



TECHNICAL MEMORANDUM

TO: Adell Heneghan, P.E., Marathon Oil Company **DATE:** July 10, 2008
FR: Randy March, P.E., P.G., Golder Associates Inc. **OUR REF:** 083-81544A.0001
RE: **ADDENDUM TO PHASE I SITE INVESTIGATION WORK PLAN – PRATHER
SPRING INVESTIGATION**

This document is issued as an Addendum to the above-referenced work plan, which was submitted to the Colorado Oil and Gas Conservation Commission (COGCC) on July 7, 2008. Companies involved in the Prather Spring investigation propose that the investigative scope of work be expanded to include water quality sampling at the following locations.

1. **Prather Spring** (located approximately 0.25-miles upstream from Ned Prather's hunting cabin)
2. **Ned Prather's Cabin** (samples will be collected from the kitchen faucet, and will be indicative of the potable water provided to the cabin from the recently installed water tank)
3. **Spring #2** (located south and west of Ned Prather's cabin)
4. **Dick Prather's Cabin** (this faucet is fed by a third spring)
5. **Stock Pond** (located immediately downstream from Ned Prather's cabin)
6. **Stock Pond Discharge** (downstream from the Stock Pond at the road crossing)
7. **Stock Tank** (piping to this tank is fed by a fourth spring located north of Ned Prather's cabin)
8. **Prather Stream Upgradient** (the stream will be sampled between the Prather Spring and Ned Prather's cabin)
9. **Prather Stream Downgradient** (the stream will be sampled between the Stock Pond and Dick Prather's Cabin)
10. **McKay Gulch** (the stream will be sampled downstream from Dick Prather's cabin)

The intent of this supplemental sampling program is to allow evaluation of water quality trends, with the ultimate objective of protecting human health and the environment. To this end, these locations

TECHNICAL MEMORANDUM

Marathon Oil Company
Adell Heneghan

-2-

July 10, 2008
083-81544A

will be sampled twice weekly for volatile organic compounds (VOCs) using USEPA SW846 Method 8260. This VOC water quality sampling program will continue for four weeks or until the source of contamination is determined, whichever occurs first. Subsequent sampling would be as agreed upon by COGCC following source determination or after four weeks of sampling.

This supplemental sampling program will be implemented in accordance with investigative elements described in the work plan, including the following:

- Field QA/QC sampling, as described in Section 2.3;
- Equipment decontamination, as described in Section 2.6;
- Analytical laboratory testing, as described in Section 3.0;
- Analytical methods, as described in Section 3.1;
- Laboratory coordination, as described in Section 3.2;
- Data deliverables, as described in Section 3.3; and
- Data management, as described in Section 3.4.

It is proposed that this supplemental water quality sampling program be initiated the week of July 14, 2008, and that the resulting analyses be submitted to COGCC weekly.