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

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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Pit, Closed-Loop System, Below-Grade Tank, or

Proposed Alternative Method Permit of Closure Plan Application					
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method					
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request					
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.					
Operator: Black Hills Gas Resources OGRID #: 013925					
Address: P.O. Box 249 / 3200 North First Street Bloomfield, NM 87413					
Facility or well name:					
API Number: <u>30-039-30576</u> OCD Permit Number:					
U/L or Qtr/Qtr Unit E / SW/NW Section 26 Township 29 North Range 2 West County: Rio Arriba					
Center of Proposed Design: NAD: ☐1927 🖾 1983					
Surface Owner: Federal State Private Tribal Trust or Indian Allotment					
2. Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A Lined Unlined Liner type: Thickness 20 mil LLDPE HDPE PVC Other					
String-Reinforced					
Liner Seams: Welded Factory Other Volume: 8,425 bbl Dimensions: L 86' x W 55' x D 10'					
Liner Seams. Wedded Factory Other Volume: 6,425 bot Dimensions: L 80 x W 55 x D 10					
Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other					
Liner Seams: Welded Factory Other RECEIVED RECEIV					
4 050 0000 3					
Below-grade tank: Subsection I of 19.15.17.11 NMAC					
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:bbl Type of fluid: Tank Construction material: Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other					
Tank Construction material:					
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off					
Liner type: Thicknessmil					
5. Alternative Method:					

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify:	hospital,
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other Monthly inspections (If netting or screening is not physically feasible)	
Signs: Subsection C of 19.15.17.11 NMAC 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers Signed in compliance with 19.15.3.103 NMAC	
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for
10. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approoffice or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dry above-grade tanks associated with a closed-loop system.	priate district pproval.
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	☐ Yes ☐ No

Page 2 of 5

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are
attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Previously Approved Operating and Maintenance Plan API Number:(Applies only to closed-loop system that use
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Usaste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. □ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) □ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMA Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more the facilities are required.				
Disposal Facility Name: Disposal Facility Permit Number:				
Disposal Facility Name: Disposal Facility Permit Number:				
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service an Yes (If yes, please provide the information below) No	nd operations?			
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC				
17. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source may provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district off considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justification demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	fice or may be			
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No			
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes □ No NA			
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes □ No NA			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes 🗌 No			
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes 🗌 No			
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	Yes No			
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No			
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No			
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	Yes No			
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes No			
Within a 100-year floodplain FEMA map	Yes 🗌 No			
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. □ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC □ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC □ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC □ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC □ Protocols and Procedures - based upon the appropriate requirements of 51.15.17.13 NMAC □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC □ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) □ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC				

Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Title:
Signature: Date:
e-mail address: Telephone:
20. OCD Approval: ☐ Permit Application (including closure plan) ☑ Closure Plan (only) ☐ OCD Conditions (see attachment)
OCD Representative Signature: Approval Date:
Title: Complique Office OCD Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.
☐ Closure Completion Date: August 12, 2009
22. Closure Method: Waste Excavation and Removal ☑ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only) If different from approved plan, please explain.
23. <u>Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:</u> Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
Disposal Facility Name: Disposal Facility Permit Number:
Disposal Facility Name: Disposal Facility Permit Number:
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations? Yes (If yes, please demonstrate compliance to the items below) No
Required for impacted areas which will not be used for future service and operations: Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation)
On-site Closure Location: Latitude 36.697615° N Longitude 107.017224° W NAD: ☐1927 ☐ 1983
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.
Name (Print): Daniel Manus Title: Regulatory Technician
Signature: James Manney Date: togost 21, 2009
e-mail address: daniel.manus@blackhillscorp.com Telephone: 505-634-1111 ext 28



Black Hills Gas Resources

Jicarilla 29-02-26 #21

Surface Location: 2,200' FNL 1,200' FWL (SW/NW) Unit E Rio Arriba County, New Mexico Lease: MDA 701-98-0013, Tract 4

Closure Report Compliance Demonstrations

- Pit closure date
 - Pit was closed on August 12, 2009
- Proof of Closure Notification
 - See attached letter and certified mail return receipt
- Proof of Deed Notice
 - The pit is located on Jicarilla Apache Reservation.
- Plot Plan
 - See attached Plot Plan for the pit and the well location map.
- Confirmation Sampling
 - See attached supporting analytical results
 - Benzene measured ND below the detection limit of 0.2 mg/kg
 - BTEX measured ND mg/kg total, below the detection limit of 50 mg/kg total
 - TPH measured 100 mg/kg below the detection limit of 2500 mg/kg
 - GRO measured ND mg/kg below the detection limit of 500 mg/kg
 - DRO measured 100 mg/kg below the detection limit of 500 mg/kg
 - Chloride measured 169 below the detection limit of 1000 mg/kg
- Soil Backfilling and Cover Installation
 - The pit was closed using BHGR previously approved closure plan.
 - Highlights
 - o The pit contents were blended 3 to 1 and sampled
 - o Four-foot of soil cover was used to cover the pit contents.
 - o Topsoil was applied to the thickness of background topsoil.
 - O Seeds were applied using a Land Pride drill seeder set at approximately 21 pounds per acre. Approximately 1.5 acres including the pit were reclaimed and re-seeded with a total of approximately 32 pounds of seed used.
 - See BHGR typical pit closure design
- Re-vegetation Application Rate
 - The approved Jicarilla / BIA seed mix was applied at a rate of 21 pounds per acre.
 - See attached Forest Service seed mixture and application rates.
- Site Reclamation
 - See attached after photos of the pit.
- Pit inspection
 - See attached.



Black Hills Gas Resources, Inc.

A subsidiary of Black Hills Exploration and Production. Inc.

3200 N 1st Street - PO Box 249 Bloomfield, NM 87413

Daniel ManusRegulatory Technician

Bus: (505) 634-1111 ext. 28 Fax: (505) 634-1116 daniel.manus@blackhillscorp.com

September 3, 2009

Manuel Myore, Realty Officer Bureau of Indian Affairs Jicarilla Agency P.O. Box 167 Dulce, NM 87528

Manuel Myore:

In accordance with the State of New Mexico Rule 19.15.17.12 NMAC, Surface Owner Notification, Black Hills Gas Resources (BHGR) has closed the drilling pit for the Jicarilla 29-02-26 #21 gas well. The pit was closed on August 15, 2009. Attached are a site map and the Plot Plan indicating the location and the closed pit in reference to the well-head.

If there are any questions contact Daniel Manus (505) 634-1111 extensions 28.

Respectfully,

Janual Laws

Daniel Manus

Regulatory Technician

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY.
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: Bureau of Indian Affairs Jicarilla Agency Branch of Realty Property P.O. Box 167 Dulce, NM 87528	A Signature Agent Addressee B. Received by (Printed Name) C. Date of Delivery Agent Addressee Agent Addressee Agent Addressee Agent Addressee Addressee Addressee Agent Addressee Agent Addressee Addressee Addressee Yes Addressee Agent Agent Agent Agent Agent Addressee Yes Addressee Agent Addressee Yes Addressee Agent Addressee Yes Addressee Agent Addressee Yes Addressee Agent Addressee Agent Addressee Yes Addressee Agent Addressee Agent Addressee Addressee Addressee Addressee Addressee Addressee Yes Addressee A
2. 7007 0220 0004 0187 44	
PS Form 3811, February 2004 Domestic Ret	

CERTIFIED MAIL 7007 0220 0004 0187 4495

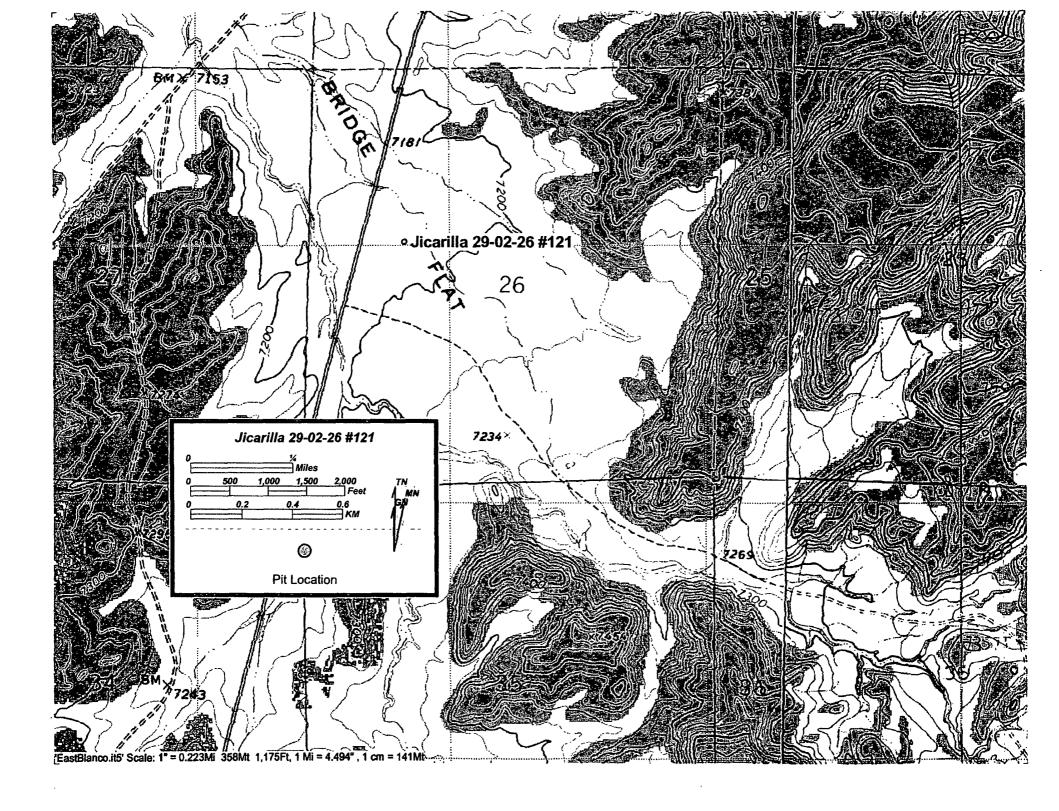
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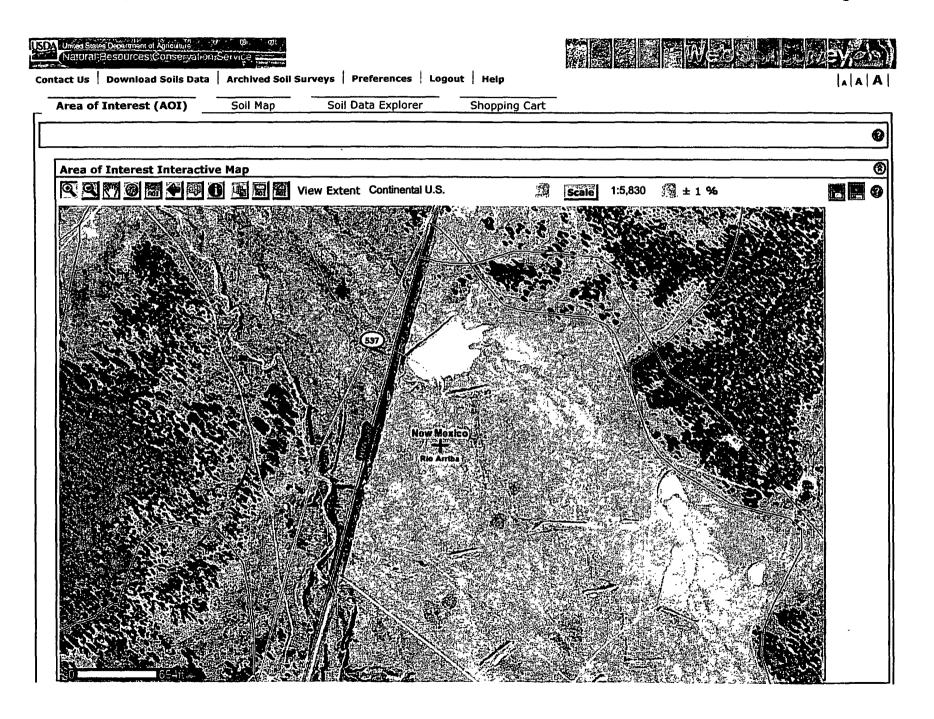
File

Brandon Powell NMOCD

WELL PAD DIAGRAM BLACK HILLS GAS RESOURCES COMPANY: ___ LEASE: JICARILLA 29-02-26 No. 21 2200 FNL 1200 FWL FOOTAGE: _____ SEC.: 26 TWN: 29-N RNG: 2-W _, NMPM ELEVATION: 7189'

X = Center of Pit Latitude: 36.697615°N Longitude: 107.017224°W







Sample Analysis Report

(307) 674-7506

CLIENT: Black Hills Gas Resources

3200 North 1st Street

PO Box 249

Bloomfield, NM 87413

Pit Closure 61209

Lab ID: 00906034-002 **Client Sample ID** Jic 29-2-26#21

Matrix:

Project:

Soil

Date Reported: 6/22/2009

Report ID: 00906034001

Work Order: O0906034

Collection Date: 6/12/2009 11:35:00 AM Date Received: 6/16/2009 10:30:00 AM

COC: 116969

Analyses	Result	RL	Limits	Qual	Units	Date Analyz	ed/Init
3260B MBTEXN-Soil						Prep Date: 6/16/2009	
Benzene	ND	0.5			mg/Kg	06/17/2009	ECS
Toluene	ND	0.5			mg/Kg	06/17/2009	ECS
Ethylbenzene	ND	0.5			mg/Kg	06/17/2009	ECS
m,p-Xylenes	ND	1.0			mg/Kg	06/17/2009	ECS
o-Xylene	ND	0.5			mg/Kg	06/17/2009	ECS
GRO by 8260 (nC6-nC10)	ND	10			mg/Kg	06/17/2009	ECS
Surr: 4-Bromofluorobenzene	84.3		74-124		%REC	06/17/2009	ECS
8015B Diesel Range Organics-Soil						Prep Date: 6/1	8/2009
Diesel Range Organics (nC10-nC32)	100	20			mg/Kg	06/21/2009	ECS
Surr: o-Terphenyl	87.1		25-126		%REC	06/21/2009	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

ND Not Detected at the Reporting Limit

RL - Reporting Limit -

B Analyte detected in the associated Method Blank

E Value above quantitation range

M Matrix Effect

S Spike Recovery outside accepted recovery limits

Reviewed by:

Ed Scruton, Analytical Chemist

Page 2 of 2



(307) 672-8945

Sample Analysis Report

CLIENT: Black Hills Gas Resources

3200 North 1st Street; P.O. Box 249

Bloomfield, NM 87413

Date Reported: 6/23/2009

Report ID: S0906314001

Work Order: S0906314

Collection Date: 6/12/2009 11:35:00 AM

Date Received: 6/16/2009

Sampler: DM Matrix: Soil

 Project:
 Pit Closure 61209

 Lab ID:
 \$0906314-002

 Client Sample ID:
 Jic29-2-26#21

 COC:
 \$116969

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
General Parameters-Soil						
TPH 418.1	100	100		ppm	06/19/2009 000 SNS	418.1
Soil Anions						
Chloride	169	0.01		ppm	06/22/2009 000 KO	USDA 60-3a

These results apply only to the samples tested.

Qualifiers:

Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

M Value exceeds Monthly Ave or MCL

S Spike Recovery outside accepted recovery limits

RL - Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

L Analyzed by a contract laboratory

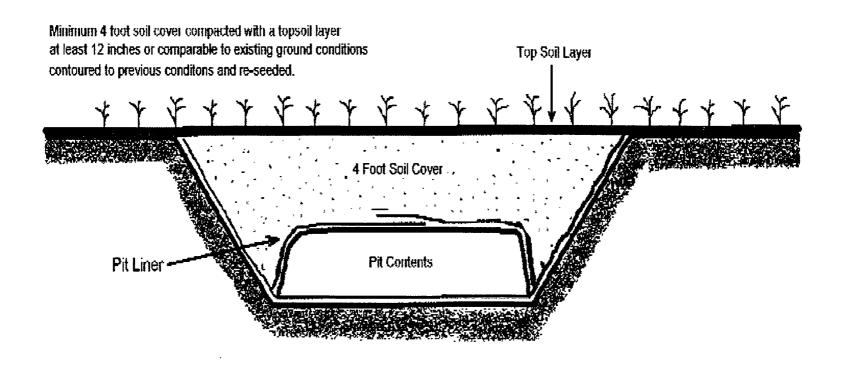
ND Not Detected at the Reporting Limit

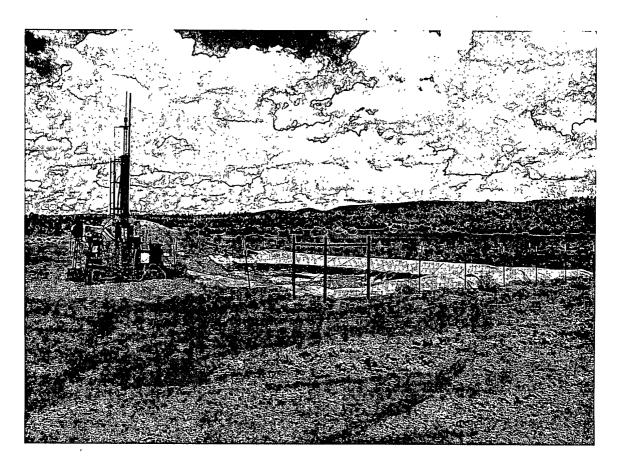
Reviewed by: Karen A Secon

Karen Secor, Soil Lab Supervisor

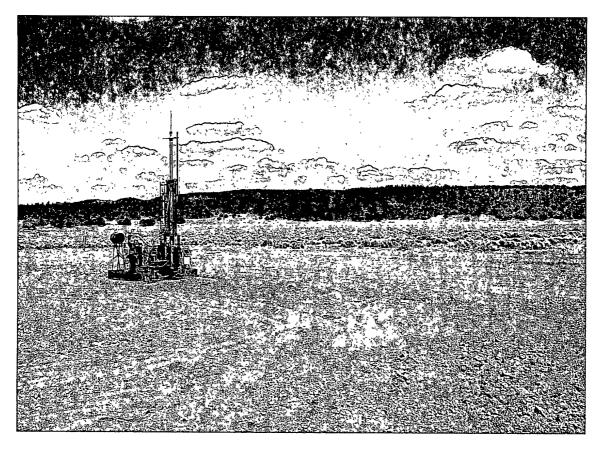
Page 2 of 2

Black Hills Gas Resources Pit Closure Diagram





Jicarilla 29-02-26 #21 Drilling Pit Before



Jicarilla 29-02-26 #21 Drilling Pit After Closure



Jicarilla 29-02-26 #21

Surface Location: 2,200' FNL 1,200' FWL (SW/NW) Unit E

Sec. 26 T29N R2W

Rio Arriba County, New Mexico Lease: Contract MDA 701-98-0013, Tract 4

Inspection report for Jicarilla 29-02-26#21 o Information taken from daily drilling logs

Date	Level
12/15/2008	2.5' BELOW TOP; 0.5' BELOW MAX
12/16/2208	3' BELOW TOP; 1' BELOW MAX
12/17/2008	3' BELOW TOP; 1' BELOW MAX
12/18/2008	3' BELOW TOP; 1' BELOW MAX
12/19/2008	2.5' BELOW TOP; 0.5' BELOW MAX
12/20/2008	3' BELOW TOP; 1' BELOW MAX
12/21/2008	3.5' BELOW TOP; 1.5' BELOW MAX
12/22/2008	4' BELOW TOP; 2' BELOW MAX
12/23/2008	4' BELOW TOP; 2' BELOW MAX

Glen Davis **Drilling Rig**

Date	Level
4/14/2009	2' BELOW TOP; 0' BELOW MAX
4/15/2009	2.5' BELOW TOP; 0.5' BELOW MAX
4/16/2009	2.5' BELOW TOP; 0.5' BELOW MAX
4/17/2009	2.5' BELOW TOP; 0.5' BELOW MAX
4/18/2009	2.5' BELOW TOP; 0.5' BELOW MAX
4/19/2009	3' BELOW TOP; 1' BELOW MAX
4/20/2009	3' BELOW TOP; 1' BELOW MAX
4/21/2009	3' BELOW TOP; 1' BELOW MAX
4/22/2009	4' BELOW TOP; 2' BELOW MAX
4/23/2009	4' BELOW TOP; 2' BELOW MAX

Mike Romo **Completion Rig** <u>District I</u> 1625 N French Dr , Hobbs, NM 88240 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 Department Oil Conservation Division 1220 South St. Francis Dr.

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit. Closed-Loop System, Below-Grade Tank, or

Santa Fe, NM 87505

Proposed Alternative Method Permit or Closure Plan Application						
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method						
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request						
lease be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the nurronment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances						
Operator: Black Hills Gas Resources	OGRID #: 01	3925				
Address: 3200 N 1st St Bloomfield, NM 87413						
Facility or well name: Jicarilla 29-02-26 #21						
API Number: 30-039-30576	OCD Permit Number: 4067					
API Number 30-039-30576 U/L or Qtr/Qtr	Township 29N Range 2W	County: Rio Arriba				
Center of Proposed Design: Latitude 36.69737° N						
Surface Owner: Tederal State Private I Triba						
 □ Permanent □ Emergency □ Cavitation □ P&A ☑ Lined □ Unlined Liner type: Thickness 20 □ String-Reinforced Liner Seams: □ Welded ☑ Factory □ Other 						
Closed-loop System: Subsection H of 19.15.17.11 Type of Operation: P&A Drilling a new well intent) Drying Pad Above Ground Steel Tanks Ha Lined Unlined Liner type: Thickness Liner Seams: Welded Factory Other	Workover or Drilling (Applies to activities which Joseph	45678910777275				
4. Below-grade tank: Subsection I of 19.15.17.11 No. Volume:bbl Type of fluid:		OIL CONS. DIV. DIST. 3				
Tank Construction material: Secondary containment with leak detection Vis Visible sidewalls and liner Visible sidewalls on Liner type Thicknessmil U	ble sidewalls, liner, 6-inch lift and automatic over ly Other					
s. Alternative Method: Submittal of an exception request is required. Exception	ns must be submitted to the Santa Fe Environment	al Bureau office for consideration of approval.				

Submit To Appropriate District Office Two Copies District 1				State of New Mexico Energy, Minerals and Natural Resources							Form C-105 Revised August 1, 2011						
1625 N French Dr District II	, Hobbs, NM	A 88240		Enc	igy, i	willierars am	u iva	turar i	Ke.	sources		1. WELL A			<u> </u>	vised A	ugust 1, 2011
811 S First St , Ar District III		Oil Conservation Division							30-039-30079 2 Type of Lease								
1000 Rio Brazos R District IV	0.5	1220 South St. Francis Dr. Santa Fe, NM 87505							STATE FEE FED/INDIAN 3. State Oil & Gas Lease No.								
1220 S St Francis												3. State Off &	Oas	Lease NC),		
4. Reason for fil		ETION	NOR F	RECO	MPL	ETION RE	POF	RT AN	4D	LOG		5 Lease Name	or I	Inst Agrae	umant N		
COMPLET	Ü	APT (Fill	ın boyac	#1 throu	ah #21	for State and Ea	م سمال	البامة				İ		01-98-0			
C-144 CLOS #33, attach this a	SURE AT	ТАСНМІ	E NT (Fil	I in boxe	s#l thr	ough #9, #15 Da	ate Rig	, Releas			/or	6 Well Numb	er:	29-02-			
7 Type of Comp	oletion					□PLUGBACI					'OIE	R COTHER					
8. Name of Oper	ator	lack Hil				LILEGERICA	<u> </u>	DITTER	CLI	VI KESEK V	OII	0 OCRID	392	5			
10. Address of O	perator 32	200 N 1s	st Street	t								11 Pool name	or W	ıldcat			
	Bl	loom fie	ld, NM	8741 <u>3</u>													
12.Location Surface:	Unit Ltr	Secti	on 26	Towns	<u> </u>	Range	Lot			Feet from the	he	N/S Line		from the	+ -		County
BH:	r.		20	29	11	2W				2200'		North		200	- W	est	Rio Arriba
13. Date Spudde	d 14 Da	te T.D. Re	eached	15. D	_	Released	`		16	Date Compl	etec	(Ready to Prod	uce)	1	7 Eleva T, GR, e	tions (DF	and RKB,
18 Total Measur	ed Depth o	of Well		19. P		pril 14, 2009 k Measured Dep		2	20	Was Direct	iona	ıl Survey Made?					ther Logs Run
22 Producing In	terval(s), o	f this com	pletion - '	l'op, Bot	iom, Na	ame									-		
23					CAS	ING REC	ORI	D (Re	po	ort all str	ring	gs set in we	ell)				
CASING SI	ZE	WEIC	HT LB /I			DEPTH SET				LE SIZE		CEMENTING		CORD	Al	MOUNT	PULLED
	-																
						<u> </u>						 			·		
24.	Iman		Lnor		LIN	ER RECORD	F3. 703	Lagna			25.		_	NG REC		I 5 . 6	TD OFF
SIZE	TOP		BO	ТОМ	·	SACKS CEM	ENI	SCRE	EN	'	Sl2	ZE	DI	EPTH SE	<u> </u>	PACK	ER SET
26 P 6		1		1				25.1		D GUOT	r.p.	A COT UP E COE		IT. COL	CCZC	ETC	
26 Perforation	record (in	tervai, siz	e, and nur	nber)						D, SHOT, INTERVAL		ACTURE, CE AMOUNT A					
								 									
28										ΓΙΟΝ							
Date First Produc	ction		Product	ion Meth	od (Fla	owing, gas lıft, p	итріп	g - Size	and	d type pump))	Well Status	(Proc	d or Shut	'-in)		
Date of Test	Hours	Tested	Cho	oke Size		Prod'n For Test Period		O:1 - E	3bl		Ga	s - MCF	l w	ater - Bbl		Gas - C	Oil Ratio
Flow Tubing Press.	Casing	Pressure	1	culated 2 ir Rate	:4-	Oıl - Bbl		G	as -	MCF		Water - Bbl		Oil Gra	avity - A	PI - (Cor	r)
29 Disposition o	f Gas (Sola	d, used for	fuel, veni	ed, etc)		<u> </u>							30. 1	est Witne	essed By	,	
31. List Attachm	ents		· · · · ·														
32 If a temporar	-			•			-		•	Plat on cl	osu	ıre attachme	nt				
33 If an on-site b	ourial was u	used at the	well, rep	ort the e	xact loc				N			1 1	07.0	17430 1	w	314	D 1027 1002
I hereby certi	fy that th	e inforn	nation si	hown o			forn	is tru	e a	and compl	'ete	Longitude 1 to the best of	r_{my}	knowle	dge an	NA d beliej	D 1927 1983
Signature	Van	iel	Lla	w		Printed Name Dan	niel N	Manus	,	Titl	le	Regulatory ?	Гесh	mician		Date	11/07/2011
E-mail Addre	ss Dar	niel.Ma	nusabl	lackhil	Iscori	o.com											



Black Hills Gas Resources, Inc.

A subsidiary of Black Hills Exploration and Production, Inc.

3200 N 1st Street - PO Box 249 Bloomfield, NM 87413

Daniel ManusRegulatory Technician II

Bus: (505) 634-5104 Fax: (505) 634-1116

daniel.manus@blackhillscorp.com

November 7, 2011

New Mexico Oil Conservation Division Aztec Office 1000 Rio Brazos Road Aztec, NM 87410

Subject: Jicarilla 29-02-26 #21 temporary drilling pit closure

Dear Sir or Madam

Black Hills Gas Resources' (BHGR) Jicarilla 29-02-26 #21 temporary drilling pit was closed on August 15, 2009 and the rig was release on December 9, 2008.

As for the notification to the NMOCD of closure of the pit, it is unknown if the notification was made by phone or email. BHGR understands going forward that all contact regarding notification, extensions, and exceptions will be made or followed up by email for documentation.

If you have any questions, please contact me.

Respectfully,

Taniel Manus

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

1301 W. Grand Ave., Artesia, N.M. 88210

OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

Form C-102

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV

Santa Fe, NM 87505

☐ AMENDED REPORT

1220 South St. Francis Dr., Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Na	me
30-039-30576	97036	LA JARA CANYON	U TERTIARY EXT
⁴ Property Code	⁵ Property	Name	⁵ Well Number
37461	JICARILLA 29	-02-26	121
OGRID No.	⁶ Operator	Name	⁹ Elevation
013975	BLACK HILLS GAS	RESOURCES	7189
	10 0 6		

10 Surface Location

					Surrace	Location					
UL or lot no. Section Township E 26 29-N			Range Lot Idn 2-W		Feet from the 2200	North/South line NORTH	Feet from the 1200	East/West line WEST	County RIO ARRIBA		
		-	11 Botto	om Hole	Location	lf Different Fr	om Surface	-			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
Н	26	29-N	2-W		1980'	NORTH	660'	EAST	RIO ARRIBA		
¹² Dedicated Acres ¹³ Joint or Infill					14 Consolidation Co	ode	15 Order No.				
			i		į .		1				

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

