

Case No.

1810

Application, Transcript,
Small Exhibits, Etc.

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
November 18, 1959
REGULAR HEARING

IN THE MATTER OF:

Northwestern New Mexico nomenclature case
calling for an order creating and extending
existing pools in Rio Arriba and San Juan
Counties, New Mexico:

) Case 1810

(a) Create a new gas pool for Pictured
Cliffs production, designated as the Pine
Lake-Pictured Cliffs Pool and described as:

TOWNSHIP 26 NORTH, RANGE 2 WEST, NMPM

Section 7: S/2 (partial)
Section 8: SW/4
Section 18: All (partial)
Section 19: All (partial)
Section 20: W/2

TOWNSHIP 26 NORTH, RANGE 3 WEST, NMPM

Section 1: All
Section 2: All
Section 3: E/2
Section 10: E/2
Section 11: All
Section 12: All
Section 13: All
Section 14: E/2
Section 23: NE/4
Section 24: All

TOWNSHIP 27 NORTH, RANGE 3 WEST, NMPM

Section 11: All (partial)
Section 14: All
Section 15: All
Section 16: All
Section 17: All
Section 18: All
Section 22: All
Section 23: All
Section 24: S/2
Section 25: All
Section 26: All

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PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



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Section 27: All
 Section 34: E/2
 Section 35: All
 Section 36: W/2

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

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM

Section 1: W/2
 Section 2: All
 Section 3: All
 Section 4: NE/4

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM

Section 27: SE/4
 Section 33: E/2
 Section 34: All
 Section 35: All
 Section 36: S/2

(c) Extend the Gavilan-Pictured Cliffs Pool to include therein:

TOWNSHIP 25 NORTH, RANGE 2 WEST, NMPM

Section 9: NE/4

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

TOWNSHIP 27 NORTH, RANGE 5 WEST, NMPM

Section 29: NE/4

(e) Extend the Blanco-Mesaverde Pool to include therein:

TOWNSHIP 27 NORTH, RANGE 9 WEST, NMPM

Section 1: E/2
 Section 12: E/2

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

TOWNSHIP 25 NORTH, RANGE 11 WEST, NMPM

Section 15: S/2 NE/4
 Section 16: S/2 NE/4



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(g) Extend the Horco Line-Gallup Oil Pool to include therein:

TOWNSHIP 31 NORTH, RANGE 16 WEST, NMPM

Section 34: SW/4 NE/4 &
NW/4 SE/4

TOWNSHIP 31 NORTH, Range 17 WEST, NMPM

Section 13: NW/4 SW/4

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

TOWNSHIP 31 NORTH, RANGE 14 WEST, NMPM

Section 21: SE/4 NW/4 &
SW/4 NE/4

(i) Extend the South Blanco-Dakota Pool to include therein:

TOWNSHIP 26 NORTH, RANGE 5 WEST, NMPM

Section 5: All
Section 6: All
Section 7: All
Section 8: W/2

TOWNSHIP 26 NORTH, RANGE 6 WEST, NMPM

Section 1: All
Section 2: All
Section 3: All
Section 4: E/2 & NW/4
Section 7: All
Section 8: W/2 & SE/4
Section 9: NE/4
Section 10: N/2 & SE/4
Section 11: All
Section 12: All
Section 14: N/2

TOWNSHIP 26 NORTH, RANGE 7 WEST, NMPM

Section 1: SE/4
Section 12: E/2
Section 13: N/2

TOWNSHIP 27 NORTH, RANGE 6 WEST, NMPM

Section 32: E/2
Section 33: All
Section 34: All



BEFORE:

Mr. A. L. Porter, Jr.
 Mr. Murray Morgan
 Governor John Burroughs

TRANSCRIPT OF HEARING

MR. PORTER: We will take up next the nomenclature case for Northwest New Mexico.

MR. PAYNE: Case 1810: Northwestern New Mexico nomenclature case calling for an order creating and extending existing pools in Rio Arriba and San Juan Counties, New Mexico.

A. R. KENDRICK

called as a witness, having been first duly sworn on oath, testified as follows:

DIRECT EXAMINATION

BY MR. PAYNE:

Q Will the witness please state his name and position?

A A. R. Kendrick.

Q Have you made a study concerning the necessity or desirability of creating and extending pools in Rio Arriba and San Juan Counties, New Mexico?

A I have.

Q What are your recommendations for the creation of a new gas pool for Pictured Cliffs production?

A I recommend that the new pool be created known as the Pine Lake-Pictured Cliffs Pool, based on thirty-three wells now producing in that area. Discovery well was drilled by Magnolia

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Petroleum Company as the No. 1 Jicarilla "F" in Unit B of Unit 2, 27. North, 3 West, an absolute open flow of 845 MCF per day, completed June 11, 1956.

Q What do you recommend as the vertical limits?

A The Pictured Cliffs formation.

Q What do you recommend as the horizontal limits?

A As shown in paragraph (a) of Exhibit 1.

Q What are your recommendations concerning the Blanco-Pictured Cliffs Pool?

A That the Blanco-Pictured Cliffs Pool be extended as shown in paragraph (b) of Exhibit 1, on the basis of six wells producing from the Pictured Cliffs formation.

Q What are your recommendations concerning the extension of the Gavilan-Pictured Cliffs Pool?

A That the pool be extended as shown in paragraph (c) of Exhibit 1, on the basis of one well completed in that pool.

Q What are your recommendations concerning the extension of the Tapacito-Pictured Cliffs Pool?

A That the pool be extended as shown in paragraph (d) in Exhibit 1, on the basis of one well completed in that pool.

Q What are your recommendations concerning the extension of the Blanco-Mesaverde Pool?

A That the pool be extended as shown in paragraph (e) of Exhibit 1, on the basis of two wells completed in that pool.

Q What are your recommendations concerning the extension

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of the Bisti-Lower Gallup Oil Pool?

A That the pool be extended as shown in paragraph (f) of Exhibit 1 on the basis of one well producing from that pool.

Q What are your recommendations concerning the extension of the Horseshoe-Gallup Oil Pool?

A That the pool be extended as shown in paragraph (g) of Exhibit 1 on the basis of three wells producing from that pool.

Q What are your recommendations concerning the extension of the Verde-Gallup Oil Pool?

A That the pool be extended as shown in paragraph (h) of Exhibit 1, on the basis of one well producing from that pool.

Q What are your recommendations concerning the extension of the South Blanco-Dakota Pool?

A That the pool be extended as shown in paragraph (i) of Exhibit 1 on the basis of seven wells producing from that pool.

Q Have you prepared an exhibit substantiating your recommendations?

A I have.

Q How is that designated?

A New Mexico Oil Conservation Commission Exhibit No. 1, Case 1810.

MR. PAYNE: We move the introduction of Exhibit 1 in 1810.

MR. PORTER: Without objection the exhibit will be admitted. Any questions?



CROSS EXAMINATION

BY MR. UTZ:

Q Is the new Pine Lake-Pictured Cliffs Pool recommended close to any other Pictured Cliffs Pool in the Northwest New Mexico at the present time?

A Did you say is it close to any other pool?

Q Yes.

A It is more or less centrally located between three other pools.

Q Which three pools?

A Gavilan-Pictured Cliffs, Chosama, and Tapacito.

Q It wouldn't be a part of Tapacito then, you don't think?

A I don't think so.

MR. PORTER: Mr. Kendrick, how many wells is this recommendation based on?

A Thirty-three.

MR. PORTER: Thirty-three wells?

A Yes, sir.

MR. PORTER: They're located kind of equi-distant from three other Pictured Cliffs Pools?

A Well, they are a minimum of two miles from the other pools, or something in that order.

MR. PORTER: I see. They would be at least two miles from either of them, then?

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A Yes, sir.

MR. PORTER: You feel it would be wise to go ahead and create the pool and later, if subsequent development should indicate we should do so, that it be included as part of one of the other pools?

A Yes, sir, that it could be joined with one or more of the other pools.

MR. PORTER: Excuse me, Mr. Utz, were you through?

MR. UTZ: Yes.

MR. PORTER: Does anyone else have a question? We'll take the case under advisement. The hearing is adjourned.



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PHONE ON 1-451

ALBUQUERQUE, NEW MEXICO

CITY OF ALBUQUERQUE }
COUNTY OF BERNALILLO }

I, ADA DEARNLEY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing was reported by me in Stenotype, and that the same was reduced to typewritten transcript under my personal supervision and contains a true and correct record of said proceedings, to the best of my knowledge, skill and ability.

DATED this 4th day of December, 1959, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Ada Dearnley
NOTARY PUBLIC

My Commission Expires:
June 19, 1963.



NOMENCLATURES:

Furnished by Mr. Kendricks, Aztec Office

RIO ARRIBA COUNTY - Pictured Cliffs Productions

New: Pine Lake Pictured-Cliffs Pool ✓

Extensions: Gavilana Pictured-Cliffs Pool ✓

Tap^ocito Pictured-Cliffs Pool

South Blanco Pictured-Cliffs Pool

SAN JUAN COUNTY - Blanco Pictured-Cliffs Pool

Vista-Lower Gallup Oil Pool

Horseshoe-Gallup Oil Pool

Verde-Gallup Oil Pool

RIO ARRIBA & SAN JUAN COUNTIES -

Blanco Mesa Verde Pool

(k) Extend the Robinson Pool to include therein:

TOWNSHIP 16 SOUTH, RANGE 32 EAST, NMPM
Section 30: SE/4
Section 31: SW/4

CASE 1810:

Northwestern New Mexico nomenclature case calling for an order creating and extending existing pools in Rio Arriba and San Juan Counties, New Mexico:

(a) Create a new gas pool for Pictured Cliffs production, designated as the Pine Lake-Pictured Cliffs Pool and described as:

TOWNSHIP 26 NORTH, RANGE 2 WEST, NMPM
Section 7: S/2 (partial)
Section 8: SW/4
Section 18: All (partial)
Section 19: All (partial)
Section 20: W/2

TOWNSHIP 26 NORTH, RANGE 3 WEST, NMPM
Section 1: All
Section 2: All
Section 3: E/2
Section 10: E/2
Section 11: All
Section 12: All
Section 13: All
Section 14: E/2
Section 23: NE/4
Section 24: All

TOWNSHIP 27 NORTH, RANGE 3 WEST, NMPM
Section 11: All (partial)
Section 14: All
Section 15: All
Section 16: All
Section 17: All
Section 18: All
Section 22: All
Section 23: All
Section 24: S/2
Section 25: All
Section 26: All
Section 27: All
Section 34: E/2
Section 35: All
Section 36: W/2

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

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM

Section 1: W/2
Section 2: All
Section 3: All
Section 4: NE/4

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM

Section 27: SE/4
Section 33: E/2
Section 34: All
Section 35: All
Section 36: S/2

(c) Extend the Gavilan-Pictured Cliffs Pool to include therein:

TOWNSHIP 25 NORTH, RANGE 2 WEST, NMPM

Section 9: NE/4

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

TOWNSHIP 27 NORTH, RANGE 5 WEST, NMPM

Section 29: NE/4

(e) Extend the Blanco-Mesaverde Pool to include therein:

TOWNSHIP 27 NORTH, RANGE 9 WEST, NMPM

Section 1: E/2
Section 12: E/2

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

TOWNSHIP 25 NORTH, RANGE 11 WEST, NMPM

Section 15: S/2 NW/4
Section 16: S/2 NE/4

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

TOWNSHIP 31 NORTH, RANGE 16 WEST, NMPM

Section 34: SW/4 NE/4 & NW/4 SE/4

TOWNSHIP 31 NORTH, RANGE 17 WEST, NMPM

Section 13: NW/4 SW/4

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

TOWNSHIP 31 NORTH, RANGE 14 WEST, NMPM
Section 21: SE/4 NW/4 & SW/4 NE/4

(i) Extend the South Blanco-Dakota Pool to include therein:

TOWNSHIP 26 NORTH, RANGE 5 WEST, NMPM

Section 5: All
Section 6: All
Section 7: All
Section 8: W/2

TOWNSHIP 26 NORTH, RANGE 6 WEST, NMPM

Section 1: All
Section 2: All
Section 3: All
Section 4: E/2 & NW/4
Section 7: All
Section 8: W/2 & SE/4
Section 9: NE/4
Section 10: N/2 & SE/4
Section 11: All
Section 12: All
Section 14: N/2

TOWNSHIP 26 NORTH, RANGE 7 WEST, NMPM

Section 1: SE/4
Section 12: E/2
Section 13: N/2

TOWNSHIP 27 NORTH, RANGE 6 WEST, NMPM

Section 32: E/2
Section 33: All
Section 34: All

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE No. 1810
Order No. R-1531

THE APPLICATION OF THE OIL
CONSERVATION COMMISSION UPON
ITS OWN MOTION FOR AN ORDER
CREATING AND EXTENDING CERTAIN
POOLS IN RIO ARriba AND SAN
JUAN COUNTIES, NEW MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on November 18, 1959, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 23rd day of November, 1959, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, 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 there is need for the creation of a new pool in Rio Arriba County, New Mexico, for the production of gas from the Pictured Cliffs formation, said pool to bear the designation Pine Lake-Pictured Cliffs Pool. Said Pine Lake-Pictured Cliffs Pool was discovered by Socony Mobil Oil Co. Inc., Jicarilla "F" Well No. 1, located in the NW/4 NE/4, Section 22, Township 27 North, Range 3 West, N.M.P.M. It was completed June 11, 1956. The top of the perforations is at 3880 feet.

(3) That there is need for certain extensions to the Gavilan-Pictured Cliffs Pool, the Tapacito-Pictured Cliffs Pool, and the South Blanco-Dakota Pool, all in Rio Arriba County, New Mexico, to the Blanco-Pictured Cliffs Pool, the Bisti-Lower Gallup Oil Pool, the Horseshoe-Gallup Oil Pool, and the Verde-Gallup Oil Pool, all in San Juan County, New Mexico, and to the Blanco-Mesaverde Pool, in Rio Arriba and San Juan Counties, New Mexico.

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Case No. 1810

Order No. R-1531

IT IS THEREFORE ORDERED:

(a) That a new pool in Rio Arriba County, New Mexico, classified as a gas pool for Pictured Cliffs production, be and the same is hereby created and designated as the Pine Lake-Pictured Cliffs Pool, consisting of the following-described area:

TOWNSHIP 26 NORTH, RANGE 2 WEST, N4PM

Section 7: S/2 (partial)
Section 8: SW/4
Section 18: All (partial)
Section 19: All (partial)
Section 20: W/2

TOWNSHIP 26 NORTH, RANGE 3 WEST, N4PM

Section 1: All
Section 2: All
Section 3: E/2
Section 10: E/2
Section 11: All
Section 12: All
Section 13: All
Section 14: E/2
Section 23: NE/4
Section 24: All

TOWNSHIP 27 NORTH, RANGE 3 WEST, N4PM

Section 11: All (partial)
Section 14: All
Section 15: All
Section 16: All
Section 17: All
Section 18: All
Section 22: All
Section 23: All
Section 24: S/2
Section 25: All
Section 26: All
Section 27: All
Section 34: E/2
Section 35: All
Section 36: W/2

(b) That the Blanco-Pictured Cliffs Pool in San Juan County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

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Case No. 1810
Order No. R-1531

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM

Section 1: W/2
Section 2: All
Section 3: All
Section 4: NE/4

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM

Section 27: SE/4
Section 33: E/2
Section 34: All
Section 35: All
Section 36: S/2

(c) That the Gavilan-Pictured Cliffs Pool in Rio Arriba County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 25 NORTH, RANGE 2 WEST, NMPM

Section 9: NE/4

(d) That the Tapacito-Pictured Cliffs Pool in Rio Arriba County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 27 NORTH, RANGE 5 WEST, NMPM

Section 29: NE/4

(e) That the Blanco-Mesaverde Pool in Rio Arriba and San Juan Counties, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 27 NORTH, RANGE 9 WEST, NMPM

Section 1: E/2
Section 12: E/2

(f) That the Bisti-Lower Gallup Oil Pool in San Juan County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 25 NORTH, RANGE 11 WEST, NMPM

Section 15: S/2 NW/4
Section 16: S/2 NE/4

(g) That the Horseshoe-Gallup Oil Pool in San Juan County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 31 NORTH, RANGE 16 WEST, NMPM

Section 34: SW/4 NE/4 and NW/4 SE/4

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Order No. R-1531

TOWNSHIP 31 NORTH, RANGE 17 WEST, NMPM
Section 15: NW/4 SW/4

(h) That the Verde-Gallup Oil Pool in San Juan County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 31 NORTH, RANGE 14 WEST, NMPM
Section 21: SE/4 NW/4 and SW/4 NE/4

(i) That the South Blanco-Dakota Pool in Rio Arriba County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 26 NORTH, RANGE 5 WEST, NMPM
Section 5: All
Section 6: All
Section 7: All
Section 8: W/2

TOWNSHIP 26 NORTH, RANGE 6 WEST, NMPM
Section 1: All
Section 2: All
Section 3: All
Section 4: E/2 and NW/4
Section 7: All
Section 8: W/2 and SE/4
Section 9: NE/4
Section 10: N/2 and SE/4
Section 11: All
Section 12: All
Section 14: N/2

TOWNSHIP 26 NORTH, RANGE 7 WEST, NMPM
Section 1: SE/4
Section 12: E/2
Section 13: N/2

TOWNSHIP 27 NORTH, RANGE 6 WEST, NMPM
Section 32: E/2
Section 33: All
Section 34: All

IT IS FURTHER ORDERED:

That the effective date of this order and all creations and all extensions included herein shall be December 1, 1959.

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Order No. R-1531

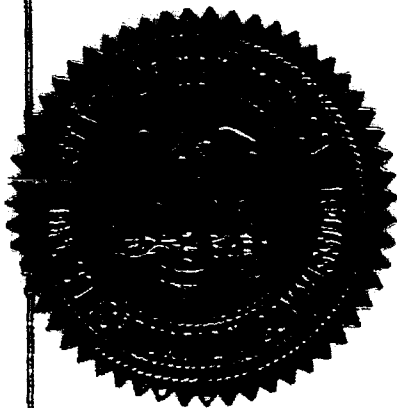
DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

John Burroughs
JOHN BURROUGHS, Chairman

Murray E. Morgan
MURRAY E. MORGAN, Member

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



vcm/

Recommendations for the nomenclature case for Northwest New Mexico
for the November hearing, 1959:

- (a) Create a new pool in Rio Arriba County, New Mexico, classified
as a gas pool for Pictured Cliffs production, designated as the
Pine Lake-Pictured Cliffs Pool and described as:

TOWNSHIP 26 NORTH, RANGE 2 WEST, NMPM,

Section 7: S/2 (partial)
Section 8: SW/4
Section 18: All (partial)
Section 19: All (partial)
Section 20: W/2

TOWNSHIP 26 NORTH, RANGE 3 WEST, NMPM,

Section 1: All
Section 2: All
Section 3: E/2
Section 10: E/2
Section 11: All
Section 12: All
Section 13: All
Section 14: E/2
Section 23: NE/4
Section 24: All

TOWNSHIP 27 NORTH, RANGE 3 WEST, NMPM,

Section 11: All (partial)
Section 14: All
Section 15: All
Section 16: All
Section 17: All
Section 18: All
Section 22: All
Section 23: All
Section 24: S/2
Section 25: All
Section 26: All
Section 27: All
Section 34: E/2
Section 35: All
Section 36: W/2

based on:

S. M. O. C. # 1 Cheney-Federal
M-8-26N-2W
TSTM

S. M. O. C. # 1 Featherstone-Federal
A-19-26N-2W
AOF 1739 MCFPD; SICP 917#

Humble O & R # 1 N. Lindrith GU
M-20-26N-2W
AOF 1044 MCFPD; SICP 1028 #

S. M. O. C. # 7 Jicarilla "H"
M-1-26N-3W
AOF 1742 MCFPD; SICP 954 #

S. M. O. C. # 2 Jicarilla "H"
A-2-26N-3W
AOF 2402 MCFPD; SICP 1068#7 days

S. M. O. C. # 6 Jicarilla "H"
M-2-26N-3W
AOF 1598 MCFPD; SICP 1064#

N. P. C. # 1-3 Johnston-Shear
H-3-26N-3W
AOF 745 MCFPD; SICP 1024#/7 days

N. P. C. # 14-10 E
A-10-26N-3W
AOF 572 MCFPD; SICP 995#/7 days

S. M. O. C. # 1 Jicarilla "H"
H-11-26N-3W
AOF 9340 MCFPD; SICP 1030#/7 days

S. M. O. C. # 5 Jicarilla "H"
M-11-26N-3W
AOF 2589 MCFPD; SICP 1002#/7 days

S. M. O. C. # 3 Jicarilla "H"
A-12-26N-3W
AOF 267 MCFPD; SICP 1148#

S. M. O. C. # 8 Jicarilla "H"
M-12-26N-3W
AOF 2326 MCFPD; SICP 936#/7 days

S. M. O. C. # 7 Jicarilla "D"
M-13-26N-3W
AOF 2794 MCFPD; SICP 955#

S. M. O. C. # 2 Jicarilla "D"
A-14-26N-3W
AOF 9020 MCFPD; SICP 1037#/7 days

S. M. O. C. # 8 Jicarilla "D"
A-23-26N-3W
AOF 1835 MCFPD; SICP 977#

S. M. O. C. # 6 Jicarilla "D"
B-24-26N-3W
AOF 2285 MCFPD; SICP 962#/7 days

S. M. O. C. # 1 Jicarilla "D"
N-24-26N-3W
AOF 5910 MCFPD; SICP 1046 #/9 days

S. M. O. C. # 4 Jicarilla "E"
M-11-27N-3W
AOF 1103 MCFPD; SICP 1077#/7 days

S. M. O. C. # 5 Jicarilla "E"
A-14-27N-3W
AOF 633 MCFPD; SICP 914 #

S. M. O. C. # 3 Jicarilla "E"
M-15-27N-3W
AOF 413 MCFPD; SICP 1069 #/7 days

P. N. W. # 1 Indians "P"
H-16-27N-3W
IP 63 MCFPD; SICP 1031 #/7 days

P. N. W. # 1 Indians "M"
P-18-27N-3W
IP 410 MCFPD; SICP 1087 #/7 days

* S. M. O. C. # 1 Jicarilla "F"
B-22-27N-3W
AOF 845 MCFPD; SICP 1078 #/7 days

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S. M. O. C. # 3 Jicarilla "F"
M-22-27N-3W
TSTM

S. M. O. C. # 5 Jicarilla "F"
M-23-27N-3W
AOF 1110 MCFPD; SICP 991 #

S. M. O. C. # 2 Jicarilla "G"
A-25-27N-3W
Shut In

S. M. O. C. # 5 Jicarilla "G"
M-25-27N-3W
AOF 1004 MCFPD; SICP 793 #

S. M. O. C. # 8 Jicarilla "G"
A-26-27N-3W
AOF 709 MCFPD; SICP 912 #/7 days

S. M. O. C. # 4 Jicarilla "G"
M-26-27N-3W
AOF 1530 MCFPD; SICP 1015 #/7 days

S. M. O. C. # 6 Jicarilla "F"
A-27-27N-3W
AOF 1272 MCFPD; SICP 985 #/7 days

S. M. O. C. # 1 Jicarilla "G"
A-35-27N-3W
AOF 4500 MCFPD; SICP 1038 #/7 days

S. M. O. C. # 3 Jicarilla "G"
M-35-27N-3W
AOF 747 MCFPD; SICP 1039 #/7 days

S. M. O. C. # 6 Jicarilla "G"
M-36-27N-3W
AOF 3103 MCFPD; SICP 922 #/7 days

* DISCOVERY WELL
Comp. 6-11-56

- (b) Extend the Blanco-Pictured Cliffs Pool boundary in San Juan County, New Mexico, to include therein:

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM,
Section 1: W/2
Section 2: All
Section 3: All
Section 4: NE/4

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM,
Section 27: SE/4
Section 33: E/2
Section 34: All
Section 35: All
Section 36: S/2

based on:

Pan American Petr. # 4 E. E. Elliott "B"
P-27-30N-9W
AOF 3727 MCFPD; SICP 1036 #/7 days

Pan American Petr. # 2 Likens GU
J-3 1/4-30N-9W
AOF 9400 MCFPD; SICP 930 #/7 days

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Pan American Petr. # 1 Sandoval GU "B"
D-35-30N-9W
AOF 4483 MCFPD; SICP 1031 #/10 days

Pan American Petr. # 2 Ulibarri GU
O-35-30N-9W
AOF 2814 MCFPD; SICP 1073 #/11 days

Pubco Petr. # 1 Delhi State
I-36-30N-9W
AOF 3027 MCFPD; SICP 1076 #/7 days

Pubco Petr. # 14 State
M-36-30N-9W
AOF 4694 MCFPD; SICP 1045 #/7 days

- (c) Extend the Gavilan-Pictured Cliffs Pool boundary in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 25 NORTH, RANGE 2 WEST, NMPM,
Section 9: NE/4

based on:

EPNG # 9-1 Federal "C"
A-9-25N-2W
AOF 1441 MCFPD; SICP 945 #/13 days

- (d) Extend the Tapacito-Pictured Cliffs Pool boundary in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 27 NORTH, RANGE 5 WEST, NMPN,
Section 29: NE/4

based on:

EPNG # 4 SJU 27-5
A-29-27N-5W
AOF 1330 MCFPD; SICP 1020 #/41 days

- (e) Extend the Blanco-Mesaverde Pool boundary in Rio Arriba and San Juan Counties, New Mexico, to include therein:

TOWNSHIP 27 NORTH, RANGE 9 WEST, NMPN,
Section 1: E/2
Section 12: E/2

based on:

PNW # 1-1 Blanco Development
B-1-27N-9W
AOF 5816 MCFPD; SICP 1027 #/7 days

PNW # 2-12 Blanco Development
G-12-27N-9W
AOF 5858 MCFPD; SICP 1079 #/7 days

- (f) Extend the Bisti-Lower Gallup Oil Pool boundary in San Juan County, New Mexico, to include therein:

TOWNSHIP 25 NORTH, RANGE 11 WEST, NMPM,
Section 15: S/2 NW/4
Section 16: S/2 NE/4

based on:

J. V. Reynolds # 1 Weaver
E-15-25N-11W
IP 20 BOPD

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- (g) Extend the Horseshoe-Gallup Oil Pool boundary in San Juan County, New Mexico, to include therein:

TOWNSHIP 31 NORTH, RANGE 16 WEST, NMPM,
Section 34: SW/4 NE/4 & NW/4 SE/4

TOWNSHIP 31 NORTH, RANGE 17 WEST, NMPM,
Section 13: NW/4 SW/4

based on:

EPNG Prod. # 21 Horseshoe-Ute
G-34-31N-16W
IP 90 BOPD

EPNG Prod. # 20 Horseshoe-Ute
J-34-31N-16W
IP 82 BOPD

Magnolia # 18 Navajo "A"
L-13-31N-17W
IP 85 BOPD

- (h) Extend the Verde-Gallup Oil Pool boundary in San Juan County, New Mexico, to include therein:

TOWNSHIP 31 NORTH, RANGE 14 WEST, NMPM,
Section 21: SE/4 NW/4 & SW/4 NE/4

based on:

Magnolia # 6 Ute Mountain
G-21-31N-14W
IP 109 BOPD

- (i) Extend the South Blanco-Dakota Pool boundary in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 26 NORTH, RANGE 5 WEST, NMPM,
Section 5: All
Section 6: All
Section 7: All
Section 8: W/2

TOWNSHIP 26 NORTH, RANGE 6 WEST, NMPM,
Section 1: All
Section 2: All
Section 3: All
Section 4: E/2 & NW/4
Section 7: All
Section 8: W/2 & SE/4
Section 9: NE/4
Section 10: N/2 & SE/4
Section 11: All
Section 12: All
Section 14: N/2

TOWNSHIP 26 NORTH, RANGE 7 WEST, NMPM,
Section 1: SE/4
Section 12: E/2
Section 13: N/2

TOWNSHIP 27 NORTH, RANGE 6 WEST, NMPM,
Section 32: E/2
Section 33: All
Section 34: All

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based on:

NPC # 2-5 W
B-5-26N-5W
AOF 1326 MCFPD; SITP 2179 #/7 days

NPC # 1-7 W
M-7-26N-5W
AOF 661 MCFPD; SITP 2564 #/7 days

Occidental # 1-8 W
M-8-26N-5W
AOF 1123 MCFPD; SITP 2251#

Caulkins Oil # MD 244 Breech "C"
A-14-26N-6W
AOF 7393 MCFPD; SICP 2590 #/7 days

Caulkins Oil # PMD-224 Breech
A-13-26N-7W
AOF 1639 MCFPD; SITP 1216 #/7 days

Caulkins Oil # MD-4 Breech "F"
A-33-27N-6W
AOF 6892 MCFPD; SITP 2077 #/7 days

Caulkins Oil # PMD-8 Breech "F"
A-34-27N-6W
AOF 3915 MCFPD; SITP 2360 #/7 days