1625 N French Dr , Hobbs, NM 88240

State of New Mexico **Energy Minerals and Natural Resources** Form C-144 July 21, 2008

District II 1301 W Grand Ave , Artesia, NM 88210 District III

1000 Rio Brazos Rd, Aztec, NM 87410

Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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

For permanent pits and exceptions submit to the Santa Fe

District IV 1220 S St Francis Dr., Santa Fe, NM 87505	Environmental Bureau office and provide a copy to the appropriate NMOCD District Office
Pit, Closed-Loop System, Below-Gra	
Proposed Alternative Method Permit or Clo	osure 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	e tank, or proposed alternative method
Modification to an existing permit	
X Closure plan only submitted for an existing perm below-grade tank, or proposed alternative method	
Instructions: Please submit one application (Form C-144) per individual pit, closed-le	oop system, below-grade tank or alternative request
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 applicates	
1	
Operator: Burlington Resources Oil & Gas Company, LP	OGRID#: <u>14538</u>
Address: PO Box 4289, Farmington, NM 87499	
Facility or well name: San Juan 27-4 Unit 140B	
API Number: 30-039-30487 OCD Permit Num	ıber.
U/L or Qtr/Qtr: H(SENE) Section: 10 Township: 27N Range:	4W County: Rio Arriba
Center of Proposed Design: Latitude: 36.590006' N Longitude:	107.2244388' W NAD: 1927X 1983
Surface Owner: X Federal State Private Tribal Trust or Ind	ian Allotment
X Pit: Subsection F or G of 19.15.17.11 NMAC Temporary. X Drilling Workover Permanent Emergency Cavitation P&A X Lined Unlined Liner type Thickness 20 mil X LLDPE X String-Reinforced Liner Seams: X Welded X Factory Other Volume 44	HDPE
Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: P&A Drilling a new well Workover or Drilling (Applies notice of intent)	to activities which require prior approval of a permit or
Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE Liner Seams: Welded Factory Other	
4 Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume bbl Type of fluid:	HDPE PVD Other OIL CONS. DIV. DIST. 3 OIL CONS. DIV. DIST. 3 OIL CONS. DIV. DIST. 3
Tank Construction material:	CALL COLLEGE
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and a	atomatic overflow shut-off
Liner Type: Thickness mil HDPE PVC Other	
Emer 13pc. Thickness mil Tibi E 11 ve 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.

Females: Subsection D of 1931-317-31 NAMAC (Applies to permission for the temporary past, and below-quale analys)							
Section Sect	Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)						
Alternate Peace specify 4 hoppine funce with a single strand of barbod wire on top.							
Noting Subsection E of 19.15.17.11 NMAC (Applies to permanent pics and permanent open top tonks)	Four foot height, four strands of barbed wire evenly spaced between one and four feet						
Series Neturn Other	Alternate Please specify 4' hogwire fence with a single strand of barbed wire on top.						
Signal in compliance with 19.15.17.11 NMAC 12° X-34° 2° letternes, providing Operator's name, site location, and emergency telephone numbers Signal in compliance with 19.15.31 00 NMAC Signal in compliance with 19.15.31 00 NMAC Administrative Autroruls and Exceptions: Dantifications and/or demonstrations of opurationey are required. Please refer to 19.15.77 NMAC for guidance Please check a box if one or more of the following is requested, if not leave blanks: Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Pe Environmental Bureau office for consideration of approval Exception(s): Requests must be submitted to the Santa Re Environmental Bureau office for consideration of approval.	Screen Netting Other						
Sings. Subsections Cot 19.15.17.11 NNAC 12" X 24", 2" lettering, providing Opernor's name, site location, and emergency telephone numbers Signed in compliance with 19.15.3 103 NNAC Ministrative Approvals and Executions: Institutions and/or demonstrations of equivalency are required. Please refer to 19.15.17 NNAC for guidance Please checke a box (for or more of the following is requested, if not leave blank: Administrative Approvals and Executions: Institutions and/or demonstrations of equivalency are required. Please refer to 19.15.17 NNAC for guidance Please checke a box (for or more of the following is requested, if not leave blank: Institution: The experimental provides: Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval. Siling Criteria (regarding nermitting): 19.15.17.10 NNAC Institution: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendation of acceptable source material are provided below. Requests regarding changes to certain sting criteria may require administrative approval given and appropriate district affector may be regulated. Please refer to 19.15.17.10 NNAC for guidance. Siting criteria does not apply to drying make or about grade thanks submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Application must attach justification for request. Please refer to 19.15.17.10 NNAC for guidance. Siting criteria does not apply to drying make or about grade thanks in the proposed site of a continuously flowing watercourse, or 200 feet of any other watercourse, takebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Tropographic map; Visual suspection (certification) of the proposed site start alphoto; Satellite image Within 300 feet of non a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or ca	Monthly inspections (If netting or screening is not physically feasible)						
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	Within an unstable area.	Yes	No				
- FEMA map	Within a 100-year floodplain	Yes	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							
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							
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 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 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							
Waste Removal (Closed-loop systems only)							
X On-site Closure Method (only for temporary pits and closed-loop systems)							
XIn-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 Oil Conservation Division Page 3 of 5

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Stee Instructions Please identify the faculty or facilities for the disposal of liquids, drilling		extra a				
are required	janas ana aria cunings. Ose anachmeni y more inan iwo ja	tunes				
Disposal Faculity Name:	Disposal Facility Permit #					
Disposal Faculty Name:	Disposal Facility Permit #					
Will any of the proposed closed-loop system operations and associated activities Yes (If yes, please provide the information No	s occur on or in areas that will not be used for future set	rvice and operati	ions?			
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specification - based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Plan - based upon the appropriate Plan - based upo	tion I of 19.15.17.13 NMAC	:				
Siting Criteria (Regarding on-site closure methods only: 19 15.17.10 NMAC Instructions, Each siting criteria requires a demonstration of compliance in the closure plan Exertain siting criteria may require administrative approval from the appropriate district office of for consideration of approval Justifications and/or demonstrations of equivalency are required.	Recommendations of acceptable source material are provided below or may be considered an exception which must be submitted to the S					
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 obta	ined from nearby wells	Yes N/A	X No			
Ground water is between 50 and 100 feet below the bottom of the buried waste		☐ ☐Yes [:	X No			
- NM Office of the State Engineer - tWATERS database search; USGS; Data obtain	1		A I			
Ground water is more than 100 feet below the bottom of the buried waste	ined from pageby walls	X Yes	_] ^{No}			
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtain	med from hearby webs	∐N/A	_			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signific (measured from the ordinary high-water mark).	Yes	X No				
- Topographic map; Visual inspection (certification) of the proposed site	□v F	<u>v</u>]N ₂				
Within 300 feet from a permanent residence, school, hospital, institution, or church in a - Visual inspection (certification) of the proposed site; Aerial photo; satellite image		X No				
Within 500 horizontal feet of a private, domestic fresh water well or spring that less that purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exist - NM Office of the State Engineer - iWATERS database; Visual inspection (certific	ence at the time of the initial application		X No			
Within incorporated municipal boundaries or within a defined municipal fresh water w pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obta		Yes [X No			
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map; Visual insp		Yes	X No			
Within the area overlying a subsurface mine.		Yes	X No			
- Written confiramtion or verification or map from the NM EMNRD-Mining and M	Ameral Division		_			
Within an unstable area. - Engineering measures incorporated into the design, NM Bureau of Geology & M	ineral Resources; USGS; NM Geological Society;	Yes	X No			
Topographic map Within a 100-year floodplain - FEMA map		Yes [X No			
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each by a check mark in the box, that the documents are attached.	of the following items must bee attached to the closure	e plan. Please ii	ndicate,			
X Siting Criteria Compliance Demonstrations - based upon the appropriate	e requirements of 19 15 17 10 NMAC					
X Proof of Surface Owner Notice - based upon the appropriate requirement	•					
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 a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC						
X Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC						
Confirmation Sampling Plan (if applicable) - based upon the appropriate	e requirements of Subsection F of 19.15.17.13 NMAC					
X Waste Material Sampling Plan - based upon the appropriate requiremen	ts of Subsection F of 19.15.17.13 NMAC					
X Disposal Facility Name and Permit Number (for liquids, drilling fluids a	and drill cuttings or in case on-site closure standards can	not be achieved)			
X Soil Cover Design - based upon the appropriate requirements of Subsec						
X Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC 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

19
Operator Application Certification:
I hereby certify that the information 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: Date 1/26/08
- Capital - The same of the sa
e-mail address: <u>crystal tafoya@conocophillips com</u> Telephone: 505-326-9837
20
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature:
Title: En Vico / Spec OCD Permit Number:
Title: Fn. Vico / Spec OCD Permit Number:
21
Closure Report (required within 60 days of closure completion): Subsection K of 19 15 17 13 NMAC
Instructions Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure
report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an
approved closure plan has been obtained and the closure activities have been completed.
Closure Completion Date:
22 Closure Method:
Waste Excavation and Removal On-site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)
If different from approved plan, please explain.
23
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:
Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities
were utilized. Disposal Faculity Name: Disposal Faculity Permit Number:
· · · · · · · · · · · · · · · · · · ·
Disposal Facility Name: Disposal Facility Permit Number: Were the closed loop system provides and associated activities performed on or in except that will not be used for future service and associated activities performed on or in except that will not be used for future service and associated activities performed on or in except that will not be used for future service and associated activities performed on or in except that will not be used for future service and associated activities performed on or in except that will not be used for future services and associated activities performed on or in except that will not be used for future services and associated activities performed on or in except that will not be used for future services and associated activities performed on or in except that will not be used for future services and associated activities performed on or in except that will not be used for future services and associated activities performed on or in except that will not be used for future services and associated activities activities and activities are services and associated activities are services and activities are services are services are services and activities are services are services and activities are services are services.
Were the closed-loop system operations and associated activities performed on or in areas that <i>will not</i> be used for future service and operations? Yes (If yes, please demonstrate compiliane to the items below)
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
To vegetation Application Rates and Securing Technique
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.
Proof of Closure Notice (surface owner and division)
Proof of Deed Notice (required for on-site closure)
Plot Plan (for on-site closures and temporary pits)
Confirmation Sampling Analytical Results (if applicable)
Waste Material Sampling Analytical Results (if applicable)
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 Longitude: NAD 1927 1983
· · · · · · · · · · · · · · · · · · ·
25
Operator Closure Certification:
I hereby certify that the information and attachments submitted with this closure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that
the closure complies with all applicable closure requirements and conditions specified in the approved closure plan
Name (Print): Title:
Signature: Date
e-mail address: Telephone:

New Mexico Office of the State Engineer POD Reports and Downloads

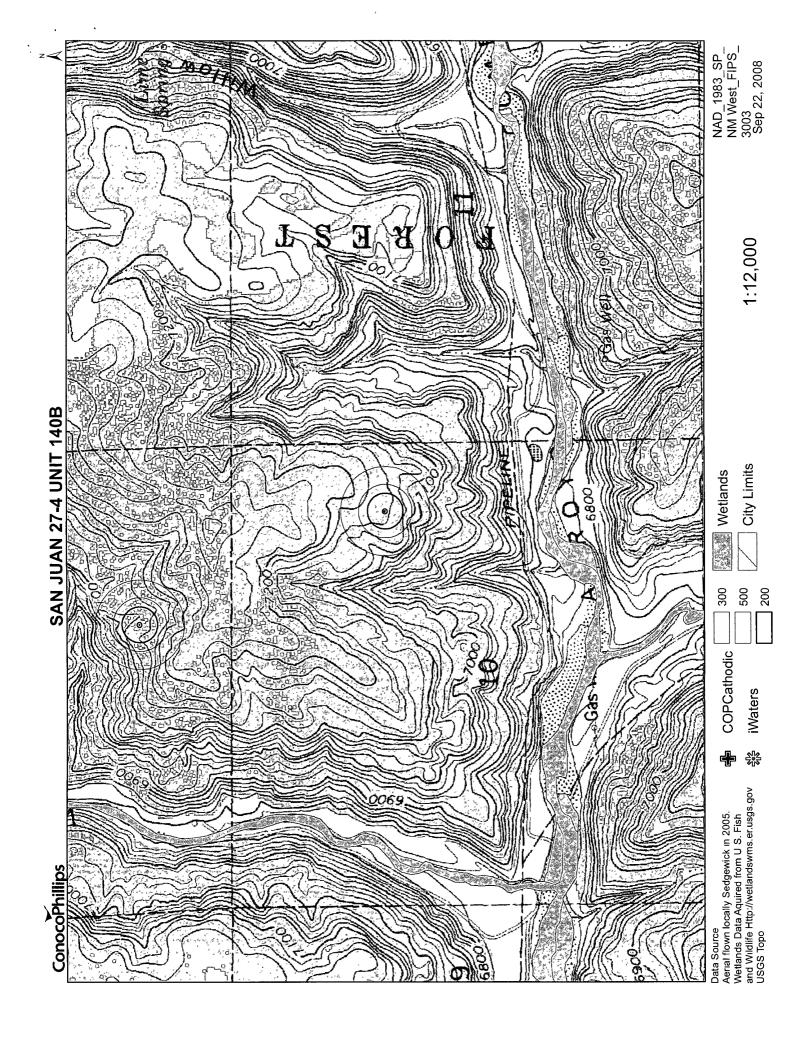
Township: 27N Range: 04W Sections:	9000
NAD27 X: Y: Zone: Search Radius:	
County: Basin: Number: Suffix:	
Owner Name: (First) (Last) O Non-Domestic O Domestic O All	
POD / Surface Data Report Avg Depth to Water Report Water Column Report	
Clear Form iWATERS Menu Help	

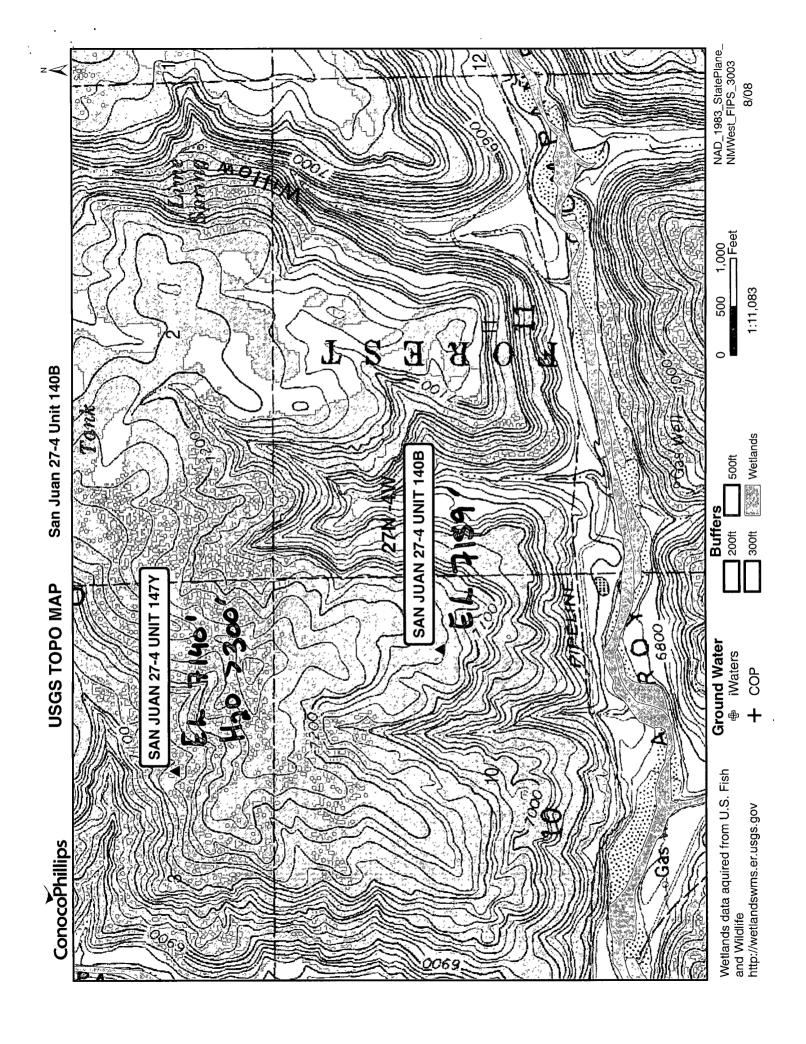
WATER COLUMN REPORT 11/18/2008

- ((quarters	are	1=NW	2=NE	3=SW	4 =	SE)
					_		_

	(quarter	s are bi	ggest to	smallest)			Depth	Depth	Water (in	feet)
POD Number	Tws	Rng Sec	d d d	Zone	X	Y	Well	Water	Column	
SJ 00048	27N	04W 01					143			
SJ 01049	27N	04W 18	4 2 2				15			
SJ 01205	27N	04W 34	4 4 4				3054	750	2304	

Record Count: 3





TIERRA CORROSION CONTROL, INC. DRILLING LOG

COMPANY: Conoco Phillips

LOCATION: San Juan 27-4 #147Y

STATE: NM BIT SIZE: 7 7/8"

LBS COKE BACKFILL: 2,600# ANODE TYPE: 3" X 60" Duriron

DATE: August 25, 2008 LEGALS: Sec3 T27N R4W

DRILLER: Gilbert Peck

CASING SIZE/TYPE: 8" X 20' PVC VENT PIPE: 300'

ANODE AMOUNT: 10

COUNTY: Rio Arriba

DEPTH: 300'

COKE TYPE: Asbury

PERF PIPE: 140'

BOULDER DRILLING: None

DEPTH	DRILLER'S LOG	AMPS	DEPTH	DRILLER'S LOG	AMPS
20	Casing		310		
25	Sandstone		315		
30			320		
35		.2	325		
40		.2	330		
45		.2	335		
50		.2	340		
55		.4	345		
60	_ ▼	.7	350		
65	Gray Shale	1.0	355		
70		1.3	360		
75		1.4	365		
80		2.4	370		
85		2.9	375		
90		2.1	380		
95		2.4	385		
100 105	 	2.6	390 395		
110		2.6	400	1	
115	 	2.5	405		
120	Sandstone	.9	410		
125	Carrastoric	.9	415		
130	Gray Shale	1.6	420		
135	l l	2.4	425		<u> </u>
140		2.6	430		
145		2.9	435		
150		2.8	440		
155		2.8	445		
160		2.1	450		
165		1.7	455		
170		1.6	460		
175		1.9	465		
180		2.8	470		
185		2.9	475		
190		3.1	480		
195		2.9	485		
200		3.1	490		
205		2.9	495 500		
210 215		2.4	500		
220		3.1	 		
225		2.9		 	
230		2.9			
235		2.9	1		
240		2.9			
245		2.8			
250		2.3			
255		2.0	l		
260		1.7	<u> </u>		
265		1.7			
270		1.6			
275		1.7			
280		2.0			
285		1.9			
290	▼	1.0			
295	Sandstone	.9			
300		td			
000					

Г				
	ANODE #	DEPTH	NO COKE	COKE
1	1	290	1.0	2.9
	2	280	2.0	3.9
	2 3 4	270	1.6	5.2
10000		260	1.7	5.5
	5	250	2.3	5.4
	6	240	2.9	8.1
2000	7	230	2.9	8.2
	8	220	3.1	7.9
1	9	210	2.4	6.6
	10	200	3.1	7.1
	11			
	12			
	13			
	14			
100	15			
81	16			
decide	17			
	18			
	19			
	20			
	21			
	22			
	23			
ı	24			
	25			
	26			
25.5	27			
	28			
	29			
	30			
100				

WATER DEPTH: None ISOLATION PLUGS: LOGING VOLTS: 12.47

VOLT SOURCE: AUTO BATTERY

TOTAL AMPS: 17.8

TOTAL GB RESISTANCE: .70

REMARKS:

Form 3160-4 (October 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR SUBMIT IN DUPLICATE Character in Charac

BUREAU OF LAND MANAGEMENT JUL 2 2 2

FOR APPROVED OMB NO 1004-0137

Expires December 31, 1991
5 LEASE DESIGNATION AND SERIAL NO

USA SF - 080668

WELL COMP	LETION OR	RECOMP	LETION F	REP	ORT AND	ĻQ	G*3CMent	6 IF	INDIAN, ALLOTTE	E OR TRIBE NAME
1a TYPE OF WELL	Off METT	CAS WELL X		Other			-	N	444 - 38c	IOBA-MUL
b TYPE OF COMPLETION:								San Juan 27-4 Unit		
NEW NEW	WORK DEEP	PLUG BACK	DIFF	Other				8 FA	RM OR LEASE NA	ME, WELL NO.
				4			-	San Juan 27-4 Unit 147Y		
2 NAME OF OPERAT	TOR							9 AF	WELL NO	
	ON RESOURCES	OIL & GAS CO	MPANY				- 	ļ.,	30-039-3034 IELD AND POOL.	13-0051
3 ADDRESS AND TE	ELEPHONE NO 289, Farmington, N	M 87400 (5	05) 326-97	nn				10 F		o Mesaverde
4 LOCATION OF WE					uirements)*			11 S		BLOCK AND SURVEY
At surface Unit O (SWSE) 910' FSL & 1910' FEL OR AREA										
								Sec.	3, T27N, R04V	V, NMPM
At top prod. interval	reported below	Same As Abo	ove					ļ	RCVD	JUL 28 '08
At total depth	Same As Above								OTI (ONS. DIV.
At total depth	odine P3 PD016							1		NST. S
			14. PERMIT N	Ο.	DATE ISSUE	D		•	OUNTY OR	13 STATE
					Ì			}	PARISH Rio Arriba	New Mexico
15 DATE SPUDDED 1	16 DATE TO REACHE	- 1	COMPL. (Ready	to prod)		18. EL	EVATIONS (DF, R	KB, RT,		19 ELEV CASINGHEAD
5/1/08	5/21/08		17/08			GL	7140'	KB	7156'	
20. TOTAL DEPTH, MD 8	21 PLUG,	BACK T.D , MD &T\	/D 22 IF MUL	HOW M			RILLED BY	ROTAL	Y TOOLS	CABLE TOOLS
6623'	661							yes		1
24 PRODUCTION INTER	RVAL (S) OF THIS COMP	LETION-TOP, BOTT	OM, NAME (MD /	AND TVD)•				25 WAS DIRECT SURVEY MA	
Blanco Mesav	verde 5624' - (6476;							00	No
26 TYPE ELECTRIC AN								27 WA	S WELL CORED	
GR, CBL, CC	`L				*					No
28	L MEIGHT I DIET	I provider a			(Report all strin			NO.		
9 5/8" H-40	WEIGHT, LB /FT 32.3#	DEPTH SET (1 229'	MD) HOLE:	SIZE	surface: 76 s		(122 cf)	JRD	1/4 bbls	AMOUNT PULLED
7" J-55	20/23#	4249'	8 3/4"		surface'; 401	SX	(952 cf)		10 bbis	
4 1/2" J-55	10.5#	6621'	6 1/4"		TOC 3380' 24	7sx (358 cf)		712010 2502	
SIZE TOP (M	LINER R D) BOTTOM (MD)	SACKS CEMEN	IT' SCREEN	I (MD)	30. SIZE		DEPTH SET (TUBING RECOR	PACKER SET (MD)
			-	. (2-3/8", 4.7#, .	J-55	6268'			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
31 PERFORATION REC	ORD (interval, size and nu	imber)	32. 6155' - 6	476'			HOT, FRACTURI			
PLO/LMF 6155' - 6	6476' = 30 holes		0133 + 0							d. N2 = 1267.2 SCF
UMF/CH 5624' - 60 Total holes = 60	078' = 30 holes		5624' -	6078			bbls 15% HCL			als 60Q N2 Id, N2 = 1267.4 SCF
33			L		PRODUCTION		//Oain, W/96, 13	39# ZU		
DATE FIRST PRODUCTION	y PRODU	CHON METHOD (F			ize and type of pur	(קו				roducing or shul-in)
SI W/O Facilities DATE OF TEST	HOURS TESTED	CHOKE SIZE	Flowing PROD'N FOR	OIL-B	BL	GAS-	-MCF	WATE	SI R-8BL	GAS-OIL RATIO
		ł	TEST PERIOD	ł	i	l	i	1		
7/17/08 FLOW. TUBING PRESS	CASING PRESSURE	1/2"	QILBBL	L	GAS-MCF	99 m	NATER-BB	<u> </u>	trace	OIL GRAVITY-API (CORR)
TOW. TOURING PRESS	CAGINGY RESIDENCE	24-HOUR RATE	ÇIL-OBC		J GAG-MCF		1			OIL GIVATI F-AFT (OURK)
SI-888# SI-886# 0 2379 mcf/d 2 bwpd										
34 DISPOSITION OF GAS (Sold, used for fue), venied, etc.)						D BY				
To be sold. W/O facilities to be set before first production. 35. LIST OF ATTACHMENTS										
This is a standa	This is a standalone MV well.									
36 I hereby certify that the	o foregoing and attached i	nformation is comple	ete and correct as	determin	ed from all available	le record	ds			
SIGNED SIGNED	As to	TITI	LE Regulat o	ory Tec	hnician			DATE	7/22/08	

(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

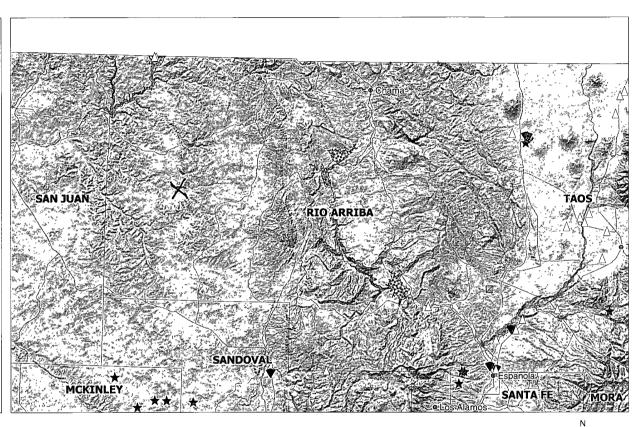
JUL 2 5 2008

FARMINGTON FIELD OFFICE

NMOCO

San Juan 27-4 Unit 140B Mines, Mills and Quarries Web Map

Mines, Mills & Quarries Commodity Groups **Aggregate & Stone Mines Coal Mines Industrial Minerals Mines Industrial Minerals Mills Metal Mines and Mill Concentrate Potash Mines & Refineries** Smelters & Refinery Ops. **Uranium Mines Uranium Mills Population** Cities - major **Transportation** Railways **Interstate Highways Major Roads**







Hydrogeological report for San Juan 27-4 Unit 140B

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 San Juan 27-4 Unit 140B 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 FEMA Map for the subject well is unavailable due to its location being in the forest. FEMA does not provide floodplain information for Forest Service land. This well is not located near a wash or watercourse and is not in 100 year floodplain as visible on the topographic map. The Cathodic well data from the San Juan 27-4 Unit 147Y has an elevation of 7140' and groundwater depth of greater than 300'. The subject well has an elevation of 7159' which is 19' greater than the San Juan 27-4 Unit 147Y, therefore the groundwater depth is greater than 300'. There are no iWATERS data points located in the area as indicated on the TOPO Map. 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, July 10, 2008 8:16 AM

To: Subject:

'mark_kelly@nm.blm.gov' OCD Pit Closure Notification

The following temporary pits will be closed on-site. The new OCD Pit Rule 17 requires the surface owner be notified. Please feel free to contact me at any time if you have any questions. Thank you!

Allison Unit 2B

Allison Unit 40N

Angel Peak B 27E

Ballard 11F

Cain 725S

Canyon Largo Unit 250N

Canyon Largo Unit 279E

Canyon Largo Unit 288E

Canyon largo Unit 297E

Canyon Largo Unit 465E

Carson SRC 4E

Day B 4P

Day B 5A

East 17S

EPNG A 1B

EPNG B 1M

Federal A 1E

Filan 5M

Filan 5N

Fogelson 4 100

Fogelson 4 100S

Grambling C 202S

Hagood 19

Hamner 9S

Hardie 4P

Hare 295

Heaton Com 100

Helms Federal 1G

Howell 12

Huerfanito Unit 103F

Huerfanito Unit 29S

Huerfanito Unit 39S

Huerfanito Unit 47S

Huerfanito Unit 50E

Huerfanito Unit 75E

Huerfanito Unit 83E

Huerfanito Unit 87E

Huerfanito Unit 90E

Huerfanito Unit 90M

Huerfanito Unit 98S Huerfano Unit 108F

Huerfano Unit 282E

Huerfano unit 305

Huerfano unit 307

Huerfano Unit 554

Johnston Federal 24S

King 3

Lackey A Com 100S

Lambe 1C

Lambe 7S

Lively 8M

Lloyd A 100

Lloyd A 100S

Martin 100

McCord B 1F

McDurmitt Com 100S

McManus 13R

Mitchell 1S

Morris A 14

Newberry B 1N

Newsom B 503

Newsom B 8N

Pierce A 210S

Roelofs 1N

San Juan 27-4 Unit 132G

San Juan 27-4 Unit 132M

San Juan 27-4 Unit 139N

San Juan 27-4 Unit 140B

San Juan 27-4 Unit 141M

San Juan 27-4 Unit 147Y

San Juan 27-4 Unit 153B

San Juan 27-4 Unit 22M

San Juan 27-4 Unit 38P

San Juan 27-4 Unit 41N

San Juan 27-4 Unit 42N

San Juan 27-4 Unit 569N

San Juan 27-4 Unit 59N

San Juan 27-4 Unit 60M

San Juan 27-5 Unit 113F

San Juan 27-5 Unit 59N

San Juan 27-5 Unit 84N

San Juan 27-5 unit 901

San Juan 27-5 Unit 902

San Juan 27-5 Unit 903

San Juan 27-5 Unit 904

San Juan 27-5 Unit 905

San Juan 27-5 Unit 906

San Juan 27-5 Unit 907

San Juan 27-5 Unit 908

San Juan 27-5 Unit 909

San Juan 27-5 Unit 910

San Juan 27-5 Unit 912

San Juan 27-5 Unit 913

San Juan 27-5 Unit 914

San Juan 27-5 Unit 915

San Juan 27-5 Unit POW 916

San Juan 28-4 Unit 27M

San Juan 28-5 Unit 54F

San Juan 28-5 Unit 62E

San Juan 28-5 Unit 63M

San Juan 28-5 Unit 76N

San Juan 28-5 Unit 77N

San Juan 28-6 Unit 113N

District I

1625 N. French Dr., Hobbs, NM 98240 *
District II

1301 W. Grand Avenue, Artesia, NM 98210
District III

1000 Rio Brazos Rd. Azice, 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 Submit to Ap 1220 South St. Francis D. Santa Fe, NM.87505

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

FEB 1 3 2008

AMMENDED REPORT

Bureau of Land Management WELL LOCATION AND ACREAGE DEDIGATION PLATORICA

	~	,	
30-039- 304	87 72319	3 Pool Name Blanco MESAVERDE	
1 Property Code		perty Name	Well Number
7452	SAN JU	JAN 27-4 UNIT	140B ·
" OGRID No	•	erator Name	⁹ Elevation
14538	BURLINGTON RESOUR	CES OIL & GAS COMPANY LP	7159

10 SURFACE LOCATION

						SURFACEL	JUCATION			•
•	UL or launo.	Section	Township	. Range	Louidn	Feet from the	North South bite ,	Feet from the	Fast/West line	County
ų,	经过来	103	27-N	4-W.		1730	NORTH:	503	EAST	RIO ARRIBA
*				19 Th	Bottom H	ole Location I	f Different From	Surface	1	
::	UL of lot no/65" 1	« Section »	Township.	Range:	/ Lot Idn	Feet from the	North/South fine	Feet from the 2003	¿ East/West line : 4	County 3
(5) km (1)	TO HOSE				5. 4. W.		Jak Jakoba Baran Bar Baran Baran Ba			
	Dedicated Acres	Joint o	r Intill ?	Cunsolidatio	n Code	Order No.	विकासिक वर	A	10000000000000000000000000000000000000	运动的现在分词
	320 11/2	-	1							

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	WEST	5284 6' (R)	,
·			OPERATOR CERTIFICATION
		1730*	Landis Roland
		NAD 83 DATUM LAT: 36.590006° N	Signoture
,		LONG: 107.231694° W	Kandis Roland
		NAD 27 DATUM LAT: 36°35;399748' N	503 Regulatory Technician ✓
		LONG: 107°13,865758' W	Title and E-mail Address
	en en		
			Dote:
		E/2 DEDICATED ACREAGE USA SF-080668	I hereby certify that the well invotion shows on this plat was pioted from field notes of seniol surviyes made by ne or under my inpersistion, and that the same is true
		SECTION 10 T-27-N, R-4-W	Date of Survey: 4/16/07 Signature and Seg. of Professional Surveyor:
			PROFESSION SOLUTION OF THE STATE OF THE STAT
	• •		Cartificate Number: NM 11393

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
 - ii. 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	<i>_</i> 5 0 Q
Chlorides	EPA 300.1	(1000/5)00

- 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. Forest Service 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.

Forest Service Seed Mix	Variety	Pounds/Acre
Indian ricegrass	Paloma	1.0
Western wheatgrass	Arriba	2.0
Blue Gramma	Hacheta or Alma	1.0
Antelope Bitterbrush	Unknown	.10
Four-wing saltbush	Unknown	.25
Pubescent wheatgrass	Luna	2.0
Intermediate wheatgrass	Oahe	2.0
Small burnet	Delar	1.0

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.