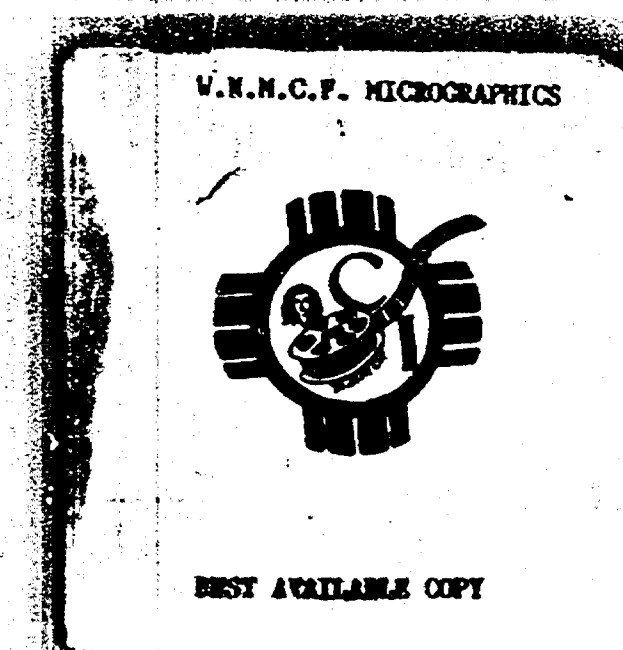
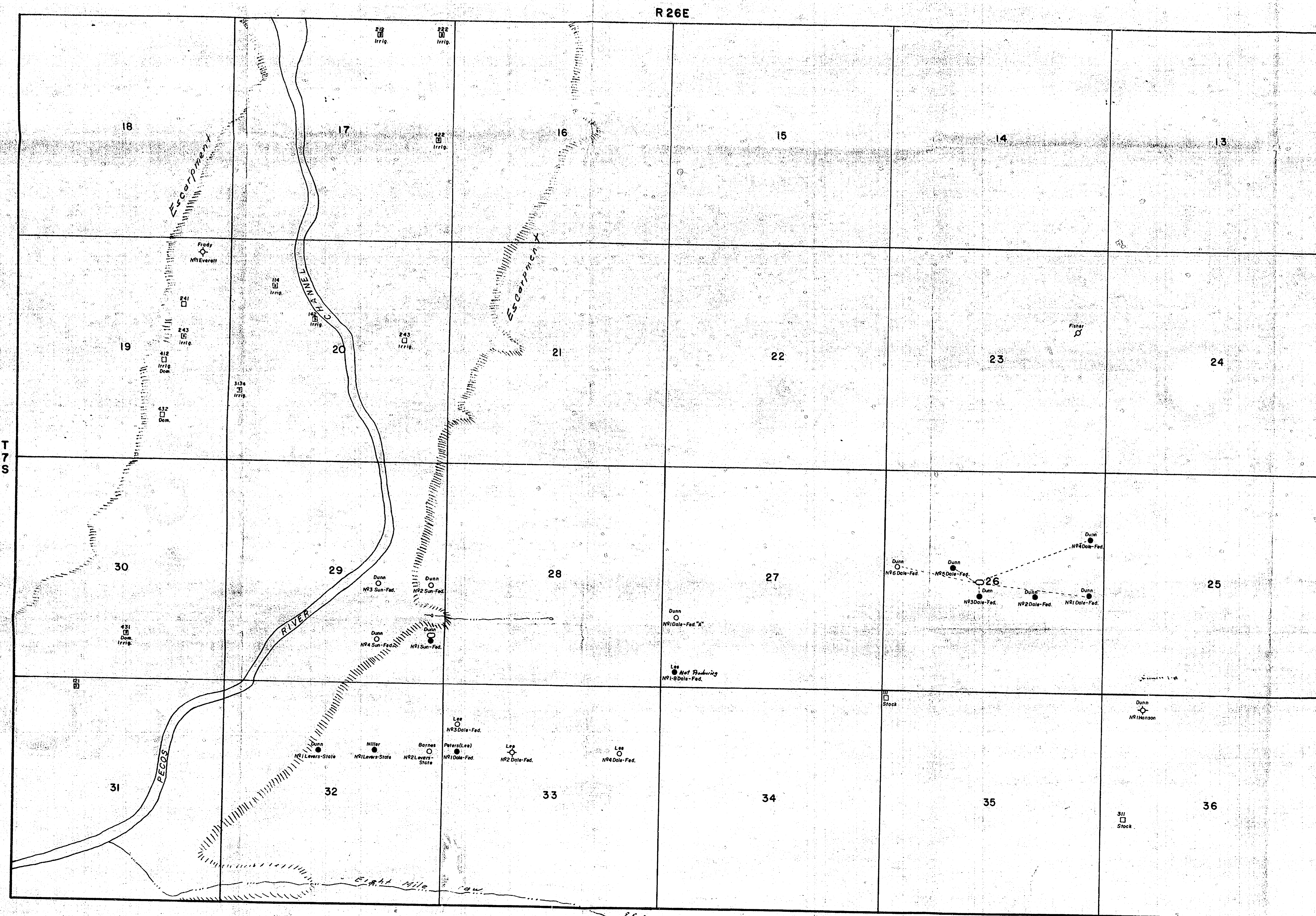


Case No:

3120

Large
Exhibits





OIL WELLS AND BRINE DISPOSAL PITS IN THE PECOS SAN ANDRES FIELD AND AN UNDESIGNATED SAN ANDRES FIELD,
CHAVES COUNTY, NEW MEXICO

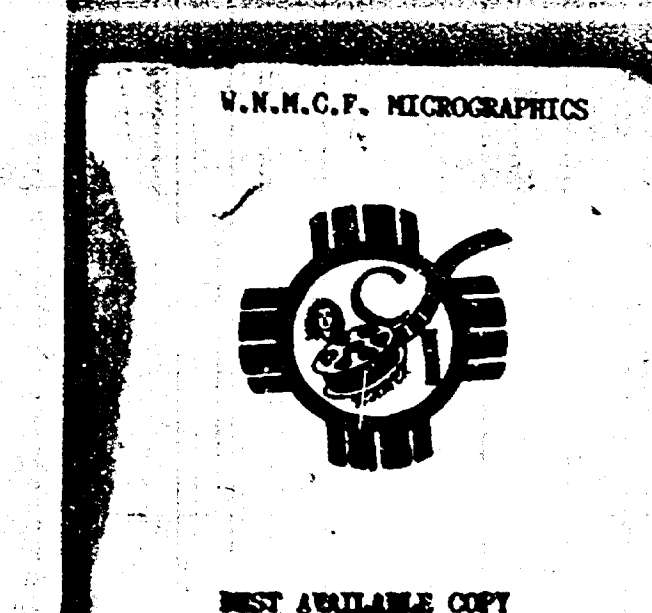
SEPTEMBER 30, 1964

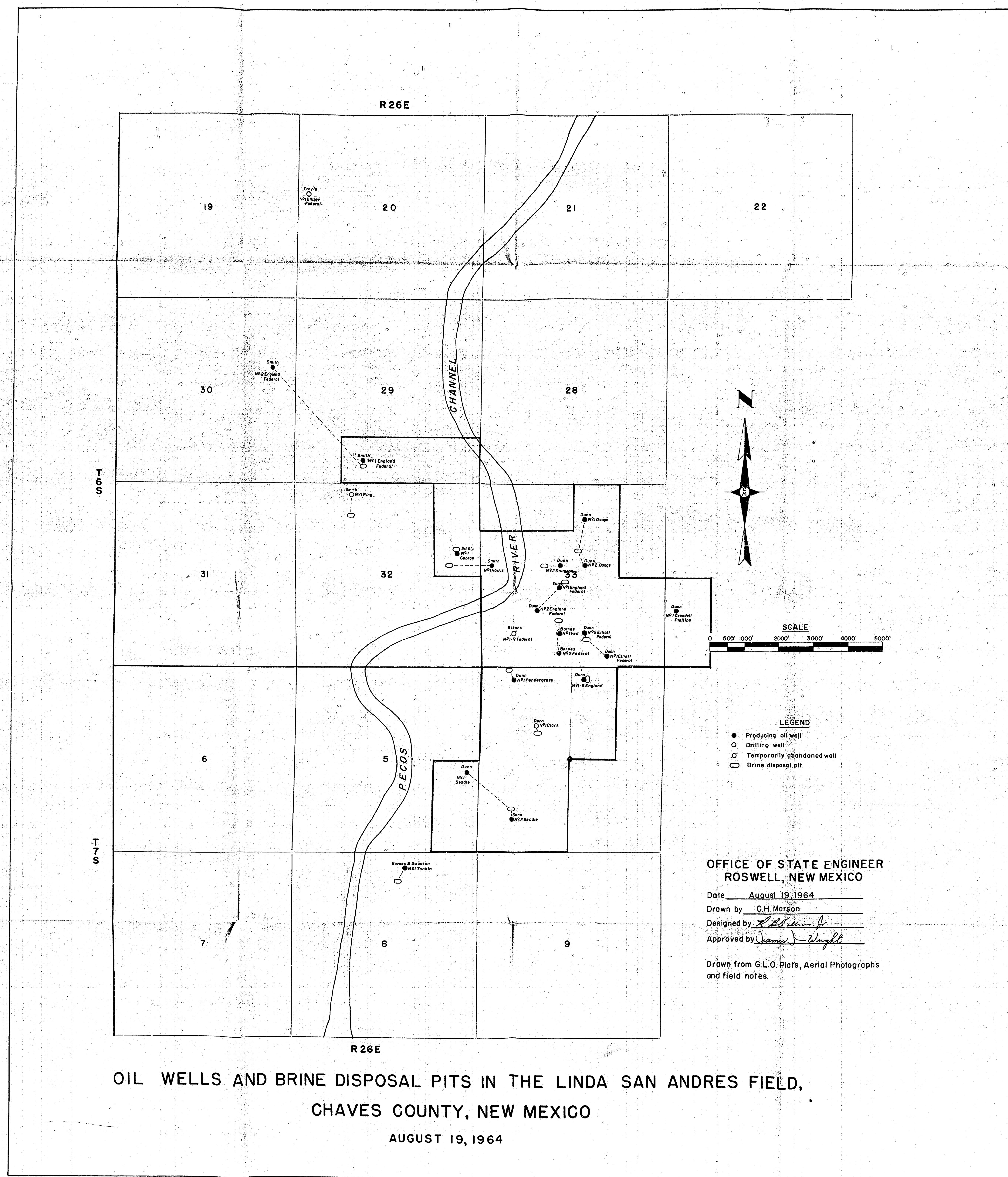
OFFICE OF STATE ENGINEER
ROSWELL, NEW MEXICO

Date October 6, 1964

Drawn by C.H. Marson

BEFORE EXAMINER NUTTER
CONSERVATION COMMISSION
EXHIBIT NO. 5
CASE 11-22

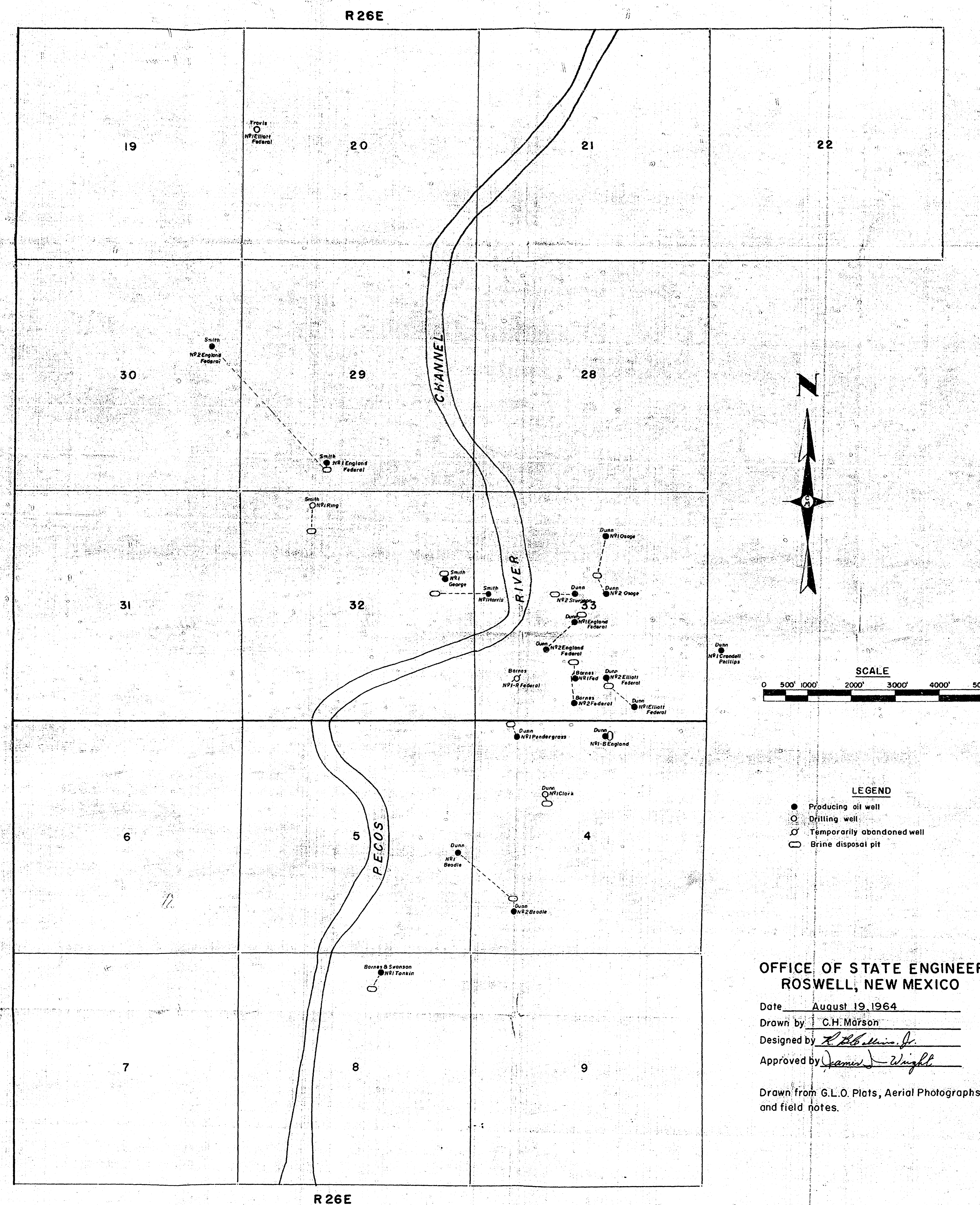




OIL WELLS AND BRINE DISPOSAL PITS IN THE LINDA SAN ANDRES FIELD,
CHAVES COUNTY, NEW MEXICO

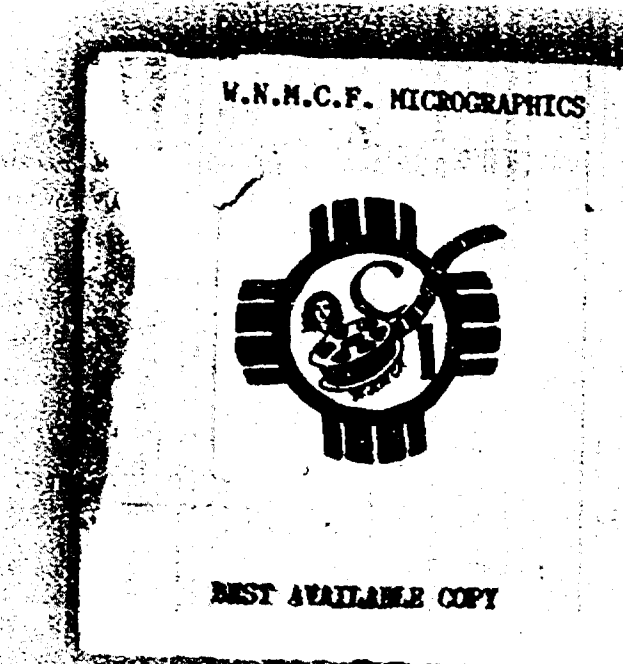
AUGUST 19, 1964

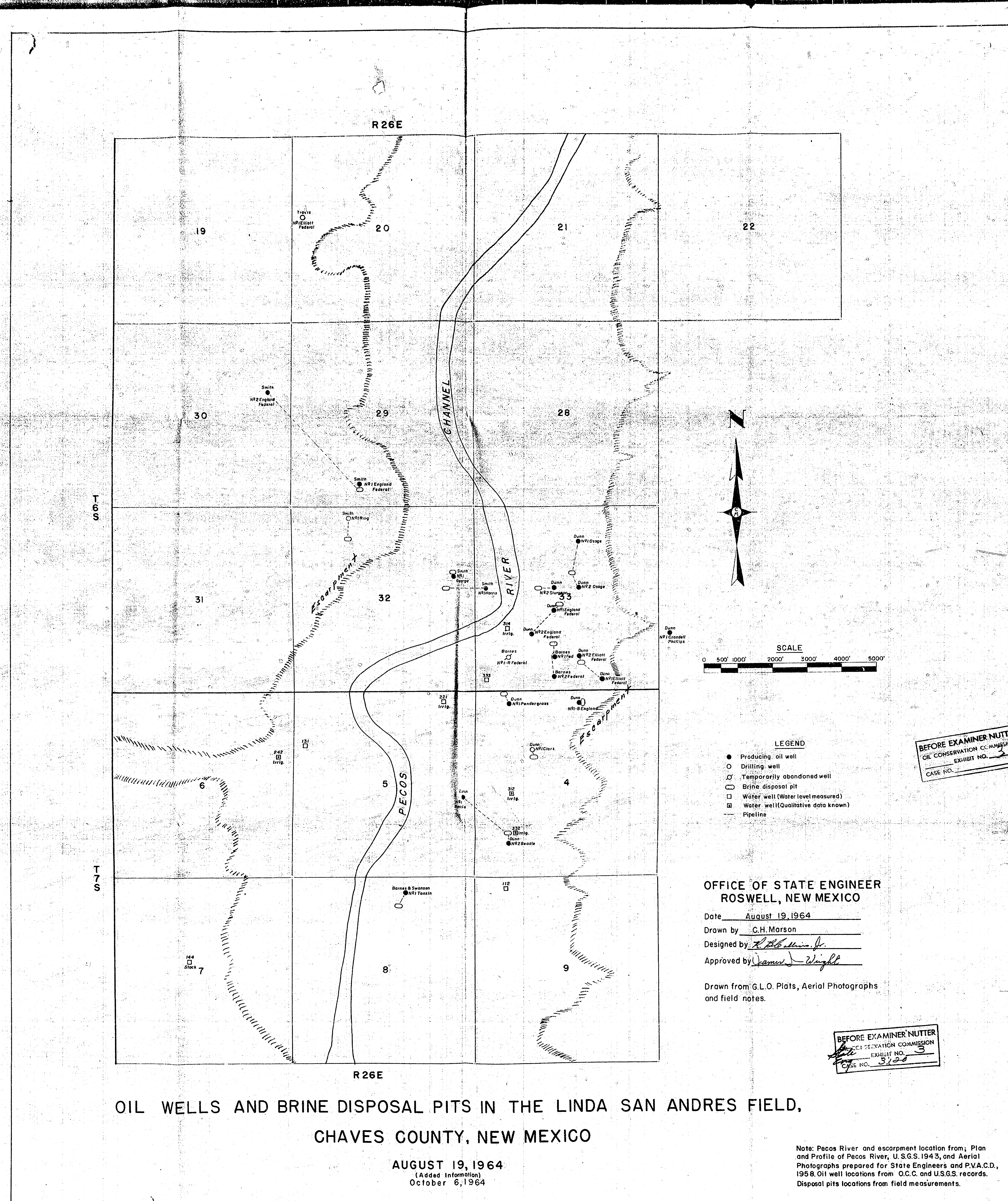




OIL WELLS AND BRINE DISPOSAL PITS IN THE LINDA SAN ANDRES FIELD,
CHAVES COUNTY, NEW MEXICO

AUGUST 19, 1964





RIO GRANDE BASIN--continued
PECOE RIVER SUBSAIN INVESTIGATIONS--Continued
Alamogordo Dam to Azusa, N. Mex.

A series of discharge measurements were made May 22, 1950, to study gains and losses on the Pecos River from the gaging station "below Alamogordo Dam" to the gaging station "near Azusa." Particular note was made of the diversion from this reach during the period of this investigation. All known tributaries were measured. Samples were collected for chemical analysis at each measuring site.

River mile locations were obtained from the U. S. Geological Survey Plan and Profile of the Pecos River, Lake Maricopa to Pecos, N. Mex., 1947.

Previous sewage investigations of this reach were made in January 1950, June 1950, and November 1950. Results are published in the report of the WFO or State Report.

(seasonal records, subject to revision.)

Chemical analyses, in parts per million, water year October 1950 to September 1951

Date	Stream or diversion	Location	Discharge in cubic feet per second	Water temperature (°F)	Salinity (ppt)	Hardness as CaCO ₃ (ppm)	Specific conductance (microhm/cm at 25°C)	pH
May 22, 1950	Pecos River	Loc. 1, sec. 1, T. 1 S., R. 24 E., below Alamogordo Dam (regular gaging station). River mile 210.5	75.6	125			1,760	7.8
"	Arroyo Salado	Loc. 2, sec. 12, T. 4 S., R. 24 E., at mouth. River mile 207.5	.04	211			3,750	7.4
"	Pecos River	Loc. 3, sec. 12, T. 4 S., R. 24 E., below mouth of Arroyo Salado. River mile 205.5	73.6	125			1,780	7.4
"	Pt. Sumner main canal	Loc. 4, sec. 12, T. 3 S., R. 25 E., 0.4 mile below diversion dam (regular gaging station). River mile 195.7	74.0	120			1,850	7.1
"	Pecos River	Loc. 5, sec. 12, T. 3 S., R. 25 E., River mile 195.4	.12	154			1,900	7.5
"	do.	Loc. 6, sec. 12, T. 3 S., R. 25 E., at Pt. Sumner. River mile 190.7	.10	147			2,240	7.8
"	Sewer outlet	Loc. 7, sec. 12, T. 3 S., R. 25 E., at mouth. River mile 187.1	.05	456			2,840	7.5
"	Pecos River	Loc. 8, sec. 12, T. 2 S., R. 25 E., River mile 186.8	5.53	287			2,970	7.5
"	Middle drain	Loc. 9, sec. 12, T. 2 S., R. 25 E., at mouth. River mile 181.7	18.5	265			2,710	7.8
"	Lower drain	Loc. 10, sec. 12, T. 2 S., R. 25 E., at mouth. River mile 176.8	4.41	255			3,070	7.5
"	Pecos River	Loc. 11, sec. 12, T. 2 S., R. 25 E., below Pt. Sumner (regular gaging station). River mile 176.0	27.8	209			3,080	7.8
"	do.	do.	15.0	215			2,790	7.4
"	do.	do.	14.5	211			2,750	7.5
"	do.	Loc. 12, sec. 17, T. 1 S., R. 24 E., below Arroyo Verde. River mile 165.0	22.5	171			4,190	7.3
"	do.	Loc. 13, sec. 17, T. 2 S., R. 25 E., above Comajas Creek. River mile 156.6	22.5	158			4,190	7.3
"	Comajas Creek	Loc. 14, sec. 17, T. 2 S., R. 25 E., at mouth. River mile 154.1	.01	149			5,800	6.9
"	Pecos River	Loc. 15, sec. 17, T. 2 S., R. 25 E., below Comajas Creek. River mile 155.9	21.4	158			4,190	7.5
"	do.	Loc. 16, sec. 12, T. 2 S., R. 25 E., below Cedar Creek. River mile 152.8	19.5	142			4,890	7.2
"	do.	Loc. 17, sec. 10, T. 3 S., R. 25 E., above Arroyo de la Luna. River mile 140.5	16.0	137			4,460	7.3
"	Arroyo de la Luna	Loc. 18, sec. 3, T. 3 S., R. 24 E., at road crossing 6 miles above mouth. River mile 134.1	.04	85			4,710	6.8
"	Pecos River	Loc. 19, sec. 10, T. 3 S., R. 25 E., above Uyle Draw. River mile 135.0	14.2	144			4,670	7.1
"	do.	Loc. 20, sec. 14, T. 4 S., R. 25 E., above Hernandez Draw. River mile 135.0	11.2	126			4,740	7.5
"	do.	Loc. 21, sec. 36, T. 4 S., R. 25 E., at Benedict's pump. River mile 126.5	10.8	122			4,520	7.5
"	do.	Loc. 22, sec. 14, T. 5 S., R. 25 E., above Higgins Creek. River mile 124.6	9.74	126			4,100	7.0
"	do.	Loc. 23, sec. 9, T. 6 S., R. 26 E., below Crockett Draw. River mile 118.0	10.5	125			5,340	7.3
"	do.	Loc. 24, sec. 35, T. 6 S., R. 26 E., below Roques Draw. River mile 113.0	11.0	125			5,310	7.3
"	do.	Loc. 25, sec. 5, T. 7 S., R. 26 E., above Five Mile Draw. River mile 111.0	9.54	120			5,680	7.6
"	do.	Loc. 26, sec. 29, T. 7 S., R. 26 E., at Transwestern pipeline crossing. River mile 106.6	6.89	115			5,450	7.3
"	do.	Loc. 27, sec. 1, T. 8 S., R. 25 E., at El Paso pipeline crossing. River mile 102.9	7.04	105			5,160	7.4
"	do.	Loc. 28, sec. 55, T. 8 S., R. 25 E., above Arroyo Atascadero. River mile 97.6	6.91	101			5,690	7.5
"	do.	Loc. 29, sec. 14, T. 9 S., R. 25 E., near Azusa (regular gaging station). River mile 94.0	7.56	100			5,900	7.1

(seasonal records, subject to revision.)



