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

Troposed Attendary of Vietnod 1 entire of Crossate Flan 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 27B #16H
API Number: 30-039-31056 OCD Permit Number: 8525
U/L or Qtr/Qtr M Section 26 Township 32N Range 04W County: Rio Arriba
Center of Proposed Design: Latitude
Surface Owner: X Federal State Private Tribal Trust or Indian Allotment
Pit: Subsection F or G of 19.15.17.11 NMAC RCVD MAR 20 '12 OIL CONS. DIV.
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:
5 Alternative Method:

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

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school	ool, hospital.
institution or church)	ion, noopman,
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)	
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 Burconsideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	reau office for
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 application of the same 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 ☐ 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
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: 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:
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 19.15.17.19 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon Quality Control/Quality Assurance Construction and Installation Plan the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H2S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
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)
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 G of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Talentructions: Please indentify the facility or facilities for the disposal of liquids, drilling flat facilities are required.	uids and drill cuttings Use attachment if mo	re than two
Disposal Facility Name:		
Disposal Facility Name: Disposal F	•	
Will any of the proposed closed-loop system operations and associated activities occur on operations? Yes (If yes, please provide the information below) No	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 operations: Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection I of 19 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of	0.15.17.13 NMAC	AC
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 provided below. Requests regarding changes to certain siting criteria may require admin be considered an exception which must be submitted to the Santa Fe Environmental Bur and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for	istrative approval from the appropriate dist eau 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 obtain	ned from nearby wells	Yes X No
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtain	ned 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 obtain	ned from nearby wells	X Yes □ No □ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	watercourse or lakebed, sinkhole, or playa	Yes X No
Within 300 feet from a permanent residence, school, hospital, institution, or church in exist - 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 fi watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, ir NM Office of the State Engineer - iWATERS database; Visual inspection (certific	existence at the time of initial application.	Yes X No
Within incorporated municipal boundaries or within a defined municipal fresh water well for adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtains	·	Yes 👿 No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspe	ction (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 M	ineral Division	Yes 🗷 No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mi Society; Topographic map	neral Resources; USGS; NM Geological	Yes X No
Within a 100-year floodplain FEMA map		☐ Yes 👿 No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the follow by a check mark in the box, that the documents are attached.	ing items must be attached to the closure pla	n. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NN Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cutting Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15 Site Reclamation Plan - based upon the appropriate requirements of Subsection I of 19.15	n F of 19.15.17.13 NMAC requirements of 19.15.17.11 NMAC I upon the appropriate requirements of 19.15 MAC of Subsection F of 19.15.17.13 NMAC of F of 19 15.17.13 NMAC s or in case on-site closure standards cannot .17.13 NMAC 17.13 NMAC	

Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate an	d complete to the best of my knowledge and belief.
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:
20. OCD Approval: □ Permit Application (including closure plan) □ Closure	
OCD Representative Signature:	Approval Date: 3/20/2012
Title: Compliance Office Octor	Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of Instructions: Operators are required to obtain an approved closure plan prior to impreport. The closure report is required to be submitted to the division within 60 days of complete this section of the form until an approved closure plan has been obtained an	lementing any closure activities and submitting the closure f the completion of the closure activities. Please do not ad the closure activities have been completed.
Lxl	Closure Completion Date: 10/21/11
Closure Method: Waste Excavation and Removal Constitution On-Site Closure Method Alternative Closure If different from approved plan, please explain.	sure Method Waste Removal (Closed-loop systems only)
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Instructions: Please indentify the facility or facilities for where the liquids, drilling for than two facilities were utilized. Disposal Facility Name:	uids and drill cuttings were disposed. Use attachment if more
Disposal Facility Name: Disposa	ıl Facility Permit Number:
Were the closed-loop system operations and associated activities performed on or in are Yes (If yes, please demonstrate compliance to the items below)	as that 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) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	
Closure Report Attachment Checklist: Instructions: Each of the following items mulmark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude 36.95358 Longitude	st be attached to the closure report. Please indicate, by a check -107.23083 NAD: □ 1927 1983
25	
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report belief. I also certify that the closure complies with all applicable closure requirements and attachments.	
Name (Print): Anna Stotts	Title: Regulatory Analyst
Signature:Sotts ·	Date: <u>astotts@energen</u>
e-mail address: 505-324-4154	Telephone:3/6/12

Well Name: Carracas 27B #16H

Reserve Pit – Final Closure Report

The pit will be closed with in place burial. If the pit is located on private surface, the surface owner will be notified prior to closure by certified mail and the return receipt will be included in the closure packet. The OCD will be verbally or by other means notified at least 72 hours and not more then one week prior to the pit closing. The following process will be used to close the pit:

Notification to the OCD is included in this closure report package. Surface owner notification not required.

1) At time of closure, all free standing fluids will be removed and reused or disposed with Agua Moss LLC in the Pretty Lady #1 (Disposal API Number # 30-048-30922) or an Energen operated permitted disposal well. The contents will be solidified to a bearing capacity sufficient to support the final cover. This will be accomplished by mixing the contents with soil at a mixing ratio no greater then 3:1 soil to contents.

The pit contents were solidified by mixing the contents with soil at a mixing ratio of less than 3:1.

2) The liner will be cut off at the mud line of the stabilized contents.

The liner was cut off at the mud line of the stabilized contents.

3) Sampling will be done by collecting a minimum of a five-point composite sample of the contents after stabilization. The sample will be analyzed for the following components (if the groundwater is less than 100 feet below the pit but greater than 50 feet, testing for chlorides will be done to the lower limit):

Components	Tests Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2	ND
BTEX	EPA SW-846 8021B or 8260B	50	.0118
TPH	EPA SW-846 418.1	2500	141
GRO/DRO	EPA SW-846 8015M	500	22.5
Chlorides	EPA 300.1	500 /1000	360

Sampling results are listed in the above table.

4) After demonstrating that the stabilized contents are under the limits listed -- above, the contents will be covered with compacted non-waste containing

earthen material to a minimum of three feet. If stabilized contents exceed a volume that can be covered with three feet of earth and a foot of topsoil the excess contents will be removed and sent to Envirotech (Permit NM-01-0011) or IEI Landfarm (Permit NM-01-0010B). If the stabilized contents do no meet the above stated limits the stabilized contents will all be hauled to Envirotech pursuant to excavation and removal guidelines (19.15.17.13 B1).

The contents were covered with three feet of compacted non-waste containing material.

5) After the stabilized contents have been covered, the stockpiled topsoil will be replaced to a minimum depth of one foot. Topsoil cover will be graded to prevent ponding of water and erosion of the cover material. This will be accomplished within six months of rig release.

The stockpiled topsoil was replaced to a depth of one foot and graded to prevent ponding and erosion.

6) The exact location of the on-site burial will be reported to the Aztec field office on the C-105 form. A deed notice identifying the exact location of the on-site burial will be filed with the county clerk if the pit is on private surface.

The C-105 form is attached. This pit is located on public surface. Proof of Deed notice not required unless pit is located on private surface (per NMOCD FAQ dated 10/30/09).

7) The final closure report (C-144) will be filed within 60 days of closure completion and include sampling results, plot plan, details on backfilling, covering and inspections during the life of the pit.

This closure report includes sampling results, plot plan, closure details, inspections, and photos.

8) If the pit is located on federal or tribal surface, seeding will be deferred to BLM requirements per the BLM / OCD MOU. Otherwise, the disturbed area 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.

The pit is located on Federal or Tribal surface, seeding is deferred to BLM requirements per the BLM / OCD MOU.

9) Until the abandonment of the wells on the pad where the pit is located, a steel marker no less then four inches in diameter will be cemented in a hole three feet deep in the center of the onsite burial. The top of this marker will be flush with the ground. Once all wells on the pad are abandoned, a four foot tall riser will be welded on top of the marker with; operator name, lease number, well name and number, unit number, section, township and range, and a designation that it is an onsite burial location.

The marker was installed in the center of the closed pit. The marker is set flush to the ground until final abandonment. At the time of abandonment, a four foot riser will be installed and marked as follows: Energen Resources – Lease # NMNM66864 – Carracas 27B 16H-Unit M Sec. 26, T32N, R04W – Pit Burial Site.

Submit to Appropri Five Copies District I 1625 N French Di	•			State of New Mexico Energy, Minerals and Natural Resources			ces	Form C-105 July 17, 2008							
District II. 1301 W Grand Av District III. 1000 Rio Brazos F District IV. 1220 S St. Francis	Rd, Aztec, 1	VM 874	410	OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505					30-039-31056 2. Type Of Lease STATE FEE FED/INDIAN 3. State Oil & Gas Lease No.						
\	COMPL				MDI ETION	DEDOD	T AND						Lecendro Di	1/2 h m # 22 20	
4. Reason for fi		EIIC	JN OR RI	ECOI	MPLETION	REPOR	I AND	LOG			5 Lease N			Miller Falses	
_	Ü	EΒΔΙ	DT (Eill in he	#1	through #31 fo	- Ctata and E		1- 0			Carraca		Ū	reement iv	airie
	LOSURE	ATTA	ACHMENT	(Fill in	boxes #1 throu	gh #9. #15 E	Date Rig R	eleased ar	nd #32	and/or	6. Well Nu	mber	7.5		
9. Type of Com		¬	iony oven			7								_	
8 Name of Ope		W	ORKOVER	<u> Ц</u>	DEEPENING C	→ PLUGBA	ACK L	DIFFER	ENT	RESERVO	9 OGRID			losure	
Energen 1		es (Corporati	on_								928			
10 Address of	Operator										11. Pool	name	or Wildca	t	
2010 Aft			Farmingt	on,	NM 87401	I _								nd Coal	Ic
12 Location Surface.	Unit Let	ter	Section		Township	Range	Lot	;	Feet f	from the	N/S Line	Feet	from the	E/W Line	County
BH:	<u>M</u>		26	- 1	32N	04W					<u> </u>				
13. Date Spudd	ed 14	. Date	e T D. Reach	ed	15. Date Rig 8/17/1			16. Da	ite Cor	mpleted (I	Ready to Pro	duce)	17. RT,	Elevations GR, etc)	(DF & RKB,
18 Total Meas	ured Deptl	of W	/ell		19. Plug Bacl		Depth	20. W	as Dire	ectional S	urvey Made	2	21. Type	Electric an	d Other Logs Run
22. Producing I	nterval(s),	of thi	is completion	- Тор,	Bottom, Name				_						
23.				(CASING R	ECORD	(Repo	rt all str	ings	set in v	well)				
CASING	SIZE	V	VEIGHT LB	/FT	DEPTH	SET	HO	LE SIZE		C	EMENTING	G REC	CORD	AM	OUNT PULLED
	-	<u> </u>													
		_			<u> </u>						·				
											-				
24.				LINI	ED DECOD	D				25.	Т'	IIDN	NG REC	CORD	
SIZE	TO)P		BOTTOM SACKS CEMENT			SCR	EEN.			DEPTH SET			PACKER SET	
											-				
26. Perforation	ı record (iı	nterva	l, size, and nu	umber)				27. ACI DEPTH			ACTURE, AMOU				TC. AL USED
28.						PR	ODUC'	TION							
Date First Produ	iction		Product	ion Me	thod (Flowing,	, gas lift, pur	mping - Si	ze and typ	e pum	p)			Well Sta	itus (Prod.	or Shut-ın)
Date of Test			rs Tested		Choke Size	Prod'n Fo Test Perio		Dil - Bbl		Gas - M		√ater -			Oıl Ratio
Flow Tubing Press		Casi	ng Pressure		Calculated 24- Hour Rate	Oil - Bbl		Gas - M	ICF	Wat	ter - Bbl.		Oil Grav	ıty - API -	(Corr.)
29. Disposition	of Gas (S	Sold, u	used for fuel,	vented,	etc)						30	Test \	Witnessed	Ву	
31. List Attach	ments													-	
32. If a tempor	ary pit was	used	at the well, a	ttach a	plat with the lo	cation of the	temporar	y pit							
33. If an on-site						Latitud	e :	36.9535		Long			23083	NAD:	1927 X 1983
I hereby certi Signature	A	MN	WHOH	#	Printe Name	:d		d comple Stotts	te to t	he best o Tit				ef . ys t _{Dai}	e 3/5/12
E-mail addres	s	а	stotts@e	nerge	en.com '√aiile	•				111					-

District 1
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
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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

CEIVED Form C-102

Revised October 12, 2005

Revised October 12, 2005

Revised District Office

OIL CONS. DIV. DIST. 3 State Lease - 4 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Numbe	r ² Pool Code	³ Pool Name	· · ·				
30-039-31056	71629	Basin Fruitland Coal					
⁴ Property Code		roperty Name .	⁶ Well Number 16H				
35664	C	Carracas 27B					
'OGRID No.	*0	⁶ Operator Name					
162928	ENERGEN RES	ENERGEN RESOURCES CORPORATION					

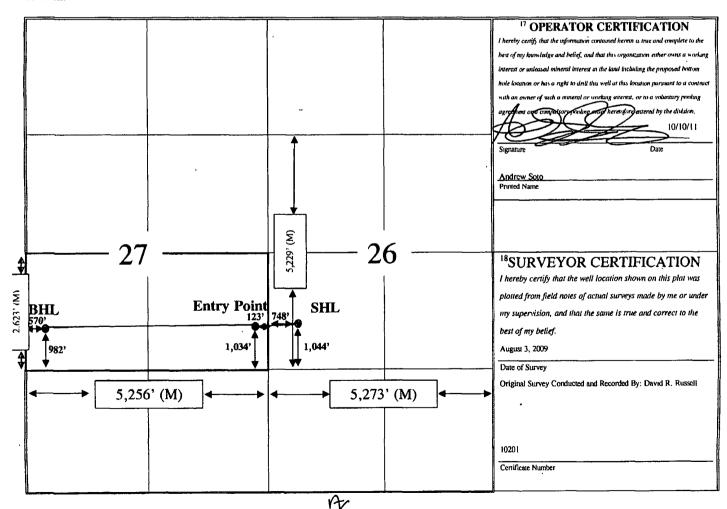
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	26	32N	04W		1,044'	South	748'	West	Rio Arriba
L							L		

11 Bottom Hole Location If Different From Surface

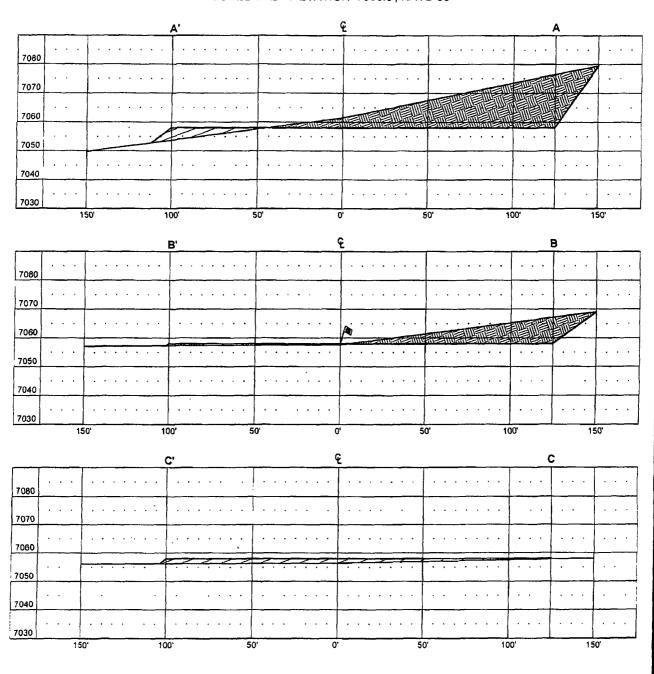
				HOIL LIO	C Location 1	Difficient 140	III Surface		
UL or lot no. M	Section 27	Township 32N	Range 04W	Lot Idn	Feet from the 982'	North/South line South	Feet from the 570°	East/West line West	County Rio Arriba
Dedicated Acres 320 ac S/2	¹³ Joint or	Infill ¹⁴ C	onsolidation	Code 15 Or	der No.				

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.



ENERGEN RESOURCES CORPORATION

CARRACAS 27B #16
1044' FSL & 748' FWL
LOCATED IN THE SW/4 SW/4 OF SECTION 26,
T32N, R4W, N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO
GROUND ELEVATION: 7058', NAVD 88
FINISHED PAD ELEVATION: 7058.0', NAVD 88

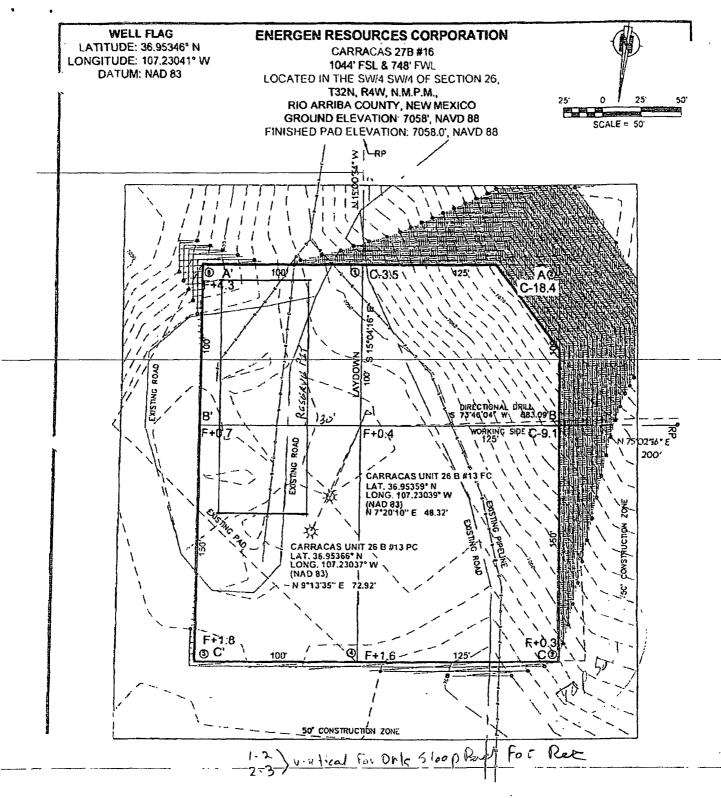


VERT. SCALE: 1" = 30' HORZ. SCALE: 1" = 50' JOB No.: ERG231 DATE: 08/05/09





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



· I FOOT CONTOUR INTERVAL SHOWN SCALE: 1" = 50' JOB No.: ERG231

JOB No.: ERG231 DATE: 08/05/09 DRAWN BY: TWT



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

Anna Stotts

From:

Rocky Hocker [rocky@hockerconstruction.biz]

Sent:

Wednesday, October 05, 2011 2:53 PM

To:

Bill Vocke

Cc:

Doug Thomas; Ed Hasely, Robert Schmidt, Brandon.Powell@state.nm.us; jjmiller@fs.fed us;

Michael Dean, Anna Stotts; Aaron Burleson; Kellie Campbell

Subject:

Carracus 27 b 16

This is a notice that Hocker Construction will be mobing onto the Carracus 27 b 16 to do well sight reclamation. If any one has any questions please call me at (970-749-0391). Thank you, Rocky Hocker

ROCKY HOCKER

(970) 749-0391 CELL (970) 563-9533 OFFICE <u>HOCKER@GOBRAINSTORM.NET</u> <u>ROCKY@HOCKERCONSTRUCTION.BIZ</u>



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

0.9

			Det
		Dilution:	10
Condition:	Intact	Analysis Requested:	BTEX
Preservative:	Cool	Date Extracted:	08-23-11
Sample Matrix:	Soil	Date Analyzed:	08-24-11
Chain of Custody:	12416	Date Received:	08-23-11
Laboratory Number:	59362	Date Sampled:	08-23-11
Sample ID:	08231102	Date Reported:	08-24-11
Client:	Energen	Project #:	03022-0168

Parameter	Concentration (ug/Kg)	Limit (ug/Kg)	
Benzene	ND	0.9	
Toluene	1.3	1.0	
Ethylbenzene	1.2	1.0	
p,m-Xylene	5.9	1.2	
p,m-xylene	5.9	1.2	

o-Xylene	3.4
Total RTEY	11 2

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	82.0 %
	1,4-difluorobenzene	92.3 %
	Bromochlorobenzene	84.1 %

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 #27 B16

Analyst

Review



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Energen	Project #:	03022-0168
Sample ID:	08231102	Date Reported:	08/25/11
Laboratory Number:	59362	Date Sampled:	08/23/11
Chain of Custody No:	12416	Date Received:	08/23/11
Sample Matrix:	Soil	Date Extracted:	08/25/11
Preservative:	Cool	Date Analyzed:	08/25/11
Condition:	Intact	Analysis Needed:	TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

141

5.0

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 #27 B16

Review

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Energen	Project #:	03022-0168
Sample ID:	08231102	Date Reported:	08-24-11
Laboratory Number:	59362	Date Sampled:	08-23-11
Chain of Custody No:	12416	Date Received:	08-23-11
Sample Matrix:	Soil	Date Extracted:	08-23-11
Preservative:	Cool	Date Analyzed:	08-24-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.5	0.2
Diesel Range (C10 - C28)	21.0	0.1
Total Petroleum Hydrocarbons	22.5	

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 #27 B16

Review

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

Chloride

Client: Project #: Energen 03022-0168 Sample ID: 08231102 Date Reported: 08/24/11 Lab ID#: 59362 Date Sampled: 08/23/11 Sample Matrix: Soil Date Received: 08/23/11 Preservative: Cool Date Analyzed: 08/24/11 Condition: Chain of Custody: Intact 12416

Parameter Concentration (mg/Kg)

Total Chloride 360

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.

Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

Comments: Carracas #27 B16

Review

5796 US Highway 64, Farmington, NM 87401



Pit Inspection Log Sheet

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

Well Name: Cov 77ら#,	16₩ A	PI:
Name (Print): B.Y. Vocke	Signature: Bul	Date: 8-23-11
Note Any Deficiencies: 1010		
Name (Print): Gill Vocke	Signature: 731	Date: 8-30-11
Note Any Deficiencies: Non C	Com	rig on 9-2-11
Name (Print): BW Vocke	Signature: Take	Date: 9-27-11
Note Any Deficiencies: Com	l rig off	9-70-11
Name (Print): Bill Vocke	Signature: Shu	Date: 10-4-11
Note Any Deficiencies: NONC		
Name (Print): By Vocky	Signature: Zul	Date: 10 - 11 - 11
Note Any Deficiencies:		
Name (Print): 1314 Vocke	Signature:	Date: <u>/O ~ l \$ ~ //</u>
Note Any Deficiencies: WWW	Pit do	spet 10-21-11
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:
Note Any Deficiencies:	······	
Name (Print):	Signature:	Date:
Note Any Deficiencies:		
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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: .
Note Any Deficiencies:		



Pit Inspection Log Sheet

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

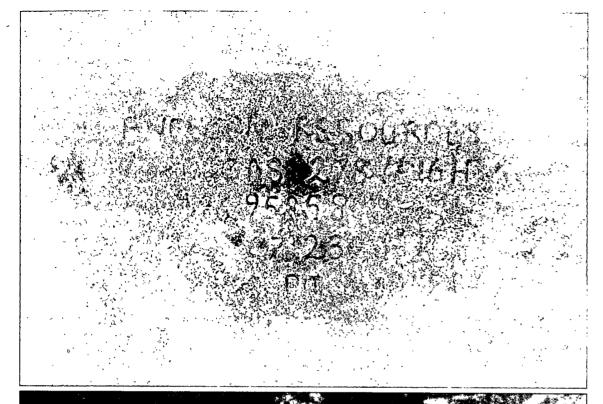
Well Name: CARRACAS 27 8 #	16# API: 30-9	39-31056
Name (Print): JACK ONEAC	Signature: Could Once	Date: 9-6-2011
Note Any Deficiencies: ルロルビ		
Name (Print): JACK ONBAC	Signature: Jack Lones	Date: 9-7-2011
Note Any Deficiencies: カルビ		
Name (Print): TACK ON EAC	Signature: Jack & Ones	Date: 9-8-2011
Note Any Deficiencies: ルウルビ		
Name (Print): JACK ONGAL	Signature: Jack Loved	Date: 9-9-201/
Note Any Deficiencies: ルかいと		
Name (Print): JACK ONSAL	Signature: Juliones	Date: 9-/0-201/
Note Any Deficiencies: ש عده الله		
Name (Print): JACK ONEAC	Signature: Jack All Track	Date: 9-/1-20//
Note Any Deficiencies: ルかんだ		
Name (Print): JACK ONEAL	Signature: Jak to Ored	Date: 9-/2-20//
Note Any Deficiencies: NONE		•
Name (Print): JACK DWEAL	Signature: John Signature:	Date: 9-13-2011
Note Any Deficiencies: ル さんど		
Name (Print): JACK ONFAC	Signature: Jack Orul	Date: 9-14-204
Note Any Deficiencies: ルゥルビ		
Name (Print): JACKONEAL	Signature: Jah Ones	Date: 9-/5-20//
Note Any Deficiencies: ルかんち		
Name (Print): JACK ONEAL	Signature: Juhlord	Date: 9-/6-28//
Note Any Deficiencies: None		· ·
Name (Print): JACK ONEAC	Signature: Jack Ores	Date: 9-/7-204/
Note Any Deficiencies: ルロ		
Name (Print): JACK BNEAL	Signature: Just Ones	Date: 9-18-2011
Note Any Deficiencies: NONE		
Name (Print): JACK ONEAL	Signature: Jack Dreel	Date: 9-/9-2011
Note Any Deficiencies: ルゥルビ		
Name (Print): JACK ONEAC	Signature: Jack / Ores	Date: 9-20-204
Note Any Deficiencies: NovE		
Name (Print): JACK ONEAC	Signature: Long	Date: 9-21-201/
Note Any Deficiencies: NONE		



Pit Inspection Log Sheet

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

Well Name: CARRACAS 27 B	AKH I	API:30-039.	3/255
Name (Print): JACK ONFAL	Signature:	10ren	Date: 9-22-2011
Note Any Deficiencies: ルちんど			
Name (Print): JACK ONEAL	Signature: Aud	Coral	Date: 9-23-2011
Note Any Deficiencies: ルさんら		•	
Name (Print): JACK ONBAL	Signature: Jack	Dreaf	Date: 9-24-201/
Note Any Deficiencies: ルゥルビ			
Name (Print): JACK ONEAC	Signature:	Corel	Date: 9-25-20//
Note Any Deficiencies: ゅっルビ		·	
Name (Print): JACK ONSAL.	Signature:	oned	Date: 2-26-26//
Note Any Deficiencies: ルめら			
Name (Print): JACK ON 5AC	Signature:	Laren	Date: 7-27-2011
Note Any Deficiencies: ルゥルモ			
Name (Print): JACK ONEAL	Signature:	10rul	Date: 7-28-30//
Note Any Deficiencies: んつんど			
Name (Print): JACKONEAL	Signature:	med	Date: 9-29-204
Note Any Deficiencies: カノのル氏			
Name (Print): JACK ONFAC	Signature: Juck	loved	Date: 9-30-20//
Note Any Deficiencies:			
Name (Print): TACK DNEAC	Signature:	Coreal	Date: /0-/-20//
Note Any Deficiencies: んのんど			
Name (Print): JACK ONEAL	Signature:	Drew	Date: 10-2-201/
Note Any Deficiencies: NONE			·
Name (Print): JACK ONEAL	Signature:	med	Date: 10-3-20//
Note Any Deficiencies: None			
Name (Print): JACK ONEAC	Signature:	Coreal	Date: 10-4-20//
Note Any Deficiencies: ルゥルビ			
Name (Print): JACK ONEAL	Signature: Jach L	orent	Date: 10-5-20//
Note Any Deficiencies: ルウルチ		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Name (Print): JACK ONCAL	Signature:	(ored	Date: <u>/8-6-2</u> 0//
Note Any Deficiencies: んのんど	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
Name (Print):	Signature:		Date:
Note Any Deficiencies:			
•			





LAT 36.95358 Conb 107. 23083

