

July 21, 2008

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.

4011

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

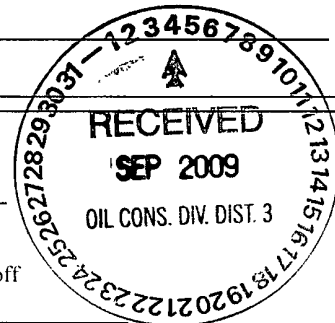
1  
Operator: Energen Resources Corporation OGRID #: 162928  
Address: 2010 Afton Pl. Farmington, New Mexico 87401  
Facility or well name: Carracas 15A #11  
API Number: 30-039-30469 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr SE/SE Section 15 Township 32N Range 05W County: Rio Arriba  
Center of Proposed Design: Latitude 36.97316 Longitude 107.34200 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 \_\_\_\_\_ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☐ String-Reinforced  
Liner Seams: ☐ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: \_\_\_\_\_ bbl Dimensions: L \_\_\_\_\_ x W \_\_\_\_\_ x D \_\_\_\_\_

3  
☐ 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 \_\_\_\_\_

4  
☐ 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 \_\_\_\_\_  
Liner type: Thickness \_\_\_\_\_ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_

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.



6.

**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 \_\_\_\_\_

7.

**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)

8.

**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

9.

**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.

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 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.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  | <input type="checkbox"/> Yes <input 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).<br>- 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.<br>(Applies to temporary, emergency, or cavitation pits and below-grade tanks)<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image   | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> NA |
| Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application<br>(Applies to permanent pits)<br>- 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<br>- NM Office of the State Engineer - iWATERS database search; 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.<br>- 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.<br>- 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.<br>- 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.<br>- 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.<br>- FEMA map   | <input type="checkbox"/> Yes <input 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: \_\_\_\_\_

12

**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)

13.

**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 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

14

**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

☐ Yes ☐ No

☐ 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

☐ 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 19.15.17.11 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

19.

**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: Jonathan D. Kelly Approval Date: 1/30/2012

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: 08/13/09

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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

24

**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 37.97316 Longitude 107.34200 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: 09/03/09

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

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		<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>OIL CONSERVATION DIVISION</b> 1220 South St. Francis Dr. Santa Fe, NM 87505				<b>Form C-105</b> July 17, 2008					
								1. WELL API NO.			
								30-039-30469			
								2. Type Of Lease			
								<input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN			
								3. State Oil & Gas Lease No.			
<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>											
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			
								Carracas 15A			
								6 Well Number			
								#11			
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											
8 Name of Operator								9 OGRID Number			
Energen Resources Corporation								162928			
10 Address of Operator								11 Pool name or Wildcat			
2010 Afton Place, Farmington, NM 87401								Basin Fruitland Coal			
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		16. Date Completed (Ready to Produce)		17. Elevations (DF & RKB, RT, GR, etc )			
				07/10/09							
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. <b>CASING RECORD (Report all strings set in well)</b>											
CASING SIZE		WEIGHT LB /FT		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
24. <b>LINER RECORD</b>						25. <b>TUBING RECORD</b>					
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE	
										DEPTH SET	
26. Perforation record (interval, size, and number)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
28. <b>PRODUCTION</b>											
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    36.97316    Longitude    107.34200    NAD:    1927   X   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 <i>Vicki Donaghey</i>				Printed Name		Vicki Donaghey		Title		Regulatory Analyst	
E-mail address				vdonaghe@energen.com				Date		09/03/09	



**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

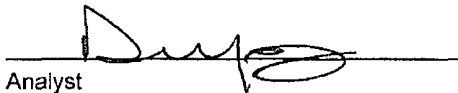
Client:	Energen	Project #:	03022-0001
Sample ID:	080409-01	Date Reported:	08-10-09
Laboratory Number:	51108	Date Sampled:	08-04-09
Chain of Custody No:	7606	Date Received:	08-05-09
Sample Matrix:	Soil	Date Extracted:	08-06-09
Preservative:	Cool	Date Analyzed:	08-07-09
Condition:	Intact	Analysis Requested:	8015 TPH

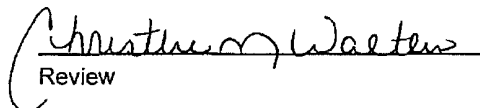
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	106	0.2
Diesel Range (C10 - C28)	179	0.1
Total Petroleum Hydrocarbons	285	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Carracas 15A #11**

  
Analyst

  
Review



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0001
Sample ID:	080409-01	Date Reported:	08-10-09
Laboratory Number:	51108	Date Sampled:	08-04-09
Chain of Custody:	7606	Date Received:	08-05-09
Sample Matrix:	Soil	Date Analyzed:	08-07-09
Preservative:	Cool	Date Extracted:	08-06-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	24.4	0.9
Toluene	280	1.0
Ethylbenzene	38.7	1.0
p,m-Xylene	435	1.2
o-Xylene	105	0.9
Total BTEX	883	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Carracas 15A #11

Analyst

Review





EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Energen	Project #:	03022-0001
Sample ID:	080409-01	Date Reported:	08-11-09
Laboratory Number:	51108	Date Sampled:	08-04-09
Chain of Custody No:	7606	Date Received:	08-05-09
Sample Matrix:	Soil	Date Extracted:	08-06-09
Preservative:	Cool	Date Analyzed:	08-06-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	607	11.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Carracas 15A #11.

Analyst

Review



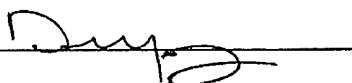
## Chloride

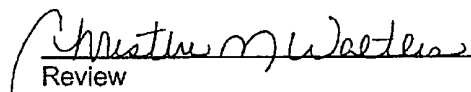
Client:	Energen	Project #:	03022-0001
Sample ID:	080409-01	Date Reported:	08-11-09
Lab ID#:	51108	Date Sampled:	08-04-09
Sample Matrix:	Soil	Date Received:	08-05-09
Preservative:	Cool	Date Analyzed:	08-07-09
Condition:	Intact	Chain of Custody:	7606

Parameter	Concentration (mg/Kg)
Total Chloride	500

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Carracas 15A #11.

  
Analyst

  
Review

**Vicki Donaghey**

---

**From:** Rosenbaum Construction Co., Inc. [rosenbaumconstruction@msn.com]  
**Sent:** Wednesday, August 12, 2009 11:35 AM  
**To:** Robert Schmidt; Kellie Campbell; Vicki Donaghey; Ed Hasely  
**Subject:** Fw: 72 HOUR NOTICE

----- Original Message -----

**From:** Rosenbaum Construction Co., Inc.  
**To:** Brandon.Powell  
**Cc:** DOUG THOMAS ; Bill Vocke  
**Sent:** Wednesday, August 12, 2009 11:14 AM  
**Subject:** 72 HOUR NOTICE

BRANDON,

THIS IS OUR 72 HOUR NOTICE TO START CLEAN UP ON AN ENERGEN WELL SITE.

CARRACAS 15 A #11

TOWNSHIP 32N, RANGE 5W, SECTION 15, QUARTER SECTION SE  
RIO ARriba COUNTY

THANK YOU,  
STEPHANNE COATS  
ROSENBAUM CONSTRUCTION  
505-325-6367

8/12/2009

**Well Name:** CARACAS 15A #11

**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

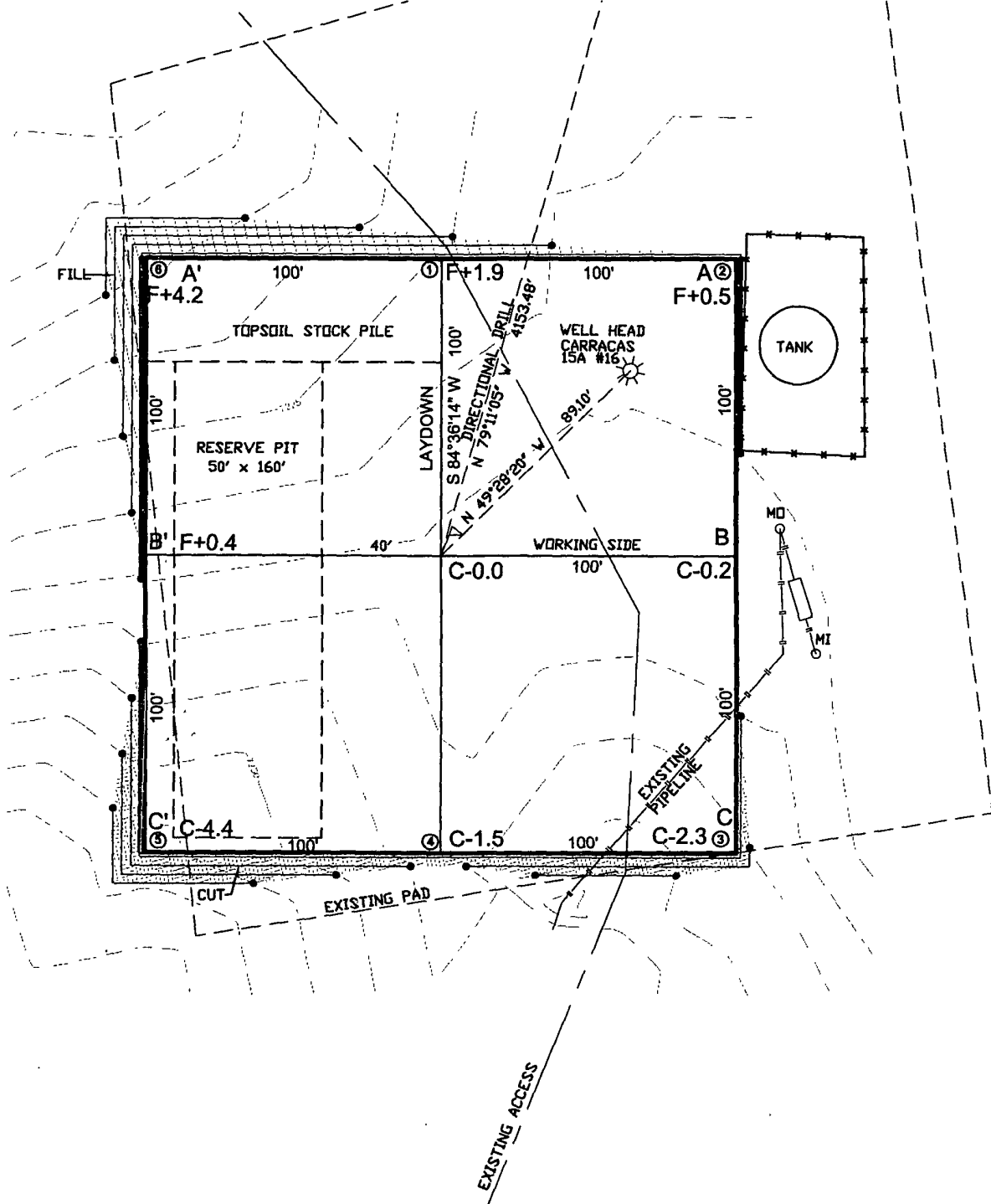
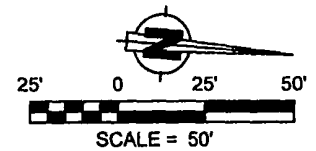
- 4) The analyses demonstrated that the stabilized contents were under the limits listed above. The contents were covered with compacted non-waste containing earthen material to three feet.
- 5) After the stabilized contents were covered, the stockpiled topsoil was replaced to a depth of one foot. Topsoil 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.

ATITUDE: 36.97333°N  
ONGITUDE: 107.34218°W  
DATUM: NAD 83

# ENERGEN RESOURCES CORPORATION

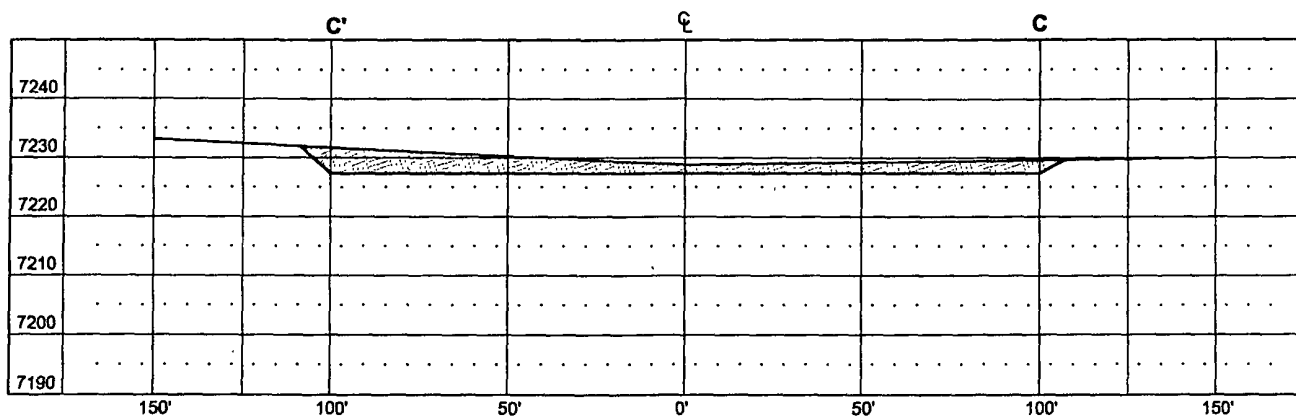
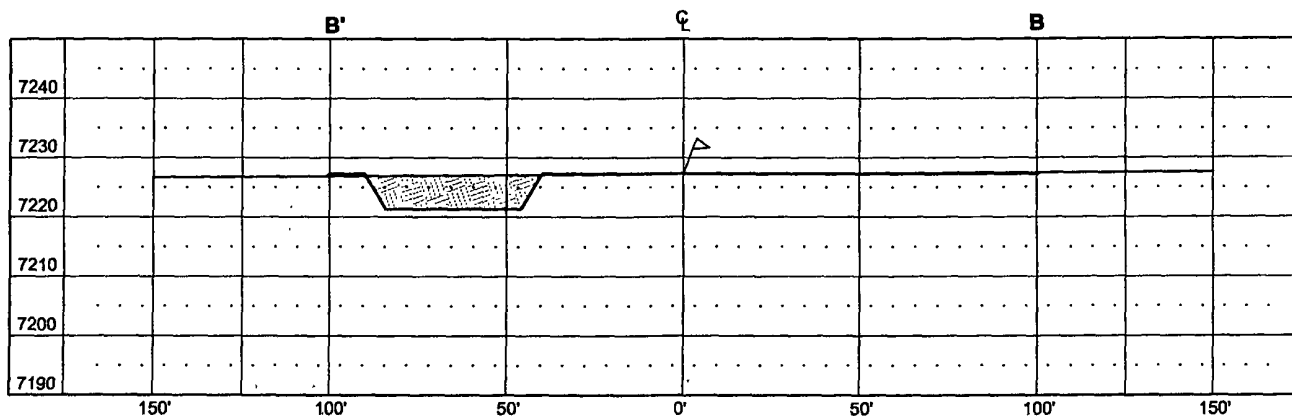
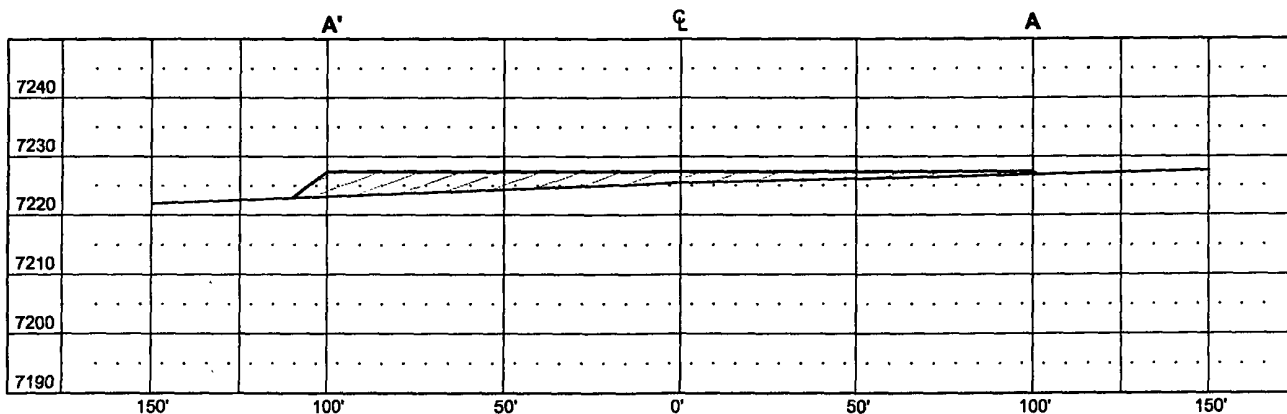
CARRACAS 15A #11  
120' FSL & 440' FEL  
LOCATED IN THE SE/4 SE/4 OF SECTION 15,  
T32N, R5W, N.M.P.M.,  
RIO ARRIBA, NEW MEXICO  
GROUND ELEVATION: 7227', NAVD 88  
FINISHED PAD ELEVATION: 7227.3', NAVD 88



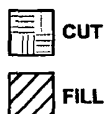
1 FOOT CONTOUR INTERVAL SHOWN  
SCALE: 1" = 50'  
JOB No.: ERG130  
DATE: 07/20/07

**RX5**  
Russell Surveying  
1409 W. Aztec Blvd. #2  
Aztec, New Mexico 87410  
(505) 334-8637

**CARRACAS 15A #11**  
**120' FSL & 440" FEL**  
**LOCATED IN THE SE/4 SE/4 OF SECTION 15,**  
**T32N, R5W, N.M.P.M.,**  
**RIO ARRIBA, NEW MEXICO**  
**GROUND ELEVATION: 7227', NAVD 88**  
**FINISHED PAD ELEVATION: 7227.3', NAVD 88**



VERT. SCALE: 1" = 30'  
HORIZ. SCALE: 1" = 50'  
JOB No.: ERG130  
DATE: 07/20/07



~~RS~~

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

**Pit Inspection Log Sheet**

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

<b>Well Name:</b> <u>CARRACAS 15A #11</u>		<b>API:</b> <u>30-039-30469</u>
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>5-31-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-1-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-2-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-3-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-4-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-5-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-6-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-7-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-8-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-9-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-10-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-10-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-12-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-13-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-14-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>J. K. Dennington</u>	Date: <u>6-15-09</u>
Note Any Deficiencies: <u>NONE</u>		



### Pit Inspection Log Sheet

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

<b>Well Name:</b> <u>CARRACAS 15A # 11</u>		<b>API:</b> <u>30-039-30469</u>
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>[Signature]</u>	Date: <u>6-16-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>[Signature]</u>	Date: <u>6-17-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>[Signature]</u>	Date: <u>6-18-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>[Signature]</u>	Date: <u>6-19-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>[Signature]</u>	Date: <u>6-20-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print): <u>KEN DENNINGTON</u>	Signature: <u>[Signature]</u>	Date: <u>6-21-09</u>
Note Any Deficiencies: <u>NONE</u>		
Name (Print):	Signature:	Date:
Note Any Deficiencies:		
Name (Print):	Signature:	Date:
Note Any Deficiencies:		
Name (Print):	Signature:	Date:
Note Any Deficiencies:		
Name (Print):	Signature:	Date:
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Name (Print):	Signature:	Date:
Note Any Deficiencies:		
Name (Print):	Signature:	Date:
Note Any Deficiencies:		



## Pit Inspection Log Sheet

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

Well Name:	CARRACAS 15 A <sup>#</sup> 11	API:	30 0393 0469
Name (Print):	Dewayne Blance	Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	6-25-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	6-26-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	6-27-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	6-28-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	6-29-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	6-30-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	7-1-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	7-2-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	7-3-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	7-4-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	7-5-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	7-6-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	7-7-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	7-8-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	7-9-09
Name (Print):		Signature:	D. Blance
Note Any Deficiencies:	NONE	Date:	7-10-09

Completion Rig Released @ 1700 Hrs on 7-10-09

**Pit Inspection Log Sheet**

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

<b>Well Name:</b> <u>BARRACAS 15A # 11</u>		<b>API:</b> <u>30-039-30469</u>
<b>Name (Print):</b> <u>Ken Dennington</u>	<b>Signature:</b> <u>[Signature]</u>	<b>Date:</b> <u>6-16-09</u>
<b>Note Any Deficiencies:</b> <u>None</u>		
<b>Name (Print):</b> <u>Ken Dennington</u>	<b>Signature:</b> <u>[Signature]</u>	<b>Date:</b> <u>6-17-09</u>
<b>Note Any Deficiencies:</b> <u>None</u>		
<b>Name (Print):</b> <u>Ken Dennington</u>	<b>Signature:</b> <u>[Signature]</u>	<b>Date:</b> <u>6-18-09</u>
<b>Note Any Deficiencies:</b> <u>None</u>		
<b>Name (Print):</b> <u>Ken Dennington</u>	<b>Signature:</b> <u>[Signature]</u>	<b>Date:</b> <u>6-19-09</u>
<b>Note Any Deficiencies:</b> <u>None</u>		
<b>Name (Print):</b> <u>Ken Dennington</u>	<b>Signature:</b> <u>[Signature]</u>	<b>Date:</b> <u>6-20-09</u>
<b>Note Any Deficiencies:</b> <u>None</u>		
<b>Name (Print):</b> <u>Ken Dennington</u>	<b>Signature:</b> <u>[Signature]</u>	<b>Date:</b> <u>6-21-09</u>
<b>Note Any Deficiencies:</b> <u>None</u>		
<b>Name (Print):</b> <u>Bill Vocke</u>	<b>Signature:</b> <u>[Signature]</u>	<b>Date:</b> <u>6-29-09</u>
<b>Note Any Deficiencies:</b> <u>None</u>		
<b>Name (Print):</b>	<b>Signature:</b>	<b>Date:</b> <u>7-6-09</u>
<b>Note Any Deficiencies:</b>		
<b>Name (Print):</b>	<b>Signature:</b>	<b>Date:</b> <u>8-13-09</u>
<b>Note Any Deficiencies:</b>		
<b>Name (Print):</b>	<b>Signature:</b>	<b>Date:</b> <u>9-20-09</u>
<b>Note Any Deficiencies:</b>		
<b>Name (Print):</b>	<b>Signature:</b>	<b>Date:</b> <u>7-27-09</u>
<b>Note Any Deficiencies:</b>		
<b>Name (Print):</b>	<b>Signature:</b>	<b>Date:</b> <u>8-3-09</u>
<b>Note Any Deficiencies:</b>		
<b>Name (Print):</b>	<b>Signature:</b>	<b>Date:</b> <u>8/10/09</u>
<b>Note Any Deficiencies:</b>		
<b>Name (Print):</b>	<b>Signature:</b>	<b>Date:</b>
<b>Note Any Deficiencies:</b>		
<b>Name (Print):</b>	<b>Signature:</b>	<b>Date:</b>
<b>Note Any Deficiencies:</b>		
<b>Name (Print):</b>	<b>Signature:</b>	<b>Date:</b>
<b>Note Any Deficiencies:</b>		

# COVER PAGE

RCVD JAN 30 '12

DIL CONS. DIV.

ENERGEN RESOURCES  
2010 AFTON PLACE  
FARMINGTON NM 87401

DIST. 3

OGRID # 162928

WELL NAME CAPACAS 15A #11

API 30 - 039 - 30469

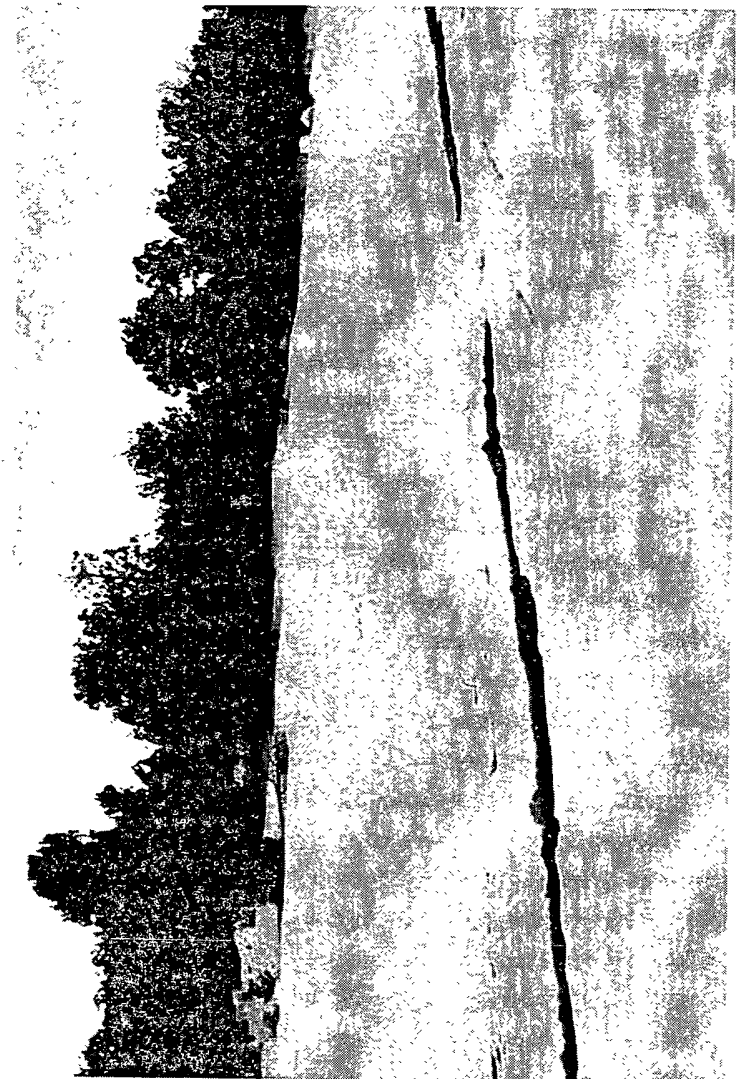
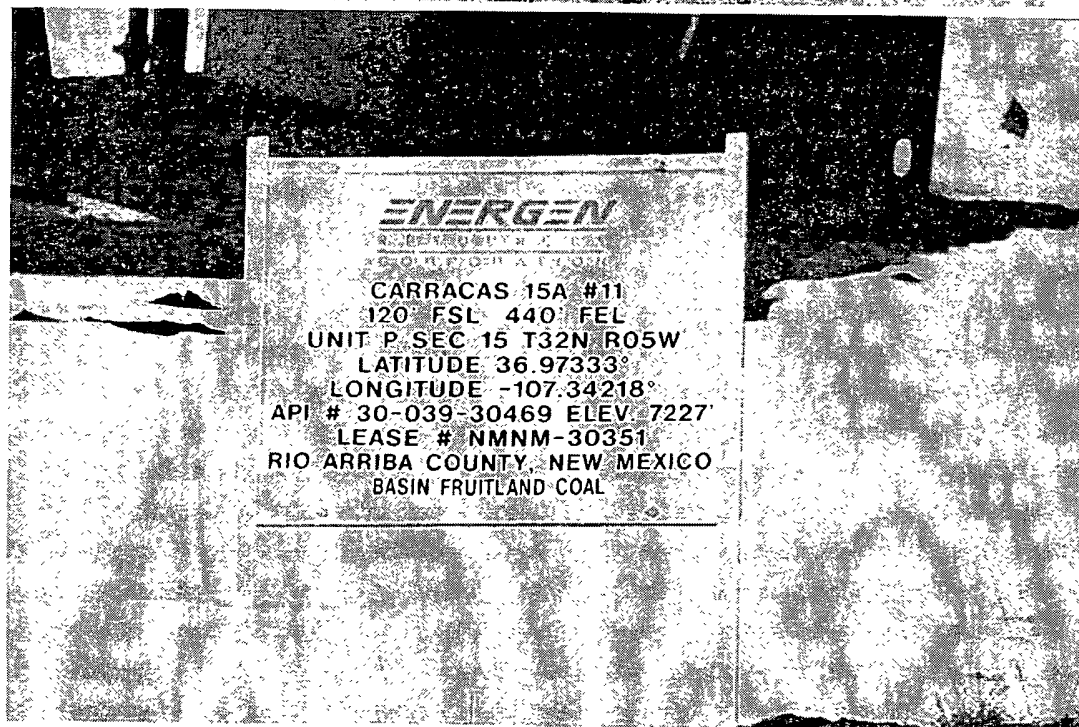
PERMIT 4011

C102/PHOTOS/MARKERS.

\_\_\_\_\_  
\_\_\_\_\_

ENERGEN RESOURCES  
CARRACAS 15A #11  
LAT 36.97317  
LONG -107.34218  
RESERVE PIT MAR

LAT - 36.97317  
LONG - 107.34218



DISTRICT I  
1925 N. French Dr., Hobbs, N.M. 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised October 12, 2005

DISTRICT II  
1301 W. Grand Avenue, Artesia, N.M. 88210

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code	*Pool Name BASIN FRUITLAND COAL
*Property Code	*Property Name CARRACAS 15 A		*Well Number 11
*GRID No.	*Operator Name ENERGEN RESOURCES CORPORATION		*Elevation 7227'

<sup>10</sup> Surface Location

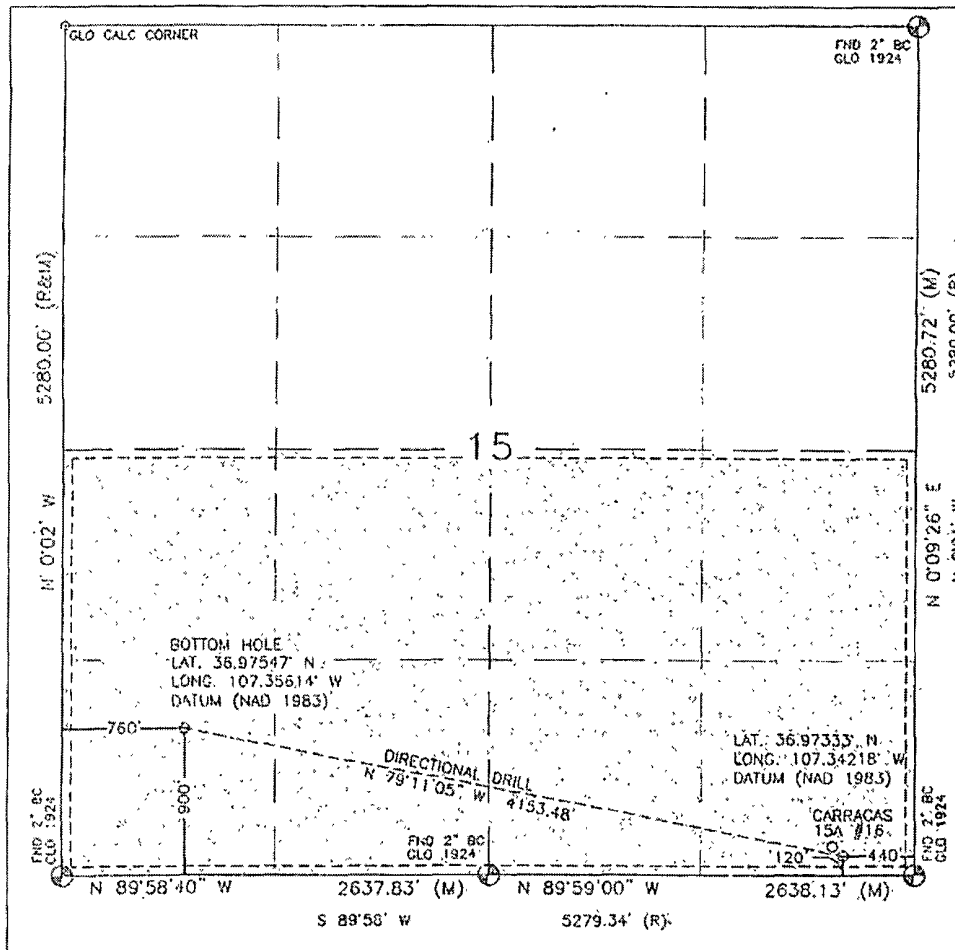
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	15	32N	5W		120'	SOUTH	440'	EAST	RIO ARriba

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	15	32N	5W		900'	SOUTH	760'	WEST	RIO ARriba
**Dedicated Acres 320.00 Acres - S/2			**Joint or Infill		**Consolidation Code		**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



<sup>17</sup> 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, or a compulsory pooling order heretofore entered by the division.

*Nathan Smith* 1-11-08  
Signature Date

*Nathan Smith*  
Printed Name

<sup>18</sup> 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.

OCTOBER 13, 2005

Date of Survey

Signature and Seal of Professional Surveyor:

*David R. Russell*  
DAVID R. RUSSELL  
NEW MEXICO  
REGISTERED PROFESSIONAL LAND SURVEYOR  
1921

DAVID RUSSELL

Certificate Number 10201