

GAMMA RAY API UNITS	DEPTHS	1250	RESISTIVITY ohms. m ² /m	RESISTIVITY ohms. m ² /m
		625		
500	500	312		
250	250	150		
100	100	50		
50	50	0		
0	0			

COMPANY HILL AND MEEKER

WELL T P STATE 22 1

FIELD S CROSSROADS DEV.

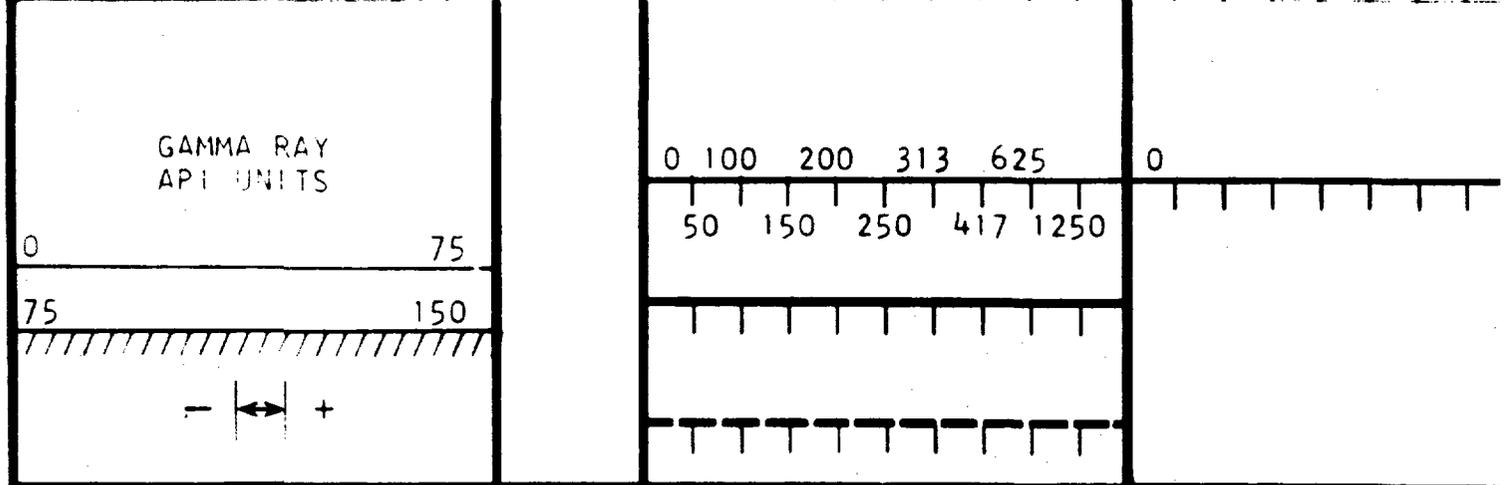
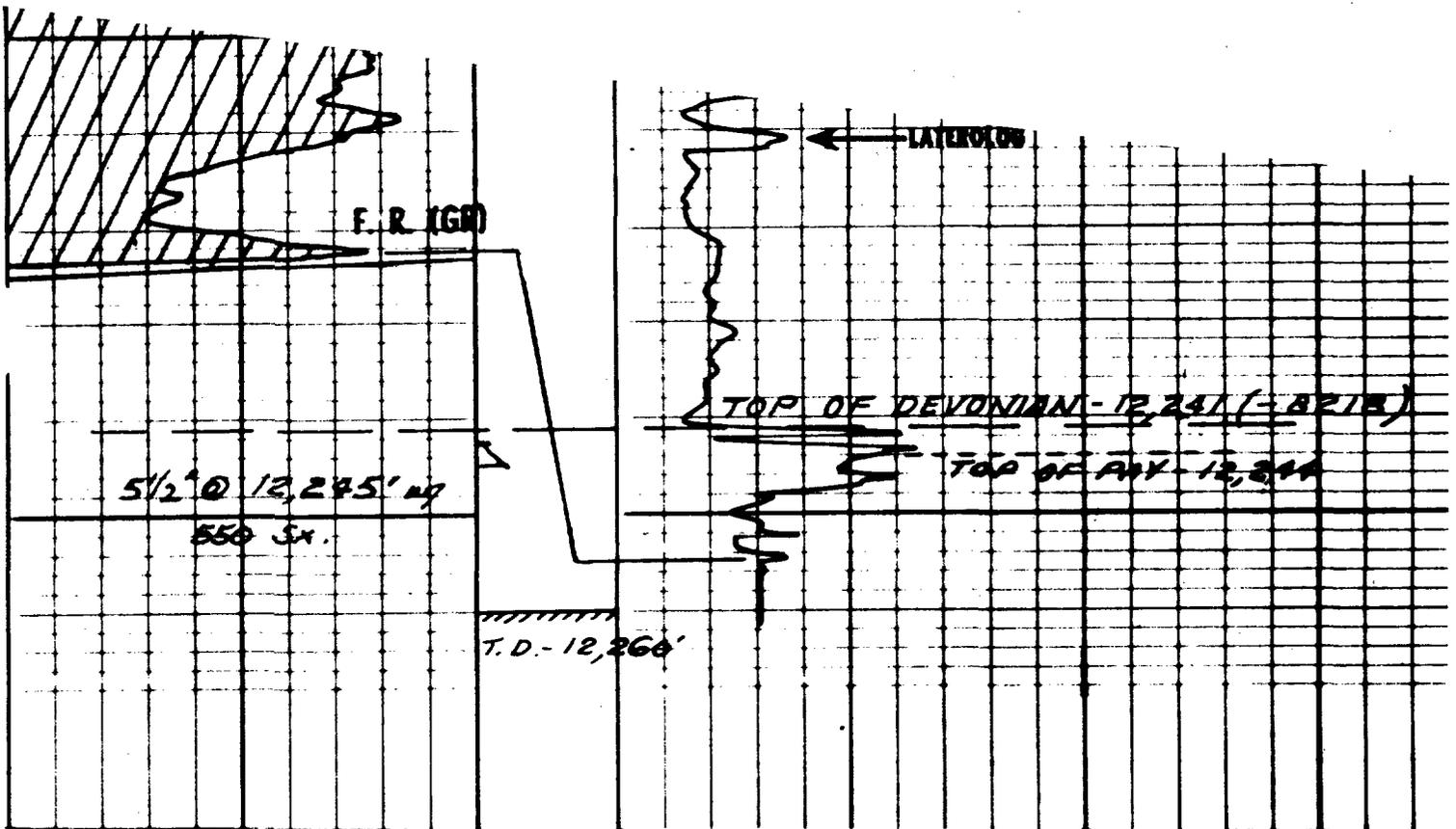
COUNTY LEA STATE NEW MEXICO

Rm 0.063 @ 165 °F
 Rmf 0.082 @ 80 °F
 Rmc 0.21 @ 80 °F
 BHT 65 °F

SWSC FR 12255
 SWSC TD 12260
 DRLR TD 12259
 Elev:

KB 4029
 DF 4027
 GL 4023

Exhibit #5



SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms. m ² /m	RESISTIVITY ohms. m ² /m
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COMPANY	HILL AND MEEKER	Rm	.137 @ 72 °F	SWSC FR	1
WELL	SANTA FE 1-22	Rmf	.085 @ 72 °F	SWSC TD	1
FIELD	SOUTH CROSSROADS	Rmc	.198 @ 72 °F	DRLR TD	1
COUNTY	LEA	BHT	168 F	Elev:	
STATE	NEW MEXICO			KB	41
				DF	41
				GL	41

Exhibit #4

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. 2594
Order No. R-2284

APPLICATION OF HILL & MEEKER
FOR SPECIAL RULES AND REGULA-
TIONS FOR THE SOUTH CROSSROADS-
DEVONIAN POOL, LEA COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on June 28, 1962, at Santa Fe, New Mexico, before Elvis A. Utz, 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 17th day of July, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, 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, Hill & Meeker, seeks the promulgation of special rules and regulations for the South Crossroads-Devonian Pool, Lea County, New Mexico, including a provision for 80-acre oil proration units.
- (3) That the evidence presented at the hearing of this case establishes that the South Crossroads-Devonian Pool can be efficiently and economically drained and developed on 80-acre proration units.

IT IS THEREFORE ORDERED:

- (1) That Special Rules and Regulations for the South Crossroads-Devonian Pool are hereby promulgated as follows, effective August 1, 1962.

**SPECIAL RULES AND REGULATIONS
FOR THE SOUTH CROSSROADS-DEVONIAN POOL**

RULE 1. Each well completed or recompleted in the South Crossroads-Devonian Pool or in the Devonian formation within one mile of the South Crossroads-Devonian Pool, and not nearer to nor within the limits of another designated Devonian oil pool, shall be spaced, drilled, operated, and prorated in accordance with the Special Rules and Regulations hereinafter set forth.

RULE 2. Each well completed or recompleted in the South Crossroads-Devonian Pool shall be located on a unit containing approximately 80 acres, which consists of any two contiguous quarter-quarter sections of a single governmental quarter section. For purposes of these Rules, a unit consisting of between 79 and 81 surface contiguous acres shall be considered a standard unit.

RULE 3. Each well projected to or completed in the South Crossroads-Devonian Pool shall be located within 150 feet of the center of either quarter-quarter section in the 80-acre unit; 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 80-acre unit.

RULE 4. For good cause shown, the Secretary-Director may grant an exception to Rule 2 without notice and hearing where an application has been filed in due form, and where the unorthodox size or shape of the tract is due to a variation in the legal subdivision of the United States Public Lands Survey, or where the following facts exist and the following provisions are complied with:

- (1) The non-standard unit is to consist of a single quarter-quarter section or lot.
- (2) The non-standard unit consists of not more than 81 acres.
- (3) The entire non-standard unit may reasonably be presumed to be productive of oil from said pool.
- (4) The applicant presents written consent in the form of waivers from all offset operators.
- (5) In lieu of Paragraph 4 of this Rule, the applicant may furnish proof of the fact that all of the offset operators were notified of his intent to form such non-standard unit. The Secretary-Director may approve the application if, after a period of 30 days, no such operator has entered an objection to the formation of the non-standard unit.

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CASE No. 2594
Order No. R-2284

RULE 5. An 80-acre proration unit (79 through 81 acres) in the South Crossroads-Devonian Pool shall be assigned an 80-acre proportional factor of 7.75 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 said wells in any proportion.

(2) 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



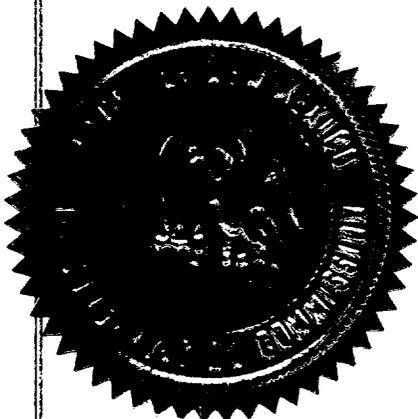
EDWIN L. MECHEM, Chairman



E. S. WALKER, Member



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



esr/