District I 1625 N. French Dr., Hobbs, NM 88240 District IL 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: X 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: San Juan 32-5 Unit #108S							
API Number: 30-039-26906 OCD Permit Number:							
U/L or Qtr/Qtr P Section 27 Township 32N Range 06W County: Rio Arriba							
Center of Proposed Design: Latitude 36.94622 N Longitude 107.44083 W NAD: 1927 X 1983							
Surface Owner: X Federal State Private Tribal Trust or Indian Allotment							
Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other String-Reinforced Liner Seams: Welded Factory Other Volume:bbl Dimensions: L x Wx D							
X 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)							
X Drying Pad X Above Ground Steel Tanks X Haul-off Bins Other							
X Drying Pad X Above Ground Steel Tanks X Haul-off Bins Other X Lined Unlined Liner type: Thickness 20 mil X LLDPE HDPE PVC Other Liner Seams: Welded X Factory Other							
Liner Seams: Welded X Factory Other Other							
Lined Unlined Liner type: Thickness							
Volume: bbl Type of fluid:							
Tank Construction material:							
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off							
Liner type: Thicknessmil _ LLDPE _ HDPE _ PVC _ Other							
5.							

☐ Alternative Method:

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

6. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)					
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)					
Four foot height, four strands of barbed wire evenly spaced between one and four feet					
Alternate. Please specify					
7.					
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)					
☐ Screen ☐ Netting ☐ Other					
Monthly inspections (If netting or screening is not physically feasible)					
8.					
Signs: Subsection C of 19.15.17.11 NMAC					
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers					
▼ Signed in compliance with 19.15.3.103 NMAC					
9.					
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.					
Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental But consideration 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 accommendation of accommend	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:
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number:
Previously Approved Operating and Maintenance Plan API Number: (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
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 Preeboard 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: \[\infty Drilling \[\infty \] Workover \[\] Emergency \[\infty \] Cavitation \[\] P&A \[\] Permanent Pit \[\] Below-grade Tank \[\infty \] Closed-loop System Alternative Proposed Closure Method: \[\infty \] Waste Excavation and Removal \[\infty \] 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 I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Instructions: Please indentify the facility or facilities for the disposal of liquids	und Steel Tanks or Haul-off Bins Only: (19.15.17.13.1 is, drilling fluids and drill cuttings. Use attachment if mod	O NMAC) re than two
facilities are required. Disposal Facility Name: Envirotech	Disposal Facility Permit Number: NM-01-0011	
Disposal Facility Name: IEI	Disposal Facility Permit Number: NM-01-0010B	
Will any of the proposed closed-loop system operations and associated activitie operations?	es occur on or in areas that will not be used for future ser	vice and
Yes (If yes, please provide the information below) X No		
Required for impacted areas which will not be used for future service and open. Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate Reclamation Plan - based upon the appr	priate requirements of Subsection H of 19.15.17.13 NM/ ction I of 19.15.17.13 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 provided below. Requests regarding changes to certain siting criteria may red be 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 sou quire administrative approval from the appropriate dist mental Bureau office for consideration of approval. J	trict 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 ☐ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS;	Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS;	Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other 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 chu - Visual inspection (certification) of the proposed site; Aerial photo; Sat		☐ 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 inspect	or spring, in existence at the time of initial application.	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh vadopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written ap	·	☐ 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	ining and Mineral Division	☐ Yes ☐No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Ge Society; Topographic map	ology & 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.	f the following items must be attached to the closure pla	n. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appropriate red Proof of Surface Owner Notice - based upon the appropriate requirements of Construction/Design Plan of Burial Trench (if applicable) based upon the a Construction/Design Plan of Temporary Pit (for in-place burial of a drying Protocols and Procedures - based upon the appropriate requirements of 19.1 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Waste 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 pad) - based upon the appropriate requirements of 19.15.17.13 NMAC quirements of Subsection F of 19.15.17.13 NMAC f Subsection F of 19.15.17.13 NMAC drill cuttings or in case on-site closure standards cannot H of 19.15.17.13 NMAC at 1 of 19.15.17.13 NMAC	

Operator Application Certification: I hereby certify that the information submitted with this application is true, accurat	e and complete to the best of my knowledge and belief.
Name (Print): Stephen Byers	Title: Drilling Engineer
Signature: Styshen Byers	Date: 3/18/2011
e-mail address: sbyers@energen.com	Telephone:
OCD Approval: Permit Application (including closure plan) Clo	
OCD Representative Signature:	Approval Date:
Title: Compliance Office	CD Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K Instructions: Operators are required to obtain an approved closure plan prior to report. The closure report is required to be submitted to the division within 60 days complete this section of the form until an approved closure plan has been obtained	implementing any closure activities and submitting the closure ys of the completion of the closure activities. Please do not
Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative If different from approved plan, please explain.	Closure Method
Closure Report Regarding Waste Removal Closure For Closed-loop Systems To Instructions: Please indentify the facility or facilities for where the liquids, drilling than two facilities were utilized. Disposal Facility Name:	ng fluids and drill cuttings were disposed. Use attachment if more
Disposal Facility Name: Dis	posal Facility Permit Number:
Were the closed-loop system operations and associated activities performed on or in Yes (If yes, please demonstrate compliance to the items below) X No	n areas that will not be used for future service and operations?
Required for impacted areas which will not be used for future service and operation Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	15:
34	
Closure Report Attachment Checklist: Instructions: Each of the following items 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	must be attached to the closure report. Please indicate, by a check
25.	
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure rebelief. I also certify that the closure complies with all applicable closure requirements.	
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:

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

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

¹ API Number

District IV

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

² Pool Code

3	0-039-2690)6		71629		Basin Fruitland Coal				
⁴ Property	Code	⁵ Pr				⁵ Property Name ⁶ Well Number				
21996	,	San Juan 32-5 Unit				San Juan 32-5 Unit 108 S				
70GRID	No.	^o Operator Name				Operator Name Selevation				
16292	162928 Energen			Energen Resources Corporation 6132'				6132'		
					¹⁰ Surface I	ocation				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Р	27	32N	6W		700'	South	1360'	East	Rio Arriba	
		•	¹¹ Bott	tom Hole	e Location If	Different From	n Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
к	27	32N	6W	i	2500'	South	2500'	East	Rio Arriba	
12 Dedicated Acre	s ¹³ Joint o	r Infill 14 C	onsolidation C	Code 15 Ord	der No.					
220 5.40										

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.

	2683,56'		2681.58'	
	16			17 OPERATOR CERTIFICATION
				I hereby certify that the information contained herein is true and complete to the
				best of my knowledge and belief, and that this organization either owns a
				working interest or unleased mineral interest in the land including the proposed
				bottom hole location or has a right to drill this well at this location pursuant to
				a contract with an owner of such a mineral or working interest, or to a
	·			voluntary pooling agreement or a compulsory pooling order heretofore entered
				by the division.
				Heshen Byers 3/18/11 State Date
		ļ		Stephen Byers
				Printed Name
				_sbyers@energen.com
				E-mail Address
64'				5274.72'
		BHL	2500'	18SURVEYOR CERTIFICATION
		BUL ,		I hereby certify that the well location shown on this plat was
		`\		plotted from field notes of actual surveys made by me or under
İ		`,		my supervision, and that the same is true and correct to the
				best of my belief.
			1	Db 5 2004
		\		December 5, 2001 Date of Survey
				Signature and Seal of Professional Surveyor:
ļ			`\	ay laute and assi of molessorial autiveyor.
İ			`\	}
I		2500'	1360'	<u>}</u>
			SHL]
Í				Jason C. Edwards
			700'	Certificate Number 15269
Į	2663 10'		2845 26'	

Plan of Operations: Closed Loop System & Drying Pad

Closed Loop Design:

The closed loop system will not incorporate a temporary pit or below grade tank. The closed loop system will include a drying pad and sumps to facilitate the collection of liquids derived from drill cuttings, as specified per subsection H of 19.15.17.11 and an above ground steel tank suitable for holding the cuttings and fluids generated during rig operations. The tank will be of sufficient volume to maintain a safe free board for periodic removal and disposal of cuttings and fluids. Frac tanks will be utilized on site for fresh water.

- 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.

Closed Loop Operations 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. Reuse may include the relocating of liquids to be used in other permitted drilling operations.
- 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.

Closed Loop Closure Plan:

- 1) Upon completion of the drilling operations, all solids and liquids will be removed and disposed of at Envirotech (Permit # NM-01-0011) or IEI/JFL Landfarm (# NM-01-0010B). In the event that a drying pad is utilized, the solids contained on the pad will remain on site to allow sufficient drying and will then be transported to one of the above mentioned disposal facilities. The tanks will be removed from location as part of the rig move. The APD Conditions of Approval will be followed for site reclamation.
- 2) After the drying pad is removed, the surface below the pad will be visually inspected for any contamination. If contamination is discovered, a five point composite sample will be taken of the drying pad area using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13. (i.e. dig and haul).

- 3) In the event that a drying pad is used, the area where the drying pad will be located will be part of the actual well pad and will still be in use throughout the operation of the well. Upon final P&A of the well, the following will be done:
 - a. Re-contouring of location will match fit, shape, line, form and texture of the surroundings. Re-shaping will include drainage control and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour will have a uniform appearance with a smooth surface that fits the natural landscape.
 - b. Will re-seed the reclaimed area after the final P&A of the well. The pad will be re-seeded the first growing season after the final P&A of the site. Seeding will be accomplished by drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands.

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.

CLOSED LOOP SYSTEM SCHEMATIC

Hole (in)	Depth (ft)	Length (ft)	Volume (ft³)
6 1/4	2826	2259	481

Estimated Gauge Hole Volume

Length	Width	Height	Volume
(ft)	(ft)	(ft)	(ft ³)
75	30	3	6750

Waste Vol. Estimate for one cuttings pile

