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Memorandum

From: Steve Willis
To: Wayne Miller
Date: June 3, 2016
Subject: Site visit to observe EBR well drilling activities at Former Williams AFB Site ST012.

Wayne:

This memo summarizes my visit to Site ST012 conducted on June 2, 2016. The purpose of the site visit was to monitor drilling and well installation activities and record my observations.

I arrived at the site at approximately 7:45 am and signed in at the office trailer. I then proceeded to the active drill site on the Army facility west of site ST012. YJD had reached a depth of 228′ in well LSZ49 at the close of yesterday's drilling, and extended the borehole to 236′ this morning. According to Kyle Keegan, there was no indication of contamination in the drill cuttings recovered between 228′ and 236′, and a dye test on cuttings in the 228′ – 230′ interval was negative. I checked the cuttings and confirmed they did not contain any hydrocarbon odors. I also checked the dye test and confirmed the negative result (photo 1). Kyle stated that the borehole would be backfilled to 229′ and the well would be screened from 214′ – 229′.

I then moved to well LSZ43 north of Ulysses Avenue. Drilling was previously halted in this well at a depth of approximately 204′ due to steam rising through the Rotosonic casing. Drilling resumed this morning after YJD acquired proper safety equipment. The boring was drilled to 226′. Due to high heat, recovered cuttings were discharged directly from the Rotosonic core barrel into a waste bin, with the exception of the lowermost 1′ – 2′ of cuttings, which were discharged to a metal bucket to allow visual examination. As a result, only the lowermost cuttings could be checked for contamination. Those cuttings did not exhibit evidence of contamination, and a dye test was negative. Previous observations from this borehole included slight hydrocarbon odors in cuttings above 196′, and negative dye tests at 160′ and 180′. Kyle stated this well would be screened in the LSZ from 210′ – 226′.

Following this, I moved to the site of well LSZ46 on the east side of Sossaman Rd. This well is located approximately 120′ south of well LSZ37. Drilling was halted at 100′ while the drillers took their lunch break. After lunch, drilling continued to 150′. Cuttings to this depth did not show any indications of contamination, and the 150′ interval did not show evidence of being in water.

I left the site at approximately 3:40 pm.

Please contact me if you have comments or questions regarding this memo.

Thank you,

SITE PHOTOS

Photo 1. Well LSZ49. Negative dye test in cuttings at 229'

Photo 2. Drilling well LSZ46 on the east side of Sossaman Rd., south of perimeter well W37.