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

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-Gr							
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. Please be advised that approval of this request does not relieve the operator of liability should operation environment. Nor does approval relieve the operator of its responsibility to comply with any other applications.	s result in pollution of surface water, ground water or the						
Operator: Energen Resources Corporation	OGRID #: 162928						
Address: 2010 Afton Place, Farmington, NM 87401							
Facility or well name: San Juan 32-5 Unit #12H							
	umber:						
U/L or Qtr/Qtr <u>E</u> Section <u>24</u> Township <u>32N</u> Range	06W County: Rio Arriba						
Center of Proposed Design: Latitude 36.96882 Longitude Surface Owner: Ex Federal State Private Tribal Trust or Indian Allotment	107.41499 W NAD: ☐1927 🗵 1983						
Pit: Subsection F or G of 19.15.17.11 NMAC Temporary:	·						
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 intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDP.	3031-125						
Liner Seams: Welded Factory Other	N RECEIVE						
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:	automatic overflow shut-off						
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 institution or church)	ol, hospital,
Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Alternate. Please specify	
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	
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 Bur consideration of approval.	eau 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 applice 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 dry above-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 puts) - 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 Required Appropriate Paragraph (2) of Subsection B of 19.15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit 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 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 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon Quality Control/Quality Assurance Construction and Installation Plan the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H2S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
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) 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 Groundstate Instructions: Please indentify the facility or facilities for the disposal of liquids	und Steel Tanks or Haul-off Bins Only: (19.15.17.13.D. s, drilling fluids and drill cuttings. Use attachment if mor) NMAC) e 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 operations?	es occur on or in areas that will not be used for future serv	vice and				
Yes (If yes, please provide the information below)						
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 G 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 NMAO Instructions: Each siting criteria requires a demonstration of compliance in provided below. Requests regarding changes to certain siting criteria may rebe considered an exception which must be submitted to the Santa Fe Environ and/or demonstrations of equivalency are required. Please refer to 19.15.17.	the closure plan. Recommendations of acceptable soun equire administrative approval from the appropriate dist amental Bureau office for consideration of approval. Ji	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 ☐ 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				
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed sit		☐ 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 that 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 approximation		☐ 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 Go 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 of 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 reproof 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 of Usaste Material Sampling Plan - based upon the appropriate requirements of 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 drill cuttings or in case on-site closure standards cannot in H of 19.15.17.13 NMAC on I of 19.15.17.13 NMAC					

19 Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate and	
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:
	Plan (only) OCD Conditions (see attachment) Approval Date: 8/15/2011 Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of 1 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 at the closure activities have been completed.
	Closure Completion Date: 8/20/10
Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure If different from approved plan, please explain.	sure Method
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Instructions: Please indentify the facility or facilities for where the liquids, drilling flethan two facilities were utilized. Disposal Facility Name:	uids and drill cuttings were disposed. Use attachment if more
Disposal Facility Name: Disposa	l 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)	eas 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 36.58069 Longitude	st be attached to the closure report. Please indicate, by a check -107.24555 NAD: □ 1927 1983
Operator Closure Contists the	
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.	t is true, accurate and complete to the best of my knowledge and and conditions specified in the approved closure plan.
Name (Print): Anna Stotts	Title: Regulatory Analyst
Signature:	Date: 6/1/11
e-mail address: astotts@energen.com	Telephone: 505-324-4154

Well Name: San Juan 32-5 Unit #12H

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 were removed and reused or disposed with Agua Moss LLC in the Pretty Lady #1 (Disposal API Number # 30-045-30922) 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.

Fluids were removed and properly disposed in the Pretty Lady #1. The pit contents were solidified by mixing the contents with soil at a mixing ratio of approximately 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	.122
BTEX	EPA SW-846 8021B or 8260B	50	.899
TPH	EPA SW-846 418.1	2500	213
GRO/DRO	EPA SW-846 8015M	500	23.5
Chlorides	EPA 300.1	500 /1000	65

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 # NMSF079011 – San Juan 32-5 Unit #12H – Unit E – Sec. 24, T32N, R06W – Pit Burial Site.

Five Copies District I 1625 N. French Dr , Hobbs,	istnet I 25 N. French Dr., Hobbs, NM 88240					State of New Mexico Energy, Minerals and Natural Resources					Form C-105 July 17, 2008			
1000 Rio Brazos Rd , Aztec, NM 87410 1220 South						BERVATION DIVISION outh St. Francis Dr. Fe, NM 87505 30-039-30553 2. Type Of Lease STATE FEE 3. State Oil & Gas Lease No.					ED/INDIAN			
WELL COMP 4 Reason for filing:	LETIC	ON OR RI	ECOM	IPLETION	REPOR	T AND	LOG			5. Lease Na			reement N	
COMPLETION C-144 CLOSUR	E ATTA	ACHMENT	(Fill in t	boxes #1 throu	gh #9, #15 D	Date Rig R	eleased a	nd #32	and/or	San 3		32-5 1	Unit	
#33; attach this and the p 9. Type of Completion NEW WELL		orkover		EEPENING				ENT F	RESERV	#12i	THER	pit	closu	æ
8. Name of Operator Energen Resour				DDI ENTITO E		ion	JII I DI	<u> </u>		9. OGRID				
10. Address of Operator										11. Pool i				
2010 Afton Pla		Farmingt Section		NM 87401 Fownship	Range	Loi		Feet f	rom the	N/S Line			nd Coal E/W Line	County
Surface E		24		32N	06W		•	1 000.1	ioni ine	100 2.00				
BH·					1									
13. Date Spudded	4. Date	e T D Reach	ed		5/29/10					Ready to Pro		RT,	GR, etc)	(DF & RKB,
18. Total Measured Dep				19. Plug Bac	k Measured	Depth	20. W	as Dire	ectional S	Survey Made	2	1 Type	Electric an	d Other Logs Run
22. Producing Interval(s), of thi	s completion		CASING R	FCODD	(Pana)	rt all at	rings	set in	well)				
CASING SIZE	T v	VEIGHT LB		DEPTH			LE SIZE	nigs		CEMENTING	3 REC	ORD	AM	OUNT PULLED
		-												
			_		-									
				<u> </u>					105			10.00	2000	
SIZE	ГОР		LINE	ER RECOR	D SACKS CE	MENIT	SC	REEN	25. SIZ			IG REC		PACKER SET
SIZE	OF		БОТТ	OW	SACKS CE	IVILIVI	30	CELIN	- 312	, <u>L</u>	1	JEI III	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	TACKERSET
									-					
26. Perforation record	(interval	l, size, and nu	ımber)	I			27. AC			ACTURE,				ETC. IAL USED
20					DD	ODUC	TION							
28. PRODUCTION								or Shut-in)						
Date of Test	Hour	's Tested	CI	hoke Size	Prod'n Fo Test Perio		Dil - Bbl.		Gas - N	1CF V	√ater -	Bbl	Gas -	Oıl Ratio
Flow Tubing Press.	Tubing Casing Pressure Calculated 24- Oil - Bbl. Gas - MCF Nour Rate			Wa	ter - Bbl		Oil Grav	vity - 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 w		·	•		Latitud	e :	36.580					4555	NAD:	1927 X 1983
I hereby certify that the Signature E-mail address	WZ	mailon sho TO- stotts@ea		Printe Name	d		d comple Stotts						ief L ys t _{Da}	te 6/1/11

AS DRILLED

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

State of New Mexico

Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102 Revised July 16, 2010 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool (
30-039-30553	72319	Blanco Me			
⁴ Property Code 21996		^a Property Name San Juan 32-5 Unit			
⁷ OGRID No.	•	erator Name	^o Elevation		
162928		sources Corporation	6438'		

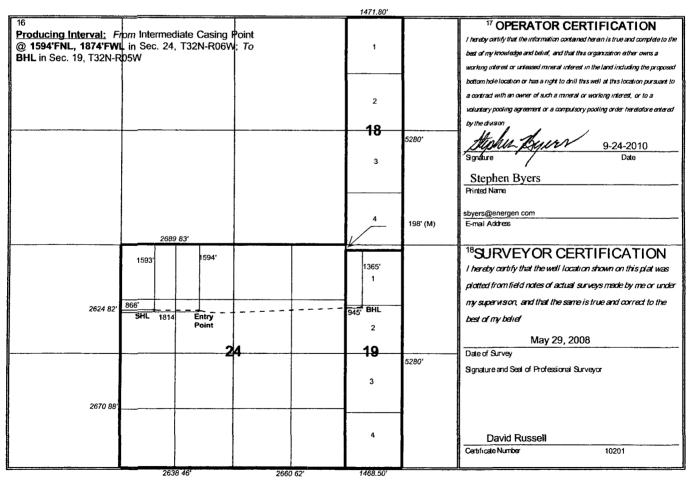
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	24	32N	6W		1593'	North	866'	West	Rio Arriba

11 Bottom Hole Location If Different From Surface

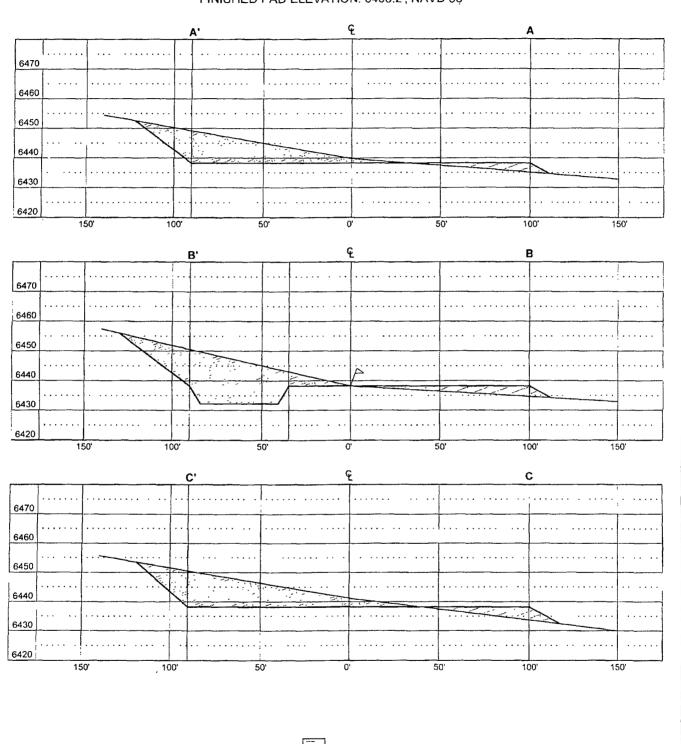
UL. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	19	32N	5W	2	1365'	North	945'	West	Rio Arriba
¹² Dedicated Acres 995.25	¹⁹ Joint o	r Infill 14	Consolidation (Code ¹⁸ Or	der No. R2319				

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

SAN JUAN 32-5 UNIT #12 8 14 1593' FNL & 866' FWL LOCATED IN THE SW/4 NW/4 OF SECTION 24, T32N, R6W, N.M.P.M., RIO ARRIBA, NEW MEXICO **GROUND ELEVATION: 6438', NAVD 88** FINISHED PAD ELEVATION: 6438.2', NAVD 88



VERT. SCALE: 1" = 30' HORZ. SCALE: 1" = 50' JOB No.: ERG184_REV2 DATE: 06/04/08

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

' , TUDE: 36.96882°N **ENERGEN RESOURCES CORPORATION** ∠NGITUDE: 107.41499°W **SAN JUAN 32-5 UNIT #12 C** DATUM: NAD 83 1593' FNL & 866' FWL LOCATED IN THE SW/4 NW/4 OF SECTION 24, T32N, R6W, N.M.P.M., 50' 25' 25' RIO ARRIBA, NEW MEXICO GROUND ELEVATION: 6438', NAVD 88 SCALE = 50' FINISHED PAD ELEVATION: 6438.2', NAVD 88 EXISTING WELL PAD DOG LEG © д' C-10.9 100 ① C-1.5 МΟ F+3.1 VALVE TOPSOIL STOCK PILE SEPERATOR SAN JUAN 32-5 #102S S 14'22'28" W-100.24" В C-12.3 C-0.0 100 F+3.5 TANKS RESERVE PIT 55' x 147' C-12.3 5) C' 4 90' Russell Surveying 1 FOOT CONTOUR INTERVAL SHOWN 1409 W. Aztec Blvd. #2 Aztec, New Mexico 87410 SCALE: 1" = 50' JOB No.: ERG184_REV2 (505) 334-8637 DATE: 06/04/08

Vicki Donaghey

From: Sent:

frank florez [frankf52@yahoo.com]

Sent:

Tuesday, August 03, 2010 10:30 AM

To:

Brandon.Powell@state.nm.us; Kellie Campbell; Michael Dean; Doug Thomas; Ed Hasely; mark_kelly@nm.blm.gov; randy_mckee@nm.blm.gov; Robert Schmidt; Vicki Donaghey

Subject:

72 Hour Notice

Good Morning,

This is 72 hour notice that we will begin to cover the reserve pit on the San Juan 32-5 # 12H on Friday August 6, 2010, if weather permits. Please let me know if you have any questions or problems.

Thank you, Deidra Florez Triple F Construction & Field Service, LLC PO Box 3 Bloomfield, NM 87413 (505) 632-9011 Office (505) 632-6953 Fax



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0168
Sample ID:	071410-02	Date Reported:	07-15-10
Laboratory Number:	55141	Date Sampled:	07-13-10
Chain of Custody:	9958	Date Received:	07-14-10
Sample Matrix:	Soil	Date Analyzed:	07-15-10
Preservative:	Cool	Date Extracted:	07-14-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	.122	0.9
Toluene	357	1.0
Ethylbenzene	43.7	1.0
p,m-Xylene	299	1.2
o-Xylene	77.6	0.9
Total BTEX	899	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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:

San Juan 32-5 #12H

Analyst



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Energen	Project #:	03022-0168
Sample ID:	071410-02	Date Reported:	07-15-10
Laboratory Number:	55141	Date Sampled:	07-14-10
Chain of Custody No:	9958	Date Received:	07-14-10
Sample Matrix:	Soil	Date Extracted:	07-15-10
Preservative:	Cool	Date Analyzed:	07-15-10
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarhons	213	15.1

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.

San Juan 32-5 #12H Comments:

Analyst



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Energen	Project #:	03022-0168
Sample ID:	071410-02	Date Reported:	07-15-10
Laboratory Number:	55141	Date Sampled:	07-13-10
Chain of Custody No:	9958	Date Received:	07-14-10
Sample Matrix:	Soil	Date Extracted:	07-14-10
Preservative:	Cool	Date Analyzed:	07-15-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	18.9	0.2
Diesel Range (C10 - C28)	4.6	0.1
Total Petroleum Hydrocarbons	23.5	0.2

ND - Parameter not detected at the stated detection limit.

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, References:

SW-846, USEPA, December 1996.

San Juan 32-5 #12H Comments:

Analyst



Chloride

Client:	Energen	Project #:	03022-0168
Sample ID:	071410-02	Date Reported:	07-15-10
Lab ID#:	55141	Date Sampled:	07-13-10
Sample Matrix:	Soil	Date Received:	07-14-10
Preservative:	Cool	Date Analyzed:	07-15-10
Condition:	Intact	Chain of Custody:	9958

Parameter

Concentration (mg/Kg)

Total Chloride 65

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Reference:

Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

San Juan 32-5 #12H Comments:



Pit Inspection Log Sheet

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

Well Name: <u>SANTUAN</u> 32-5 #12H		API: 30-039-30553	
Name (Print): J. WEATHERFORX)	Signature:	Mentherhad	Date: 6/4/2010
Note Any Deficiencies:	9		
Name (Print): J. WEATHERFORD	Signature:	Meatherbard	Date: 6/5/2010
Note Any Deficiencies:			
Name (Print): TWEATHERFORD	Signature	Weatherful	Date: 6/6/2010
Note Any Deficiencies:	0		
Name (Print): TWEATHERFORD	Signature:	Meatherford	Date: 6/7/2010
Note Any Deficiencies:			
Name (Print): TWEATHERFORD	Signature	Weatherfand	Date: 6/8/2010
Note Any Deficiencies:		4 4	
Name (Print): TWEATHERFORD	Signature:	Mentherfung	Date: 6/9/2010
Note Any Deficiencies:			
Name (Print): TWENTHERFORD	Signature:	Meatherfard	Date: 6/10/2010
Note Any Deficiencies:	1		
Name (Print): TWEATHERFORD	Signature:	Mentheral	Date: 6/11/2010
Note Any Deficiencies:			
Name (Print): TWEATHERFORD	Signature:	Weatherland	Date: / / /2/2010
Note Any Deficiencies:			
Name (Print): TWENTHERFORD	Signature:	Menthylan	Date: 6/13/2010
Note Any Deficiencies:			
Name (Print): TWEATHERYARD	Signature://	Medinerol	Date: 6/14/27/10
Note Any Deficiencies:	8		
Name (Print): JWENTHER FORD	Signature:	Meatherford	Date: 6/15/2010
Note Any Deficiencies			
Name (Print): FWEATHERFORD	Signature:	Mentherful	Date. 6/16/2012
Note Any Deficiencies:			
Name (Print): JAW	Signature:	Methodor	Date: 6/14/2010
Note Any Deficiencies:			
Name (Print):	Signature	Mentryal	Date: 6/18/2010
Note Any Deficiencies:		V	
Name (Print): <u>AW</u>	Signature:	Weatherford	Date: 6/19/2010
Note Any Deficiencies:	\mathcal{U}		·



Pit Inspection Log Sheet

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

Well Name: SPN JUAN 32-5 12H		API: 30-039	<u> -30553 </u>
Name (Print): TWEATHERFORD	Signature:	Weatherford	Date: 6/20/2010
Note Any Deficiencies:			
Name (Print): WEATHERFORD	Signature:	Weatherfor	Date: 6/21/2010
Note Any Deficiencies:			
Name (Print): TWENTHERFORD	Signature:	Montheyens	Date: 6/22/2010
Note Any Deficiencies:	0		
Name (Print): TWENTHERYORD	Signature:	Meatherferd	Date: /_/23/2010
Note Any Deficiencies:			
Name (Print): TWEATHERFORD	Signature:	Menthatrul	Date: 6/24/2010
Note Any Deficiencies:			
Name (Print): TWEATHERFORD	Signature:	Meathefurd	Date: 6/25/2010
Note Any Deficiencies:	2	. 0	
Name (Print): TWENTHERFORD	Signature:	Mentrahent	Date: 26/2010
Note Any Deficiencies:			
Name (Print): TWEATHERFORD	Signature	Weatherful	Date: 6/27/2010
Note Any Deficiencies:			·
Name (Print): T WEATHENFORD	Signature:	Weithelm	Date: 6/28/20:10
Note Any Deficiencies:			
Name (Print):	Signature:		Date:
Note Any Deficiencies:			
Name (Print):	Signature:		Date:
Note Any Deficiencies:		<u>.</u>	
Name (Print):	Signature:		Date:
Note Any Deficiencies:			
Name (Print):	Signature:	<u> </u>	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: SAN JUAN 32-5 UN	1 # 12 H API:	
Name (Print): Dewayne Blance H	Signature: D. Banut	Date: 7- 26-20/0
Note Any Deficiencies:	NONE	
Name (Print):	Signature: D. Blanck	Date: 1-27-20/0
Note Any Deficiencies:	NONE	
Name (Print):	Signature: D. Blancet	Date: 7-28-20/0
Note Any Deficiencies:	HONE	
Name (Print):	Signature: D. Blancet	Date: 7 . 29. 20/6
Note Any Deficiencies:	NONE	
Name (Print):	Signature. D. Blancett	Date: 7-30-20/0
Note Any Deficiencies:	NON E	
Name (Print):	Signature: D. Blance H	Date: 8 -/0 · 20/0
Note Any Deficiencies:	HONE	
Name (Print):	Signature: D. Blancet	Date: S-//- 20/0
Note Any Deficiencies:	HONE	
Name (Print):	Signature: D. Blancet	Date: 8 - 12 - 20/0
Note Any Deficiencies:	HONE	
Name (Print):	Signature D. Blance	Date: 8 - / 3 - 20/0
Note Any Deficiencies:	None	
Name (Prim):	Signature: D. Blancet	Date: 8-14-20/0
Note Any Deficiencies:	None	•
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:	Dare:
Note Any Deficiencies:		
Name (Print).	Signature:	D2+2-
Note Any Deficiencies:		



SAN JUAN 32-5 UNIT NP #12H
1593' FNL 866' FWL
UNIT E SEC 24 T32N R06W
LATITUDE 36.96882°
LONGITUDE -107.41499'
API # 30-039-30553 ELEV. 6438
LEASE # NMSF 079011
RIO ARRIBA COUNTY, NEW MEXICO
BLANCO MESAVERDE

