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.

## 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: Energen Resources Corporation OGRID#: 162928			
Address: 2010 Afton Place, Farmington, NM 87401			
Facility or well name: Carracas 9B #16 H			
API Number: 30-039-30821 OCD Permit Number:			
U/L or Qtr/Qtr L Section 9 Township 32N Range 04W County: RIO ARRIBA			
Center of Proposed Design: Latitude 36.99942 N Longitude −107.26838 W NAD: 1927 🗓 1983			
Surface Owner: X Federal State Private Tribal Trust or Indian Allotment			
□ Permanent □ Emergency □ Cavitation □ P&A   □ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other   □ String-Reinforced   Liner Seams: □ Welded □ Factory □ Otherv D    Volume: bbl Dimensions: Lx Wx D			
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)			
Below-grade tank: Subsection I of 19.15.17.11 NMAC  Volume: bbl Type of fluid:  Tank Construction material:  Secondary containment with leak detection			
Liner type: Thicknessmil			

☐ Alternative Method:

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

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)	
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, scho institution or church)	ol, hospital,
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  Matthewarters (If a trive a constraint and the size II of society)	
Monthly inspections (If netting or screening is not physically feasible)	
Signs: Subsection C of 19.15.17.11 NMAC	
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
Signed in compliance with 19.15.3.103 NMAC	
Administrative Approvals and Exceptions:  Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.  Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Busconsideration of approval.	reau office for
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
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 ac material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the ap office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drabove-grade tanks associated with a closed-loop system.	propriate district of approval.
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
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
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

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:  Instructions: Each of the following items must be attached to the application. Please indicate, by a check attached.  Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsect Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 Nor 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 requirement 19.15.17.13 NMAC	ion B of 19.15.17.9 NMAC of Subsection B of 19.15.17.9 NMAC IMAC
Previously Approved Design (attach copy of design) API Number: or Perm	nit Number:
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a checattached.  Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragrap Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.11 NMAC  Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.13 NMAC	h (3) of Subsection B of 19.15.17.9 irements of 19.15.17.10 NMAC
Previously Approved Design (attach copy of design)  API Number:	
Previously Approved Operating and Maintenance Plan API Number:  above ground steel tanks or haul-off bins and propose to implement waste removal for closure)	(Applies only to closed-loop system that use
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 attached.  Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 N  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 N  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  Liner Specifications and Compatibility Assessment - based upon  Quality Control/Quality Assurance Construction and Installation Plan the appropriate requirements of 19.15.17.12 NMAC  Freeboard and Overtopping Prevention 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  Since 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  Collimatological Factors Assessment  Discourse Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  Collimatological Factors Assessment  Discourse Plan - based upon the appropriate requirements of 19.15.17.9 NMAC and 19.	MAC NMAC 11 NMAC 19.15.17.11 NMAC NMAC
Proposed Closure: 19.15.17.13 NMAC  Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed clo  Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below 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	w-grade Tank 🕱 Closed-loop System
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of 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  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 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	of 19.15.17.13 NMAC 1 H of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Grounstructions: Please indentify the facility or facilities for the disposal of liquid	und Steel Tanks or Haul-off Bins Only: (19.15.17.13.[ s, drilling fluids and drill cuttings. Use attachment if mor	O NMAC) re than two
facilities are required.  Disposal Facility Name:	Disposal Facility Permit Number:	<del></del>
Disposal Facility Name:	Disposal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities operations?  Yes (If yes, please provide the information below)  No	es occur on or in areas that will not be used for future ser	vice and
Required for impacted areas which will not be used for future service and open  Soil Backfill and Cover Design Specifications based upon the appro  Re-vegetation Plan - based upon the appropriate requirements of Subset	priate requirements of Subsection H of 19.15.17.13 NM/cction I of 19.15.17.13 NMAC	AC
Siting Criteria (regarding on-site closure methods only: 19.15.17.10 NMAI Instructions: Each siting criteria requires a demonstration of compliance in provided below. Requests regarding changes to certain siting criteria may re be considered an exception which must be submitted to the Santa Fe Enviror and/or demonstrations of equivalency are required. Please refer to 19.15.17.	the closure plan. Recommendations of acceptable sou. quire administrative approval from the appropriate dist nmental Bureau office for consideration of approval. J	rict office or may
Ground water is less than 50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS	; Data obtained from nearby wells	Yes No
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS		Yes No
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 othe lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed significant of the propose		Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or ch - Visual inspection (certification) of the proposed site; Aerial photo; Sa		Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring tha watering purposes, or within 1000 horizontal feet of any other fresh water well  NM Office of the State Engineer - iWATERS database; Visual inspec	or spring, in existence at the time of initial application.	☐ Yes ☐No
Within incorporated municipal boundaries or within a defined municipal fresh adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written a		☐ 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-M	lining and Mineral Division	☐ Yes ☐No
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Good Society; Topographic map	eology & Mineral Resources; USGS; NM Geological	☐ Yes ☐ No
Within a 100-year floodplain FEMA map		☐ Yes ☐ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each by a check mark in the box, that the documents are attached.	of the following items must be attached to the closure pla	n. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements Proof of Surface Owner Notice - based upon the appropriate requirements Construction/Design Plan of Burial Trench (if applicable) based upon the Construction/Design Plan of Temporary Pit (for in-place burial of a drying Protocols and Procedures - based upon the appropriate requirements of 19 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements Waste Material Sampling Plan - based upon the appropriate requirements Disposal Facility Name and Permit Number (for liquids, drilling fluids and Soil Cover Design - based upon the appropriate requirements of Subsection Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	of Subsection F of 19.15.17.13 NMAC appropriate requirements of 19.15.17.11 NMAC g pad) - based upon the appropriate requirements of 19.15.15.17.13 NMAC equirements of Subsection F of 19.15.17.13 NMAC of Subsection F of 19.15.17 13 NMAC d drill cuttings or in case on-site closure standards cannot on H of 19.15.17.13 NMAC on I of 19.15.17.13 NMAC	

Operator Application Certification:  I hereby certify that the information submitted with this application is true, accurate and contains the contai	nplete to the best of my knowledge and belief.	
Name (Print): Tit	ile:	
Signature: Da	ite:	
e-mail address: Te	lephone:	
OCD Approval: Permit Application (including closure plan) Closure Plan	r(only) OCD Conditions (see attachment)	
OCD Representative Signature:	pproval Date: 6/09/2011	
Title: Compliance Office OCD Perm	it Number:	
· · · · · · · · · · · · · · · · · · ·		
Closure Report (required within 60 days of closure completion): Subsection K of 19.15 Instructions: Operators are required to obtain an approved closure plan prior to impleme report. The closure report is required to be submitted to the division within 60 days of the complete this section of the form until an approved closure plan has been obtained and the	nting any closure activities and submitting the closure completion of the closure activities. Please do not	
☑ Clos	sure Completion Date: 8/16/10	
Closure Method:  Waste Excavation and Removal On-Site Closure Method Alternative Closure I If different from approved plan, please explain.	Method X Waste Removal (Closed-loop systems only)	
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utili Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids than two facilities were utilized.  Disposal Facility Name: Bondad Landfill WCA Disposal Facility Name: Bondad Landfill WCA	and drill cuttings were disposed. Use attachment if more	
Disposal Facility Name: Disposal Fac	cility Permit Number:	
Were the closed-loop system operations and associated activities performed on or in areas the Yes (If yes, please demonstrate compliance to the items below)	at will not be used for future service and operations?	
Required for impacted areas which will not be used for future service and operations:  Site Reclamation (Photo Documentation)  Boil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique		
Closure Report Attachment Checklist: Instructions Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.  Proof of Closure Notice (surface owner and division)  Proof of Deed Notice (required for on-site closure)  Plot Plan (for on-site closures and temporary pits)  Confirmation Sampling Analytical Results (if applicable)  Waste Material Sampling Analytical Results (required for on-site closure)  Disposal Facility Name and Permit Number  Soil Backfilling and Cover Installation  Re-vegetation Application Rates and Seeding Technique  Site Reclamation (Photo Documentation)  On-site Closure Location: Latitude		
25		
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report is to belief. I also certify that the closure complies with all applicable closure requirements and complies.		
Name (Print): Anna Stotts	itle: Regulatory Analyst	
Signature: D	ate:6/1/11	
e-mail address: astotts@energen.com To	elephone:505-324-4154	



### CLOSED-LOOP SYSTEM

### Design Plan

The closed loop system will include a drying pad and sump to facilitate the collection of liquids derived from drill cuttings and an above ground steel holding tank suitable for generated cuttings and fluids during 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) The drying pad will be constructed by 6 inches of clay dirt over a 20-mil string-reinforced LLDPE liner to prevent infiltration of any draining liquid.
- 3) Run-off will be prevented from lined ditches on the perimeter of the drying pad.
- 4) Berms will also be constructed on the outside perimeter to prevent run-on of water or fluids.
- 5) It will be signed in compliance with 19.15.3.103 NMAC.

### **Operating and Maintenance Plan**

A modified steel tank will be operated and maintained; to contain liquids and drill cuttings, 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 in the closed-loop tank will be re-circulated through the mud system or vacuumed and disposed of at Envirotech (Permit Number NM-01-0011) or IEI/JFJ Landfarm (#NM-01-0010B) on a periodic basis to prevent over topping.
- 2) As drill solids are generated, a front-end loader removes the waste and will begin stacking it on a drying pad.
- 3) Small amounts of dirt or lime my added to aid in drying.
- 4) 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.
- 5) 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.
- 6) All of the above operations will be inspected and a log will be signed and dated. During rig operations the inspection will be daily.

### Closure Plan

The closed loop holding tank will be closed in accordance with 19.15.17.13. To accomplish this, all cuttings on the drying pad and any remaining fluids in the holding tank will be hauled to **Envirotech** (Permit # NM-01-0011) or **IEUJFL Landfarm** (# NM-01-0010B) immediately following rig operations. The tanks will be removed from location as part of the rig move, and stacked cuttings to a commercial disposal site mentioned above. The APD Conditions of Approval will be followed for cite reclamation.

#### Completion Plan

A closed-loop tank will be set on location once drilling operations have ceased. The closed-loop tank will measure 20 ft height by 12 ft diameter (400 BBL) or 20 ft height by 10 ft 6 in diameter (300 BLL). It will be designed, operated, maintained and closed according to the attached Closed-loop Design Plan, Closed-loop Operating and Maintenance Plan, and Closed-loop Closure Plan.



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

Client:	Energen	Project #:	03022-0168
Sample ID:	07141001	Date Reported:	07-16-10
Laboratory Number:	55167	Date Sampled:	07-14-10
Chain of Custody No:	9964	Date Received:	07-15-10
Sample Matrix:	Soil	Date Extracted:	07-15-10
Preservative:	Cool	Date Analyzed:	07-16-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	129	0.2
Diesel Range (C10 - C28)	21.5	0.1
Total Petroleum Hydrocarbons	151	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 9B #16H

Analyst

Review



### TRACE METAL ANALYSIS

Client:	Energen	Project #:	03022-0168
Sample ID:	07141001	Date Reported:	07-20-10
Laboratory Number	55167	Date Sampled:	07-14-10
Chain of Custody:	9964	Date Received:	07-15-10
Sample Matrix:	Soil	Date Analyzed:	07-20-10
Preservative:	Cool	Date Digested:	07-16-10
Condition:	Intact	Analysis Needed:	Total Metals
	_	Dilution	10
	-	Det.	
	Concentration	Limit	
Parameter	(mg/Kg)	· (mg/Kg)	1
Arsenic	ND	0.01	
Barium	1,960	0.01	
Cadmium	ND	0.01	
Chromium III	76.6	0.01	
Copper	69.4	0.01	
Lead	18.0	0.01	
Mercury	0.77	0.01	
Nickel	ND	0.01	
Selenium	ND	0.01	
Silver	ND	0.01	
Zinc	46.8	0.01	

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

Carracas 9B #16H

Analyst



### **BORON/NICKEL** Hot Water Soluable

- ---

Client: Energen Project #: 03022-0168 Sample ID: 07141001 Date Reported: 07-20-10 Laboratory Number: 55167 Date Sampled: 07-14-10 Chain of Custody: 9964 Date Received: 07-15-10 Sample Matrix: Soil Date Analyzed: 07-20-10 Preservative: Cool Date Digested: 07-06-10 Condition: Intact Analysis Needed: B - Hot Water Sol Dilution 10 . . . Det. Concentration Limit Parameter (mg/Kg) (mg/Kg) **Boron** 1.67 0.01

ND - Parameter not detected at the stated detection limit.

References:

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Comments:

Carracas 9B #16H

Analyst

Review



### pH analysis

Client <sup>.</sup>	Energen	Project #:	03022-0168
Sample ID:	07141001	Date Reported:	07-20-10
Laboratory Number.	55167	Date Sampled:	07-14-10
Chain of Custody:	9964	Date Received.	07-15-10
Sample Matrix:	Soil	Date Extracted:	07-20-10
Preservative:	Cool	Date Analyzed:	07-20-10
Condition:	Intact	·	

	Parameter	Analytical Result	 Units	1
рН		7.94	su	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

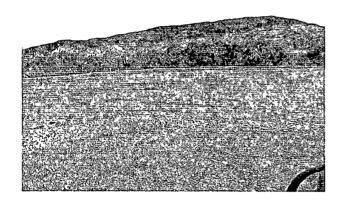
Comments: Carracas 9B #16H

Analyst

Review

This picture shows the area where the drying pad was on the Carracas 9B#16H, there was no sign of any release from the drying pad.

Bíll vocke construction foreman ENERGEN RESC. (505)330 2519





## Pit Inspection Log Sheet

DEYING PAS

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

Well Name: CARRACAS 9B	16 H API: 3003930	821
Name (Print): JACK ONEAL	Signature: Good 102mol	Date: 7-19-2010
Note Any Deficiencies: ル の		
Name (Print): JACK ONEAL	Signature: Cach & Oreel	Date: 7-20-2010
Note Any Deficiencies: ル るんと		
Name (Print): JACK ONEAL	Signature: Joel Ones	Date: 7- 21-2010
Note Any Deficiencies: いんんど		
Name (Print): JACK ONEAL	Signature: John Oreal	Date: 7-22-2010
Note Any Deficiencies: ルゥルモ		
Name (Print): JACK ONEAL	Signature: Jack 109vil	Date: 7-23-2010
Note Any Deficiencies: いついて		
Name-(Print): JACK ONEAL	Signature: Geh. Ones	Date: 7-26-20/0
Note Any Deficiencies: ルゥルビ		
Name (Print): JACK ONEAL	Signature: Judd over	Date: 7-27-20/0
Note Any Deficiencies: ルのいと		
Name (Print): JACK ONEAL	Signature: Juck / Oreal	Date: 7-28-20/0
Note Any Deficiencies: ルらいた		
Name (Print): JACK ONEAL	Signature: Jack Lone	Date: 7-29-2010
Note Any Deficiencies: Nらいど		
Name (Print): JACK ONEAL	Signature: Jack Chen	Date: 7-30-2010
Note Any Deficiencies: NONE		
Name (Print): JACK ANEAL	Signature: Gach & Drewl	Date: 8-2-2010
Note Any Deficiencies: かるんど		
Name (Print): JACK ONEAL	Signature: Jak Cores	Date: <b>§-3-2010</b>
Note Any Deficiencies: ルゥルと		
Name (Print): JACK DNEAL	Signature: Gred Consul	Date: 8-4-2010
Note Any Deficiencies: ろんり		
Name (Print): JACK ONEAL	- Signature: Just Orecl	Date: 8-5-2010
Note Any Deficiencies: 1015		
Name (Print): JACK OSEAC	Signature: Ach Ored	Date: 8-6-2010
Note Any Deficiencies: Note Any Deficiencies:		
Name (Print):	Signature:	Date:
Note Any Deficiencies:		



# Pit Inspection-Log-Sheet

DRYINGFAD

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

Well Name: Corranas 98 4 )	6H API: 30-039	7-30821
Name (Print) Keith Henry came	Signature: A. A.	Date: 6/17/19.
Note Any Deficiencies. De A.	7	
Name (Print) Karth Herrschier	Signature.	Date: 6 / 2 / 20
Note Any Deficiencies 💪 a 👡	<i>'</i>	
Name (Print). Stando Politica	Signature Show Charlet	Date 6/13/10
Note Any Deficiencies これのかん	· · · · · · · · · · · · · · · · · · ·	
Name (Print) Nick Gorge	Signature:	Date: 6-14-10
Note Any Deficiencies Cood!		
Name (Print). Elias Villalohas	Signature 24 /4/032	Date 6-15-10
Note Any Deficiencies すす ら こくこんか		
Name (Print) Nick Corc.s	Signature With Accumum	Date: 6-16-10
Note Any Deficiencies: ೨೮೦೪		
Name (Print): Don Tewille	Signature: Long Lauther	Date: 4-17-10
Note Any Deficiencies Good		
Name (Print): Dow TRuis 116	Signature: 1/00 The Istable	Date: 6-18-10
Note Any Deficiencies: TeaR 40 Flan	IN FINTROMICE - DRIVIER S	ide ( -
Name (Print): Nick Garria	Signature. Mills Dispece	Date: (a -/ a -( c)
Note Any Deficiencies: Same TeaR	in Dit-	
Name (Print): Fay Johnson	Signature:	Date (0/20/10
Note Any Deficiencies SAW		· · · · · · · · · · · · · · · · · · ·
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