

DOCKET: REGULAR HEARING NOVEMBER 18, 1959

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

- Allowable: (1) Consideration of the oil allowable for December, 1959.
- (2) Consideration of the allowable production of gas for December, 1959, for six prorated pools in Lea County, New Mexico and for the allowable production of gas for seven prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico, for December, 1959; also presentation of purchasers' nominations for the six-month period beginning January 1, 1960, for the six prorated pools in Lea County, New Mexico.

CASE 1728: (Hearing de Novo)
Application of Hanson, Waters, and Williamson for a hearing de novo before the Oil Conservation Commission in Case No. 1728, Order No. R-1473, which was an application for a pilot water flood project in the Coyote-Queen Pool, Chaves County, New Mexico, and for capacity allowables for 12 wells in said project, and for the establishment of an administrative procedure for expanding said project and for granting capacity allowables to wells in said project.

NEW CASES

- CASE 1757: Application of J. C. Williamson for an order establishing 80-acre proration units in an undesignated Devonian pool in Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order establishing 80-acre proration units in an undesignated Devonian pool in Chaves County, New Mexico. The discovery well is located 660 feet from the North and East lines of Section 1, Township 12 South, Range 28 East.
- CASE 1809: Southeastern New Mexico nomenclature case calling for an order creating and extending existing pools in Lea, Eddy, and Chaves Counties, New Mexico:
- (a) Create a new pool, classified as an oil pool for Abo production, designated as the Baish-Abo Pool, and described as:

TOWNSHIP 17 SOUTH, RANGE 32 EAST, NMPM
Section 21: SE/4

(b) Create a new pool, classified as an oil pool for Silurian production, designated as the Fowler-Upper Silurian Pool, and described as:

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM
Section 22: E/2

(c) Create a new pool, classified as an oil pool for Tubb production, designated as the Monument-Tubb Pool, and described as:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 16: SE/4

(d) Create a new pool classified as an oil pool for Wolfcamp production, designated as the Canyon-Wolfcamp Pool, and described as:

TOWNSHIP 19 SOUTH, RANGE 24 EAST, NMPM
Section 36: NW/4

(e) Extend the East Crossroads-Devonian Pool to include therein:

TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM
Section 19: N/2 SE/4

(f) Extend the Culwin-Queen Pool to include therein:

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM
Section 31: SW/4

(g) Extend the Dayton-Abo Pool to include therein:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM
Section 25: W/2
Section 26: S/2
Section 36: NW/4

(h) Extend the High Lonesome Pool to include therein:

TOWNSHIP 16 SOUTH, RANGE 29 EAST, NMPM
Section 12: SE/4

(i) Extend the Little Lucky Lake-Devonian Pool to include therein:

TOWNSHIP 15 SOUTH, RANGE 30 EAST, NMPM
Section 29: SW/4

(j) Extend the Red Lake-Pennsylvanian Gas Pool to include therein:

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM
Section 8: SE/4
Section 17: NE/4

RUSSELL ENGINEERING

Water Analysis Report

LAB NO. W-423

for

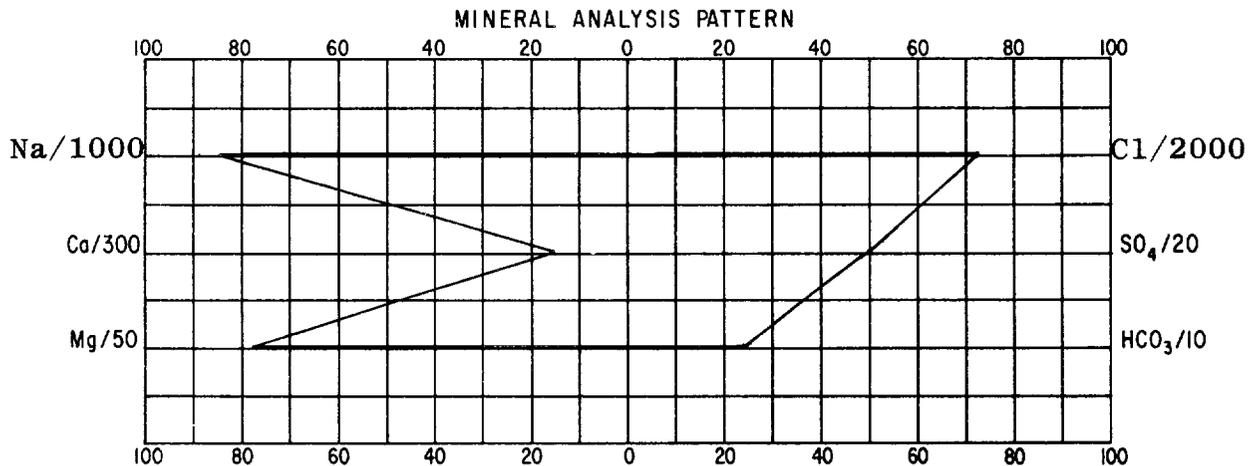
HANSON, WATERS, & WILLIAMSON

WELL Water Supply Well No. 2-X DATE SAMPLED 8-29-59 DATE ANALYZED 8-31-59

FIELD Coyote (Queen) Pool COUNTY Chaves STATE New Mexico

SOURCE Glorietta Sand, 3200' Depth.

SAMPLE OF: PRODUCED WATER INJECTION WATER OTHER



SUSPENDED SOLIDS PPM

TURBIDITY as SiO₂ (Agitated) 160+

TURBIDITY as SiO₂ (Filtered) 4

IRON 495

DISSOLVED GASES PPM

HYDROGEN SULPHIDE 0

CARRON DIOXIDE 125

OXYGEN N.D.

PHYSICAL PROPERTIES PPM

SPECIFIC GRAVITY 1.164

pH 6.5

CONDUCTIVITY 0.050

DISSOLVED SOLIDS PPM

TOTAL ALKALINITY as CaCO₃ 200

SATURATION as CaCO₃ 4

UNDERSATURATION as CaCO₃ -

CALCIUM 4,540

MAGNESIUM 3,860

BARIUM 0

SODIUM (Calculated) 84,500

CHLORIDE 145,000

SULPHATE 1,000

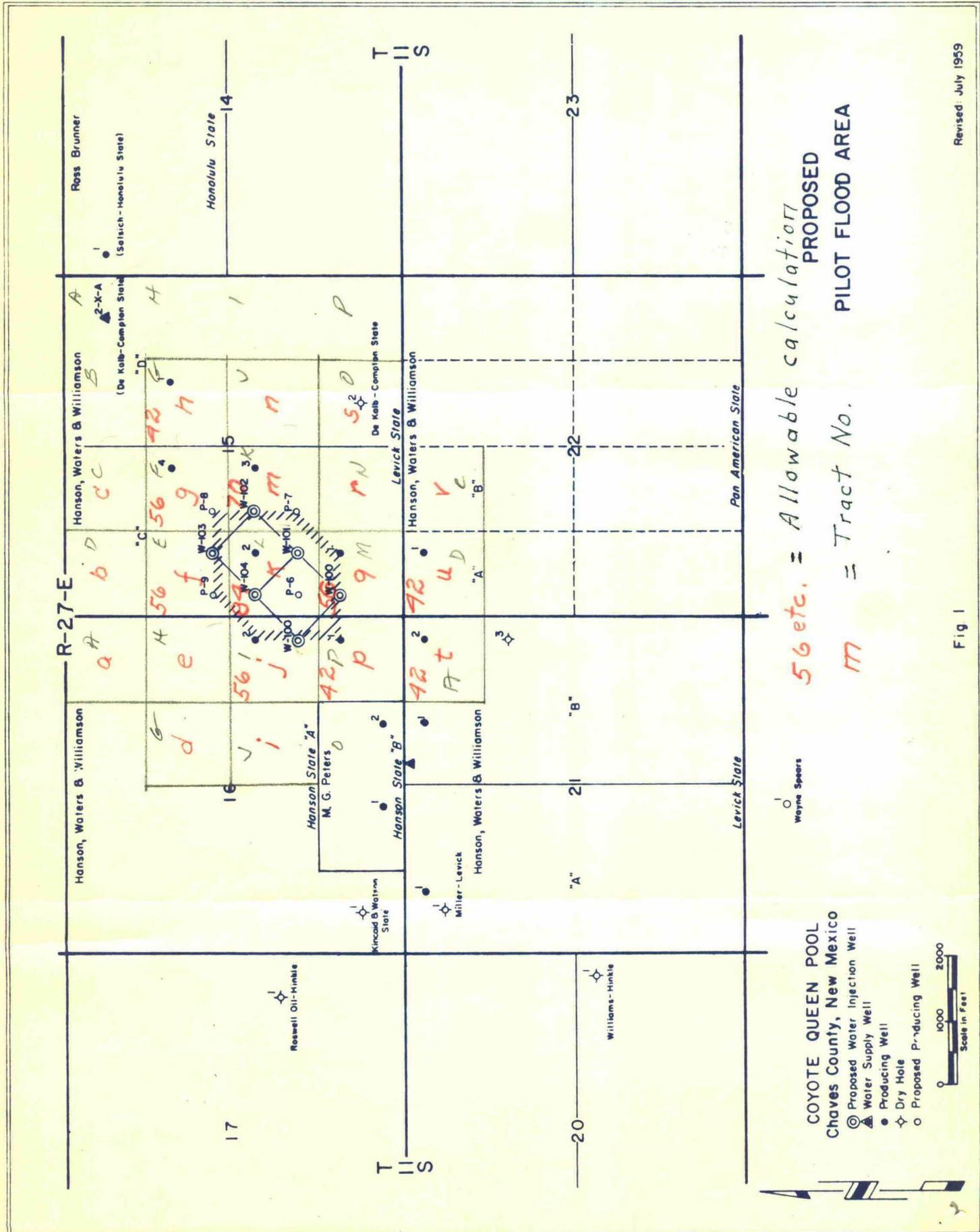
SILICA 3

IRON 5

IRON (Total) 500

TOTAL DISSOLVED SOLIDS (Calculated) 238,400

N.D. - Not determined.



56 etc. = Allowable calculation
 M = Tract No.

PROPOSED
 PILOT FLOOD AREA

- COYOTE QUEEN POOL**
 Chaves County, New Mexico
- ⊙ Proposed Water Injection Well
 - ▲ Water Supply Well
 - Producing Well
 - ◇ Dry Hole
 - Proposed Producing Well



Fig 1