## R. T. HICKS CONSULTANTS, LTD.

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November 19, 2015

Ms. Heather Patterson NMOCD District 2 811 S. First Street Artesia, New Mexico 88210 Via Email and US Mail

RE: Murchison – Polar Bear St. Com #4H Release, initial C-141 form Unit H, Section 1, T17S, R28E, Eddy County, API# 30-015-40130

## Dear Ms. Patterson:

On behalf of Murchison Oil and Gas, R.T Hicks Consultants submits the attached initial C-141 form for the above-referenced release. At 10:00 am on November 11, a leak was discovered in a hose on a circulating pump (shown in adjacent photograph) at the above-referenced battery. Approximately 66 barrels of oil were released into the bermed secondary containment. Fluid escaped the secondary containment via a breach of the liner at the base of the berm, affecting approximately 290 ft<sup>2</sup> of the facility location outside the berm. A vacuum truck was immediately dispatched and recovered 42 barrels of fluid the same day and then returned the next day and recovered 3 barrels more that settled from the gravel inside the berms.

The hose has been replaced and the affected gravel in the berms has been removed to expose the breach in the plastic liner so it can be repaired or replaced. After standing fluid was removed from the affected surface of the location, staining



11/11/2015 Oil in secondary containment

was observed to penetrate a maximum depth of 2 inches. This material was removed from the site on November 13. Chloride field tests were conducted on samples from two areas of the affected surface where fluid accumulated during the release. Both samples were from 2 inches below the pad surface and yielded 221 and 68 mg/kg concentrations, confirming that affected materials do not remain below the excavation.

Hicks Consultants submitted an application for a temporary pit at this location which was approved by the District on May 10, 2012. The application included comprehensive data on area water wells, groundwater, and surface water. Field observations confirm that no new wells were observed in the vicinity.

A final C-141 form will be submitted to the District with documentation of the final deposition of the excavated material from this release along with current photographs. Please contact me with any questions regarding this submission.

Regards,

R.T. Hicks Consultants

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221 mg/kg Cl

11/12/2015 Affected surface of location, outside of berms; sample locations

Copy: Murchison Oil & Gas, State Land Office (Amber Groves)

Enclosure: initial C-141 form, figures (April 2012)

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico **Energy Minerals and Natural Resources**

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

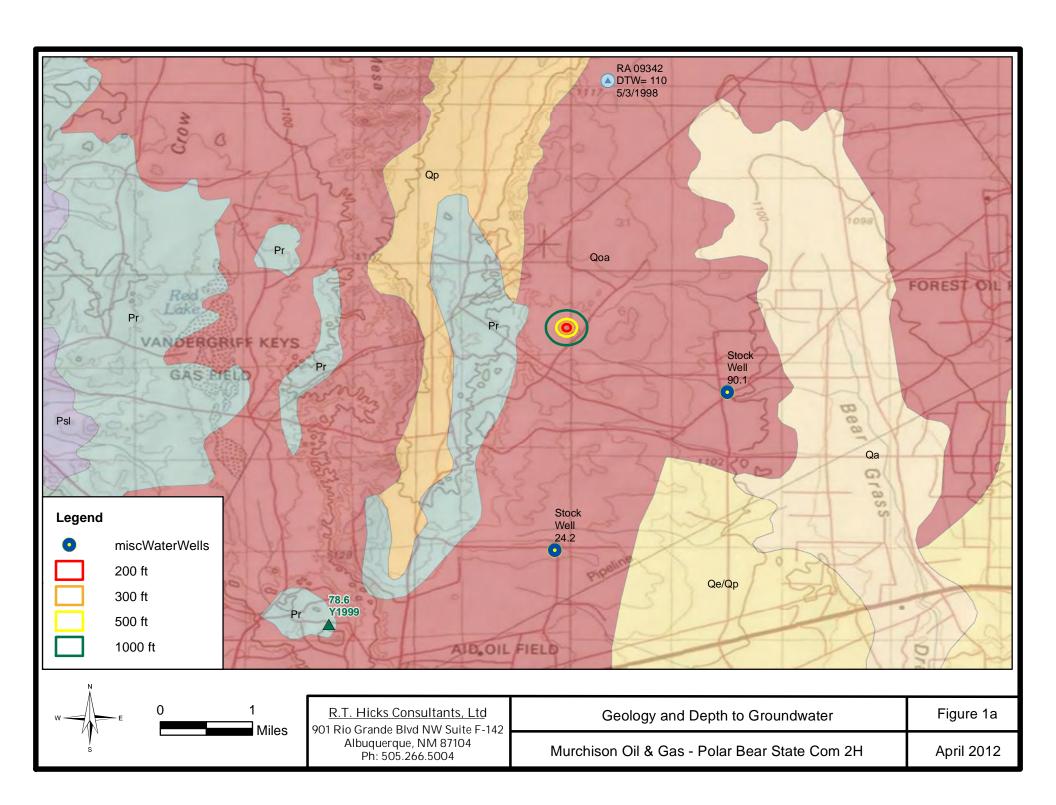
Form C-141

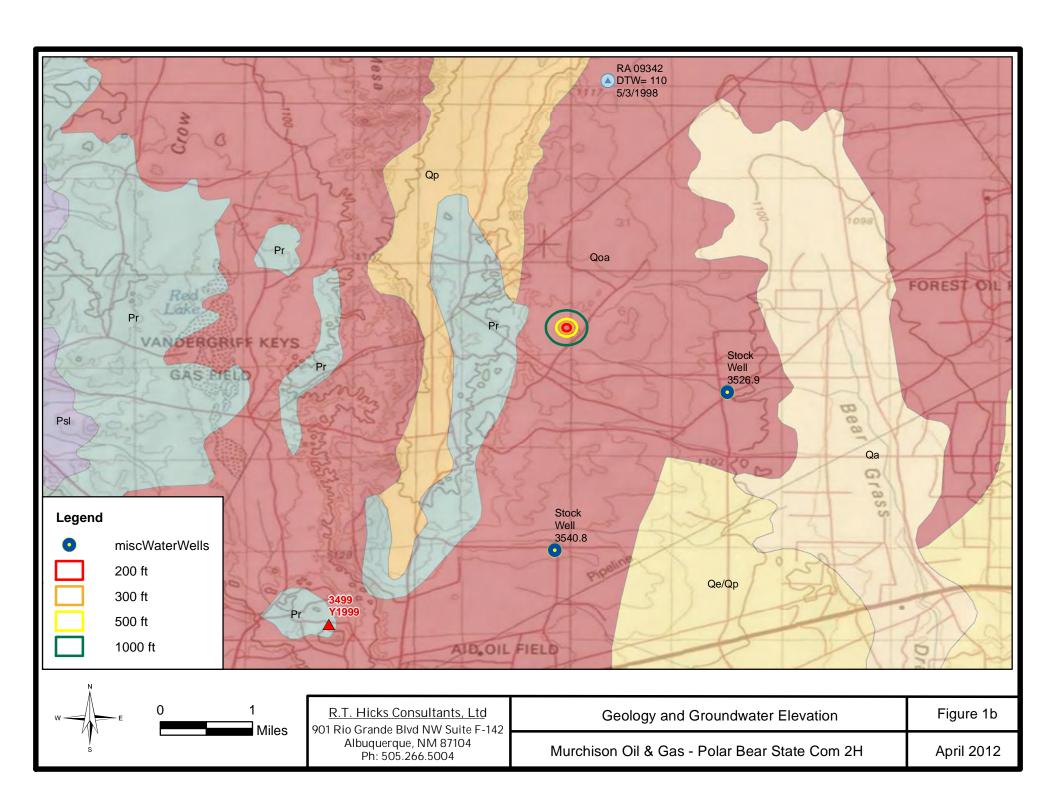
Revised August 8, 2011

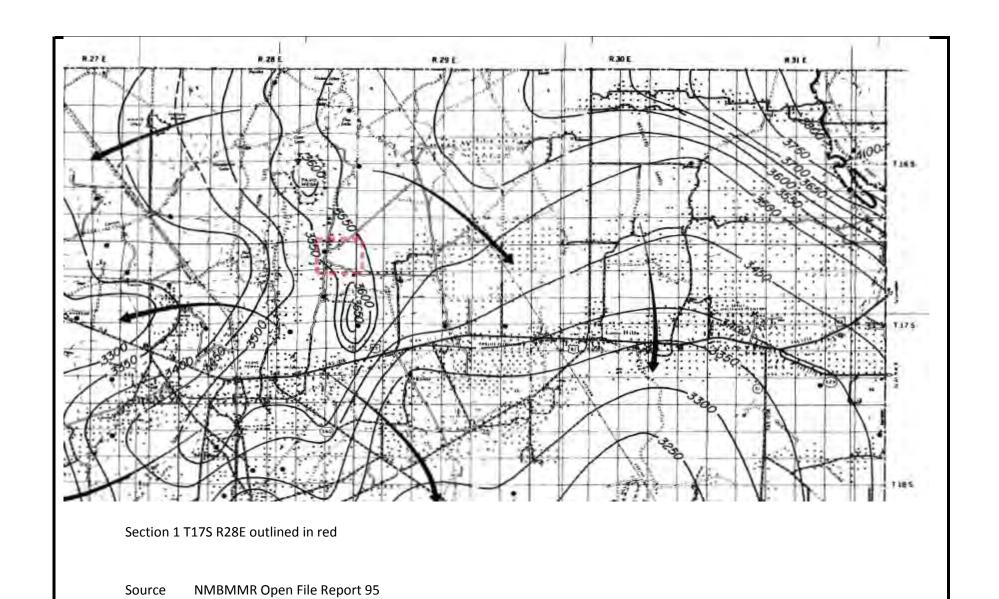
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

## **Release Notification and Corrective Action OPERATOR** Initial Report Final Report Name of Company Murchison Oil & Gas, Inc. Greg Boans Contact 7250 Dallas Parkway, Suite 1400, Plano, TX 75024 (575) 628-3932 Address Telephone No. Polar Bear St. Com #4H Facility Name Facility Type **Production Battery** State of New Mexico | Mineral Owner API No. 30-015-40130 Surface Owner LOCATION OF RELEASE Feet from the Unit Letter Section Township Range North/South Line Feet from the East/West Line County 28E Η 17S 2260 North 150 East Eddv **Longitude** 104° 7'19.60"W Latitude 32°51'58.50"N NATURE OF RELEASE Type of Release Volume of Release Volume Recovered 45 bbls Source of Release Date and Hour of Occurrence Date and Hour of Discovery Hose on circulating pump 11/11/2015, before 10:00 am 11/11/2015 10:00 am Was Immediate Notice Given? If YES, To Whom? X Yes ☐ No ☐ Not Required Heather Patterson (voicemail) By Whom? Kristin Pope Date and Hour 11/12/2015 10:00 am If YES, Volume Impacting the Watercourse. Was a Watercourse Reached? ☐ Yes ⊠ No If a Watercourse was Impacted, Describe Fully.\* n/a Describe Cause of Problem and Remedial Action Taken.\* Oil was lost from a tank due to a failure of a hose on the circulating pump. A vacuum truck removed standing fluid. A breach in the secondary containment liner material was exposed. The hose has been replaced. Describe Area Affected and Cleanup Action Taken.\* Oil was released into the bermed secondary containment surrounding the tanks (1,120 ft<sup>2</sup>) and onto approximately 290 ft<sup>2</sup> of the location pad. Soil moisture indicated that penetration was less than 2 inches deep, chloride field tests on 2-in-deep samples confirm. The affected material from the surface of the location and the gravel in the secondary containment was removed and replaced. The secondary containment liner will be repaired or replaced. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by Environmental Specialist: Printed Name: Greg Boans Title: Production Superintendent Approval Date: **Expiration Date:** E-mail Address: gboans@jdmii.com Conditions of Approval: Attached Date: 11/19/2015 Phone: (575) 628-3932

<sup>\*</sup> Attach Additional Sheets If Necessary







R.T. Hicks Consultants Albuquerque, NM	Groundwater Elevation Map	Figure 1c
	Murchison Oil & Gas - Polar Bear State Com 2H	April 2012

