

KERR-McGEE OIL & GAS ONSHORE, LP
2014 ANNUAL PROJECT SUMMARY TABLE
Tasman Geosciences, LLC

Incident Date	Remediation No.	Site Name	API / Facility ID	Status	NFA Proposed	NFA Approved Date	2014 Site Summary (monitoring/remediation/wells installed or destroyed)	Wells Sampled (Last Quarter) 2014	Wells Exceeding 5 µg/L Benzene (Last Quarter Sampled 2014)	Benzene Range (µg/L) (Last Quarter Sampled 2014)	POC Established	2015 Recommendations	Well Reduction Request
4/10/2014	N/A	Hanks Pooling Unit 1	05-123-07246	Assessment / remediation	No	N/A	Initiated excavation of source material - April 2014 / Site characterization - May 2014 / Developed chemical oxidant treatment remedial strategy	N/A	N/A	N/A	No	Complete insitu chemical oxidation treatment of soil and groundwater / Installation of monitoring wells / Conduct groundwater monitoring events (as necessary)	N/A

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Spill 443193
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TABLE 1
HANKS POOLING UNIT 1
2014 GROUNDWATER SAMPLE RESULTS SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Sample ID	Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
COGCC Table 910-1 Groundwater Standard (ug/L) ⁽¹⁾		5	560	700	1,400
GW01	4/10/2014	1,745	8.7	330	1,851

Notes:

1. Groundwater standards referenced from 2 CCR 404-1, Table 910-1, effective February 1, 2014.

COGCC = Colorado Oil and Gas Conservation Commission

ug/L = Micrograms per liter

(<) = Analytical result is less than the indicated laboratory reporting limit.

BOLD= Analytical result is in exceedance of COGCC groundwater standards.



* Excavation extent illustrated in Form 19 was refined and corrected.

Image Source:
Google Earth 2014

Benzene Concentrations Listed Above Sample ID.
TPH Concentrations Listed Below Sample ID.
Soil concentrations in mg/kg
Groundwater concentrations in ug/L

<div>WORK ORDER #: 88527175</div> <div>DRAWN BY: CAW</div> <div>DATE: 11/21/2014</div>	<div>Kerr-McGee Oil and Gas Onshore, LP</div> <div>Hanks Pooling Unit 1</div> <div>SWSW S34 T2N R67W</div> <div>Weld County, CO</div>	<div>  <div> <div>TASMAN</div> <div>GEOSCIENCES</div> </div> </div> <div>6899 Pecos St., Unit C</div> <div>Denver, CO 80221</div>	<div>LEGEND</div> <div> <div> Approximate Excavation Extent *</div> <div> Approximate Release Location</div> <div> Approximate Proposed Chemox and GAC Remedial Treatment Area</div> <div> Kerr-McGee Buried Lines</div> <div> Exposed KPK Buried Lines</div> </div>	<div>FIGURE 2</div> <div>PROPOSED REMEDIAL TREATMENT AREA</div>
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