

RAILROAD COMMISSION OF TEXAS

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OIL AND GAS DIVISION



AUSTIN, TEXAS

June 19, 1969

ARTHUR H. BARBECK

Chief Engineer

MEMORANDUM TO THE COMMISSION:

Docket No. 6-59,401

IN RE:

East Texas Salt Water Disposal  
Company to drill and use two wells  
for salt water disposal in the  
EAST TEXAS FIELD, Gregg County, Texas

DATE OF HEARING:

June 11, 1969

APPEARANCES:

James Lauderdale and Leo Walker for  
the applicant

The applicant proposes to drill its No. 2 Hamon well 947 feet north of the south line of the G. P. Penn Survey, 7 miles northwest of Kilgore in Gregg County at a location 100 feet out of the southwest corner of a 5 acre lease. Applicant also plans to drill and use its No. 3 F. A. Laurence well in the W. M. Avery Survey, 3 miles southwest of Gladewater, Gregg County, Texas, 77 feet from the east line of the lease and survey and 380 feet from the south line of the 9.5 acre lease adjacent to state highway 135.

There are no offset operators to the No. 2 Hamon well, and the nearest producing oil well is located more than one mile distant. The No. 2 Hamon well will provide needed injection capacity for the Hamon Treating Plant which currently is connected to 188 wells processing 14,674 barrels of salt water daily. The Hamon Plant is served by three disposal wells two of which are not expected to last very much longer. Upon completion of the No. 2 Hamon disposal well, one of the older disposal wells will be abandoned.

The No. 3 F. A. Laurence well is offset by a producing oil well 1750 feet east, and the operator of the oil well was given notice of the subject hearing but did not appear. The No. 3 Laurence well will provide needed reserve injection capacity for the Laurence Treating Plant which is connected to 103 wells and processes 12,207 barrels of water daily. The plant is served by only one disposal well, and on peak days this well operates at capacity. In the event of a mechanical failure, disposal service at the Laurence Plant would have to be discontinued until repairs can be made. Mr. Walker testified that a 15" hole would be drilled to 1150 feet and 10 3/4" surface casing would be set at a depth to protect all surface sands expected to a depth of 1100 feet. The surface casing will be cemented with 600 sacks of cement and a 9 7/8" hole

will be drilled to -3320 feet when the hole size is to be reduced to 6". An electric log will be run and a casing seat will be selected with approval of the Railroad Commission's District Office. If necessary, the 6" hole will be reamed to the casing seat and 7" casing will be run to the selected point and cemented with 250 sacks of cement to obtain at least 600 feet of cement behind pipe. Inhibited drilled mud will be left behind pipe above the cement. The 7" casing will be pressure tested to 1000 psi, and then the well will be drilled out and swabbed until clean prior to connection for injection service.

Mr. Walker testified that the use of these two wells will not cause damage to any oil wells in the East Texas Field, and their approval will insure uninterrupted disposal service to the leases connected to the Hamon and Laurence Treating Plants. There was no protest to this application, and we recommend that it be approved.

Respectfully submitted,





Billy D. Thomas  
Senior Staff Geologist


BDT:mw

RECOMMENDATION APPROVED:

RECOMMENDATION DENIED:

 Chief Engineer \_\_\_\_\_

 Chairman \_\_\_\_\_

 Commissioner \_\_\_\_\_

\_\_\_\_\_  
Commissioner \_\_\_\_\_

DCA 7-1-69

EFFECTIVE \_\_\_\_\_