

CASE 1766: Application of NORTHWEST  
~~DEPARTMENT~~ for an oil-oil dual of  
its "S" Well No. 16-2.

Case No.

1766

Application, Transcript,  
Small Exhibits, Etc.

OIL CONSERVATION COMMISSION  
P. O. BOX 871  
SANTA FE, NEW MEXICO

October 19, 1959

Mr. Malcolm Colberg  
Northwest Production Corporation  
Simms Building  
Albuquerque, New Mexico

Dear Mr. Colberg:

On behalf of your client, Northwest Production Corporation, we enclose two copies of Order No. R-1501 in Case No. 1766, issued by the Oil Conservation Commission on October 19, 1959.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/1r

Enclosures: (2)

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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. 1766  
Order No. R-1501

APPLICATION OF NORTHWEST PRODUCTION  
CORPORATION FOR AN OIL-OIL DUAL COM-  
PLETION IN AN UNDESIGNATED GALLUP  
OIL POOL AND IN AN UNDESIGNATED  
DAKOTA OIL POOL, RIO ARriba COUNTY,  
NEW MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on September 30, 1959, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 7th day of October, 1959, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, 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 is the operator of the Jicarilla "S" Well No. 16-2, located in the SW/4 SW/4 of Section 2, Township 24 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico.

(3) That the applicant proposes to dually complete the above-described Jicarilla "S" Well No. 16-2 in such a manner as to permit the production of oil from an undesignated Gallup oil pool and the production of oil from an undesignated Dakota oil pool through parallel strings of 2-3/8 inch tubing.

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Case No. 1766  
Order No. R-1501

(4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(5) That approval of the proposed dual completion will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

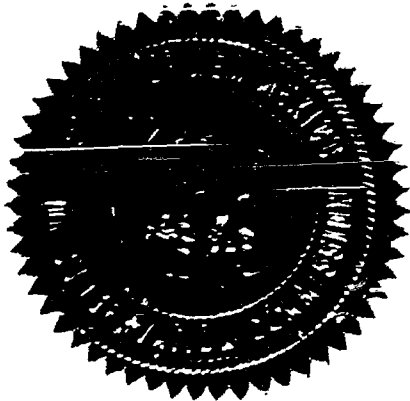
That the applicant be and the same is hereby authorized to dually complete the Jicarilla "S" Well No. 16-2, located in the SW/4 SW/4 of Section 2, Township 24 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico, in such a manner as to permit the production of oil from an undesignated Gallup oil pool and the production of oil from an undesignated Dakota oil pool through parallel strings of 2-3/8 inch tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter on the approximate anniversary date of the well's completion.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order, after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

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

1cr/

DOCKET: EXAMINER HEARING SEPTEMBER 30, 1959

Oil Conservation Commission - 9 a.m., Mabry Hall, State Capitol, Santa Fe, New Mexico

The following cases will be heard before Daniel S. Nutter, Examiner, or A. L. Porter, Jr., Secretary-Director.

CONTINUED CASE

CASE 1739: Application of Shell Oil Company for approval of a unit agreement. Applicant, in the above-styled cause, seeks an order approving its Henshaw Deep Unit Agreement comprising 4824 acres, more or less, of Federal and State lands in Township 16 South, Ranges 30 and 31 East, Eddy County, New Mexico.

NEW CASES

CASE 1760: Application of The Atlantic Refining Company for an automatic custody transfer system and for permission to produce more than 16 wells into a common tank battery. Applicant, in the above-styled cause, seeks an order authorizing it to install an automatic custody transfer system to handle the production from all Horseshoe-Gallup oil wells on its Navajo "B" Lease comprising certain acreage in Township 31 North, Range 16 West, San Juan County, New Mexico.

CASE 1761: Application of Stanton Oil Company, Ltd., for a pilot water flood project. Applicant, in the above-styled cause, seeks an order authorizing it to institute a pilot water flood project in the Turkey Track Pool in Eddy County, New Mexico, by the injection of water into the Queen formation through four wells located in Section 34, Township 16 South, Range 29 East.

CASE 1762: Application of Newmont Oil Company for an unorthodox water injection well location. Applicant, in the above-styled cause, seeks an order authorizing it to reopen and utilize for water injection a well located on an unorthodox location at a point 1620 feet from the North line and 1020 feet from the West line of Section 32, Township 16 South, Range 31 East, Square Lake Pool, Eddy County, New Mexico.

CASE 1763: Application of Southwestern Hydrocarbon Company for an order abolishing the Sawyer-San Andres and South Sawyer-San Andres Oil Pools in Lea County, New Mexico, and creating the Sawyer-San Andres Gas Pool; or in the alternative for an order extending the horizontal limits of the South Sawyer-San Andres Oil Pool to include the NE/4 of Section 6, the N/2 of Section 5 and the NW/4 of Section 4, Township 10 South, Range 38 East, Lea County, New Mexico, and removing all gas-oil ratio limitations for wells in said pool; or in the alternative for an order combining the Sawyer-San Andres and the South Sawyer-San Andres Oil Pools, as well as the intervening acreage, and removing all gas-oil ratio limitations for such pool.

CASE 1764: Application of Standard Oil Company of Texas for an unorthodox gas well location. Applicant, in the above-styled cause, seeks an order authorizing an unorthodox gas well location in the Atoka-Pennsylvanina Gas Pool, at a point 1850 feet from the South line and 1650 feet from the East line of Section 14, Township 18 South, Range 26 East, Eddy County, New Mexico.

- CASE 1765: Application of The Ohio Oil Company for a salt water disposal well. Applicant, in the above-styled cause, seeks an order authorizing the disposal of produced salt water into the Lower San Andres formation through its State B-4286 "A" Well No. 2, located in Unit F, Section 2, Township 17 South, Range 36 East, Lea County, New Mexico. The proposed injection interval is from 5725 feet to 5968 feet.
- CASE 1766: Application of Northwest Production Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its "S" Well No. 16-2, located in the SW/4 SW/4 of Section 2, Township 24 North, Range 4 West, Rio Arriba County, New Mexico, in such a manner as to produce oil from an undesignated Gallup oil pool and to produce oil from an undesignated Dakota oil pool through parallel strings of tubing.
- CASE 1767: Application of El Paso Natural Gas Products Company for permission to produce more than 16 wells in a common tank battery. Applicant, in the above-styled cause, seeks an order authorizing the production of a maximum of 35 wells in the Horseshoe-Gallup Oil Pool into a common tank battery. Said wells are located on applicant's Horseshoe Ute Lease comprising portions of Sections 27, 28, 33 and 34, Township 31 North, Range 16 West, San Juan County, New Mexico.
- CASE 1768: Application of T. F. Hodge for the rededication of acreage assigned to three oil wells in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order rededicating the acreage assigned to three oil wells on his Mary E. Wills Lease, Section 33, Township 26 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico. Applicant proposes to dedicate 40 acres to each of the three wells, said 40-acre units not to comprise a quarter-quarter section or legal subdivision.
- CASE 1769: Application of Pan American Petroleum Corporation for approval of a unit agreement. Applicant, in the above-styled cause, seeks an order approving its Northeast Hogback Unit Agreement, comprising 10,572 acres, more or less, in Township 30 North, Range 16 West, San Juan County, New Mexico.
- CASE 1770: Application of Pan American Petroleum Corporation for approval of a lease automatic custody transfer system. Applicant, in the above-styled cause, seeks an order authorizing the automatic custody transfer of oil produced from its Lois Wengerd Lease in Sections 23 and 24, Township 12 South, Range 37 East, Gladiola-Devonian Pool, Lea County, New Mexico.
- CASE 1771: Application of Pan American Petroleum Corporation for approval of a lease automatic custody transfer system. Applicant, in the above-styled cause, seeks an order authorizing the automatic custody transfer of oil produced from its USA Malco Refinery "F" Lease, Section 1, Township 18 South, Range 27 East, Empire-Abo Pool, Eddy County, New Mexico.
- CASE 1772: Application of Pan American Petroleum Corporation for approval of an automatic custody transfer system for four state leases in the Empire-Abo Pool, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order amending Order No. R-1292 to provide for automatic custody transfer of oil commingled thereunder.

- CASE 1773: Application of Pan American Petroleum Corporation for approval of two automatic custody transfer systems for seven federal leases in the Empire-Abo Pool, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order amending Order No. R-1399 to provide for automatic custody transfer of oil produced into the two commingled tank batteries authorized therein.
- CASE 1774: Application of Continental Oil Company for a non-standard gas unit. Applicant, in the above-styled cause, seeks the establishment of a 160-acre non-standard gas unit in an undesignated Tubb gas pool consisting of the E/2 NW/4 and the W/2 NE/4 of Section 15, Township 20 South, Range 37 East, Lea County, New Mexico. said unit to be dedicated to the applicant's Britt B-15 No. 10 Well, located in the SW/4 NE/4 of said Section 15.
- CASE 1775: Application of Continental Oil Company for a non-standard gas unit. Applicant, in the above-styled cause, seeks the establishment of a 160-acre non-standard gas unit in an undesignated Tubb gas pool consisting of the E/2 SE/4 of Section 15 and the W/2 SW/4 of Section 14, all in Township 20 South, Range 37 East, Lea County, New Mexico. said unit to be dedicated to the applicant's SEMU Well No. 70, located in the NW/4 SW/4 of said Section 15.
- CASE 1776: Application of Continental Oil Company for an exception to the overproduction shut-in provisions of Order R-520, as amended by Order R-967, for nine wells in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing the following-described wells in the Jalmat Gas Pool to compensate for their overproduced status without being completely shut-in in order to prevent possible waste:  
Ascarate D-24 Well No. 1, Unit J, Section 24, T-25-S, R-36-E, Danciger A-8 Well No. 2, Unit P, Section 8, T-23-S, R-36-E, Jack A-20 Well No. 4, Unit G, Section 20, T-24-S, R-37-E, Jack A-29 Well No. 3, Unit H, Section 29, T-24-S, R-37-E, Meyer A-29 Well No. 1, Unit O, Section 29, T-22-S, R-36-E, Meyer B-28 Well No. 1, Unit E, Section 28, T-22-S, R-36-E, State A-32 Well No. 4, Unit F, Section 32, T-22-S, R-36-E, Stevens A-34 Well No. 1, Unit E, Section 34, T-23-S, R-36-E, Wells B-1 Well No. 1, Unit A, Section 1, T-25-S, R-36-E, all in Lea County, New Mexico.
- CASE 1777: Application of El Paso Natural Gas Company for an exception to the overproduction shut-in provisions of Order R-520, as amended by Order R-967, for two wells in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing its E. J. Wells Lease Well No. 13, Unit L, Section 5, and its Wells B-4 Lease Well No. 1, Unit D, Section 4, both in Township 25 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico, to compensate for their overproduced status without being completely shut-in in order to prevent possible waste.
- CASE 1778: Application of Olsen Oils, Inc., for an exception to the overproduction shut-in provisions of Order R-520, as amended by Order R-967, for four wells in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing the following-described wells in the Jalmat Gas Pool to compensate for their overproduced status without being completely shut-in in order to prevent possible waste:  
Cooper B Well No. 2, NE/4 NW/4 of Section 14, T-24-S, R-36-E, Myers B Well No. 1, SE/4 NW/4 of Section 13, T-24-S, R-36-E, S. R. Cooper Well No. 1, SE/4 NE/4 of Section 23, T-24-S, R-36-E, Winingham Well No. 3, NE/4 SE/4 of Section 30, T-25-S, R-37-E, all in Lea County, New Mexico.

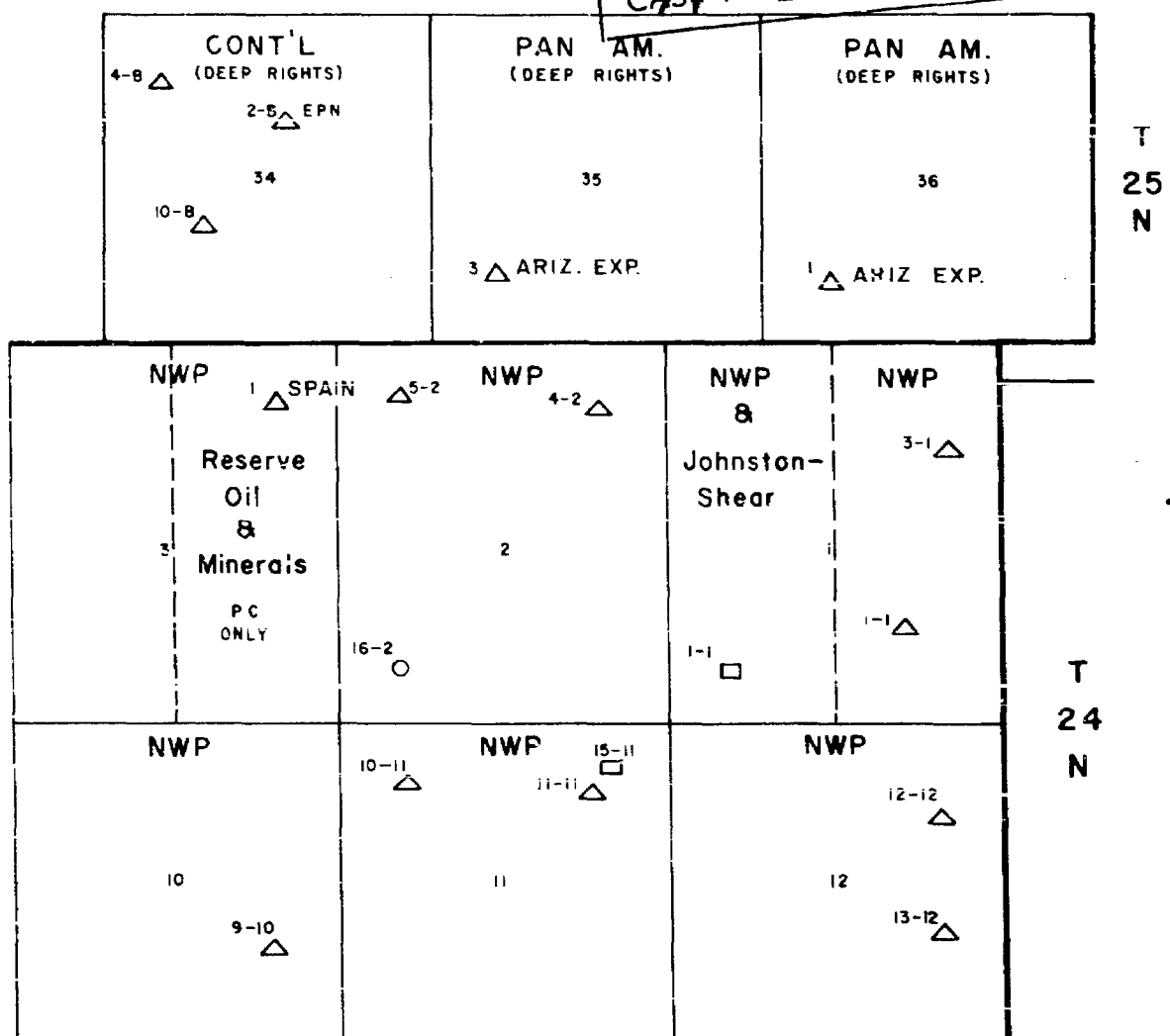


Docket No. 33-59

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- CASE 1779: Application of Jal Oil Company for an exception to the overproduction shut-in provisions of Order R-520, as amended by Order R-967, for four wells in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing the following-described wells in the Jalmat Gas Pool to compensate for their overproduced status without being completely shut-in in order to prevent possible waste:  
Legal Well No. 2, NE/4 SE/4 of Section 21,  
Dyer Well No. 3, SE/4 NE/4 of Section 31,  
Jenkins Well No. 2, NE/4 SW/4 of Section 29,  
Ropollo Well No. 1, SW/4 NW/4 of Section 28,  
all in Township 25 South, Range 37 East, Lea County, New Mexico.
- CASE 1780: Application of Husky Oil Company for an exception to the overproduction shut-in provisions of Order R-520, as amended by Order R-967, for one well in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing its Montecito Woolworth Well No. 2, Unit M, Section 33, Township 24 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico, to compensate for its overproduced status without being completely shut-in in order to prevent possible waste.
- CASE 1781: Application of Texaco, Inc. for permission to continue producing an over-produced Jalmat gas well at a lesser rate. Applicant, in the above-styled cause, seeks an order authorizing it to produce its C. C. Fristoe (b) NCT-4 Well No. 2, Unit M, Section 31, Township 24 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico, at a maximum rate of 2500 MCF per month for lease use until over production has been compensated for.

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 1  
CASE NO. 1766



- $\Delta$  PICTURED CLIFFS COMPLETIONS
- $\square$  DAKOTA COMPLETIONS
- $\circ$  PROPOSED GALLUP-DAKOTA DUAL COMPLETION

NORTHWEST PRODUCTION CORP.  
EXHIBIT # 1

NORTHWEST PRODUCTION CORPORATION  
ALBUQUERQUE, NEW MEXICO

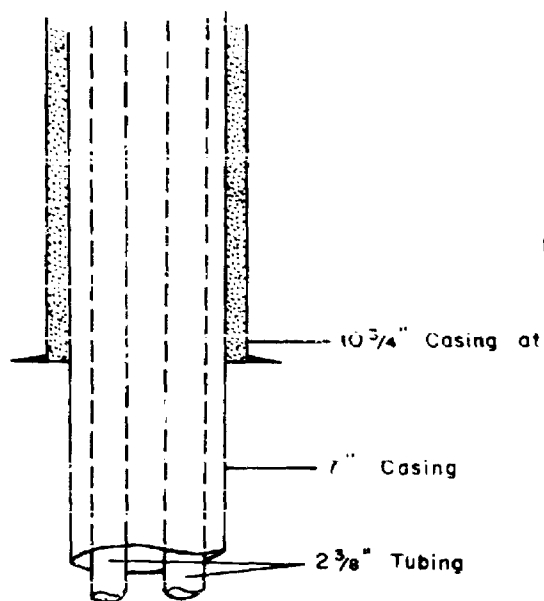
PROPOSED DUAL COMPLETION FOR  
"S" WELL 16-2 LOCATED IN  
SW/4 SW/4 SEC. 2, T24N-R4W

RIO ARriba COUNTY  
NEW MEXICO

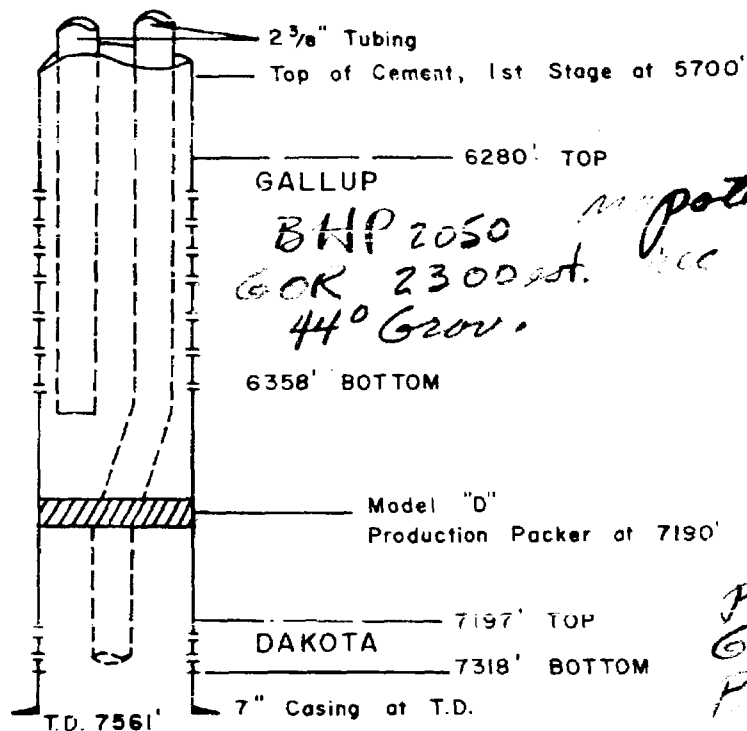
JICARILLA CONTRACT  
# 125

Drawn: W. H. McGohey  
Approved: Morris Jones

SCALE: 1"=5000'  
DATE: 8-26-39



BEFORE EXAMINER NOTED  
OIL CONSERVATION COMMISSION  
*aprk* EXHIBIT NO. 3  
CASE NO. 1766



*potential*  
*see load oil 185 bbl*

*potential 42 BO 12/64"*  
*Gas 757 MM*  
*P.H.P. 5-11 1 mile east*  
*BHP 2805*  
*44.7°*

NORTHWEST PRODUCTION CORP.  
EXHIBIT # 3

NORTHWEST PRODUCTION CORPORATION  
ALBUQUERQUE, NEW MEXICO

PROPOSED DUAL COMPLETION FOR  
"S" WELL 16-2 LOCATED IN  
SW/4 SW/4 SEC. 2, T 24 N-R 4 W

RIO ARriba COUNTY  
NEW MEXICO

JICARILLA CONTRACT  
# 126

Drawn: W. H. MEGCHEY  
Approved: Morris Jones

SCALE: 1"=3000'  
DATE: 8-26-59

## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

## APPLICATION FOR DUAL COMPLETION

Field Name		Undesignated Gallup (Oil) and Undesignated Dakota (Oil)		County	Rio Arriba	Date	August 25, 1959
Operator		Northwest Production Corp.		Lease	"S"	Well No.	16-2
Location of Well	Unit	Section	2	Township	24N	Range	4W

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES \_\_\_\_\_ NO X
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Gallup	Dakota
b. Top and Bottom of Pay Section (Perforations)	6280-6358	7197-7318
c. Type of production (Oil or Gas)	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Artificial Lift	Flowing

4. The following are attached. (Please mark YES or NO)

- Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Yes c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.\*
- Yes d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.
- None

Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO \_\_\_\_ . If answer is yes, give date of such notification \_\_\_\_\_.

CERTIFICATE: I, the undersigned, state that I am the Asst. Mgr., Prod. Oper. of the NORTHWEST PRODUCTION CORPORATION (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard perforation unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
SEPTEMBER 30, 1959

IN THE MATTER OF:

Application of Northwest Production Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its "S" Well No. 16-2, located in the SW/4 SW/4 of Section 2, Township 24 North, Range 4 West, Rio Arriba County, New Mexico, in such a manner as to produce oil from an undesignated Dakota oil pool through parallel strings of tubing.

CASE NO.

1766

BEFORE:

Mr. Daniel S. Nutter, Examiner

TRANSCRIPT OF PROCEEDINGS

MR. NUTTER: Next case on the docket is 1766.

MR. PAYNE: Case Number 1766. Application of Northwest Production Corporation for an oil-oil dual completion.

MR. CORBETT: My name is Malcolm Corbett, with Northwest Production Corporation. We have one witness to testify.

MR. PAYNE: Are you licensed to practice in New Mexico, sir?

MR. CORBETT: Yes, sir.

(Witness sworn.)

MORRIS B. JONES

a witness, called by and on behalf of Applicant, being first duly



sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. CORBETT:

Q Mr. Jones, will you state your name?

A Morris B. Jones.

Q By whom and in what capacity are you employed?

A Employed by Northwest Production Corporation, Albuquerque, assistant manager of production.

Q Have you previously testified before the Commission as an expert witness?

A No.

Q Will you state your qualifications?

A I graduated with a B. S. degree in Petroleum Engineering in 1952; then was employed by the Nichols Company in Midland as a Drilling Production Engineer until 1955; from 1955 to 1956, I was employed by the Pacific Pipeline Corporation in Farmington as Drilling Engineer. I was employed by Northwest Production in Farmington next as drilling engineer from 1956 to 1958, when I was transferred to Albuquerque as an Assistant Manager of Production.

MR. CORBETT: Are the witness' qualifications acceptable?

MR. NUTTER: Yes, sir.

Q (By Mr. Corbett) Mr. Jones, will you proceed and tell us what your application seeks?

A We seek approval to duly complete our Well "S" 16-2



located in the SW/4 of the SW/4 of Section 2, Township 24 North, Range 4 West, Rio Arriba County, New Mexico, in such a manner to produce oil from an undesignated Dakota oil pool.

Q Mr. Jones, will you explain the exhibits prepared in this?

A Exhibit Number 1 shows the proposed dual completion for our "S" Well 16-2 located in the SW/4 of the SW/4 of Section 2, Township 24 North, Range 4 West, Rio Arriba County, New Mexico.

Q Was notice of dual application given to offset owners?

A All acreage directly offsetting it is held by Northwest Production, therefore, notice has not been given.

Exhibit Number 2 is an electric production log of our "S" Well 16-2 with the top and bottom pay sections and perforated intervals shown on the Yates formation.

Q Do you have any other exhibits?

A Exhibit Number 3, is a schematic drawing of the proposed dual completion showing the mechanics for producing the two zones. There is a Model "D" Production Packer set at approximately 7190 feet to separate the two zones.

Q Were these exhibits 1 through 3 prepared by you or under your supervision?

A Yes.

MR. CORBETT: I would like to offer Northwest Production Exhibits 1 through 3 into evidence.

MR. NUTTER: Without objection, Northwest Production



Exhibits 1 through 3, will be entered.

Q (By Mr. Corbett) In your opinion, will this prevent waste?

A Yes, sir, it will.

MR. CORBETT: This concludes the applicant's testimony in this case.

CROSS EXAMINATION

BY MR. PAYNE:

Q Are these designated?

A Yes, sir, they are.

Q One undesignated, and the others designated?

A Yes, sir.

MR. PAYNE: That's all.

QUESTIONS BY MR. NUTTER:

Q Mr. Jones, I would like a little information on the reservoirs on either of these.

A We have no potential on the Gallup, Mr. Nutter; in fact, we recovered our load oil and recovered approximately 85 barrels of new oil in a 24-hour period by swab flow. At this time we have drilled out the bridge plug and are combining the two zones together by reverse circulation. The reason we did not potential the Gallup, or file a potential, is because the Gallup will have to be swabbed.

Q (By Mr. Payne) Do you have any idea about the B.H.P.?

A We had an initial shut-in pressure of 2050.





Q How about the gas-oil ratio which you will have?

A From what we determined on our swab test, our gas was all diffused, and a gas-oil ratio of 2300 estimated. The gas was measured by pilot tube at two hourly intervals.

Q How about the gravity?

A 44 degrees at 50 degrees Fahrenheit.

Q Now, the Dakota?

A On the Dakota, we have potentialized the Dakotas for 42 barrels through a 12/64 inch choke.

Q That is flowing, is it not?

A Yes, sir, and it is -- The gas was too small to measure. The bottom hole pressure run on our "S" Well 1-1, which is located in the SW/4 of the SW/4, one mile away due east, had a bottom hole pressure of 2805.

Q How about the gravity on the Dakota?

A The gravity is 44 percent degrees, this is 60 degrees Fahrenheit.

Q The differential in estimated bottom hole pressure, is approximately 88-lbs. Will that adequately separate the two zones under a 200-lb. differential?

A Yes, sir.

MR. NUTTER: Anyone have any further questions of Mr. Jones? He may be excused. Does anybody have anything further in Case 1766? We take the cause under advisement.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

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STATE OF NEW MEXICO )  
 ) ss.  
COUNTY OF BERNALILLO )

I, G. R. GONZALEZ, Court Reporter, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in stenotype and reduced to typewritten transcript by me and/or under my personal supervision, and that the same is a true and correct record to the best of my knowledge, skill and ability.

WITNESS my Hand and Seal, this, the 10th day of November, 1959, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

*G R Gonzalez*  
G. R. GONZALEZ Court Reporter.

I do hereby certify that the foregoing is a correct copy of the proceedings in the hearing of Case No. 1766, heard by me on 9-30, 1959.

*[Signature]*  
Examiner  
New Mexico Oil Conservation Commission



I N D E X

<u>WITNESS</u>	<u>PAGE</u>
MORRIS B. JONES	
Direct Examination by Mr. Corbett	2
Cross Examination by Mr. Payne	4
QUESTIONS by Mr. Nutter	4

<u>NUMBER</u>	<u>EXHIBIT</u>	<u>FOR</u> <u>IDENTIFICATION</u>	<u>OFFERED</u>	<u>ENTERED</u>
App. 1	Proposed dual completion	3	3	3
" 2	Electric Production Log	3	3	3
" 3	Schematic drawing	3	3	3