

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

Form C-144
July 21, 2008

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.

3133

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

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: <u>Energen Resources Corporation</u>		OGRID #: <u>162928</u>	RCVD JUN 18 '09
Address: <u>2010 Afton Place, Farmington, NM 87401</u>		OIL CONS. DIV.	
Facility or well name: <u>Schumacher #12 E</u>		DIST. 3	
API Number: <u>30-045-34874</u>		OCD Permit Number: _____	
U/L or Qtr/Qtr <u>H</u> Section <u>17</u> Township <u>30N</u> Range <u>10W</u> County: <u>San Juan</u>			
Center of Proposed Design: Latitude <u>36.81547</u> Longitude <u>107.90084</u>		NAD: <input type="checkbox"/> 1927 <input checked="" type="checkbox"/> 1983	
Surface Owner: <input type="checkbox"/> Federal <input type="checkbox"/> State <input checked="" type="checkbox"/> Private <input type="checkbox"/> Tribal Trust or Indian Allotment			

<input checked="" type="checkbox"/> Pit: Subsection F or G of 19.15.17.11 NMAC	
Temporary: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover	
<input type="checkbox"/> Permanent <input type="checkbox"/> Emergency <input type="checkbox"/> Cavitation <input type="checkbox"/> P&A	
<input checked="" type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type: Thickness <u>20</u> mil <input checked="" type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____	
<input checked="" type="checkbox"/> String-Reinforced	
Liner Seams: <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Factory <input type="checkbox"/> Other _____ Volume: <u>1200</u> bbl Dimensions: L <u>155</u> x W <u>85</u> x D <u>10</u>	

<input type="checkbox"/> Closed-loop System: Subsection H of 19.15.17.11 NMAC	
Type of Operation: <input type="checkbox"/> P&A <input type="checkbox"/> Drilling a new well <input type="checkbox"/> Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)	
<input type="checkbox"/> Drying Pad <input type="checkbox"/> Above Ground Steel Tanks <input type="checkbox"/> Haul-off Bins <input type="checkbox"/> Other _____	
<input type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type: Thickness _____ mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____	
Liner Seams: <input type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other _____	

<input type="checkbox"/> Below-grade tank: Subsection I of 19.15.17.11 NMAC	
Volume: _____ bbl Type of fluid: _____	
Tank Construction material: _____	
<input type="checkbox"/> Secondary containment with leak detection <input type="checkbox"/> Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	
<input type="checkbox"/> Visible sidewalls and liner <input type="checkbox"/> Visible sidewalls only <input type="checkbox"/> Other _____	
Liner type: Thickness _____ mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____	

<input type="checkbox"/> Alternative Method:	
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	

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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, hospital, institution or church*)
- ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
- ☐ Alternate. Please specify _____

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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)

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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

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Administrative Approvals and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

- ☐ Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.
- ☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

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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 acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.

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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 search; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society, Topographic map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

11.

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: _____

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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 Design (attach copy of design) API Number: _____

☐ 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)

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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 Assessment - based upon
☐ Quality Control/Quality Assurance Construction and Installation Plan the appropriate requirements of 19.15.17.11 NMAC
☐ 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 H₂S, Prevention Plan
☐ Emergency Response Plan
☐ Oil Field Waste Stream Characterization
☐ Monitoring and Inspection 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

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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)

15.

Waste 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 I of 19.15.17.13 NMAC
☐ Site Reclamation 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 NMAC)

Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two 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 and operations?

☐ Yes (If yes, please provide the information below) ☐ No

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 I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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 material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> 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 19.15.17.11 NMAC
☐ 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
☐ 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
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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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: _____

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OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: Gonella Kelly Approval Date: 10/11/2011

Title: Compliance Officer OCD Permit Number: _____

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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: 06/05/09

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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.

Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

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

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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 36.81547 Longitude 107.90084 NAD: ☐ 1927 ☒ 1983

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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): Vicki Donaghey Title: Regulatory Analyst

Signature: Vicki Donaghey Date: 06/16/09

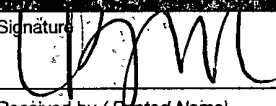
e-mail address: vdonaghe@energen.com Telephone: 505.324.4136



June 1, 2009

Certified Mail: 0002 5579

Cheryl H. & Louis E. Crutcher
8892 East 24th Place
Yuma, AZ 85365

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none">■ 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.		A. Signature: 	
1. Article Addressed to: Cheryl & Louis Crutcher 8892 East 24th Place Yuma, AZ 85365		B. Received by (Printed Name):	C. Date of Delivery:
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No	
		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchant <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
Article Number Transfer from service label		7007 2680 0002 5579 6051	
Form 3811, February 2004		Domestic Return Receipt 102595-02-M	

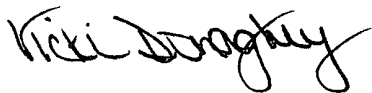
**Subject: Reserve Pit In-Place Closure
Schumacher #12E**

Dear Sir or Madam:

Energen Resources plans to close a reserve pit located on the subject well location. You are on record as the surface owner where this well is located and the New Mexico Oil Conservation Division (NMOCD) rules require notification to the surface owner of our plans to close the reserve pit. NMOCD rules and guidelines will be followed. The well is located in Unit Letter H, Section 17, Township 30N, Range 10W in Rio Arriba County, New Mexico.

If there are any questions or concerns, please contact me at 505.324.4136.

Sincerely,



Vicki Donaghey
Regulatory Analyst
Energen Resources

Cc: Well File

Hall Environmental Analysis Laboratory, Inc.

Date: 29-May-09

CLIENT: Energen Resources
Lab Order: 0905370
Project: Schumacher #12E
Lab ID: 0905370-01

Client Sample ID: Reserve Pit Composite
Collection Date: 5/18/2009 2:00:00 PM
Date Received: 5/20/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	32	10		mg/Kg	1	5/21/2009
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/21/2009
Surr: DNOP	100	61.7-135		%REC	1	5/21/2009
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	15	5.0		mg/Kg	1	5/29/2009 2:28:29 AM
Surr: BFB	141	58.8-123	S	%REC	1	5/29/2009 2:28:29 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	5/29/2009 2:28:29 AM
Benzene	0.083	0.050		mg/Kg	1	5/29/2009 2:28:29 AM
Toluene	0.50	0.050		mg/Kg	1	5/29/2009 2:28:29 AM
Ethylbenzene	0.18	0.050		mg/Kg	1	5/29/2009 2:28:29 AM
Xylenes, Total	1.3	0.10		mg/Kg	1	5/29/2009 2:28:29 AM
Surr: 4-Bromofluorobenzene	107	66.8-139		%REC	1	5/29/2009 2:28:29 AM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	450	3.0		mg/Kg	10	5/26/2009 10:06:09 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	200	20		mg/Kg	1	5/26/2009

Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Page 1 of 1

QA/QC SUMMARY REPORT

Client: Energen Resources
Project: Schumacher #12E

Work Order: 0905370

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB-19194		MBLK							
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-19194		LCS							
Chloride	14.67	mg/Kg	0.30	97.8	90	110			
Method: EPA Method 418.1: TPH									
Sample ID: MB-19183		MBLK							
Petroleum Hydrocarbons, TR	ND	mg/Kg	20						
Sample ID: LCS-19183		LCS							
Petroleum Hydrocarbons, TR	96.40	mg/Kg	20	96.4	82	114			
Sample ID: LCSD-19183		LCSD							
Petroleum Hydrocarbons, TR	99.80	mg/Kg	20	99.8	82	114	3.47	20	
Method: EPA Method 8015B: Diesel Range Organics									
Sample ID: MB-19149		MBLK							
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-19149		LCS							
Diesel Range Organics (DRO)	50.03	mg/Kg	10	100	64.6	116			
Sample ID: LCSD-19149		LCSD							
Diesel Range Organics (DRO)	53.24	mg/Kg	10	106	64.6	116	6.21	17.4	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: MB-19152		MBLK							
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: LCS-19152		LCS							
Gasoline Range Organics (GRO)	26.89	mg/Kg	5.0	104	64.4	133			
Sample ID: LCSD-19152		LCSD							
Gasoline Range Organics (GRO)	27.23	mg/Kg	5.0	106	69.5	120	1.26	11.6	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Page 1

QA/QC SUMMARY REPORT

Client: Energen Resources
 Project: Schumacher #12E

Work Order: 0905370

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
---------	--------	-------	-----	------	----------	-----------	------	----------	------

Method: EPA Method 8021B: Volatiles

Sample ID: MB-19152

MBLK

Batch ID: 19152 Analysis Date: 5/28/2009 7:20:01 PM

Methyl tert-butyl ether (MTBE)	ND	mg/Kg	0.10
Benzene	ND	mg/Kg	0.050
Toluene	ND	mg/Kg	0.050
Ethylbenzene	ND	mg/Kg	0.050
Xylenes, Total	ND	mg/Kg	0.10

Sample ID: LCS-19152

LCS

Batch ID: 19152 Analysis Date: 5/28/2009 6:18:56 PM

Methyl tert-butyl ether (MTBE)	1.110	mg/Kg	0.10	110	67.9	135
Benzene	1.042	mg/Kg	0.050	102	78.8	132
Toluene	1.062	mg/Kg	0.050	104	78.9	112
Ethylbenzene	1.068	mg/Kg	0.050	107	69.3	125
Xylenes, Total	3.196	mg/Kg	0.10	107	73	128

Sample ID: LCSD-19152

LCSD

Batch ID: 19152 Analysis Date: 5/28/2009 6:49:30 PM

Methyl tert-butyl ether (MTBE)	1.071	mg/Kg	0.10	106	67.9	135	3.60	28
Benzene	1.012	mg/Kg	0.050	99.3	78.8	132	2.92	27
Toluene	1.011	mg/Kg	0.050	99.1	78.9	112	4.94	19
Ethylbenzene	1.034	mg/Kg	0.050	103	69.3	125	3.26	10
Xylenes, Total	3.104	mg/Kg	0.10	103	73	128	2.95	13

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Page 2

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **ENERGEN RESOURCES**

Date Received:

5/20/2009

Work Order Number 0905370

Received by: TLS

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name: UPS

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Not Shipped <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Water - Preservation labels on bottle and cap match?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	

Number of preserved
bottles checked for
pH:

<2 >12 unless noted
below.

Container/Temp Blank temperature?

14.5°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Hall Environmental Analysis Laboratory, Inc.

Date: 29-May-09

CLIENT: Energen Resources

Project: Schumacher #12E

Lab Order: 0905370

CASE NARRATIVE

Total BTEX - 2.063 mg/kg

From: Stan Kozimor [mailto:Stank@consolidatedconst.com]
Sent: Thursday, May 28, 2009 11:47 AM
To: 'brandon.powel@state.nm.us'
Cc: 'D.Thomas@energenresources.com'
Subject: Pit Closure

We will start pit clean up of the Energen Schumacher 12E on Monday May 31, 2009 or Tuesday June 1, 2009.

If you have any questions please do not to hesitate to contact me.

Thank you,
James Hellekson
Consolidated Constructors, Inc.
(505) 320-0049

6/15/2009

WELL FLAG

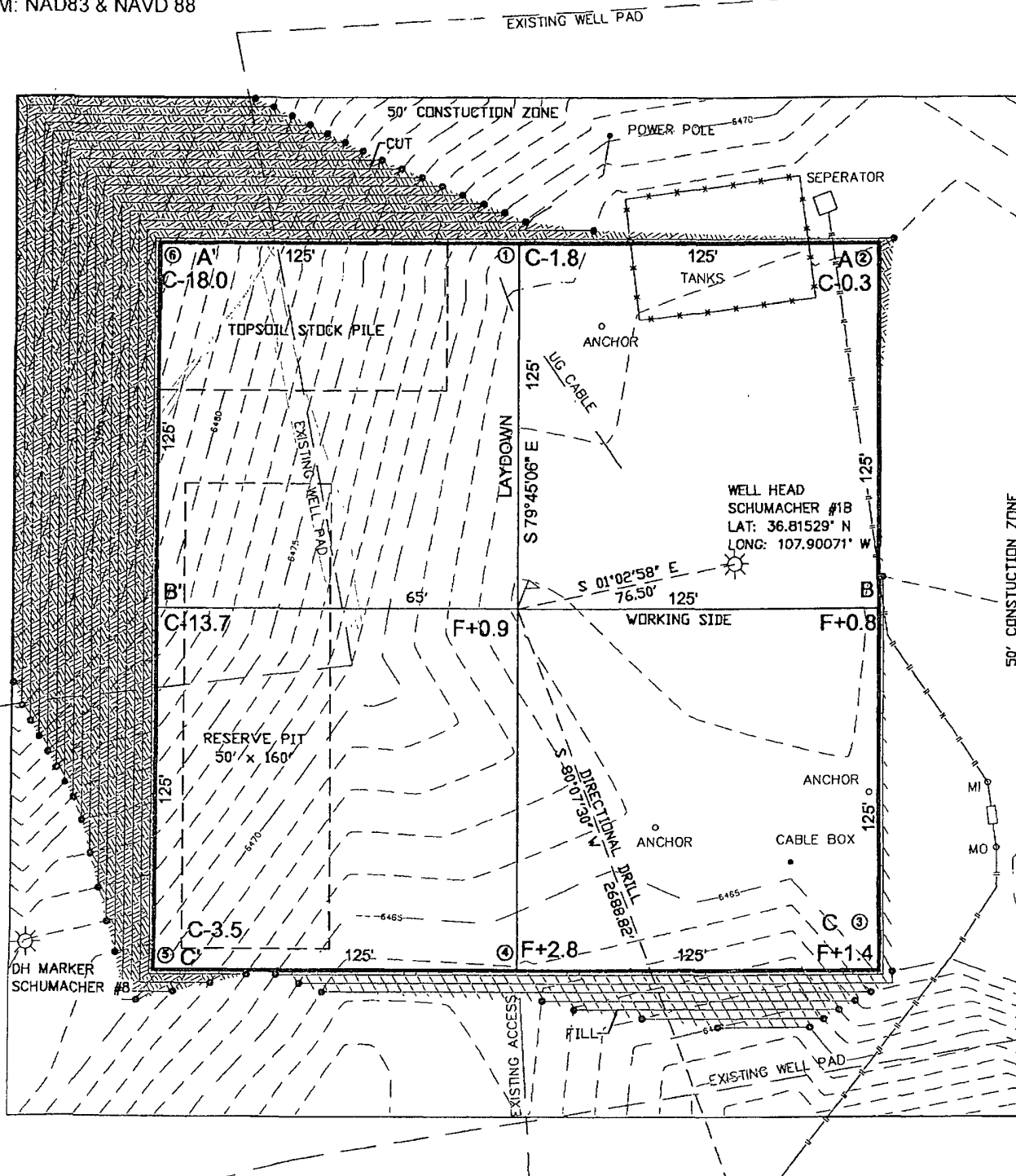
LATITUDE: 36.81550° N
 LONGITUDE: 107.90072° W
 DATUM: NAD 83
CENTER OF PIT
 LATITUDE: 36.81574° N
 LONGITUDE: 107.90084° W
 ELEVATION: 6454.7'
 DATUM: NAD83 & NAVD 88

ENERGEN RESOURCES CORPORATION

SCHUMACHER #12 E
 1372' FNL & 680' FEL
 LOCATED IN THE SE/4 NE/4 OF SECTION 17,
 T30N, R10W, N.M.P.M.,
 SAN JUAN COUNTY, NEW MEXICO
 GROUND ELEVATION: 6466', NAVD 88
 FINISHED PAD ELEVATION: 6466.7', NAVD 88



25' 0 25' 50'
 SCALE = 50'



1 FOOT CONTOUR INTERVAL SHOWN
 SCALE: 1" = 50'
 JOB No.: ERG148_REV2
 DATE: 10/28/08



Russell Surveying
 1409 W. Aztec Blvd. #2
 Aztec, New Mexico 87410
 (505) 334-8637

Well Name: Schumacher #12E

Reserve Pit - Final Closure Report:

The pit was closed with in-place burial. The surface owner was notified by certified mail. The OCD was notified at least 72 hours and not more than one week prior to the pit closing. The following process was used to close the pit:

- 1) All free standing fluids were removed and the liner was cut off at the mudline.
- 2) The contents were solidified to a bearing capacity sufficient to support the final cover. This was accomplished by mixing the contents with soil at a mixing ratio no greater than 3:1 soil to contents.
- 3) Sampling was done by collecting a five-point composite sample of the contents after stabilization. The sample was analyzed for the following components;

Components	Tests Method	Limit (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	1000

- 4) The analyses demonstrated that the stabilized contents were under the limits listed above. The contents were covered with compacted non-waste containing earthen material to three feet.
- 5) After the stabilized contents were covered, the stockpiled topsoil was replaced to a depth of one foot. Topsoil cover was graded to prevent ponding of water and erosion of the cover material. This was accomplished within six months of rig release.
- 6) The disturbed area not needed for operations will be seeded or planted the first growing season after closing the pit. Seed will be drilled on the contour whenever practical or by other division-approved methods. The goal is to obtain vegetative cover that equals 70% of the native cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation) consisting of at least three native plant species, including at least one grass but not including noxious weeds. Cover will be maintained through two successive growing seasons. During the two growing seasons that prove viability there shall be no artificial irrigation of the vegetation. Seeding or planting will continue until the required cover is reached. If conditions are not favorable to establishment of vegetation due to periods of drought or similar problems then the Aztec office of the OCD will be notified. The Aztec office of the OCD will also be notified when the disturbed ground successfully achieves re-vegetation.
- 7) A steel marker no less than four inches in diameter was cemented in a hole three feet deep in the center of the onsite burial. The top of this marker was flush with the ground with a threaded collar for future abandonment use to allow access of the pad and for safety concerns. On top of this marker, a steel

12 inch square plate indicating onsite burial was intermittent welded to the top of the collar to allow easy removal at time of the well being abandoned. Once all wells on the pad are abandoned a four foot tall riser will be threaded into the top of the marker and circumferential welded around the base with; operator name, lease name, well name and number, unit number, section, township and range, and a designation that it is an onsite burial location.

ENERGEN
RESOURCES

Comments:	SCHUMACHER #12E	PATTERSON #154
Name (Print):	J WEATHERFORD	Signature: <i>[Signature]</i>
Date:	2/23/2009	
Comments:	OK	
Name (Print):	J. WEATHERFORD	Signature: <i>[Signature]</i>
Date:	2/24/2009	
Comments:	OK	
Name (Print):	J. WEATHERFORD	Signature: <i>[Signature]</i>
Date:	2/25/2009	
Comments:	OK	
Name (Print):	JWEATHERFORD	Signature: <i>[Signature]</i>
Date:	2/26/2009	
Comments:	OK	
Name (Print):	Jeremy S.	Signature: <i>[Signature]</i>
Date:	2-28-09	
Comments:	Five	
Name (Print):	Jeremy S.	Signature: <i>[Signature]</i>
Date:	2-29-09	
Comments:	Five	
Name (Print):	Jeremy S	Signature: <i>[Signature]</i>
Date:	3-1-09	
Comments:	OK	
Name (Print):	Jeremy S.	Signature: <i>[Signature]</i>
Date:	3-2-09	
Comments:	OK	
Name (Print):	Jeremy S	Signature: <i>[Signature]</i>
Date:	3-3-09	
Comments:	OK	
Name (Print):	Jeremy S	Signature: <i>[Signature]</i>
Date:	3-4-09	
Comments:	OK	
Name (Print):	WEATHERFORD	Signature: <i>[Signature]</i>
Date:	3/5/2009	
Comments:	OK	
Name (Print):	Richard Montoya	Signature: <i>[Signature]</i>
Date:	3-6-09	
Comments:	OK	
Name (Print):	Richard Montoya	Signature: <i>[Signature]</i>
Date:	3-7-09	
Comments:	OK	
Name (Print):	Richard Montoya	Signature: <i>[Signature]</i>
Date:	3-8-09	
Comments:	OK	
Name (Print):	JWEATHERFORD	Signature: <i>[Signature]</i>
Date:	3/9-09	
Comments:	OK	
Name (Print):	JWEATHERFORD	Signature: <i>[Signature]</i>
Date:	3/10-09	
Comments:	OK	
Name (Print):	JWEATHERFORD	Signature: <i>[Signature]</i>
Date:	3/11-09	
Comments:	OK	

Pit Inspection Log Sheet

Well Name: Schumacher #12E		API: 30-045-34874
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/12/2009
Comments: OK		
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/13/2009
Comments: OK		
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/14/2009
Comments: OK		
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/15/2009
Comments: OK		
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/16/09
Comments: OK		
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/17/09
Comments: OK		
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/18/09
Comments: OK		
Name (Print): Richard MONTONA	Signature: <i>[Signature]</i>	Date: 3-19-09
Comments: OK		
Name (Print): Richard MONTONA	Signature: <i>[Signature]</i>	Date: 3-20-09
Comments: OK		
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/21/09
Comments: OK		
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/22/09
Comments: OK		
Name (Print): Richard MONTONA	Signature: <i>[Signature]</i>	Date: 3-23-09
Comments: OK		
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/24/09
Comments: 6' FREE ROOM		
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/25/09
Comments: OK		
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/26/09
Comments: 0		
Name (Print): J. WEATHERFORD	Signature: <i>[Signature]</i>	Date: 3/27/09
Comments: OK		
Name (Print):	Signature:	Date:



Pit Inspection Log Sheet

Well Name: Schumacher #12E

API: 30-045-34874

Name (Print): J. WEATHERFORD Signature: J. Weatherford Date: 3/28/09

Comments: OK

Name (Print): J. WEATHERFORD Signature: J. Weatherford Date: 3/29/09

Comments: OK

Name (Print): J. WEATHERFORD Signature: J. Weatherford Date: 3/30/09

Comments: OK

Name (Print): J. WEATHERFORD Signature: J. Weatherford Date: 3/31/09

Comments: OK

Name (Print): J. WEATHERFORD Signature: J. Weatherford Date: 4/1/09

Comments: OK

Name (Print): Richard MONTOM Signature: Richard Date: 4-2-09

Comments: OK

Name (Print): Richard MONTOM Signature: Richard Date: 4-3-09

Comments: OK

Name (Print): J. WEATHERFORD Signature: J. Weatherford Date: 4/4/09

Comments: OK 3' FREE ROOM

Name (Print): J. WEATHERFORD Signature: J. Weatherford Date: 4/5/09

Comments: 4' FREE ROOM

Name (Print): Signature: Date:

Comments:

Name (Print): Signature: Date:

Comments:

Name (Print): Signature: Date:

Comments:

Name (Print): Signature: Date:

Comments:

Name (Print): Signature: Date:

Comments:

Name (Print): Signature: Date:

Comments:

Name (Print): Signature: Date:

Comments:

Name (Print): Signature: Date:



Pit Inspection Log Sheet

(daily while rig is on-site, then weekly as long as liquids remain in the pit)

Well Name: SCHUMACHER 12E		API: 3004534874	
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/14/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/15/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/16/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/17/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/18/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/19/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/20/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/21/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/22/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/23/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/24/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/25/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/27/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/28/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/29/09	
Note Any Deficiencies:			
Name (Print): Dell Gunn	Signature: [Signature]	Date: 4/30/09	
Note Any Deficiencies:			

Dell Gunn
Dell Gunn
Dell Gunn
Dell Gunn

[Signature]
[Signature]
[Signature]
[Signature]

5-1-09
5-4-09
5-5-09
5-6-09

Pit Inspection Log Sheet

Energen Resources Corporation

Well Name: Schumacher 12E API #:

[illegible]

NOTICE OF LOCATION OF ON-SITE BURIAL

State: New Mexico
County: San Juan
Operator: Energen Resources Corporation
Address: 2010 Afton Place
Farmington, New Mexico 87401
Date: June 15, 2009

Pursuant to §19.15.17.13 F(1)(f) NMAC, notice is hereby given of the on-site burial of a drying pad associated with a closed-loop drilling system, a temporary pit, or a temporary pit in lieu of a drying pad for the well or facility and location identified below:

Facility or Well Name: Schumacher 12E
API Number: 30-045-34874
U/L or Qtr/Qtr: SE/4NE/4.
Section: 17 Township 30 N, Range 10W
Center of Location: Latitude 36.81547; Longitude 107.90084

ENERGEN RESOURCES CORPORATION

By John Harrington

Its Landman

STATE OF NEW MEXICO
COUNTY OF SAN JUAN

The foregoing instrument was acknowledged before me this 15th day of June, 2009, by John Harrington, of Energen Resources Corporation, an Alabama corporation, on behalf of said corporation.

Notary Public in and for the State of New Mexico

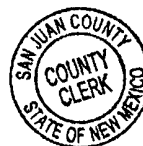


Printed Name: Gillian Black-Gillian Black

Commission Expires: October 2, 2011



200908704 06/15/2009 02:37 PM
1 of 1 B1495 P210 R \$9.00
San Juan County, NM DEBBIE HOLMES



AR

Submit to Appropriate District Office Five Copies District I 1625 N French Dr , Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd , Aztec, NM 87410 District IV 1220 S St Francis Dr , Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505		Form C-105 July 17, 2008						
		1. WELL API NO. 30-045-34874		2. Type Of Lease <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN						
		3. State Oil & Gas Lease No.								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: <input type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input checked="" type="checkbox"/> C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33, attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)				5. Lease Name or Unit Agreement Name Schumacher						
9. Type of Completion <input type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input checked="" type="checkbox"/> OTHER pit closure				6. Well Number #12E						
8. Name of Operator Energen Resources Corporation				9. OGRID Number 162928						
10. Address of Operator 2010 Afton Place, Farmington, NM 87401				11. Pool name or Wildcat						
12. Location	Unit Letter	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:										
BH:										
13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released 05/07/09		16. Date Completed (Ready to Produce)		17. Elevations (DF & RKB, RT, GR, etc)				
18. Total Measured Depth of Well		19. Plug Back Measured Depth		20. Was Directional Survey Made		21. Type Electric and Other Logs Run				
22. Producing Interval(s), of this completion - Top, Bottom, Name										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED					
24. LINER RECORD				25. TUBING RECORD						
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.						
				DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED				
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.)						30. Test Witnessed By				
31. List Attachments										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial.										
Latitude 36.81547 Longitude 107.90084 NAD: 1927 1983										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature Vicki Donaghey		Printed Name Vicki Donaghey		Title Regulatory Analyst		Date 06/12/09				
E-mail address vdonaghe@energen.com										

3133

WELL NAME: Schumacher #12E

SEEDING DATE: 07-28-09 NN

Seeding will be deferred to BLM requirements per the BLM/OCD MOU.

PROOF OF DEED NOTICE

Notice is not required. Pit is not located on private land.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-102
Revised October 12, 2005

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34874	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 21396	⁵ Property Name Schumacher	⁶ Well Number 12E
⁷ OGRID No. 162928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 6466'

¹⁰ Surface Location

UL or lot no. H	Section 17	Township 30N	Range 10W	Lot. Idn	Feet from the 1372'	North/South line FNL	Feet from the 680'	East/West line FEL	County San Juan
---------------------------	----------------------	------------------------	---------------------	----------	-------------------------------	--------------------------------	------------------------------	------------------------------	---------------------------

¹¹ Bottom Hole Location If Different From Surface

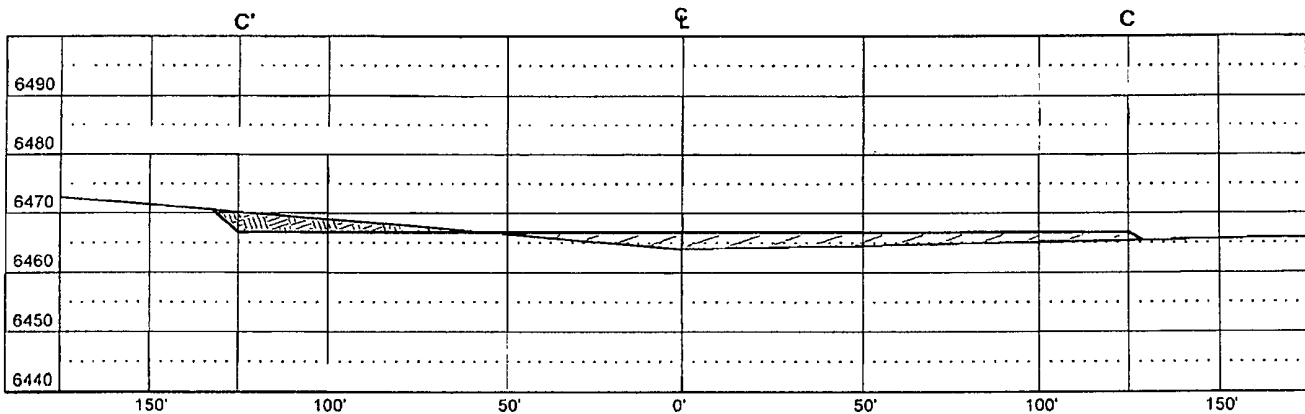
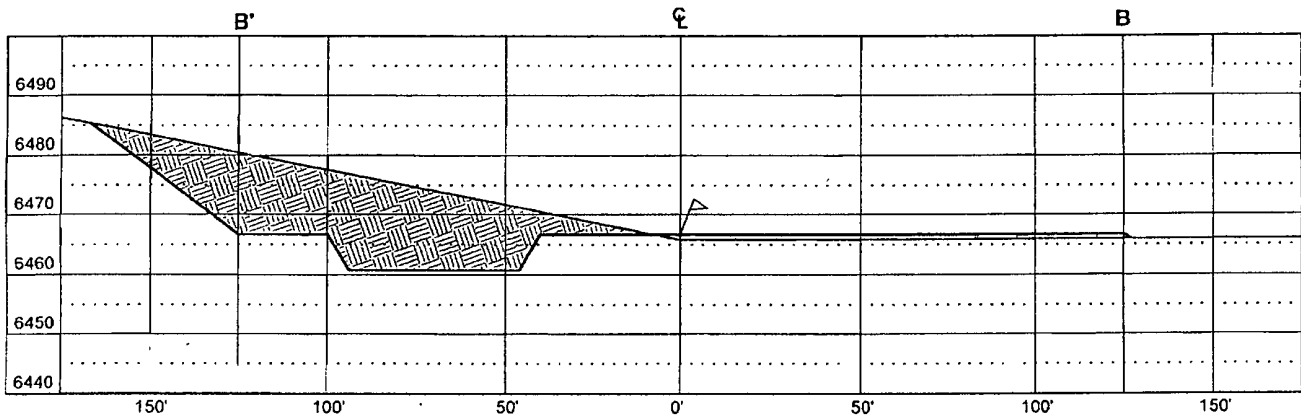
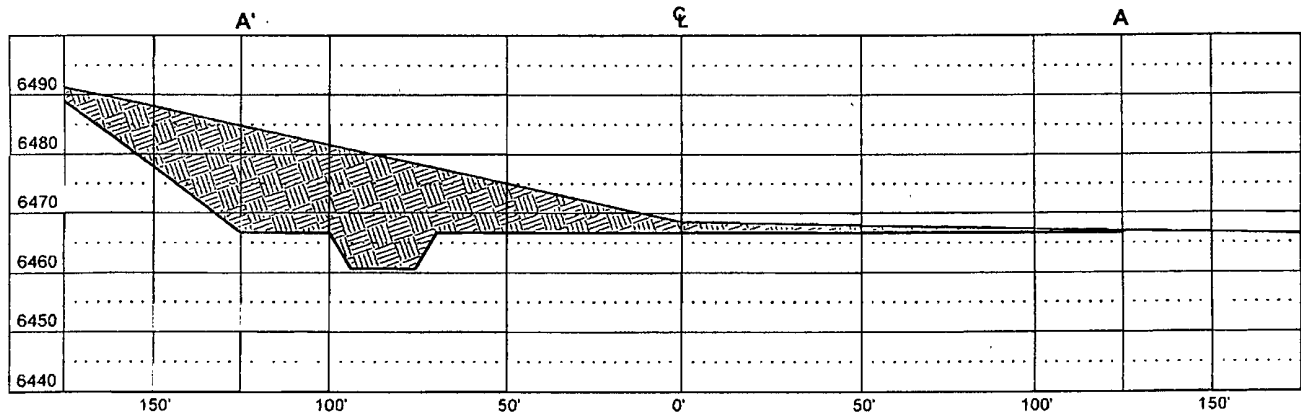
UL or lot no. F	Section 17	Township 30N	Range 10W	Lot. Idn	Feet from the 1670'	North/South line FNL	Feet from the 1821'	East/West line FWL	County San Juan
---------------------------	----------------------	------------------------	---------------------	----------	-------------------------------	--------------------------------	-------------------------------	------------------------------	---------------------------

¹² Dedicated Acres 320 w/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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

¹⁶		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division Signature Date 05/15/09 Vicki Donaghey Printed Name
		¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 10/16/08 Date of Survey Signature and Seal of Professional Surveyer Original survey reported and recorded by: David Russell Certificate Number

SCHUMACHER #12 E
1372' FNL & 680' FEL
LOCATED IN THE SE/4 NE/4 OF SECTION 17,
T30N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6466', NAVD 88
FINISHED PAD ELEVATION: 6466.7', NAVD 88

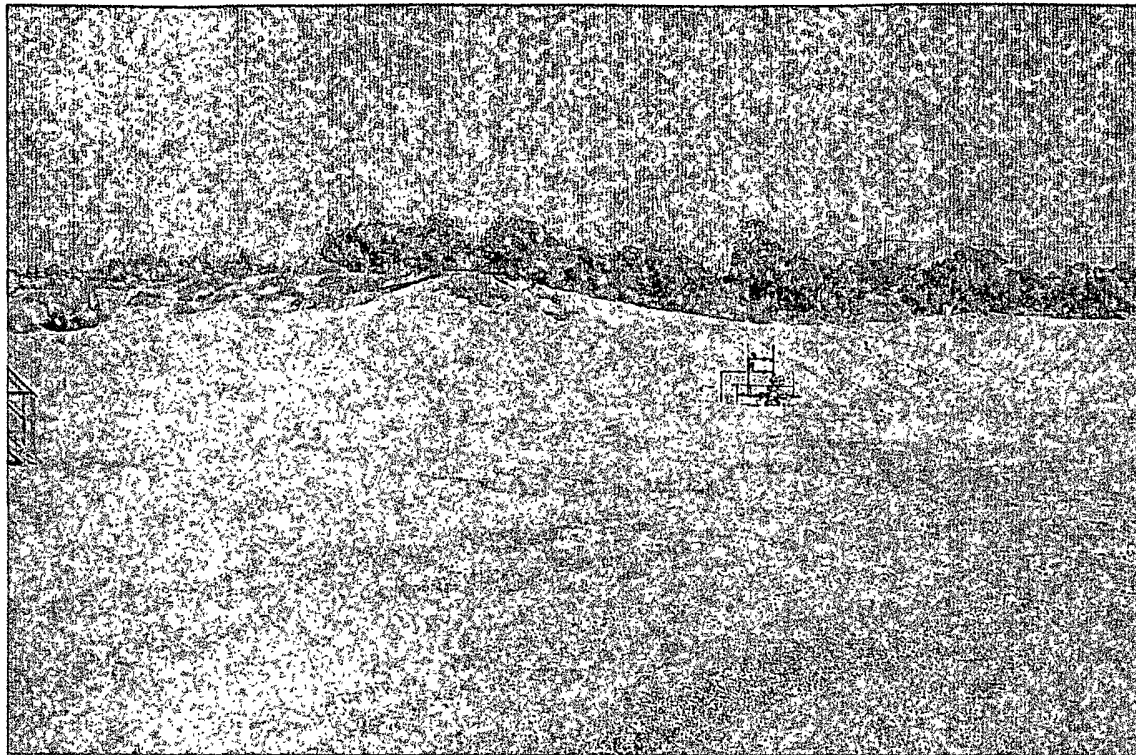


VERT. SCALE: 1" = 30'
HORIZ. SCALE: 1" = 50'
JOB No.: BR0140-REV2
DATE: 10/20/00



~~RS~~

Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637



ENERGEN
RESOURCES
CORPORATION

SCHUMACHER #12E
1372' FNL 680' FEL
UNIT H SEC 17 T30N R10W
LATITUDE 36.81550°
LONGITUDE -107.90072°
API # 30-045-34874 ELEV. 6466'
LEASE # NMSF-077764
SAN JUAN COUNTY, NEW MEXICO
BASIN DAKOTA

ENERGEN RESOURCES CORP.

SCHUMACHER 12 E

LAT 36.81547°

LONG -107.80084°

PIT MARKER