

CASE 2076: Application of AZTEC OIL
WELL NO. 15-D IN UNIT D.

Case No.

2076

Application, Transcript,
and Exhibits, Etc.

**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. 2076
Order No. R-1781**

**APPLICATION OF ARTES OIL & GAS
COMPANY FOR A GAS-GAS DUAL
COMPLETION IN THE ARTES-PICTURED
CLIFFS POOL AND IN THE DAKOTA
PRODUCING INTERVAL, SAN JUAN
COUNTY, NEW MEXICO.**

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on September 21, 1960, 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 3rd day of October, 1960, 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, Artes Oil & Gas Company, is the owner and operator of the Hare Well No. 15-D, located in Unit D, Section 10, Township 29 North, Range 10 West, NEPM, San Juan County, New Mexico.

(3) That the applicant proposes to dually complete the said Hare Well No. 15-D in such a manner as to permit the production of gas from the Artes-Pictured Cliffs Pool through a string of 2 7/8-inch casing and the production of gas from the Dakota Producing Interval through 2 3/8-inch tubing installed within a parallel string of 4 1/2-inch casing, cemented in a common well bore.

(4) That sufficient cement should be used to provide a 950-foot fill-up from total depth, and that sufficient cement should be used to provide a fill-up from a cement basket set below the

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base of the Pictured Cliffs formation to a point 350 feet above the shoe of the 2 7/8-inch casing.

(5) That the mechanics of the proposed dual completion are feasible and in accord with sound conservation practices, provided adequate centralizing or turbolining equipment is used.

(6) That approval of the subject application will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

That the applicant, Arden Oil & Gas Company, be and the same is hereby authorized to dualy complete its Base Well No. 18-D, located in Unit 2, Section 18, Township 22 North, Range 10 West, NMM, San Juan County, New Mexico, in such a manner as to permit the production of gas from the Arden-Pictured Cliffs Pool through a string of 2 7/8-inch casing and the production of gas from the Dakota Producing Interval through 2 1/8-inch tubing installed within a parallel string of 4 1/2-inch casing, cemented in a common well bore.

PROVIDED HOWEVER, That centralizers or turboliners shall be installed at 20-foot intervals throughout the producing formations and to a point 100 feet above such formations.

PROVIDED FURTHER, That sufficient cement shall be used to provide a 250-foot fill-up from total depth, and that sufficient cement shall be used to provide a fill-up from a cement basket set below the base of the Pictured Cliffs formation to a point 350 feet above the shoe of the 2 7/8-inch casing.

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

PROVIDED FURTHER, That the applicant shall take communication tests upon completion and annually thereafter during the Deliverability Test Period for the Dakota Zone, or as prescribed by the Secretary-Director of the Commission.

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 the protection of correlative rights; upon failure of the applicant to comply with any requirement of this order, the Commission may terminate the

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authority herein granted and require the applicant or its successors and assigns to limit its activities to regular single-season production in the interest of conservation.

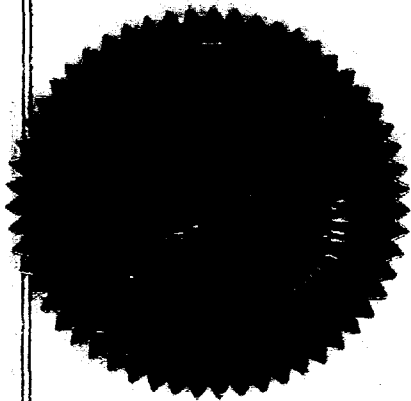
WELL at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

John Burroughs
JOHN BURROUGHS, Chairman

W. E. Meyer
W. E. MEYER, Member

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



OK/

Case 2076
MAZTEC OIL & GAS COMPANY

920 MERCANTILE SECURITIES BLDG.
DALLAS 1, TEXAS

1960 AUG 25 AM 8:55

August 19, 1960

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. A. L. Porter, Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Re: Application of Aztec Oil & Gas
Company for Multiple Completion
Hearing Relating to Hare #15-D
Well, San Juan County, New Mexico

Dear Mr. Porter:

Enclosed, in triplicate, is Aztec Oil & Gas Company's application for Dual Completion, as required by Rule 112-A IV, for the purpose of approval of completion of the captioned well in the Pictured Cliffs and Dakota formations. It is expected that both formations will be productive of gas. The completion technique for which approval is sought will employ the setting of $4\frac{1}{2}$ " casing in the Dakota formation and 2 $\frac{3}{8}$ " tubing inside such casing for the production of Dakota gas. The Pictured Cliffs gas will be produced from a parallel string of 2 $\frac{7}{8}$ " casing set, cemented and perforated in the Pictured Cliffs formation, having been run in the well bore outside such $4\frac{1}{2}$ " casing.

It is respectfully requested that this application be set for hearing at an early date.

Yours very truly,

AZTEC OIL & GAS COMPANY

By Kenneth A. Swanson
Kenneth A. Swanson
Attorney

*York
Mailed
9-9-60
JH*

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name	Aztec-Pictured Cliffs; Undesignated Dakota			County	San Juan	Date	August 18, 1960	
Operator	Aztec Oil & Gas Company			Lease	Here	Well No.	15-D	
Location of Well	Unit	Section	Township	Range				
	D	10	29-N	10-W				

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	Pictured Cliffs	Dakota
b. Top and Bottom of Pay Section (Perforations)	2225' - 2300'	6575' - 6775'
c. Type of production (Oil or Gas)	Gas	Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing	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.*
- NO 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.

Woodriver Oil & Refining Company

El Paso Natural Gas Company

321 W. Douglas

P. O. Box 197

Wichita, Kansas

Farmington, New Mexico

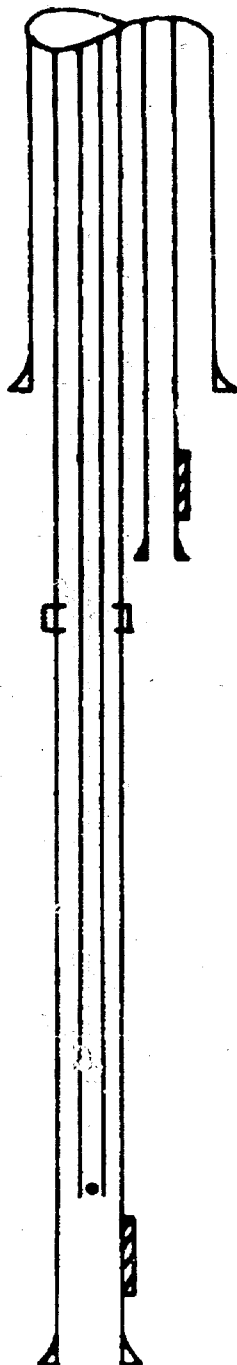
6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO ____ . If answer is yes, give date of such notification August 22, 1960 .

CERTIFICATE: I, the undersigned, state that I am the Attorney of the Aztec Oil & Gas Company (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.

Kenneth A. Swanson
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 proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

EXHIBIT " A "



Surface casing: 13-3/8" set at 200', cement circulated

✓
Pictured Cliffs perforations at 2225 - 2300' in
2-7/8" casing set at 2350' with 100 sacks cement

DW tool at 2400' cemented with 100 sacks cement

2350
- 350

2000 ✓

2-3/8" tubing landed at 6575'

Pin collar

Dakota perforations at 6575 - 6775' in

4 1/2" casing set at 6600' with 300 sacks cement

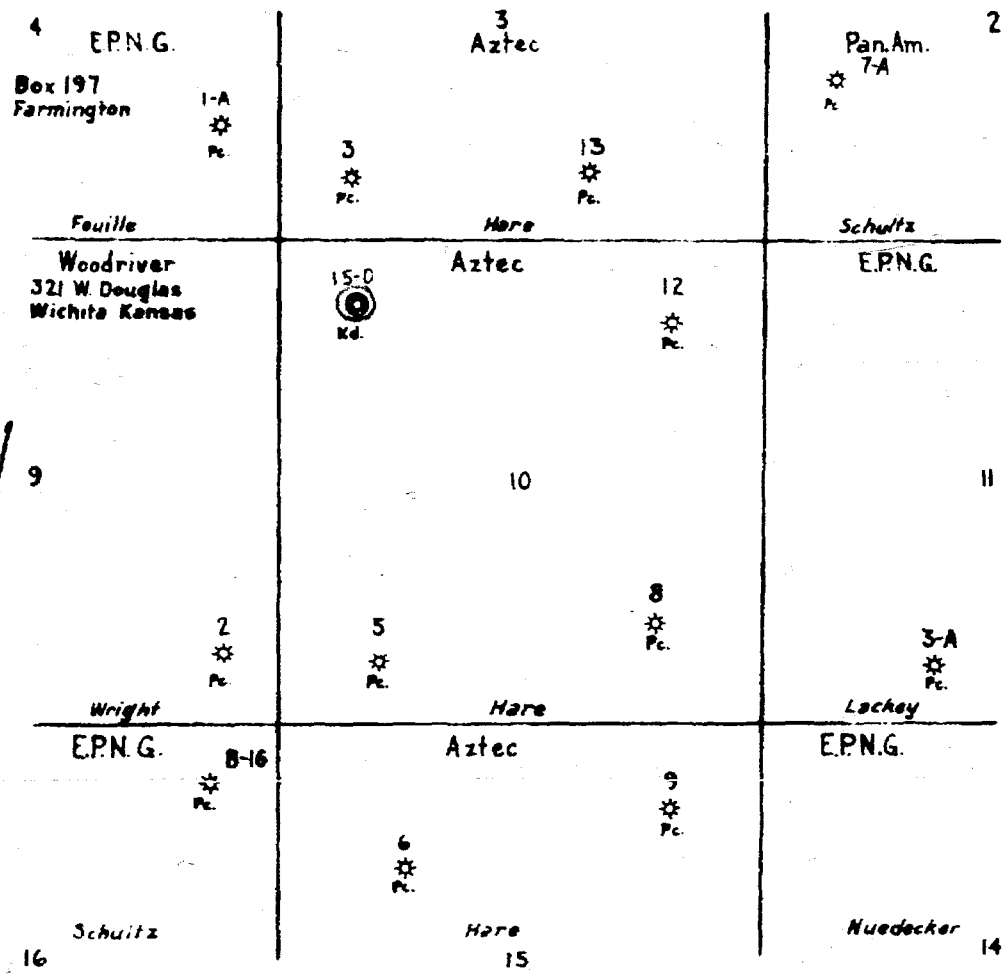
All depths estimated

AZTEC OIL & GAS COMPANY

Hare #15-D

R-10-W

T-29-N⁹



Dakota

Picture Cliffs

EXHIBIT "B"

AZTEC OIL & GAS COMPANY

920 MERCANTILE SECURITIES BUILDING
DALLAS 1, TEXAS

August 22, 1960

Woodriver Oil & Refining Company
301 West Douglas
Wichita, Kansas

Re: Application of Aztec Oil & Gas
Company for Multiple Completion
Hearing Relating to Nare 15-D
Well, San Juan County, New
Mexico

Gentlemen:

Enclosed is a copy of Aztec's Application for Dual Completion
relating to the captioned well. It is contemplated that this Ap-
plication will be heard at the next regularly scheduled Examiner
Hearing of the New Mexico Oil Conservation Commission.

Should you desire copies of the plat and schematic drawing
which accompanied our Application made to the Commission, we
shall be happy to furnish them.

Yours very truly,

Kenneth A. Swanson

KAS/vt
Enclosure

AZTEC OIL & GAS COMPANY
920 MERCANTILE SECURITIES BUILDING
DALLAS 1, TEXAS

August 22, 1960

El Paso Natural Gas Company
P. O. Box 197
Farmington, New Mexico

Re: Application of Aztec Oil & Gas
Company for Multiple Completion
Hearing Relating to Hole 15-D
Well, San Juan County, New
Mexico

Gentlemen:

Enclosed is a copy of Aztec's Application for Dual Completion relating to the captioned well. It is contemplated that this Application will be heard at the next regularly scheduled Examiner Hearing of the New Mexico Oil Conservation Commission.

Should you desire copies of the plat and schematic drawing which accompanied our Application made to the Commission, we shall be happy to furnish them.

Yours very truly,

Kenneth A. Swanson

KAS/et
Enclosure