

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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

Form C-144  
June 1, 2004

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

For drilling and production facilities, submit to  
appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe  
office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: <b>Black Hills Gas Resources</b> Telephone: <b>(505) 634-1111 ext 28</b> e-mail address: <b>dmanus@bhep.com</b>		
Address: <b>3200 N 1<sup>st</sup> Street PO Box 249 Bloomfield, NM 87413</b>		
Facility or well name: <b>Jicarilla 459-18 #112</b> API #: <b>30-039-29859</b> U/L or Qtr/Qtr <b>NE/NW Unit C</b> Sec <b>18</b> T <b>30 N</b> R <b>03 W</b>		
County: <b>Rio Arriba</b> Latitude <b>36° 48' 59.8"N</b> Longitude <b>107° 11' 32.3"W</b> NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/>		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input checked="" type="checkbox"/>		
<b>Pit</b> Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <b>15</b> mil Clay <input type="checkbox"/> Pit Volume <b>5,000</b> bbl	<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) <b>( 0 points)</b>
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) <b>( 0 points)</b>
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) <b>(10 points)</b> ( 0 points)
<b>Ranking Score (Total Points)</b>		<b>10 points</b>

**If this is a pit closure:** (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility \_\_\_\_\_. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: <b>Center of pit was 87° from north and 76 feet of well head.</b>	
Soil sample was taken center of pit underneath liner. See attached analytical.	<b>RCVD MAY 16 '08</b>
On May14, 2008 the Drilling Production Pit was backfilled and contoured to prevent ponding.	<b>OIL CONS. DIV.</b>
	<b>DIST. 3</b>

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: **3/15/08**

Printed Name/Title **Daniel R. Manus / Regulatory Technician**

Signature

*Daniel R. Manus*

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Deputy Oil & Gas Inspector,  
District #3

Printed Name/Title

Signature

*Bob Bell*

Date:

**JUN 02 2008**



### Sample Analysis Report

**CLIENT:** Black Hills Gas Resources  
3200 North 1st Street  
PO Box 249  
Bloomfield, NM 87413

**Date Reported:** 12/17/2007

**Report ID:** O0712010001

**Project:** Plt 121007  
**Lab ID:** O0712010-004  
**Client Sample ID:** Jic 459-18#112  
**Matrix:** Soil

**Work Order:** O0712010  
**Collection Date:** 12/10/2007 1:10:00 PM  
**Date Received:** 12/11/2007 11:00:00 AM  
**COC:** 112079

Analyses	Result	PQL	Limits	Qual	Units	Date Analyzed/Init
<b>8021B MBTEXN-Soil</b>						
						<b>Prep Date:</b> 12/11/2007
Benzene	ND	0.50			mg/Kg	12/12/2007 MAB
Toluene	ND	0.50			mg/Kg	12/12/2007 MAB
Ethylbenzene	ND	0.50			mg/Kg	12/12/2007 MAB
m,p-Xylenes	ND	1.0			mg/Kg	12/12/2007 MAB
o-Xylene	ND	0.50			mg/Kg	12/12/2007 MAB
Surr: 4-Bromofluorobenzene	96.4		80-138		%REC	12/12/2007 MAB
<b>8015B Gasoline Range Organics-Soil</b>						
						<b>Prep Date:</b> 12/11/2007
Gasoline Range Organics (nC6-nC10)	ND	10			mg/Kg	12/12/2007 MAB
Surr: 4-Bromofluorobenzene	97.3		66-146		%REC	12/12/2007 MAB
<b>8015B Diesel Range Organics-Soil</b>						
						<b>Prep Date:</b> 12/13/2007
Diesel Range Organics (nC10-nC32)	ND	20			mg/Kg	12/14/2007 ECS
Surr: o-Terphenyl	69.7		69-109		%REC	12/14/2007 ECS

These results apply only to the samples tested.

**Qualifiers:** \* Value exceeds Maximum Contaminant Level  
D Diluted out of recovery limit  
H Holding times for preparation or analysis exceeded  
M Matrix Effect  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
ND Not Detected at the Reporting Limit

Reviewed by:

*Tom Patten*

Tom Patten, Laboratory Manager