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KERR-McGEE CORPORATION

AKAH-NEZ DEVONIAN OIL POOL SAN JUAN COUNTY, NEW MEXICO

> CONTOURED ON: TOP McCRACKEN SS CONTOUR INTERVAL: 100 FEET

GEOL: J. R. BARWIN

DATE: 12/67

SCALE: 1" = 3000"

BEFORE	EXAMINER UTZ
OIL CONSER	VATION COMMISSION
(ipplies E	XHIBIT NO.
CASE NO	3109

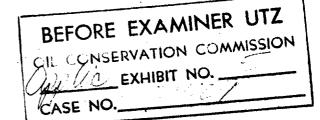
RESERVOIR DATA SHEET AKAH-NEZ DEVONIAN RESERVOIR SAN JUAN COUNTY, NEW MEXICO

Top Sand (J-1 Well), Sub-Sec Net Sand Thickness (J-1 Well) Average Porosity Average Permeability (calculated) BHP Oil Gravity + 5,166 feet 25 feet 8 per cent 163.5 md. 766 psig 47.50

WELL TEST DATA

<u>Well</u>	Date <u>Completed</u>	Date of <u>Test</u>	Test Data
	November 15, 1967	November 19, 1967	Pump 160 barrels oil and 62 barrels water per day with G.O.R. of 109 cubic feet per barrel oil.
		November 25, 1967	Pump 202 barrels oil and 64 barrels water per day.
		December 3, 1967	Pump 232 barrels oil and 44 barrels water per day.

Exhibit No.
Case No. 3709
January 10, 1968



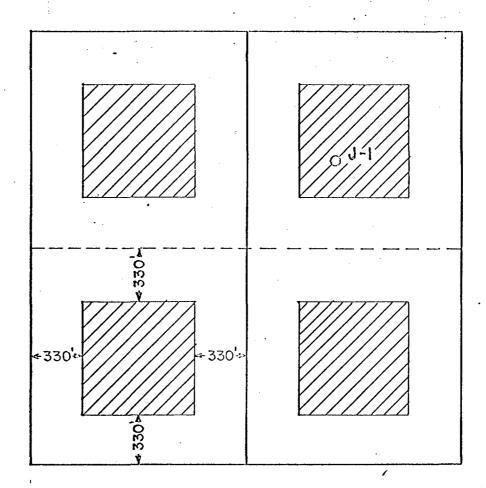
SPECIAL RULES AND REGULATIONS FOR THE AKAH-NEZ-DEVONIAN OIL POOL

- RULE 1. Each well completed or recompleted in the Akah-Nez Oil Pool or in the Devonian formation within the defined vertical limits of said pool and within one mile thereof, and not nearer to or within the limits of another designated Devonian oil pool, shall be spaced, drilled, operated, and produced in accordance with the Special Rules and Regulations hereinafter set forth.
- RULE 2. Each well shall be located on a standard unit containing 80 acres, more or less, consisting of the N/2, S/2, E/2, or W/2 of a governmental quarter section; provided, however, that nothing contained herein shall be construed as prohibiting the drilling of a well on each of the quarter-quarter sections in the unit.
- RULE 3. The Secretary-Director of the Commission may grant an exception to the requirements of Rule 2 without notice and hearing when an application has been filed for a non-standard unit comprising a governmental quarter-quarter section or lot, or the unorthodox size or shape of the tract is due to a variation in the legal subdivision of the United States Public Land Surveys. All operators offsetting the proposed non-standard unit shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Secretary-Director may approve the application upon receipt of written waivers from all offset operators or if no offset operator has entered an objection to the formation of the non-standard unit within 30 days after the Secretary-Director has received the application.
- RULE 4. Each well shall be located no closer than 330 feet to a governmental quarter-quarter section line.
- RULE 5. The Secretary-Director may grant an exception to the requirements of Rule 4 without notice and hearing when an application has been filed for an unorthodox location necessitated by topographical conditions or the recompletion of a well previously drilled to another horizon. All operators offsetting the proposed location shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Secretary-Director may approve the application upon receipt of written waivers from all operators offsetting the proposed location or if no objection to the unorthodox location has been entered with 20 days after the Secretary-Director has received the application.
- RULE 6. A standard proration unit (79 through 81 acres) shall be assigned an 80-acre proportional factor of 2.00, for allowable purposes, and in the event there is more than one well on an 80-acre proration unit, the operator may produce the allowable assigned to the unit from the wells on the unit in any proportion. The allowable assigned to a non-standard proration unit shall bear the same ratio to a standard allowable as the acreage in such non-standard unit bears to 80 acres.

Exhibit No.
Case No. 3709
January 10, 1698

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO.
CASE NO.

FIELD RULES HEARING AKAH-NEZ FIELD San Juan Co., New Mexico

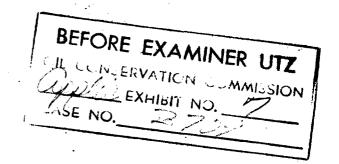


NE/4 Section 23
T 23N R 20W
San Juan Co., New Mexico
Scale: 1" = 600'



Permitted Well Location

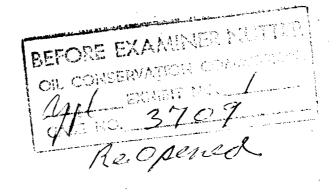
CASE No. 3709
JANUARY 10, 1968



(Reopened)

APPLICATION FOR FIELD RULES
AKAH-NEZ DEVONIAN OII POOL
JANUARY 8, 1969

KERR-McGEE CORPORATION EXHIBITS



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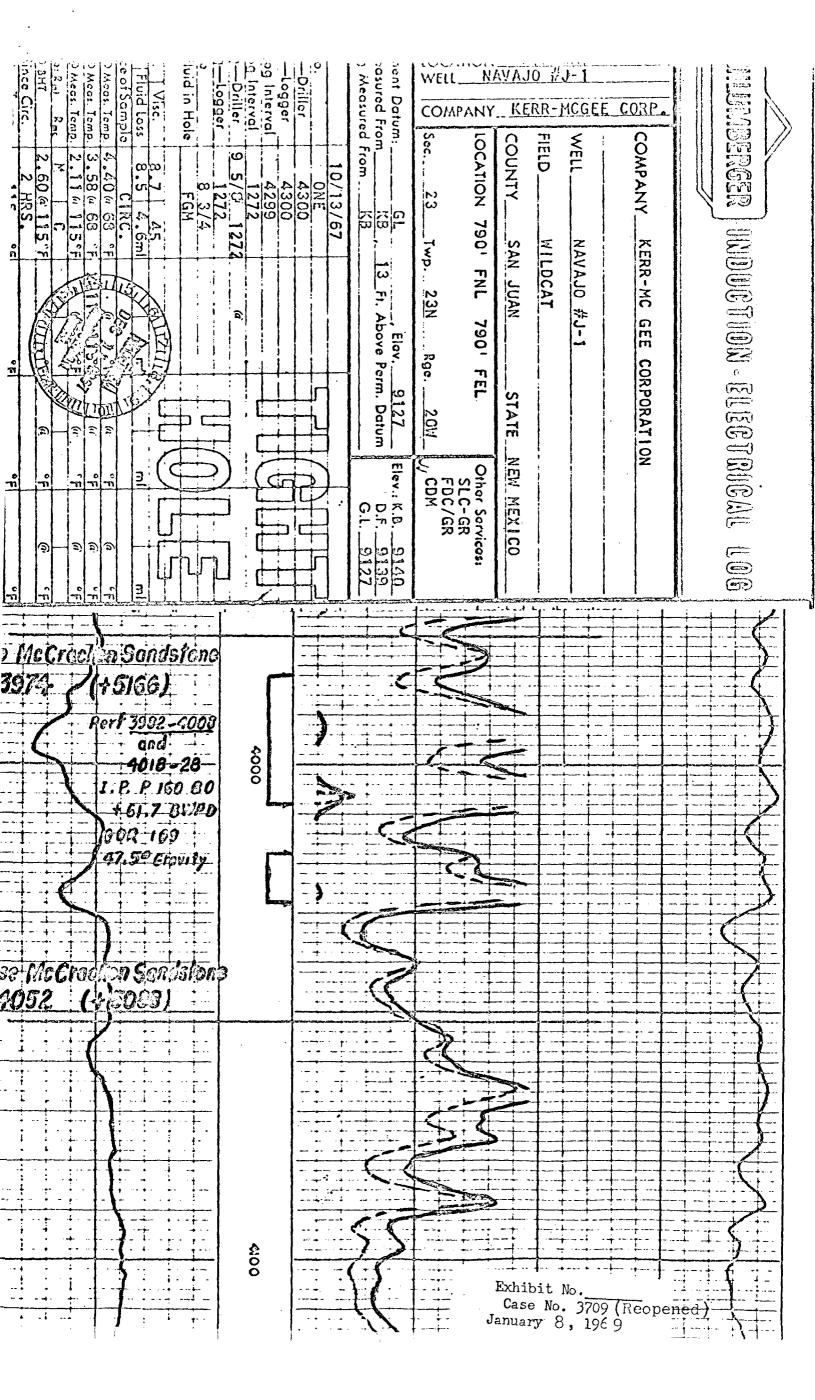
KERR-MCGEE CORPORATION

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Exhibit No.
Case No. 3709 (Reopened)
January 8, 1969



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KERR - Mc GEE CORPORATION

AKAH-NEZ DEVONIAN OIL POOL

SAN JUAN COUNTY, NEW MEXICO

CONTOURED ON: TOP McCRACKEN Ss CONTOUR INTERVAL: 100 FEET

GEOL: R. W. KING

DATÉ: 12/67

SCALE: 1" = 3000

Exhibit No. Case No. 3709 (Reopened)

January 8, 1969

RESERVOIR DATA SHEET AKAH-NEZ DEVONIAN RESERVOIR SAN JUAN COUNTY, NEW MEXICO

Top Sand (J-1 Well), Sub-Sec Net Sand Thickness (J-1 Well) Average Porosity Average Permeability (calculated) BHP Oil Gravity + 5,166 feet 25 feet 8 per cent 163.5 md. 766 psig 47.50

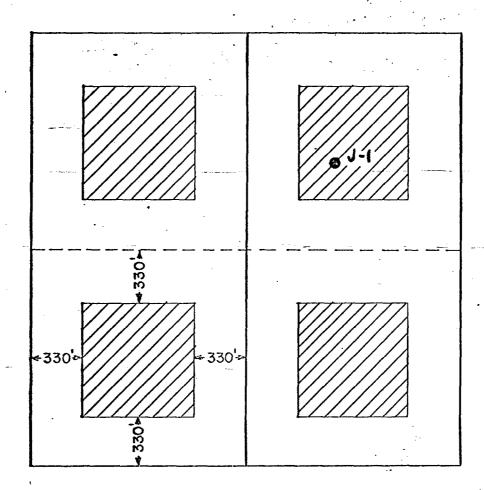
WELL TEST DATA

<u>Well</u>	Date Completed	Date of Test	Test Data
Navajo "J" No. 1	November 15, 1967	November 19, 1967	Pump 160 barrels oil and 62 barrels water per day with G.O.R. of 109 cubic feet per barrel oil.
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		December 3, 1967	Pump 232 barrels oil and 44 barrels water per day.

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Exhibit No.
Case No. 3709 (Reopened)
January 8, 1969

FIELD RULES HEARING AKAH-NEZ FIELD San Juan Co., New Mexico



NE/4 Section 23
T23N R20W
San Juan Co., New Mexico
Scale: 1" = 600'



Permitted Well Location

CASE No. 3709 (REOPENED)
JANUARY 8, 1969



Exhibit No.
Case No. 3709 (Reopened)

PRODUCTION SUMMARY

MONTH	OIL PRODUCTION
NOVEMBER, 1967	1,316 BBLS.
DECEMBER, 1967	2,183 BBLS.
JANUARY, 1968	3,408 BBLS.
FEBRUARY, 1968	3,990 BBLS.
MARCH, 1968 (S. I. 3/12/68)	1,268 BBLS.
CUMULATIVE PRODUCTION	12,165 BBLS.

TESTS OF SPECIAL INTEREST

DATE OF TEST	OIL	GAS	WATER	GOR
NOVEMBER 15, 1967	. 160 BBLS	3. 17	62 BBLS.	109
FEBRUARY 21, 1968	123 BBLS	3. 295	20 BBLS.	2,399
FEBRUARY 29, 1968	103 BBL		26 BBLS.	2,872

EXHIBIT NO.
CASE NO. 3709 (REOPENED)
JANUARY 8, 1969

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. 3709 Order No. R-3366

APPLICATION OF KERR-McGEE CORPORATION FOR SPECIAL POOL RULES, SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on January 10, 1968, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 22nd day of January, 1968, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, 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, Kerr-McGee Corporation, seeks the promulgation of special rules and regulations for the Akah Nez-Devonian Oil Pool, San Juan County, New Mexico, including a provision for 80-acre spacing units.
- (3) That in order to prevent the economic loss caused by the drilling of unnecessary wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, to prevent reduced recovery which might result from the drilling of too few wells, and to otherwise prevent waste and protect correlative rights, temporary special rules and regulations providing for 80-acre spacing units should be promulgated for the Akah Nez-Devonian Oil Pool.

EXHIBIT NO.
CASE NO. 3709
(REOPENED)
JANUARY 8, 1969

-2-CASE No. 3709 Order No. R-3366

- (4) That the temporary special rules and regulations should be established for a period of one year in order to allow the operators in the subject pool to gather reservoir information to establish the area that can be efficiently and economically drained and developed by one well.
- (5) That this case should be reopened at an examiner hearing in January, 1969, at which time the operators in the subject pool should be prepared to appear and show cause why the Akah Nez-Devonian Oil Pool should not be developed on 40-acre spacing units.

IT IS THEREFORE ORDERED:

That temporary Special Rules and Regulations for the Akah Nez-Devonian Oil Pool, San Juan County, New Mexico, are hereby promulgated as follows:

SPECIAL RULES AND REGULATIONS FOR THE AKAH NEZ-DEVONIAN OIL POOL

- RULE 1. Each well completed or recompleted in the Akah Nez-Devonian Oil Pool or in the Devonian formation within one mile thereof, and not nearer to or within the limits of another designated Devonian oil pool, shall be spaced, drilled, operated, and produced in accordance with the Special Rules and Regulations hereinafter set forth.
- RULE 2. Each well shall be located on a standard unit containing 80 acres, more or less, consisting of the N/2, S/2, E/2, or W/2 of a quarter section; provided, however, that nothing contained herein shall be construed as prohibiting the drilling of a well on each of the quarter-quarter sections in the unit.
- RULE 3. The Secretary-Director of the Commission may grant an exception to the requirements of Rule 2 without notice and hearing when an application has been filed for a non-standard unit comprising a quarter-quarter section or lot or the unorthodox size or shape of the tract is due to a variation in the subdivision of the survey. All operators offsetting the proposed non-standard unit shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished.

CASE No. 3709 Order No. R-3366

The Secretary-Director may approve the application upon receipt of written waivers from all offset operators or if no offset operator has entered an objection to the formation of the non-standard unit within 30 days after the Secretary-Director has received the application.

- RULE 4. Each well shall be located no closer than 330 feet to a quarter-quarter section line.
- RULE 5. The Secretary-Director may grant an exception to the requirements of Rule 4 without notice and hearing when an application has been filed for an unorthodox location necessitated by topographical conditions or the recompletion of a well previously drilled to another horizon. All operators offsetting the proposed location shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Secretary-Director may approve the application upon receipt of written waivers from all operators offsetting the proposed location or if no objection to the unorthodox location has been entered within 20 days after the Secretary-Director has received the application.
- RULE 6. A standard proration unit (79 through 81 acres) shall be assigned an 80-acre proportional factor of 2.00 for allowable purposes, and in the event there is more than one well on an 80-acre proration unit, the operator may produce the allowable assigned to the unit from the wells on the unit in any proportion.

The allowable assigned to a non-standard proration unit shall bear the same ratio to a standard allowable as the acreage in such non-standard unit bears to 80 acres.

IT IS FURTHER ORDERED:

- (1) That the locations of all wells presently drilling to or completed in the Akah Nez-Devonian Oil Pool or in the Devonian formation within one mile thereof are hereby approved; that the operator of any well having an unorthodox location shall notify the Aztec District Office of the Commission in writing of the name and location of the well on or before February 1, 1968.
- (2) That each well presently drilling to or completed in the Akah Nez-Devonian Oil Pool or in the Devonian formation within

-4-CASE No. 3709 Order No. R-3366

one mile thereof shall receive a 40-acre allowable until a Form C-102 dedicating 80 acres to the well has been filed with the Commission.

- (3) That this case shall be reopened at an examiner hearing in January, 1969, at which time the operators in the subject pool may appear and show cause why the Akah Nez-Devonian Oil Pool should not be developed on 40-acre spacing units.
- (4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

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

SEAL