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.

# C086

# 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

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. \_\_\_\_\_OGRID #:\_\_\_16298\_\_ Operator: \_\_\_\_\_Energen Resources\_\_\_ Address: \_\_\_\_2010 Afton Place, Farmington, New Mexico 87401\_\_\_\_ Facility or well name: \_\_\_\_\_ Arboles 20 A 1R OCD Permit Number: \_\_\_\_\_ < API Number: 30-039-<del>27543-</del> 2.7453 U/L or Qtr/Qtr \_\_\_\_L Section \_\_20\_\_\_\_Township \_\_32N\_\_\_Range \_\_4W\_\_\_County: \_\_Rio Arriba\_\_\_ Center of Proposed Design: Latitude \_\_36 58' 09" N\_\_\_\_\_ Longitude \_\_107 17' 01"W\_\_\_\_\_ NAD: ☐ 1927 ☒ 1983 Surface Owner: ☑ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment Pit: Subsection F or G of 19.15.17.11 NMAC Closed-loop System: Subsection H of 19.15.17.11 NMAC Temporary: Drilling Workover ☐ Drying Pad ☐ Tanks ☐ Haul-off Bins ☐ Other \_ ☐ Permanent ☐ Emergency ☐ Cavitation ☐ Steel Pit Lined Unlined Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other \_\_\_\_\_ \_\_\_\_\_ String-Reinforced Seams: Welded Factory Other Volume: \_\_\_500\_\_\_\_\_bbl \_\_\_\_\_\_vd<sup>3</sup> Scams: Welded Factory Other \_\_\_ \_\_\_\_bbl Dimensions: L\_\_\_\_x W\_\_\_x D\_\_ Dimensions: Length\_20 ft\_\_ x Width\_\_13.5 ft\_ Below-grade tank: Subsection I of 19.15.17.11 NMAC Fencing: Subsection D of 19.15.17.11 NMAC Volume: \_\_\_\_\_ bbl Chain link, six feet in height, two strands of barbed wire at top Type of fluid: Four foot height, four strands of barbed wire evenly spaced between one and Tank Construction material: Secondary containment with leak detection Netting: Subsection E of 19.15.17.11 NMAC ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Screen Netting Other\_ ☐ Visible sidewalls and liner ☐ Monthly inspections ☐ Visible sidewalls only Signs: Subsection C of 19.15.17.11 NMAC Other \_ 12'x24', 2' lettering, providing Operator's name, site location, and Liner type: Thickness \_\_\_\_\_\_mit HDPE PVC emergency telephone numbers Other Signed in compliance with 19.15.3.103 NMAC Alternative Method: Administrative Approvals and Exceptions: Submittal of an exception request is required. Exceptions must be Justifications and/or demonstrations of equivalency are required. Please refer to submitted to the Santa Fe Environmental Bureau office for consideration 19.15.17 NMAC for guidance. of approval. Please check a box if one or more of the following is requested, if not leave 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.

Oil Conservation Division

Page 1 of 4



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	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
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
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the deattached.  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 19.15.17.1 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan - based upon the appropriate requirements of 19.15.17.19 NMAC and 19.15.17.13 NMAC Previously Approved Design (attach copy of design)  API Number:  or Permit Number:	ocuments are 9 NMAC
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 deattached.  Geologic and Hydrogeologic Data (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of Siting Criteria Compliance Demonstrations (required for on-site closure) - based upon the appropriate requirements of 19.15.17.10 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 - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	19.15.17.9
Previously Approved Design (attach copy of design) API Number:	

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 defattached.	cumenis are
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 the appropriate requirements of 19.15.17.11 NMAC	
Quality Control/Quality 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 <sub>2</sub> S, 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	
Proposed Closure: 19.15,17,13 NMAC	
Type: Drilling Workover Emergency Cavitation 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 co	nsideration)
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.	
INMAC Jor guidance.	
Ground water is less than 50 feet below the bottom of the buried waste.	Yes No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	LI NA
Ground water is between 50 and 100 feet below the bottom of the buried waste	☐ Yes ☐ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA
Ground water is more than 100 feet below the bottom of the buried waste.	Yes No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or takebed, sinkhole, or playa	☐ Yes ☐ No
lake (measured from the ordinary high-water mark).	
- Topographic map; Visual inspection (certification) of the proposed site	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No
- Visual inspection (certification) of the proposed site; Acrial photo; Satellite image	
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock	☐ Yes ☐ No
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	ļ
	<b>m</b>
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.	Yes No
- Written confirmation or verification from the municipality; Written approval obtained from the municipality	
Within 500 feet of a wetland.	☐ Yes ☐ No
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	
Within the area overlying a subsurface mine.	☐ Yes ☐ No
Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	ᆸᄓᅝᄓᄤ
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	☐ Yes ☐ No
Society; Topographic map	
Within a 100-year floodplain.	☐ Yes ☐ No
- FEMA map	

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 Haul-off Bins Only: (19.15.17.13.D NMAC) Instructions: Please indentify the facility
or facilities for the disposal of liquids, drilling fluids and drill cuttings.
Disposal Facility Name: _Envirotech,; Carracas SWD #I Disposal Facility Permit Number:NM-01-0011; API 30-039-24278
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 and Design of Burial Trench (if applicable) 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
<ul> <li>Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC</li> <li>Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)</li> </ul>
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 1 of 19.15.17.13 NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection G 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):Pat Sanchez Title:District Engineer
Signature:
Signature: Date: 779 2008
e-mail address:psanchez@energen.comTelephone:505.324.4141
AND THE RESERVE OF THE PARTY OF
OCD Approval: Permit Application (including closure plan) Closure Plan (only)
OCD Approval: Premit Application (including closure plan) Closure Plan (only)  OCD Representative Signature: Branchon Found Approval Date: 7-14-08
OCD Representative Signature: Branchon Small ) Approval Date: 7-14-08
OCD Approval: Permit Application (including closure plan) Closure Plan (only)  OCD Representative Signature: Branchon Foundation (including closure plan) Approval Date: 7-14-08  Title: Envire Spec. OCD Permit Number:
OCD Representative Signature: Branchon Found Approval Date: 7-14-08  Title: Enviro   Spec OCD Permit Number:  Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC
OCD Representative Signature: Branson Found
OCD Representative Signature: Branchon Found Approval Date: 7-14-08  Title: Enviro   Spec OCD Permit Number:  Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC  Closure Method:
OCD Representative Signature: Branchon Journal Approval Date: 7-14-08  Title: Enviro   Spec OCD Permit Number:  Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC  Closure Method:  Waste Excavation and Removal On-Site Closure Method Alternative Closure Method
OCD Representative Signature: Branslon Found   Approval Date: 7-14-08  Title: Enviro   Spec   OCD Permit Number:    Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC   Closure Completion Date:   Subsection Date:   Closure Method:   Alternative Closure Method   Alternative Closure Method   If different from approved plan, please explain.
OCD Representative Signature: Branchon Found Approval Date: 7-14-08  Title: Enviro   Spec. OCD Permit Number:  Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC  Closure Completion Date: Closure Completion Date: On-Site Closure Method:  Waste Excavation and Removal On-Site Closure Method Alternative Closure Method  If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check
OCD Representative Signature: Branchon Good Approval Date: 7-14-08  Title: Enviro   Spec OCD Permit Number:  Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Closure Completion Date:   Closure Method:   Closure Method   Alternative Closure Method   If different from approved plan, please explain.  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
OCD Representative Signature: Branchon Good Approval Date: 7-14-08  Title: Enviro   Spec OCD Permit Number:  Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Closure Completion Date:   Closure Method:   Closure Method   Alternative Closure Method   If different from approved plan, please explain.  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   Proof of Deed Notice (if applicable)
OCD Representative Signature:    Standar   Sound   Spec   OCD Permit Number:   7-14-08
OCD Representative Signature:    Spec
OCD Representative Signature: Branchon Found Approval Date: 7-14-08  Title: Enviro   Spec OCD Permit Number:  Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC  Closure Completion Date:   On-Site Closure Method   Alternative Closure Method   If different from approved plan, please explain.  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   Proof of Deed Notice (if applicable)   Proof of Sampling Analytical Results   Disposal Facility Name and Permit Number
OCD Representative Signature: Brandon Grandon Approval Date: 7-14-08  Title: Enviro   Spec   OCD Permit Number:    Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC   Closure Completion Date:   V 2008    Closure Method:   On-Site Closure Method   Alternative Closure Method   If different from approved plan, please explain.  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 (if applicable)   Proof of Deed Notice (if applicable)   Proof of Deed Notice (if applicable)   Waste Material Sampling Analytical Results   Waste Material Sampling Analytical Results   Disposal Facility Name and Permit Number   Soil Backfilling and Cover Installation   Soi
OCD Representative Signature: Branchon Found Approval Date: 7-14-08  Title: Enviro   Spec OCD Permit Number:  Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC  Closure Completion Date:   Days  Closure Method:   Alternative Closure Method   Alternative Closure Method   If different from approved plan, please explain.  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   Proof of Closure Notice   Proof of Closure Notice   Proof of Closure Notice   Proof of Deed Notice (if applicable)   Plot Plan   Plot Plan   Waste Material Sampling Analytical Results   Disposal Facility Name and Permit Number   Soil Backfilling and Cover Installation   Re-vegetation Application Rates and Seeding Technique
OCD Representative Signature: Brandon Grandon Approval Date: 7-14-08  Title: Enviro   Spec   OCD Permit Number:    Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC   Closure Completion Date:   V 2008    Closure Method:   On-Site Closure Method   Alternative Closure Method   If different from approved plan, please explain.  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 (if applicable)   Proof of Deed Notice (if applicable)   Proof of Deed Notice (if applicable)   Waste Material Sampling Analytical Results   Waste Material Sampling Analytical Results   Disposal Facility Name and Permit Number   Soil Backfilling and Cover Installation   Soi
OCD Representative Signature: Branchon Stand Approval Date: 7-14-08  Title: Enviro Spec. OCD Permit Number:  Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Closure Method:  Closure Method:  Closure Method of Closure Method Alternative Closure Method If different from approved plan, please explain.  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 Proof of Deed Notice (if applicable)  Plot Plan  Confirmation Sampling Analytical Results Disposal Facility Name and Permit Number  Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number  Soil Backfilling and Cover Installation  Confirmation Application Rates and Seeding Technique  Site Reclamation (Photo Documentation)
OCD Representative Signature:
OCD Representative Signature: Branchen Date: 7-14-08  Title: Enviro   Spec. OCD Permit Number: OCD Permit Nu
OCD Representative Signature:
OCD Representative Signature:
OCD Representative Signature: Branchon Subsection K of 19.15.17.13 NMAC  Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC  Closure Method:  Maste Excavation and Removal On-Site Closure Method Alternative Closure Method If different from approved plan, please explain.  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  Proof of Deed Notice (if applicable)  Approach Deed Notice (if applicable)  Approach Deed Notice (if applicable)  Soil Backfilling and Cover Installation  Re-vegetation Application Rates and Seeding Technique  Soil Backfilling and Cover Installation  On-site Closure Location: Latitude Longitude NAD: 1927 1983  Onerator 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 information and attachments submitted with this closure requirements and conditions specified in the approved closure plan.

### Closed-loop Design Plan:

Our closed loop system will not entail a drying pad, temporary pit, below grade tank or sump. It will entail an above ground tank suitable for holding the cuttings and fluids for rig operations. The tank will be of sufficient volume to maintain a safe free board between disposal of the liquids and solids from rig operations.

- 1) Fencing is not required for an above ground closed-loop system.
- 2) It will be signed in compliance with 19.15.3.103 NMAC.
- 3) A frac tank will be on location to store fresh water.

## **Closed-loop Operating and Maintenance Plan:**

The closed-loop tank will be operated and maintained; to contain liquids and solids, to aid in the prevention of contamination of fresh water sources, in order to protect public health and the environment. To attain this goal the following steps will be followed:

- 1) The liquids will be vaccumed out and disposed of at the Carracas SWD#1 facility (Disposal API Number 30-039-30168). Solids in the closed-loop tank will be vacuumed out and disposed of at Envirotech (Permit Number NM-01-0011) on a periodic basis to prevent over topping.
- 2) No hazardous waste, miscellaneous solid waste or debris will be discharged into or stored in the tank. Only fluids or cuttings used or generated by rig operations will be placed or stored in the tank.
- 3) The division district office will be notified within 48 hours of the discovery of compromised integrity of the closed-loop tank. Upon the discovery of the compromised tank, repairs will be enacted immediately.
- 4) All of the above operations will be inspected and a log will be signed and dated. During rig operations the inspection will be daily.

#### Closed-loop Closure Plan:

The closed loop tank will be closed in accordance with 19.15.17.13. This will be done by transporting cuttings and all remaining sludges to Envirotech (Permit Number NM-01-0011) following rig operations. All remaining liquids will be transported and disposed of in the Carracas SWD#1 facility (Disposal API number 30-039-30168). The tanks will be removed from the location as part of the rig move. At time of well abandonment, the site will be reclaimed and re-vegetated to pre-existing conditions when possible.

#### AS DRILLED

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 LV

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

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

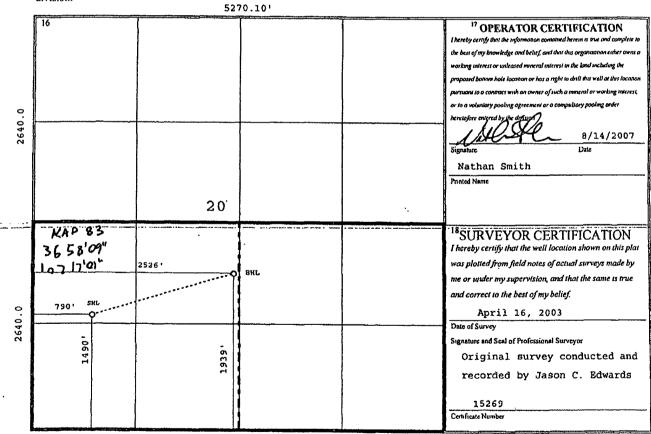
Fee Lease - 3 Copies

MENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code 30-039-27453 71629 Basin Fruitland Coal Property Code 'Property Name Arboles 20 A Well Number 'OGRID No. Operator Name Elevation 162928 Energen Resources Corporation 7405' 10 Surface Location UL or lot no. Section Township Range Let Ide Feet from the North/South line Feet from the East/West line County 20 32N L 04W 1490' South 790' Rio Arriba West 11 Bottom Hole Location If Different From Surface

UL or lot no. Section Township Range Feet from the East/West line North/South lin-Feet from th 1939' 04W 20 32N South 25261 West Rio Arriba Dedicated Acres Joint or Infill Consolidation Code Order No. 320.00 S/2

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.



5269.44