Chaves County, New Mexico.

CASE 4843: (Reopened) (Continued from June 9, 1976 Examiner Hearing)

In the matter of Case 4843 being reopened pursuant to the provisions of Order No. R-4435-A, which order extended the special pool rules for the Southeast Chaves Queen Gas Area, Chaves County, New Mexico; including a provision for 320-acre spacing and proration units for gas wells. All interested parties may appear and show cause why said Order No. R-4435 should not be rescinded.

CASE 5695: Application of Yates Petroleum Corporation for an unorthodox oil well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its J Lazy J Well No. 13, to be drilled as the 5th well on the 40-acre tract, in the center of Unit G, of Section 22, Township 17 South, Range 25 East, Eagle Creek-San Andres Pool, Eddy County, New Mexico.

Application of Yates Petroleum Corporation for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Eagle Creek-San Andres Pool by the injection of water into the San Andres formation through its J Lazy J Wells Nos. 3, 6, 9, and 11, all located in Unit G of Section 22, Township 17 South, Range 25 East, Eddy County, New Mexico.

CASE 5697: Application of Elk Oil Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Northeast Kemnitz Unit Area comprising 3520 acres, more or less, of State land in Township 16 South, Range 34 East, Lea County, New Mexico.

CASE 5693: Application of El Paso Natural Gas Company for downhole commingling, Ric Arriba County, New Mexico.

Applicant, in the above-styled cause, seeks authority to commingle South Blanco-Pictured Cliffs and Blanco Mesaverde gas production in the wellbore of its San Juan 29-7 Unit Well Mo. 82 located in Unit A of Section 4, Township 27 North, Range 7 West, Ric Arriba County, New Mexico.

CASE 5699: Application of Dalport Cil Corporation for an exception to the provisions of Order No. R-3221, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks, as an exception to the provisions of Commission Order No. R-3221, permission to dispose of, into earthen pits, produced salt water from its Jones-Federal Well No. 3 located in Unit K of Section 22, Township 15 South, Range 29 East, South Lucky Lake-Queen Pool, Chaves County, New Mexico.

CASE 5700: Application of Morris R. Antwell for compulsory pooling, 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 24, Township 20 South, Range 27 Hast, Eddy County, New Mexico, to be dedicated to a proposed gas well to be drilled at an orthodox location in the S/2 of said Section 24. Also to be considered will be the cost of drilling and completing said well and the allocation of the costs 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.

Application of Araho, Inc. for salt mater disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt mater into the San Andres, Abo and Paddock formations through the perforated interval from approximately 5525 feet to 8900 feet in its State SWD Well No. 2, located in Unit F of Section 2, Township 17 South, Range 36 East, Lovington Field, Lea County, New Mexico.

CASE 5702: Application of Cities Service Oil Company for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Tubb Gas Pool and Drinkard Oil Pool production in the wellbore of its Brunson "B" Well No. 7 located in Unit N of Section 3, Township 22 South, Range 37 East, Lea County, New Mexico.



YATES BUILDING - 207 SOUTH 4TH BT. ARTESIA, NEW MEXICO - 88210

May 14, 1976

Act for Hearing 2- cases

PRESIDENT

MARTIN YATES, III

VICE PRESIDENT

JOHN A. YATES

VICE PRESIDENT

B. W. HARPER

SEC. TREAS.

Mr. Joe Ramey, Secry-Director New Mexico Oil Conservation Commission P.O. Box 2088 Santa Fe, New Mexico 87501

> RE: Secondary Recovery Project Eagle Creek (San Andres) Eddy County, New Mexico

Dear Mr. Ramey:

with

Yates Petroleum Corporation desires to initiate in their Eagle Creek (San Andres) Pool a secondary recovery project having multiple phases of research and monitoring. Priority concern is density drilling to determine the enhancement of recovery by closer spacing (8-acre spacing), then the conversion of perimeter wells one at a time while monitoring the producer in the center location. The first input well would be set up for water injection at 400 psi wellhead pressure, and subsequent conversions would be for polymer flooding, miscellar flooding and miscible flooding, but not necessarily in this order.

In accord with OCC Rule 701B, attached hereto are lease ownership plat showing the location of all wells within a two-mile radius, logs and diagramatic sketches of the proposed injection wells. All wells are slaughter oil completions.

The proposed pilot area is Unit G of Section 22-173-252, The wells to be converted are the J Lazy J Nos. 3, 6, 9 and 11, and are existing oil wells. A fifth well needs to be

May 14, 1976
Page 2:
Secondary Recovery Project
Eagle Creek (San Andres)

drilled in the center of the 40-acres (located 1980' FEL and 1980' FNL of Section 22), designated as J Lazy J No. 13.

An exception to Rule 104(C)-1 is asked for this fifth well. Thank you.

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Yours very truly,

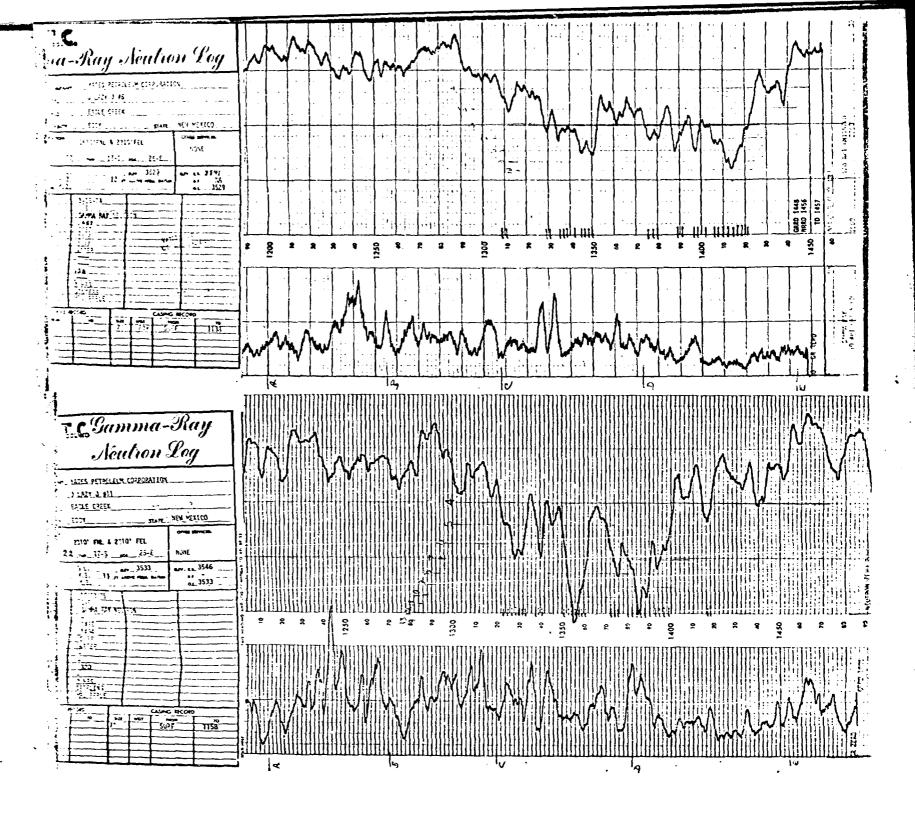
YATES PETROLEUM CORPORATION

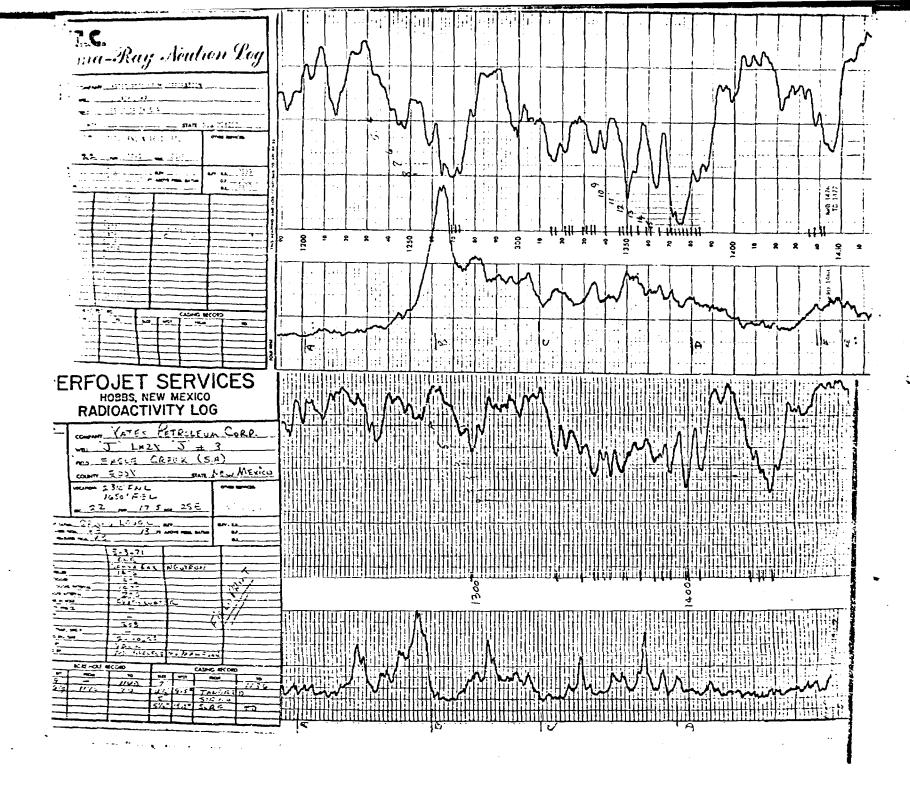
Eddie M. Mahfood

Engineer

EMM/pt

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Diagrammatic Sketch of Proposed Injection Well J Lazy J #11, 2310' FNL, 2310' FEL, Sec. 22-17S-25E, Eddy Co., NM

Elev: 3533' GR = 3546' KB

Spudded: 10-8-75 TD Reached: 10-12-75 Completed: 11-1-75

IPP: 44 BCPD

15" hole to 308' KB 10 3/4" 32# K-55 csg set at 306' KB cmtd w/250 sx Class C 4% CaCl

Top of San Andres @ 741' KB

Base of Artesian Zone @ 1041' KB

Top of Slaughter @ 1214'

Slaughter Pay
Dol w/vuggy & interxln porosity
@ 1270-1420'

9½" hole to 1160' KB
7" 20# J-55 csg set @ 1159' KB
cmtd w/350 sx Class C w/6% gilsonite,
0.6% Floseal, 2% CaCl + 150 sx
Class C 2% CaCl.
Proposed: 2 3/8" Duolined Tubing on

Tension Packer set @ about 1280' KB

w/inhibited fresh water in annulus.

Perfs: 32 0.45" jets @ 1323, 1325, 1327, 1328½, 1330, 1331, 1333, 1338, 1340, 1341, 1351, 1353, 1354½, 1356, 1357, 1359, 1361, 1372, 1374, 1376, 1380, 1382, 1384, 1386, 1388, 1390, 1393, 1395, 1397, 1399, 1417, 1419, SWF: 2000 g 15% RA, 60000# 20/40 sd in 80000 g treated water.

 $4\frac{1}{2}$ " 9.5# J-55 casing (565') and $5\frac{1}{2}$ " 14# J-55 casing (891') set at 1461' KB, cmtd w/150 sx Class C.

COTD: 1460' KB D.TD: 1500' KB

Diagrammatic Sketch of Proposed Injection Well J Lazy J No. 6, 1650' FNL, 2310' FEL, Sec. 22-175-25E, Eddy Co, NM

Elev: 3529' GR = 3542' KB

Spudded: 3-21-74
TD Reached: 3-25-74
Completed: 4-1-74
IPP: 39 BCPD

14 3/4" hole to 293' KB, 10 2/3" 32.75# J-55 casing set @ 293' KB, cmtd w/175 sx Class C 4% CaCl.

all csg. cmt'd to surface.

Top of San Andres @ 722' KB

Base of Artesian Zone @1040' KE

9 7/8" hole to 1140' KB,
7" 23-26# J-55 casing set @1137' KB,
cmtd w/300 sx Class C 2/6% gilsonite,
2% Floseal, 2% CaCl + 100 sx Class C
2% CaCl.

Proposed: 2 3/8" duolined tubing set on tension packer @ about 1277' KB w/ inhibited fresh water in annulus.

Top of Slaughter @ 1200' KB. Slaughter Pay

Perfs: 28 0.51" jets at 1309, 1311, 1329½, 1330½, 1335, 1337, 1339, 1342, 1344½, 1346, 1348, 1350, 1375½, 1378, 1380, 1389, 1391, 1396½, 1398, 1402, 1406, 1407½, 1410, 1412, 1414, 1416, 1418½, 1421.

SWF: 3000 g 15% RA, 65000# 20/40 sd in 80000 g treated water and 40 ball sealers.

 $5 \frac{4}{2}$ " 9.5# J-55 casing (407') and 5\frac{5}{2}" 15.5# J-55 casing (1037') set 3 1456' KB cmtd w/125 sx Class C.

COTD; 1444' KB D.TD: 1456' KB Diamrammatic Sketch of Proposed Injection Well J Lazy J No. 3, 2310' FNL, 1650' FEL, Sec. 22-17S-25E, Eddy Co, NM

Elev: 3562' GR = 3575' KB

Spudded: 4-23-71 TD Reached: 5-2-71 Completed: 5-9-71 IPP: 42 BOPD

Top of San Andres @ 719' KB

Base of Artesian Zone @ 1036'KB

Top of Slaughter 1218' KB

Slaughter Pay

Pol w/vugy & intxln porosity 1250-1445'

all csg. cml'd to surface

13 3/8" hole to 133' .B 10 3/4" 32.75# casing set @133' KB, cmtd w/50 sx Class C 4% CaCl and 1 yd ready mix.

9 7/8" hole to 1136' KB,
7" 23# N-80 casing set @ 1133' KB,
cmtd w/300 sx Class C, w/2% gel,
6% gilsonite, 0.5% Floseal, 2% CaCl +
100 sx Class C w/2% CaCl.
Proposed: 2 3/8" Duolined tubing set on
Tension pkr @ about 1277' w/inhibited
fresh water in annulus.

Perfs: 20 0.375" jets @ 1299½, 1339, 1350, 1355½, 1357, 1360½, 1363, 1369, 1371, 1377, 1384, 1387½, 1391½, 1393, 1400½, 1405½, 1428½, 1432½, 1434½, 1439. SWF: 3500 g 15% RA, 40000# 20/40 sd in 80000 g treated water.

COTD: 1470' KB D.TD: 1476' KB $4\frac{1}{2}$ " 9.5# J-55 casing (503') and $5\frac{1}{2}$ " 15.5# J-55 casing (955') set at 1471' KB, cmtd w/125 sx Class C cmt.

Diagrammatic Sketch of Proposed Injection Well J Lazy J No. 9, 1650' FNL, 1650' FEL, Sec. 22-17S-25e, Eddy Co, NM

Elev: 3530' GR = 3543' KB

Spudded: 8-7-74
TD Reached: 8-13-74
Completed: 8-24-74
IPP: 35 BOPD

14 3/4" hole to 295' KB, 10 3/4" 32# casing set @ 295' KB, cmtd w/175 sx Class C 4% CaCl,

all csq. cmt'd to surface

I WING MALVE W/ PRESSURE GUAGE

Top of San Andres @ 723'.

Base of Artesian Zone @ 1048'.

Top_of_Slaughter @_1201' KB. ...
Slaughter Pay

Dol w/vuggy and interxln porosity 1240-1444'

Cored 1315-1474'

9½" hole to 1150' KB,
7" 23# J-55 casing (1139') set @
1150' KB, cmtd w/250 sx Class C
w/6% gilsonite. 0.6% Floseal. 2%
CaCl and 200 sx Class C w/2% CaCl.
Proposed: 2 3/8" Duolined Tubing
set on packer at about 1275' KB,
w/inhibited fresh water in annulus.

Perfs: 35 0.43" jets @ 1269, 1271, 1273, 1315, 1317, 1321, 1323, 1324½, 1329, 1331, 1333½, 1335, 1340, 1346, 1348, 1350, 1352, 1355½, 1359½, 1361½, 1365, 1369, 1370½, 1372, 1373½, 1374½, 1376, 1378, 1380, 1382, 1384, 1435½, 1438, 1440½, 1442.

SWF: 4000 g 15% RA, 90000# 20/40 sd in 80000 g treated water.

4½" 10.5# J-55 (693') and 5½" 15.5# K-55 (778') set at 1477' KB cmtd w/125 sx Class C.

COTD: 1470' KB

D.TD: 1477 KB

dr/

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

CASE NO. 5696

Order No. R- 5231

APPLICATION OF YATES PETROLEUM CORPORATION FOR A WATERFLOOD PROJECT, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

	This cause	came on	for hearing at 9 a.	.m. on June 23	1976
at	Santa Fe, New	Mexico,	before Examiner	Richard L. Stamets	 •

NOW, on this <u>day of July</u>, 1976, the Commission, a quorum being present, having considered the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be granted.

IT IS THEREFORE ORDERED:

That Case No. 5696 is hereby dismissed.

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

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Page	1	

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico June 23, 1976

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corporation for a waterflood project, Eddy
County, New Mexico.

CASE
5696

BEFORE: Richard L. Stamets, Examiner

TRANSCRIPT OF HEARING

APPEARANCES

For the New Mexico Oil William F. Carr, Esq.
Conservation Commission: Legal Counsel for the Commission
State Land Office Puilding

State Land Office Building Santa Fe, New Mexico

sid morrish reporting service

General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

sid morrish reporting service

General Court Reporting Service
825 Calle Mejia, No. 122, Sante Fe, New Mexico 87501
Phone (505) 982-9312

MR. STAMETS: We will call next Case 5696.

MR. CARR: Case 5696, application of Yates Petroleum Corporation for a waterflood project, Eddy County, New Mexico.

Mr. Examiner, we have received a request from the applicant that this case be dismissed.

MR. STAMETS: Case 5696 will be dismissed.

Page	3	
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sid morrish reporting service General Court Reporting Service 825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501 Phone (505) 982-9212

REPORTER'S CERTIFICATE

I, SIDNEY F. MORRISH, a Certified Shorthand Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings to the best of my knowledge, skill and ability.

Sidney F. Morrish, C.S.R.

I do hereby certify that the foregoing fer a complete reserved of the proceedings in the Extracer hearing of Case No. 36 heard of the financial section of the complete sectio

New Mexico Oil Conservation Commission