Inventory No.: OK9108

ROC		PHONE CALL		CONFERENCE	DATE: 9/29/08
	X	DISCUSSION		FYI	TIME: 8:00 am

TO: FILE FROM: Bill Hurlbut

SUBJECT: Recommendation for permit #06SOKP1P9108 for well Marco #4, NE/4, Sec. 18, T19N, R06E, Payne Co., OK for Taylor International, Inc.

PERMIT REQUEST: The operator has requested to convert this well to a salt water disposal injection well in the Oswego formation. The well had previously been an enhanced oil recovery well that was authorized by rule completed in the Skinner formation but a plug was set at 2900’ and the well was perforated in the Oswego formation 2756’ to 2800’. The operator needs this well to dispose of the water from his surrounding oil production.

STATS: The well was drilled and completed in 2/16/82, to a T.D. of 3482’. The well has 4 1/2" casing set at 3482’ and cemented with 300 sacks of cement to 1926’. It then has 8 5/8" surface casing set at 530’ and cemented to the surface with 400 sacks of cement. The base of the treatable water in this area is 400 feet taken from well permit OK0163, the Ceasar #4, in the NE/4, Sec. 18, 19N 06E. The fluid level on this well was shot and was at 1102’ below ground level which yields a reservoir pressure of 787 psi. The permeability was estimated at 2.7 md and the porosity was 6.8%. Plugging these values into the ZEI program - K = 2.7 md, por. = 6.8%, reservoir pressure of 787 psig, and a zone thickness of 49 feet, with a maximum injection rate of 100 bpd yields an REI of 202 feet.

FLUID STATS: The fluid level was shot by the operator, and was found to be at 1102' below the ground level.

RECOMMENDATION: The permit will allow the operator to inject 3000 bpm at an injection pressure of 400 psig. Operating at the maximum injection rate and injection pressure, the well will not endanger the USDW.