

CASE 1633: Humble Oil & Rfg. Co. applica-  
tion to make a slim hole completion for its  
State G Well #19, 23-21S-36E.

Casa No.

1633

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Application, Transcript,  
Small Exhibits, Etc.

Case 1633

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION OF HUMBLE OIL &  
REFINING COMPANY FOR PERMISSION  
TO MAKE A "SLIM HOLE" COMPLETION  
WITH 2-7/8" O. D. CASING AND FOR  
AN EXCEPTION TO RULE 107(d) OF  
THE RULES OF THE NEW MEXICO OIL  
CONSERVATION COMMISSION

*April 11, 1959*

To New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Comes the undersigned, Humble Oil & Refining Company, and hereby makes application for an order permitting a "slim hole" completion with 2-7/8" O. D. Casing and an exception to Rule 107(d) of the New Mexico Oil Conservation Commission with respect to a well to be drilled by applicant designated as Humble's New Mexico State G Well No. 19 located 580' FSL and 1980' FEL of Section 23, Township 21 South, Range 36 East, N.M.P.M. in the Eumont Pool and in support thereof respectfully shows:

1. That there is attached hereto, made a part hereof and for purposes of identification marked Exhibit "A", a copy of the Notice of Intention to Drill on Form C-101, filed for approval, and that there is attached thereto a survey plat and also a well location and acreage designation plat.
2. That as will more particularly appear by the Notice of Intention to Drill attached hereto as Exhibit "A" applicant proposes to drill said well for completion in the Queen Sand at an approximate depth of 4100' and to run and cement approximately 300' of 7-5/8" surface casing and approximately 4100' of 2-7/8" casing, thus effecting a slim hole completion. The 4100' string of 2-7/8" casing would be cemented by circulating cement to at least 2700' from the surface.
3. "Slim hole" completions in the manner indicated above

*Docket Mailed  
4-3-59  
BP*

have been demonstrated in a number of areas to be successful and satisfactory and such completions can be made at considerably less cost than so called standard or conventional completions. It is believed that such completions are necessary due to economic conditions and that wells so completed can be operated successfully and that any given pool or reservoir can be as efficiently and effectively produced and drained by wells completed in such manner as by wells completed according to standard or conventional practices and that it is in the interest of conservation and the prevention of waste that an exception be made in the rules of the New Mexico Oil Conservation Commission to permit "slim hole" completions.

Respectfully submitted,

HUMBLE OIL & REFINING COMPANY

By 

HERVEY, DOW & HINKLE

By 

Roswell, New Mexico  
Attorneys for applicant

**OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO**

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well in the

Humble Oil & Refining Company

New Mexico State "G"

(Lease)

Well No. 25

located 590 feet from the North

East

Line of Section 25

T. 41.2

(GIVE LOCATION FROM SECTION LINE)

Block

Foot

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

If State Land the Oil and Gas Lease is No. 25

If patented land the owner is -

Address -

We propose to drill well with drilling equipment as follows: Rotary

The status of plugging bond is on file in Conservation Office

Drilling Contractor Unknown

We intend to complete this well in the Carbon Sand

formation at an approximate depth of 4100

See attached plat.

**CASING PROGRAM**

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Cement
11"	7-5/8"	24 $\frac{1}{2}$	New	200	100
6-3/4"	2-7/8"	6.50 $\frac{1}{2}$	New	4100	200

If changes in the above plans become advisable we will notify you immediately.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.)

\*Circulate to surface.

\*\*Circulate to at least 3700' from surface.

Minimum mud for samples.

Halliburton OMC method of cementing to be used.

Approved: \_\_\_\_\_, 19\_\_\_\_  
Except as follows:

Sincerely yours,

Humble Oil & Refining Company

[Signature]

James A. [Name]

Manager

**OIL CONSERVATION COMMISSION**

By \_\_\_\_\_

Continental  
D

State

Continental

Minnie Lockhart

Gulf

Henry C. Collins

Skelly

Henry C. Collins

Continental

Minnie Lockhart

Continental of al  
H

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23

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Gulf

Humble 37722  
G

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State

Gulf

H. T. Mattern

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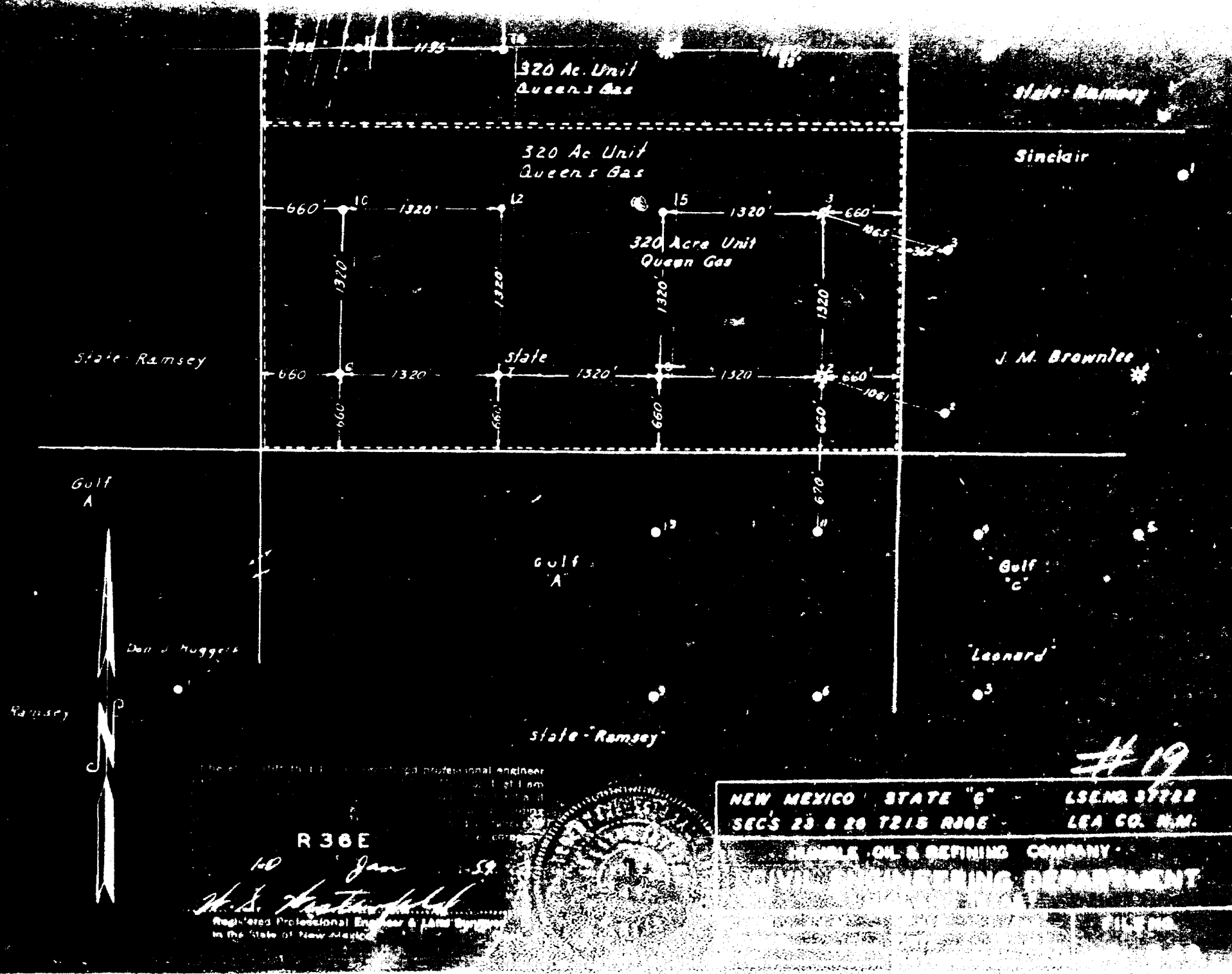
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25

Gulf  
A

Humble 37722  
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Gulf



## Land Excavation

HUMBLE OIL & REFG CO  
(Operator)

This is to certify that the well location shown on the plat in Section 8 was plotted from field notes of geological surveys made by me or under my supervision.



OIL CONSERVATION COMMISSION

P. O. BOX 871  
SANTA FE, NEW MEXICO

April 27, 1959

Mr. Clarence Hinkle  
Hervey, Dow & Hinkle  
P.O. Box 547  
Roswell, New Mexico

Dear Mr. Hinkle:

On behalf of your clients, Humble Oil & Refining Company and Southwestern, Inc. Oil Well Servicing, we enclose two copies of each of the following orders issued April 27, 1959, by the Oil Conservation Commission:

Order R-1375 in Case 1632  
Order R-1376 in Case 1633  
Order R-1379 in Case 1573.

These cases were consolidated and heard on April 15th at Hobbs.

Very truly yours,

A. L. Porter, Jr.  
Secretary - Director

bp  
Encls.

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. 1633  
Order No. R-1376

THE APPLICATION OF HUMBLE OIL &  
REFINING COMPANY FOR PERMISSION  
TO UTILIZE THE "SLIM HOLE" METHOD  
OF COMPLETION FOR A WELL IN THE  
EUMONT GAS POOL, LEA COUNTY, NEW  
MEXICO, USING 2-7/8 INCH O. D.  
TUBING AS A SUBSTITUTE FOR CASING  
IN EXCEPTION TO RULE 107 OF THE  
COMMISSION RULES AND REGULATIONS.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on April 15, 1959, at Hobbs, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 27<sup>th</sup> day of April, 1959, the Commission, a quorum being present, having considered the application and the evidence adduced and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Humble Oil & Refining Company, proposes to utilize the "slim hole" method of completion for its State "G" Well No. 19 to be drilled to an approximate total depth of 4100 feet and to be located 580 feet from the South line and 1980 feet from the East line of Section 23, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, using 2-7/8 inch O.D. tubing as a substitute for casing in exception to Rule 107 of the Commission Rules and Regulations.

(3) That the applicant anticipates that the proposed "slim hole" completion method for said State "G" Well No. 19 will result in a considerable economic saving.

(4) That it does not appear that utilizing the "slim hole" method of completion for said State "G" Well No. 19 will cause waste or impair correlative rights.

-2-  
Case No. 1633  
Order No. R-1376

(5) That the application should be granted.

IT IS THEREFORE ORDERED:

That Humble Oil & Refining Company be and the same is hereby authorized to utilize the "slim hole" method of completion for its State "G" Well No. 19, to be located 580 feet from the South line and 1980 feet from the East line of Section 23, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, using 2-7/8 inch O.D. tubing as a substitute for casing.

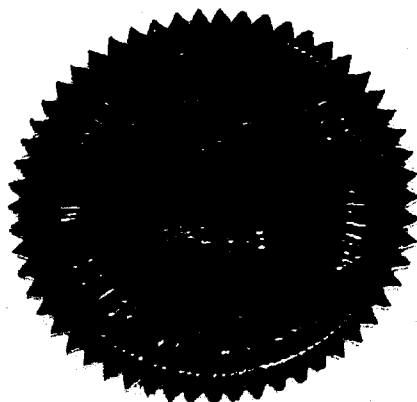
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*John Burroughes*  
JOHN BURROUGES, Chairman

*Murray E. Morgan*  
MURRAY E. MORGAN, Member

*A. L. Porter, Jr.*  
A. L. PORTER, Jr., Member & Secretary



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DOCKET: REGULAR HEARING APRIL 15, 1959

Oil Conservation Commission 9 a.m., Hobbs Auditorium, 1300 East Scharbauer

HOBBS, NEW MEXICO

- ALLOWABLE: (1) Consideration of the oil allowable for May, 1959.
- (2) Consideration of the allowable production of gas for May 1959 from six prorated pools in Lea County, New Mexico; also consideration of the allowable production of gas from seven prorated pools in San Juan and Rio Arriba Counties, New Mexico, for May 1959.

CONTINUED CASES

CASE 1573: Application of Southwestern, Inc. Oil Well Servicing for permission to make a "slim hole" completion. Applicant, in the above-styled cause, seeks an order authorizing it to utilize the "slim hole" method of completion for a well located in the SE/4 NW/4 Section 32, Township 16 South, Range 30 East, Square Lake Pool, Eddy County, New Mexico. Applicant proposes to utilize 2½ inch tubing as a substitute for casing in the above-described well in exception to Rule 107.

CASE 1600: In the matter of the application of M. A. Romero and Robert Critchfield concerning the operation of gas prorationing in the Blanco Mesaverde Gas Pool and the ratable taking of gas from said Blanco Mesaverde Gas Pool in Rio Arriba and San Juan Counties, New Mexico, as well as from the Choza Mesa-Pictured Cliffs Gas Pool in Rio Arriba County, New Mexico.

CASE 1526: Northwestern New Mexico nomenclature case calling for an order for the extension of an existing pool in San Juan County, New Mexico.

- (h) Extend the Angels Peak-Dakota Pool to include:

TOWNSHIP 26 NORTH, RANGE 10 WEST, NMPM  
Section 2: NW/4

TOWNSHIP 27 NORTH, RANGE 10 WEST, NMPM  
Section 35: SW/4

TOWNSHIP 28 NORTH, RANGE 10 WEST, NMPM  
Section 27: W/2  
Section 28: E/2

CASE 1618: Southeastern New Mexico nomenclature case calling for an order creating a new pool in Lea County, New Mexico:

- (e) Create a new oil pool for Devonian production, designated as the Crosby-Devonian Oil Pool, and described as:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM  
Section 21: SW/4

NEW CASES

- CASE 1631: In the matter of the hearing called by the Oil Conservation Commission on its own motion to consider changing the date of the Regular Commission Hearing in June 1959 from the 17th to the 9th.
- CASE 1632: Application of Humble Oil & Refining Company for permission to make a "slim hole" completion. Applicant, in the above-styled cause, seeks an order authorizing it to utilize the "slim hole" method of completion for its State "M" Well No. 14 to be located 1980 feet from the North line and 660 feet from the East line of Section 31, Township 22 South, Range 37 East, Eumont Gas Pool, Lea County, New Mexico. Applicant proposes to utilize 2-7/8 inch tubing as a substitute for casing in the above-described well in exception to Rule 107.
- CASE 1633: Application of Humble Oil & Refining Company for permission to make a "slim hole" completion. Applicant, in the above-styled cause, seeks an order authorizing it to utilize the "slim hole" method of completion for its State "G" Well No. 19, to be located 580 feet from the South line and 1980 feet from the East line of Section 23, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico. Applicant proposes to utilize 2-7/8 inch tubing as a substitute for casing in the above-described well in exception to Rule 107.
- CASE 1634: Application of The Pure Oil Company for an order promulgating temporary special rules and regulations for the South Vacuum-Devonian Pool in Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order promulgating temporary special rules and regulations for the South Vacuum-Devonian Pool in Lea County, New Mexico, to provide for 80-acre proration units and well location requirements. Applicant further seeks permission to shut-in its South Vacuum Unit Well No. 3-35 located in the NE/4 NW/4 of Section 35, Township 18 South, Range 35 East, Lea County, New Mexico, and transfer the allowable to its South Vacuum Unit Well No. 1-35 located in the SW/4 NE/4 of said Section 35.
- CASE 1635: Application of Mapenza Oil Company for an exception to the requirements of Order No. R-1224-A. Applicant, in the above-styled cause, seeks an order authorizing an exception to the salt water disposal requirements of Order No. R-1224-A for its State No. 1-A Well, located in the SE/4 SE/4 of Section 14, Township 18 South, Range 37 East, Hobbs Pool, Lea County, New Mexico.
- CASE 1636: Application of The Atlantic Refining Company for an amendment of Rule 115 of the Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order amending Rule 115 of the Commission Rules and Regulations insofar as said rule is related to required pressure rating of wellhead equipment.

CASE 1637: Application of The Atlantic Refining Company for an order combining the Allison-Pennsylvanian and the North Allison-Pennsylvanian Pools in Lea and Roosevelt Counties, New Mexico, and for the promulgation of special rules and regulations therefor. Applicant, in the above-styled cause, seeks an order combining the Allison-Pennsylvanian and the North Allison-Pennsylvanian Pools in Lea and Roosevelt Counties, New Mexico, and providing for the establishment of 80-acre proration units in said combined pool.

CASE 1638: In the matter of the hearing called by the Oil Conservation Commission on its own motion to consider the establishment of a procedure whereby amendments to unit agreements may be approved administratively.

CASE 1522: Application of General Petroleum, Inc., for an amendment to Order No. R-1299. Applicant, in the above-styled cause, seeks an order amending Order No. R-1299 to provide that any merchantable oil recovered from sediment oil shall not be charged against the allowable for wells on the originating lease, which amendment would revise Rule 311.

CASE 1639: Southeastern New Mexico nomenclature case calling for an order creating new pools and extending existing pools in Lea and Eddy Counties, New Mexico:

(a) Create a new oil pool for Tansil production, designated as the Custer-Tansill Oil Pool, and described as:

TOWNSHIP 25 SOUTH, RANGE 36 EAST, NMPM  
Section 7: NW/4

(b) Create a new oil pool for Pennsylvanian production, designated as the East Hightower-Pennsylvanian Oil Pool, and described as:

TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM  
Section 30: NE/4

(c) Create a new oil pool for Delaware production, designated as the Querecho Plains-Delaware Oil Pool, and described as:

TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM  
Section 25: NW/4

(d) Create a new oil pool for Abo production, designated as the West Warren-Abo Oil Pool, and described as:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM  
Section 17: SW/4

(e) Create a new oil pool for Connell production, designated as the Warren-Connell Oil Pool, and described as:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM  
Section 17: SW/4

- (f) Extend the Atoka Pool to include:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM  
Section 13: E/2 NE/4

- (g) Extend the Bishop Canyon-San Andres Pool to include:

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM  
Section 10: N/2  
Section 11: NW/4

- (h) Extend the Crosby-Devonian Gas Pool to include:

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM  
Section 4: NE/4

- (i) Extend the Culwin Pool to include:

TOWNSHIP 19 SOUTH, RANGE 30 EAST, NMPM  
Section 1: NE/4

- (j) Extend the Drinkard Pool to include:

TOWNSHIP 22 SOUTH, RANGE 38 EAST, NMPM  
Section 17: SW/4

- (k) Extend the Eumont Gas Pool to include:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM  
Section 23: N/2  
Section 24: SE/4 & N/2

- (l) Extend the Justis Gas Pool to include:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM  
Section 13: SE/4

- (m) Extend the Langlie-Mattix Pool to include:

TOWNSHIP 23 SOUTH, RANGE 36 EAST, NMPM  
Section 4: NE/4

- (n) Extend the Wilson Pool to include:

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM  
Section 19: E/2  
Section 20: SW/4

CASE 1640: Northwestern New Mexico nomenclature case calling for an order changing the designation of a pool and extending existing pools in San Juan and Rio Arriba Counties, New Mexico:

- (a) Change the designation of the Otero-Graneros Dakota Pool in Rio Arriba County, New Mexico, to the Otero-Dakota pool.

- (b) Extend the Tapacito-Pictured Cliffs Pool to include:

TOWNSHIP 27 NORTH, RANGE 4 WEST, NMPM  
Section 29: E/2

- (c) Extend the Blanco-Mesaverde Pool to include:

TOWNSHIP 31 NORTH, RANGE 13 WEST, NMPM  
Section 25: S/2

- (d) Extend the Angels Peak-Gallup Oil Pool to include:

TOWNSHIP 26 NORTH, RANGE 9 WEST, NMPM  
Section 6: SW/4  
Section 7: NW/4

TOWNSHIP 26 NORTH, RANGE 10 WEST, NMPM  
Section 1: All  
Section 2: NE/4

TOWNSHIP 27 NORTH, RANGE 10 WEST, NMPM  
Section 28: SW/4  
Section 29: S/2  
Section 32: All  
Section 33: W/2

- (e) Extend the Bisti-Lower Gallup Oil Pool to include:

TOWNSHIP 24 NORTH, RANGE 10 WEST, NMPM  
Section 2: SW/4

TOWNSHIP 25 NORTH, RANGE 10 WEST, NMPM  
Section 19: S/2 S/2

- (f) Extend the Horseshoe-Gallup Oil Pool to include:

TOWNSHIP 30 NORTH, RANGE 16 WEST, NMPM  
Section 2: W/2 SW/4

TOWNSHIP 31 NORTH, RANGE 16 WEST, NMPM  
Section 19: SW/4 & S/2 SE/4  
Section 29: NW/4

- (g) Extend the Verde-Gallup Oil Pool to include:

TOWNSHIP 31 NORTH, RANGE 14 WEST, NMPM  
Section 16: SW/4 NW/4  
Section 17: E/2  
Section 20: E/2

- (h) Extend the Angels Peak-Dakota Pool to include:

TOWNSHIP 26 NORTH, RANGE 10 WEST, NMPM  
Section 3: N/2

TOWNSHIP 27 NORTH, RANGE 10 WEST, NMPM  
Section 6: E/2      Section 9: W/2

TOWNSHIP 28 NORTH, RANGE 10 WEST, NMPM  
Section 22: W/2