1625 N French Dr., Hobbs, NM 88240

District II 1301 W Grand Ave , Artesia, NM 88210

District III 1000 Rio Brazos Rd, Aztec, NM 87410

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

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.

Form C-144

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the

appropriate NMOCD District Office

Proposed Alternative Method Permit or Closure Plan Application
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Deperator: Burlington Resources Oil & Gas Company, LP Address: PO Box 4289, Farmington, NM 87499 Coefficient of the Position
Facility or well name: Klein 27P API Number: 30-039-30379 OCD Permit Number.
API Number: 30-039-30379 OCD Permit Number. U/L or Qtr/Qtr: P(SESE) Section: 35 Township: 26N Range: 6W County: Rio Arriba Center of Proposed Design: Latitude: 36.43939' N Longitude: 107.43016' W NAD: 1927 X 1983 Surface Owner: X Federal State Private Tribal Trust or Indian Allotment
Note
Closed-loop System: Subsection H of 19.15 17 11 NMAC Type of Operation P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDPE PVD Other RECEIVED Control of the prior approval of a permit or notice of intent) P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Above Ground Steel Tanks Haul-off Bins Other Above Ground Steel Tanks Haul-off Bins Other Above Ground Steel Tanks PVD Other Above Ground Steel Tanks Haul-off Bins Other Above Ground Steel Tanks Above Ground Steel Tanks Haul-off Bins Other Above Ground Steel Tanks Above Ground Steel
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: bbl Type of fluid: Tank Construction material: Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other Liner Type: Thickness mil HDPE PVC Other

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 pit, 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					
X Alternate. Please specify 4' hogwire fence with a single strand of barbed wire on top.					
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		Ì			
12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers					
X Signed in compliance with 19 15 3.103 NMAC	<u></u>				
9 Administrative Approvals and Exceptions:		ł			
Justifications and/or demonstrations of equivalency are required Please refer to 19 15.17 NMAC for guidance.					
Please check a box if one or more of the following is requested, if not leave blank:					
Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for cons	ideration of ap	proval.			
Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.					
10					
Siting Criteria (regarding permitting): 19.15.17.10 NMAC					
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the					
appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria					
does not apply to drying pads or above grade-tanks associated with a closed-loop system.					
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes	XNo			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa	Yes	XNo			
lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site					
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial	Yes	XNo			
application.		<u></u>]			
(Applies to temporary, emergency, or cavitation pits and helow-grade tanks)	∐NA				
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	l ∏Yes				
(Applied to permanent pits)	X NA	□No			
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image					
Within 500 horizonal 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.	Yes	XNo			
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.					
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	Yes	XNo			
 Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland. 	Yes	V No			
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	L. 168	X No			
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes	XNo			
Within an unstable area.	Yes	X No			
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	 	[17].			
Within a 100-year floodplain	Yes	X No			

Form C-144 Oil Conservation Division Page 2 of 5

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. Higher relation Please Relation Please Ple			
Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC X Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9			
X String Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC			
[X] 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 or Permit			
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. Googlegie and Hydrogoglegie Data (only for an cite elegant), based upon the requirements of Paragraph (2) of Subsection P. of 10.15.17.0			
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			
Previously Approved Operating and Maintenance Plan API			
13			
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC			
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.			
Hydrogeologic Report - based upon the requirements of Paragraph (I) 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 the appropriate requirements of 19.15.17.11 NMAC			
Quality Control/Quality Assurance Construction and Installation Plan			
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			
14 Proposed Closure: 19.15.17.13 NMAC			
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.			
Type: X 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)			
X On-site Closure Method (only for temporary pits and closed-loop systems)			
X In-place Burial On-site Trench			
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)			
15			
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan.			
Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC			
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC			
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)			
Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17 13 NMAC			
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC			
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC			

Form C-144 Ort Conscription Division Page 3 of 5

Waste Removal Closure For Closed-loop Systems That Utilize Above Gro Instructions: Please identify the facility or facilities for the disposal of liquids,	und Steel Tanks or Haul-off Bins Only: (19 15.17 13 D NMAC)	fuulttas			
are required.					
Disposal Facility Name					
Disposal Facility Name:					
Will any of the proposed closed-loop system operations and associated a Yes (If yes, please provide the information No		service and operations?			
Soil Backfill and Cover Design Specification - based upon the a Re-vegetation Plan - based upon the appropriate requirements of	Required for impacted areas which will not be used for future service and operations Soil Backfill and Cover Design Specification - 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: 19.15.17.1 Instructions Each siting criteria requires a demonstration of compliance in the closur certain siting criteria may require administrative approval from the appropriate distription consideration of approval Justifications and/or demonstrations of equivalency are	re plan. Recommendations of acceptable source material are provided be act office or may be considered an exception which must be submitted to th				
Ground water is less than 50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS. I	Data obtained from nearby wells	Yes X No N/A			
Ground water is between 50 and 100 feet below the bottom of the burie	d waste	Yes X No			
- NM Office of the State Engineer - iWATERS database search; USGS; D	ata obtained from nearby wells	□N/A			
Ground water is more than 100 feet below the bottom of the buried was	te	X Yes No			
- NM Office of the State Engineer - (WATERS database search; USGS; D	ata obtained from nearby wells	□N/A			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any othe (measured from the ordinary high-water mark).	r significant watercourse or lakebed, sinkhole, or playa lake	Yes X No			
- Topographic map, Visual inspection (certification) of the proposed site					
Within 300 feet from a permanent residence, school, hospital, institution, or ch - Visual inspection (certification) of the proposed site; Aerial photo; satellit	•	Yes X No			
Within 500 horizontal feet of a private, domestic fresh water well or spring that purposes, or within 1000 horizontal fee of any other fresh water well or spring. - NM Office of the State Engineer - iWATERS database, Visual inspection Within incorporated municipal boundaries or within a defined municipal fresh pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approximation of the confirmation of the confirmati	, in existence at the time of the initial application. (certification) of the proposed site water well field covered under a municipal ordinance adopted	Yes X No			
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map: Topographic map; Vis		Yes X No			
Within the area overlying a subsurface mine.		Yes X No			
 Written confirantion or verification or map from the NM EMNRD-Minii Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geolo 		Yes XNo			
Topographic map Within a 100-year floodplain FEMA map		Yes X No			
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must bee attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.					
X Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC					
X Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC					
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15 17.11 NMAC					
Construction/Design Plan of Temporary Pit (for in place burial of		19.15.17.11 NMAC			
X Protocols and Procedures - based upon the appropriate requirem					
Confirmation Sampling Plan (if applicable) - based upon the app					
X Waste Material Sampling Plan - based upon the appropriate required Property Name and Permit Number (for liquide drilling		annot be achieved)			
 X Disposal Facility Name and Permit Number (for liquids, drilling X Soil Cover Design - based upon the appropriate requirements of 	-	annot be achieved)			
X Re-vegetation Plan - based upon the appropriate requirements of					
X Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC					

Form C-144 Oil Conservation Division Page 4 of 5

i nereby certify that the ini	Certification: formation submitted with this application is true,	accurate and complete to the	best of my knowledge and belief
Name (Print):	Crystal Tafoya	Title:	Regulatory Technician
Signature:	Le Talan	Date:	10/3/08
e-mail address:	crystal tafoya@conocophilips.com	Telephone:	505-326-9837
20 OCD Approval: I OCD Representative S	Permit Application (including closure plan) iignature: Sumhon 7		OCD Conditions (see attachment) Approval Date: //-1/-08
Title: Envi	olspec	OCD Pera	nit Number:
Instructions Operators ar report is required to be su		ior to implementing any clos pletion of the closure activiti en completed	C ure activities and submitting the closure report The closure es. Please do not complete this section of the form until an e Completion Date:
22 Closure Method: Waste Excavation If different from a	and Removal On-site Closure Metho pproved plan, please explain.	d Alternative Closure	Method Waste Removal (Closed-loop systems only)
	ng Waste Removal Closure For Closed-loop Systify the facility or facilities for where the liquids,		round Steel Tanks or Haul-off Bins Only: ings were disposed. Use attachment if more than two facilities
Disposal Facility Name	e:	Disposal Facility	Permit Number:
Disposal Facility Name	E	Disposal Facility	Permit Number.
`	system operations and associated activities perform		ot be used for future service and opeartions?
Required for impacted	demonstrate compliane to the items below) areas which will not be used for future service an (Photo Documentation)	∐No nd operations:	
=	nd Cover Installation		
Re-vegetation App	olication Rates and Seeding Technique		
the box, that the docu		following items must be att	ached to the closure report. Please indicate, by a check mark in
	otice (required for on-site closure)		
=	-site closures and temporary pits)		
Confirmation Sa	mpling Analytical Results (if applicable)		
Waste Material S	Sampling Analytical Results (if applicable)		
Disposal Facility	Name and Permit Number		
Soil Backfilling	and Cover Installation		
Re-vegetation A	pplication Rates and Seeding Technique		
Site Reclamation	(Photo Documentation)		
On-site Closure	Location Latitude	Longitude:	NAD 1927 1983
²⁵ Operator Closure Cer	tification:		
	formation and attachments submitted with this cl- all applicable closure requirements and condition	-	e and complete to the best of my knowledge and belief. I also certify that closure plan.
Name (Print)		Title-	
			······································
Signature		Date:	

Well

Water

Colum

New Mexico Office of the State Engineer POD Reports and Downloads

Township: 26N	Range: 06W Sections:		annanaga nga tanèn ng galangananan na cing panggagagan aninggagagan da aninggagan na aninggagan na aninggagan		
NAD27 X:	Y: Zone:	Search Radius:			
County:	Basin:	Number:	Suffix:		
Owner Name: (First)	(Last)	○ Non-Domestic	ODomestic		
POD / Surface Data Report Avg Depth to Water Report Water Column Report					
	Clear Form iWATERS N	Лепи Help			
	WATER COLUMN	REPORT 10/02/2008			
· -	s are 1=NW 2=NE 3=SW 4=S s are biggest to smalles	•	Depth Wate		

Tws Rng Sec q q Q Zone X

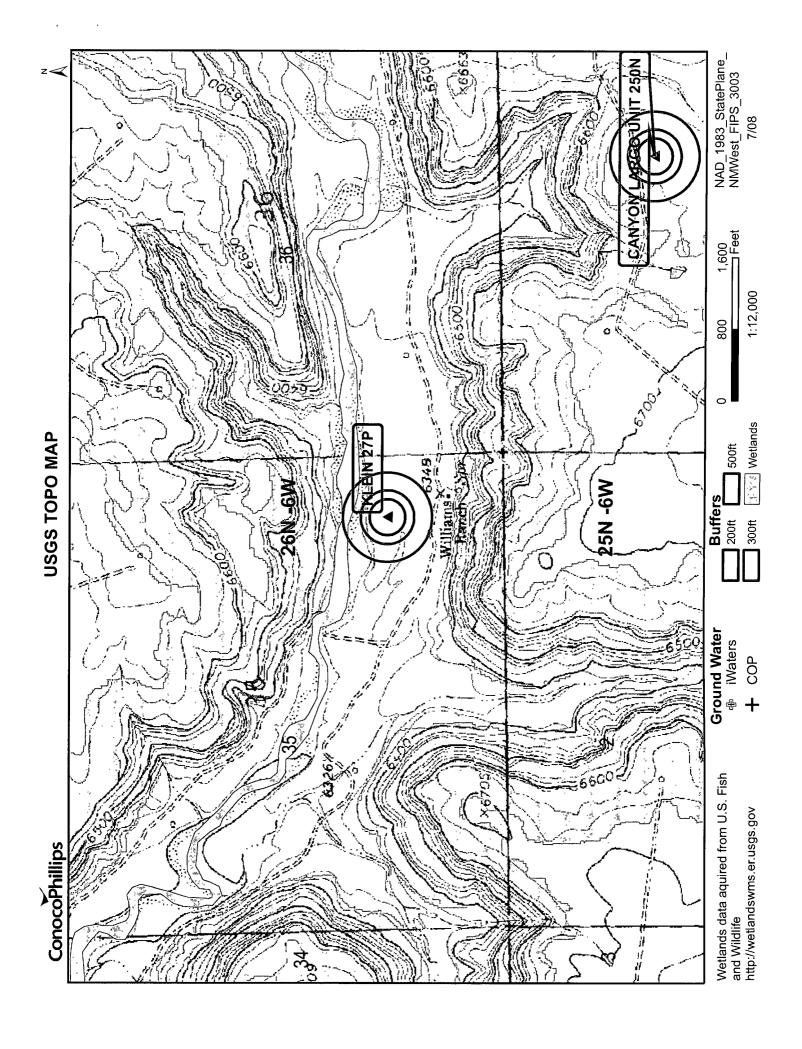
No Records found, try again

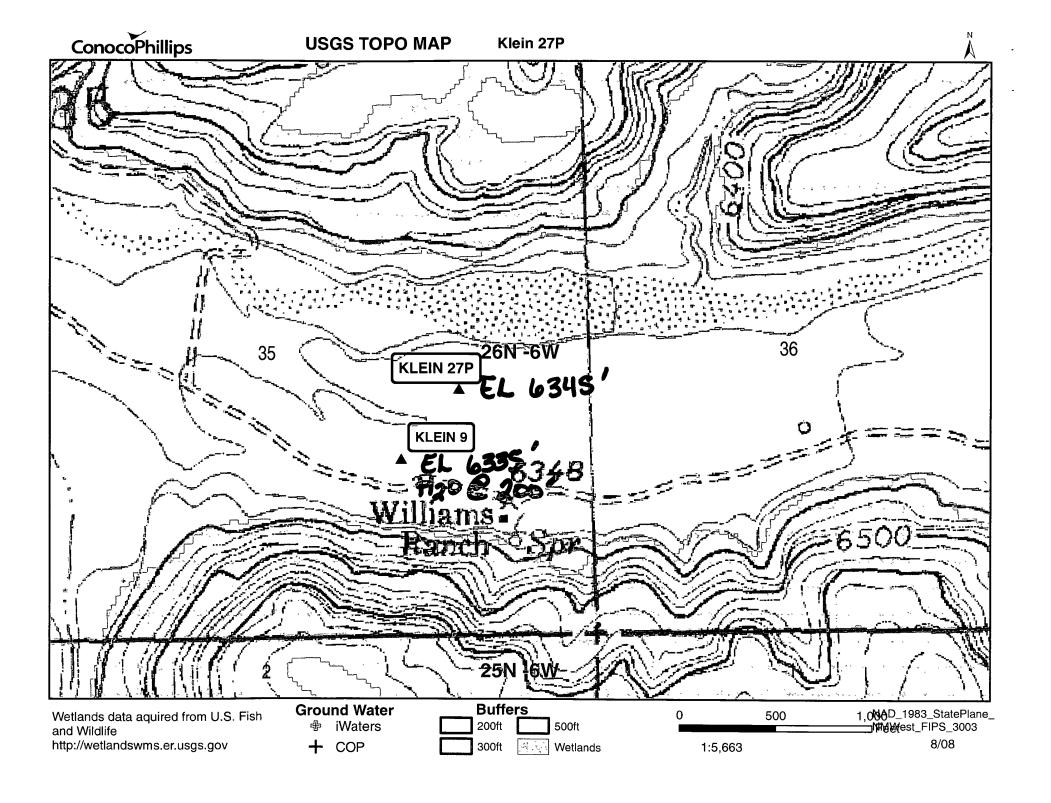
POD Number

New Mexico Office of the State Engineer POD Reports and Downloads

***************************************		****						
Townshi	p: 25N Ran	ge: 06W	Sections:	_				a portion and the second se
NAD27 X	:	•	Zone:		Search Ra	idius:	production of the state of the	
County:	Bas	sin:			Number:	f	Suffix	:
Owner Name: (First	st)	(Last)	o	C	Non-Do	mestic	ODomes	stic
200 (0.3)	POD / Surface D		Avg	g Depth to	Water Re	port	כ	
	Clea	r Form	iWATERS Me	enu H	lelp			
eter et in ste negen en engage gette et de investeurs une generalge gene den une neue	A COMPANY OF STATE OF	WATE	R COLUMN R	EPORT 10	/02/200	8		
	quarters are							
	quarters are		o smallest)		Depth	Depth	Wat∈
POD Number		Sec q q q	Zone	x		Well	Water	Colum
SJ 00201	25N 06W					1346	3.500°)	84
SJ 00681	25N 06W	=					80	
SJ 00681 12	25N 06W	33 4 4 4				435		

Record Count: 3





27E-30-039-23772 9,30-039-82353 14-30-039-20255

3705

HDATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

Operator Meridian Oil Inc. Location: Unit O Sec. 35 Twp 26 Rng O6
Name of Well/Wells or Pipeline Serviced
Klein Mesa #27E, #9, +*/H
Elevation 6335 Completion Date 7-25-93 Total Depth 474 Land Type F
Casing Strings, Sizes, Types & Depths 5/22 SeT 171048" PVC CASING
NO GAS, WATER, OF Boulders Were ENCOUNTERED DURING CASING.
If Casing Strings are cemented, show amounts & types used CemenTed
WITH 845ACKSi.
If Cement or Bentonite Plugs have been placed, show depths & amounts used
No plugs
Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 200'and was clear
Depths gas encountered: No gos
Ground bed depth with type & amount of coke breeze used: 474 with
118 (5016) Sacks of Asbury 218R
Depths anodes placed: 4/13 at 460 and 415 13 at 2251
Depths vent pipes placed: Bottom to Surface
Vent pipe perforations: 20 to 175' DEGETVEN
Remarks:
OIL CON. DIV.
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

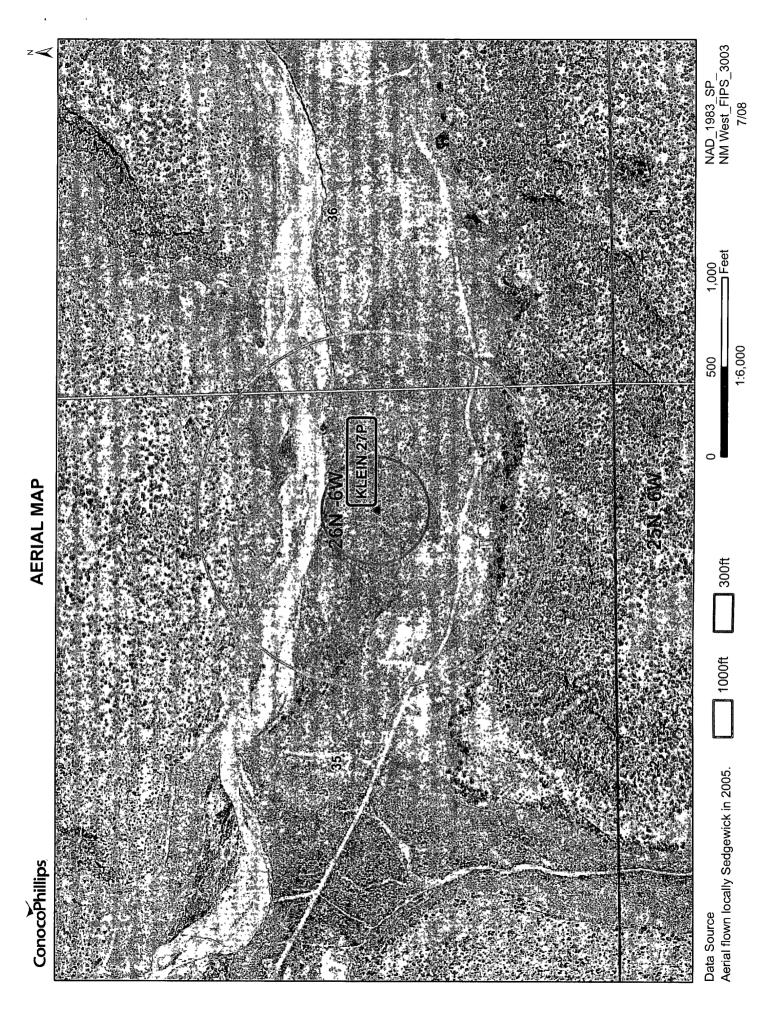
(Form C-104) Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

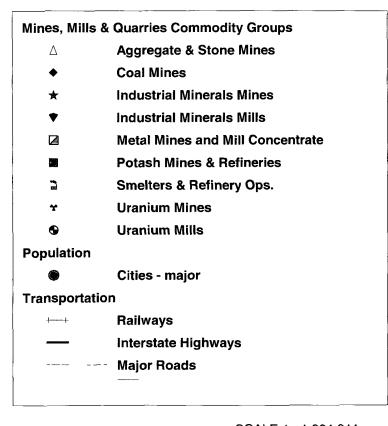
New Well

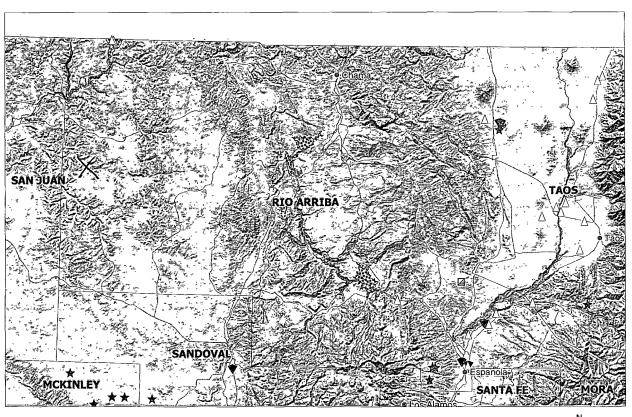
This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gar well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

					Farmington, New Mexico (Place)	January 26, 1960 (Date)
WE AR	E HERI	EBY RE	QUESTIN	G AN ALLOWABLE FO	OR A WELL KNOWN AS:	, ,
		iral G		ny Kle (Lesse	in , Well No9 , in	SE 1/4, SE 1/4,
					, NMPM, So.Blanco P. C.	Pool
Rio	Arriba	a		County. Date Spudded	12-6-59 Date Drilling Comp	leted 12-10-59
		dicate lo		Elevation 663	9Total Depth <u>2628</u> Perf.) Name of Prod. Form. Pictu	1005C.O. 2597
D	С	В	A	PRODUCING INTERVAL -		· · · · · · · · · · · · · · · · · · ·
E	F	G	Н	Perforations 2536-2 Open Hole None	548; 2568-2576 Depth Casing Shoe 2 6 27'	Depth Tubing 2550'
L	K	J	I	OIL WELL TEST -		Choke
M	N	0	P	Test After Acid or Fractu	bbls.oil, bbls water in recovery of volume of bbls.oil, bbls water in	of oil equal to volume of
20019	990	'E'	х	GAS WELL TEST -		
					MCF/Day; Hours flowed	
tubing , Size	Tubing Casing and Comenting Record Size Feet Sax			medical are toolarly (passes)	back pressure, etc.):	
			SAX		re Treatment: 470 MCF/D	
8 5/8	3" :	1271	102		d of Testing: Calculated A.O.F.	
5 1/2	2" 2	2617	8 o	_	t (Give amounts of materials used, such	
				sand): 33,516 gel. Casing 888 Tubing Press. 888 Press.	water & 20,000# sand. Date first new oil run to tanks	
1 1/4	" 2	550'	•••	Oil Transporter El P	aso Natural Gas Products Cor aso Natural Gas Company	OF FIVEN
Remarks	:					KLULIVED \
•					**	JAN 2 8 1960 OIL CON. COM.
			it the infor	mation given above is tru	e and complete to the best of my knowl	ędge.DIST. 3
Approve	d	JAL	N 2 8 19 60	, 19	El Paso Natural Gas Cor (Company or Op- Original Signed By: U.S.	f. O'Reim
	OIL C	ONSER	VATION	COMMISSION	By: (Signature)	A \$44
				ry C. Amold	Data and areas The education	
		Supe	rvisor Dist,	#3	Send Communications rep	garding well to:
Title				- Markey Co.	Name E. S. Oberly	** ************************************
					Box 997, Farmington	. New Mexico



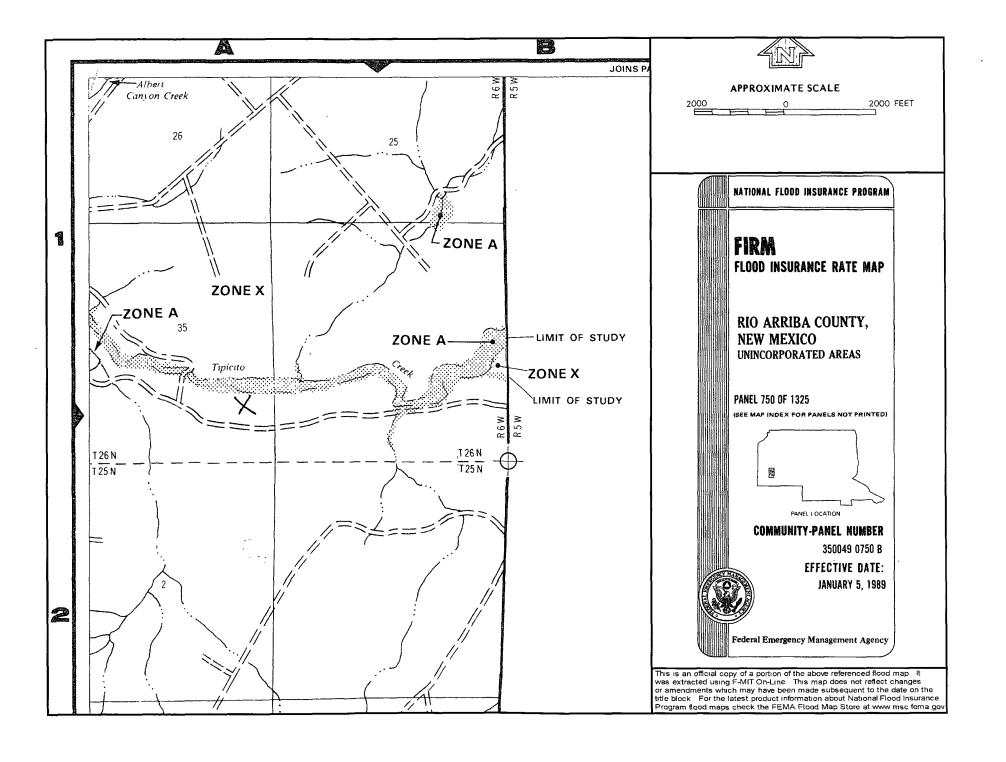
Klein 27P Mines, Mills and Quarries Web Map











Hydrogeological report for Klein 27P

Regional Hydrogeological context:

The San Jose Formation of Eocene age occurs in New Mexico and Colorado, and its outcrop forms the land surface over much of the eastern half of the central basin. It overlies the Nacimiento Formation in the area generally south of the Colorado-New Mexico State line and overlies the Animas Formation in the area generally north of the State line.

The San Jose Formation was deposited in various fluvial-type environments. In general, the unit consists of an interbedded sequence of sandstone, siltstone, and variegated shale. Thickness of the San Jose Formation generally increases from west to east (200 feet in the west and south to almost 2,700 feet in the center of the structural basin). Ground water is associated with alluvial and fluvial sandstone aquifers. Thus, the occurrence of ground water is mainly controlled by the distribution of sandstone in the formation. The distribution of such sandstone is the result of original depositional extent plus any post-depositional modifications, namely erosion and structural deformation. Transmissivity data for San Jose Formation are minimal. Values of 40 and 120 feet squared per day were determined from two aquifer tests (Stone et al, 1983, table 5). The reported or measured discharge from 46 water wells completed in San Jose Formation ranges from 0.15 to 61 gallons per minute and the median is 5 gallons per minute. Most of the wells provide water for livestock and domestic use.

The San Jose Formation is a very suitable unit for recharge from precipitation because soils that form on the unit are sandy and highly permeable and therefore readily adsorb precipitation. However, low annual precipitation, relatively high transpiration and evaporation rates, and deep dissection of the San Jose Formation by the San Juan River and its tributaries all tend to reduce the effective recharge to the unit.

Stone et al., 1983, Hydrogeology and Water Resources of the San Juan Basin, New Mexico: Socorro, New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 6, 70 p.

Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The Klein 27P is not located in an unstable area. The location is not over a mine and is not on the side of a hill as indicated on the Mines, Mills and Quarries Map and Topographic Map. The location of the excavated pit material will not be located within 300' of any continuously flowing watercourse or 200' from any other watercourse as indicated on the Topographic Map. The location is not within a 100-year floodplain area as indicated on the FEMA Map. The groundwater depth is considered to be greater than 100' as determined by the topographic map and the Cathodic well data from the Klein 9 with an elevation of 6335' and groundwater depth of 200'. The subject well has an elevation of 6345' which is greater than the Klein 9, therefore the groundwater depth is greater than 100'. There are no iWATERS data points located in the area as indicated on the TOPO Map. The location is located near a possible wetland as indicated on the topographic map provided with information from the USGS. Due to this a field inspection was performed on July 10th, 2008 and it was determined the subject well does not meet the criteria of a wetland as defined by the Oil Conservation Division. The Cathodic data provided the indication of groundwater depth is greater than 100'. The hydro geologic analysis indicates the groundwater depth and the San Jose formation will create a stable area for this new location.

Tafoya, Crystal

From:

Tafoya, Crystal

Sent:

Thursday, October 02, 2008 5:36 PM 'mark_kelly@nm.blm.gov'

To:

Subject:

Surface Owner Notification

The temporary pit for the following list of wells will be closed on-site. Please let me know if you have any questions.

Klein 27P Lively 21N Marshall 1F McDurmitt 1P

Thanks,

Crystal L. Tafoya Regulatory Technician ConocoPhillips Company San Juan Business Unit Phone: (505) 326-9837

Email: Crystal.Tafoya@conocophillips.com

DESTRICT I 1685: N. Prench Dr., Hobbs, N.M. 88240 State of New Mexico Energy. Minerals & Natural Resources Department

3

Form C-102 Revised October 12, 2005

DESTRUCT II 1801 V. Grand Avenue, Artesia, N.M. 88210

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

DISTRICT III. 1000 Ro Bresos Rd., Asteo, N.M. 87410 OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87506

☐ AMENDED REPORT

MSTRICT IV 1220 S. St. Francis Dr., Santa Po, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT

"Bab bothion and hottled belonion in				
API Number Pool Code Pool Name				
30-039- 2	71599 / 72319	BĄSIN DĄKOTA/BLAI	NCO MESAVERDE	
Property Code	*Prope	*Property Hama		
7228 -	7228 KLEIN		27P	
OGRED No.	⁴ Opera	*Operator Name		
14538	BURLINGTON RESOURCES	OIL AND GAS COMPANY LP	6345 [*]	

10 Surface Location UL or lot no. Feet from the North/South line Rost/West line Section Township Lot Idn Feet from the County 1300 35 26N 6W SOUTH 690° RIO ARRIBA P EAST 11 Bottom Hole Location If Different From Surface UL or lot no. Feet from the Section Lot Mn North/South line Foot from the Enst/West line County Dedicated Acres is Joint or Infill A Consolidation Code 15 Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	NO MILLO PADILIS	OR A NON-STAN	idard unit has bee	N APPROVED BY	THE DIVISION
F				500 3 20° 60°	OPERATOR CERTIFICATION
			1	FRD 3.25" BCT BUM 1957	I hereby certify that the information contained herein is true and complete to the best of my honologie and belief, and that this organization either come a
	!	1	\		scoring interest or uniscosed enterest in the lend dichreiting the proposal bottom hale location or has elgel for drill the suell, or disk location programs to a contract with an ounier or a computerry pooling order
	<u>.</u>	 			Laby My 125/07 Signature Date
	ı			5236.13 (M)	Patsy Clugston Printed Name
) ·	·	1		153	16 SURVEYOR CERTIFICATION
ŀ		1	1 3		I bresty acriffy that the will location shows on this plat- tons platted from field notes of actual surveys made by
		 			ups or suctor my superstators, and that the eases to true and correct to the hest of my belief.
				≥	1 00.61 20, 2001
	LEASE #	USA SF-079265	IAT 38.43839 LONG. 107.4301 LAT 36°26.3627 LONG. 107°25.73	N (NADB3) 19 5 5 W (NADB3) - 2 5 N (NADB27) -	Spil Russell
			BROAG-KLEIN #24M	G-3901	SAND A HUSS
				8	(Registration of the second of
					To be a roll of
		FRO 3.25" BC		45.40" (M)" Hip 33 650.23" (R) 1657 M	Gurtificate Bumber 10201

Burlington Resources Oil & Gas Company, LP San Juan Basin Closure Plan

In accordance with Rule 19.15.17.12 NMAC the following information describes the closure requirements of temporary pits on Burlington Resources Oil & Gas Company, LP (BR) locations. This is BR's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of pit closure. Closure report will be filed on C-144 and incorporate the following:

- Details on Capping and Covering, where applicable.
- Plot Plan (Pit Diagram)
- Inspection Reports
- Sampling Results
- C-105
- Copy of Deed Notice will be filed with County Clerk

General Plan:

- All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division—approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011).
- 2. The preferred method of closure for all temporary pits will be on-site burial, assuming that all the criteria listed in sub-section (B) of 19.15.17.13 are met.
- 3. The surface owner shall be notified of BR's closing of the temporary pit prior to closure as per the approved closure plan via certified mail, return receipt requested.
- 4. Within 6 months of the Rig Off status occurring BR will ensure that temporary pits are closed, re-contoured, and reseeded.
- 5. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email, or verbally. The notification of closure will include the following:
 - i. Operator's name
 - Location by Unit Letter, Section, Township, and Range. Well name and API number.
- 6. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "All" of the liner i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at the San Juan County Landfill located on CR 3100.
- 7. Pit contents shall be mixed with non-waste containing, earthen material in order to achieve the solidification process. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed a safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents.
- 8. A five point composite sample will be taken of the pit 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.

Components	Tests Method	Limit (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	(1000/500
		1 1000

- 9. Upon completion of solidification and testing standards being passed, the pit area will be backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. If standard testing fails BR will dig and haul all contents pursuant to 19.15.17.13.i.a. After doing such, confirmation sampling will be conducted to ensure a release has not occurred.
- 10. During the stabilization process if the liner is ripped by equipment the Aztec OCD office will be notified within 48 hours and the liner will be repaired if possible. If the liner can not be repaired then all contents will be excavated and removed.
- 11. Dig and Haul Material will be transported to the Envirotech Land Farm located 16 miles south of Bloomfield on Angel Peak Road, CR 7175. Permit # NM010011
- 12. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Reshaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 13. Notification will be sent to OCD when the reclaimed area is seeded.
- 14. BR shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

Туре	Variety or Cultivator	PLS/A
Western wheatgrass	Arriba	3.0
Indian ricegrass	Paloma or Rimrock	3.0
Slender wheatgrass	San Luis	2.0
Crested wheatgrass	Hy-crest	3.0
Bottlebrush Squirreltail	Unknown	2.0
Four-wing Saltbrush	Delar	.25

Species shall be planted in pounds of pure live seed per acre: Present Pure Live Seed (PLS) = Purity X Germination/100 Two lots of seed can be compared on the basis of PLS as follows:

Source No. One (poor quality)

Purity

50 percent

Germination

Percent PLS

Source No. two (better quality)

Purity

80 percent

Germination

Germination

Germination

Percent PLS

Fercent PLS

Source No. two (better quality)

Purity

Germination

Germination

Fercent PLS

Source No. two (better quality)

Purity

Source No. two (better quality)

5 lb. bulk seed required to make 2 lb. bulk seed required to make

1 lb. PLS 1 lb. PLS

15. The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time of all wells on the pad are abandoned. The operator's information will include the following: Operator Name, Lease Name, Well Name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.