District 1 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

State of New Mexico Energy Minerals and Natural Resources

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

Form C-144 July 21, 2008

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		onmental Bureau office and provide a copy to the oriate NMOCD District Office.
3077 Propo	Pit, Closed-Loop System, Below-Grade Tarosed Alternative Method Permit or Closure F	
Type of action:	Permit of a pit, closed-loop system, below-grade tank, or Closure of a pit, closed-loop system, below-grade tank, or Modification to an existing permit X Closure plan only submitted for an existing permitted or below-grade tank, or proposed alternative method	r proposed alternative method
Instructions: Please submit one ap	oplication (Form C-144) per individual pit, closed-loop syste	m, 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: Burlington Resources Oil & Gas Company, LP OGRID#: 14538
Address: PO Box 4289, Farmington, NM 87499
Facility or well name: SUNRAY G 2C
API Number: 30-045-34603 OCD Permit Number:
U/L or Qtr/Qtr: O(SW/SE) Section: 21 Township: 31N Range: 9W County: San Juan
Center of Proposed Design: Latitude: 36.87924 °N Longitude: 107.78309 °W NAD: 1927 X 1983
Surface Owner: X Federal State Private Tribal Trust or Indian 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 12 mil X LLDPE HDPE PVC Other X String-Reinforced
Liner Seams: X Welded X Factory Other Volume: 4400 bbl Dimensions L 65' x W 45' x D 10'
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)
Drymg Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDPE PVD Other Liner Seams: Welded Factory Other
Below-grade tank: Subsection I of 19.15.17 11 NMAC Volume: bbl Type of fluid: 0IL CONS. DIV. DISL 3
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
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.									
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other Monthly inspections (If netting or screening is not physically feasible)									
Signs: Subsection C of 19.15.17.11 NMAC 12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers X Signed in compliance with 19.15.3.103 NMAC									
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. 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 consideration of approval. Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	deration of appi	roval.							
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	□No							
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, 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)	☐Yes ☐NA	□No							
- 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. (Applied to permanent pits)	Yes 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	□ No							
- 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	No							
 Written confirmation or verification from the municipality; Written approval obtained from the municipality 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 Within a 100-year floodplain - FEMA map	Yes Yes	∐No							

Form C-144 Oil Conservation Division Page 2 of 5

Temporary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment ChecklistSubsection 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
Alternative
Proposed Closure Method: Waste Excavation and Removal
Waste Removal (Closed-loop systems only)
X On-site Closure Method (only for temporary puts 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)
Wests Execution and Removal Cleanus Plan Charlies (10.15.17.12.NMAC) Justiniations: Each of the following items must be attached to the electron plan
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

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16									
Waste Removal Closure For Closed-loop Systems That Utilize Above Groun									
Instructions Please identify the facility or facilities for the disposal of liquids, difficulties are required	ruing juuds and ariu cuttings (ise attachment ij more than two								
Disposal Facility Name:	Disposal Facility Permit #:								
Disposal Facility Name:		1							
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will nbe used for future service and Yes (If yes, please provide the information No									
Required for impacted areas which will not be used for future service and opera Soil Backfill and Cover Design Specification - based upon the area.	propriate requirements of Subsection H of 19.15.17.13 N	MAC							
	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								
Site Reciamation Plan - based upon the appropriate requirements of	Subsection G of 19 15 17 13 NMAC								
17 Siting Criteria (Regarding on-site closure methods only: 19.15 17.10 the Instructions Each siting criteria requires a demonstration of compliance in the closure plane.		Requests regarding changes to							
certain siting criteria may require administrative approval from the appropriate district of office for consideration of approval—Justifications and/or demonstrations of equivalency of	fice or may be considered an exception which must be submitted to the Si								
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS Database State Engineer - iWATERS database State Engineer -	ata obtained from nearby wells	Yes X No							
Construction is between 50 and 100 feet below the heattern of the humin	dupata	Yes X No							
Ground water is between 50 and 100 feet below the bottom of the burie - NM Office of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search; USGS, Date of the State Engineer - iWATERS database search - iWATERS dat		N/A							
Ground water is more than 100 feet below the bottom of the buried was	·	X Yes No							
NM Office of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, USGS, Date of the State Engineer - iWATERS database search, US	· ·	N/A							
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other (measured from the ordinary high-water mark)	significant watercourse or lakebed, sinkhole, or playa lake	Yes XNo							
- Topographic map, Visual inspection (certification) of the proposed site									
Within 300 feet from a permanent residence, school, hospital, institution, or chu - Visual inspection (certification) of the proposed site; Aerial photo; satellite		Yes X No							
		Yes X No							
Within 500 horizontal feet of a private, domestic fresh water well or spring that le purposes, or within 1000 horizontal fee of any other fresh water well or spring, i - NM Office of the State Engineer - iWATERS database, Visual inspection	n existence at the time of the initial application								
Within incorporated municipal boundaries or within a defined municipal fresh was pursuant to NMSA 1978, Section 3-27-3, as amended	tter well field covered under a municipal ordinance adopted	Yes X No							
- Written confirmation or verification from the municipality: Written approx Within 500 feet of a wetland		Yes X No							
- US Fish and Wildlife Wetland Identification map, Topographic map, Visu Within the area overlying a subsurface mine.	at inspection (certification) of the proposed site	Yes XNo							
- Written confiramtion or verification or map from the NM EMNRD-Mining	g and Mineral Division								
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geolog	y & Minaral Resources LISGS: NM Geological Society	Yes X No							
Topographic map	y a milital resources, esos, in declinates society,								
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 clo	osure plan. Please indicate,							
by a check mark in the box, that the documents are attached.									
X Siting Criteria Compliance Demonstrations - based upon the appropriate req									
Construction/Design Plan of Burial Trench (if applicable) based									
Construction/Design Plan of Temporary Pit (for in place burial of									
Confirmation Sampling Plan (if applicable) - based upon the app		1AC							
X Waste Material Sampling Plan - based upon the appropriate requ									
X Disposal Facility Name and Permit Number (for liquids, drilling		ds cannot be achieved)							
Soil Cover Design - based upon the appropriate requirements of	Subsection H of 19.15.17 13 NMAC	:							
Re-vegetation Plan - based upon the appropriate requirements of									
X Site Reclamation Plan - based upon the appropriate requirement	s of Subsection G of 19.15.17.13 NMAC								

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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): Marie E. Jaramillo Microft Staff Regulatory Technician
Signature: Date: Date:
e-mail address. mafe.e jaramillo@conocoptillips.com V Telephone: 505-326-9865
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Approval Date: 7/7/09
Title: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 Clasura Mathada
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 Facility Pormit Number
Disposal Facility Name Disposal Facility Permit Number
Disposal Facility Name. Disposal Facility Permit Number
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations? Yes (If yes, please demonstrate compliant to the items below) No
Required for impacted areas which will not be used for future service and operations: Site Reclamation (Photo Documentation)
Soil Backfilling and Cover Installation
Re-vegetation Application Rates and Seeding Technique
Closure Penant Attachment Checklist. Inchestions East of the following items must be attached to the elegans many Plane indicate by a check must be
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
On-site Closure Location: Latitude: Longitude: NAD 1927 1983
25 On white Class Could at the country of the count
Operator Closure Certification:
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
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.
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
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:
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.



New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number b	Sub basin Use Co	ountv	Q 64	Q (16 4	l. Sec	Tws	Rna	X	Y	Depth Do Well W	epth Wa /aterCol	iter ümn
SJ 00016	IND	SJ	_	3 4	- 1	31N		253339	4083235*	118	Meteor v I. T. de Administration I.	TV Turkshirani
SJ 00022	IND	SJ		2	20	31N	09W	250557	4086032*	202	120	82
SJ 00023	IND	SJ		3	17	31N	09W	249764	4086871*	550	200	350
SJ 00029	NOT	SJ		4	21	31N	09W	252139	4085175*	178		
SJ 00052	IND	SJ		3	20	31N	09W	249738	4085267*	510		
								Aver	age Depth t	o Water:	160 feet	

Minimum Depth: 120 feet

Maximum Depth: 200 feet

Record Count: 5

PLSS Search:

Section(s): 15, 16, 17, 20,

Township: 31N

Range: 09W

21, 22, 29, 28, 27

^{*}UTM location was derived from PLSS - see Help

June 23, 2009

Feet

1:10,000 Aerial flown locally Sedgewick in 2005. Wetlands Data Aquired from U.S. Fish and Wildlife Http://wetlandswms.er.usgs.gov iWaters X SEC 300FT 0 250 500 1,000 COP USGS Topo 500FT X QTR-QTR-QTR

G#2A 30-045-20754 #250 30-045-26915

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS. NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)

ocation: Unit P Sec. 21 Twp 31 Rng 9
d SUNRAY G #2A, #250
. cps 2090w
Total Depth 360' Land Type* N/A
N/A
types used N/A
placed, show depths & amounts used
description of water when possible. 85' & 100' NO SAMPLE
<u> </u>
N/A
5', 275', 265', 255', 220', 195', 18 5'
DECEIWE -
IN.
MAY 3 1 1991
OIL CON.

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

44.

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

Form 3160-4 (October 1990)

UNITED STATÉS DEPARTMENT OF THE INTERIOR

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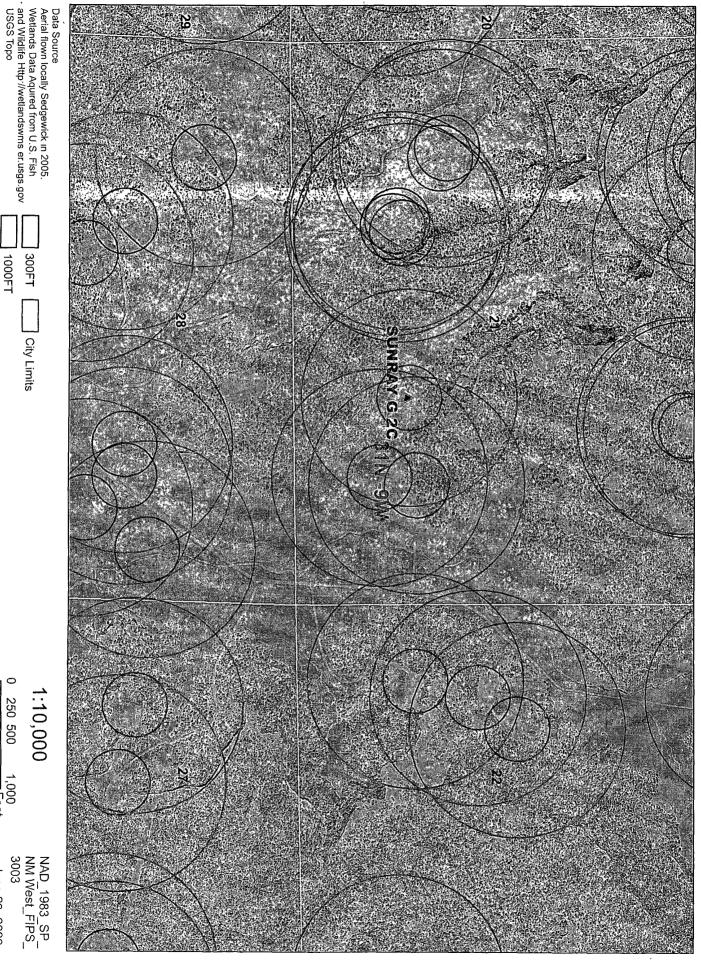
FOR APPROVED

OMB	NO.	1004-0137

Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO BUREAU OF LAND MANAGEMENT NMSF-078386A 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG* 1a. TYPE OF WELL: DRY 7. UNIT AGREEMENT NAME b. TYPE OF COMPLETION: NEW X WORK WELL X OVER B. FARM OR LEASE NAME, WELL NO Sunray G #2A 2 NAME OF OPERATOR API WELL NO. **BURLINGTON RESOURCES OIL & GAS COMPANY** 30-045-22754 7 3. ADDRESS AND TELEPHONE NO. PO BOX 4289, Farmington, NM 87499 (505) 326-9700 **Blanco Pictured Cliffs** 4. LOCATION OF WELL (Report location clearly and in accordance with any State MAY SEC., T. R. M. OR BLOCK AND SURVEY At surface SEC. 21, T31N, R9W, NMPM OR AREA SESE 1050 FSL, 900 FEL SEC. 21, T31N, R9W, NMPM At top prod. interval reported below At total depth 14. PERMIT NO COUNTY OR 13 STATE PARISH New Mexico San Juan 15. DATE SPUDDED 16 DATE T.D. REACHED 18. ELEVATIONS (DF. RKB, RT. BR. ETC.)* 19 ELEV, CASINGHEAD 1/20/79 4/14/05 6178' GL 1/8/79 20 TOTAL DEPTH, MD &TVD I. PLUG, BACK T.D , MD &TVD 22. IF MULTIPLE COMPL. HOW MANY 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS 5712 5690 24. PRODUCTION INTERVAL (8) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 25 WAS DIRECTIONAL SURVEY MADE 3044'-3106' Pictured Cliffs Νo 28. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED GR/CBL/CCL No CASING RECORD (Report all strings set in well) CASING SIZE/GRADE WEIGHT, LB./FT. HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED 9 5/8" J-55 7" J-55 32.3# 13 3/34 224 cu ft 3387 719 cu ft **8 3/4" JUBING RECORD** TOP (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) 2 3/8 5593 4 1/2 3206 5712 419 cu ft PERFORATION RECORD (III SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 3044' - 3056' @.34" dia. 1 spf 3044' - 3106' FRAC W/348 linear gel 70% quality foam pad, 100,000# 20/40 AZ SAND, 3067' - 3106' @ .34" dia 1 spf & 487,000 scf N2 TOTAL 51 shots PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (FIG elze and type of pump WELL STATUS (A Flowing Producing 4/16/05 DATE OF TEST ODN FOR GAS-MCF GAS-OIL RATIO TEST PERIOD 4/16/05 1 hour FLOW, TUBING PRESS OIL GRAVITY-API (CORR) ACCEPTED OR RECORD 24-HOUR RATE 138 SF 164 34, DISPOSITION OF GAS 170 S To be sold 35. LIST OF ATTACHMENTS FI RAINGTON R **OFFICE** None 38. I herpty earthy REOM DATE 4/18/05 TITLE Regulatory Specialist SIGNED (See Instructions and Spaces for Additional Data on Reverse Side) ROTON --3 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. Ø





J 300FT] 1000FT

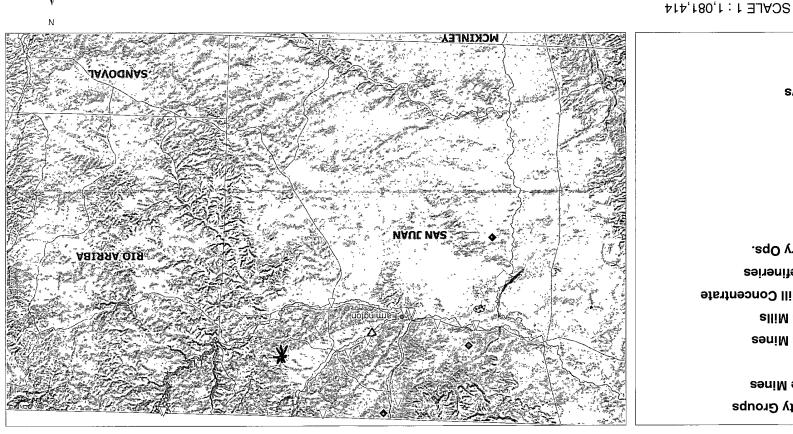
☐ City Limits

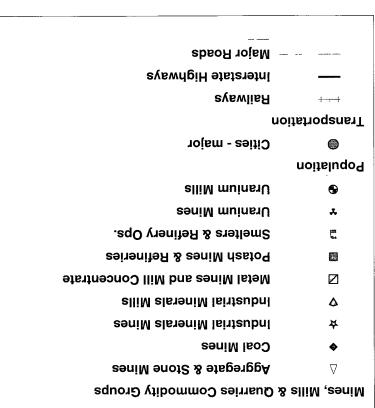
250 500

1,000 ——Feet

June 23, 2009

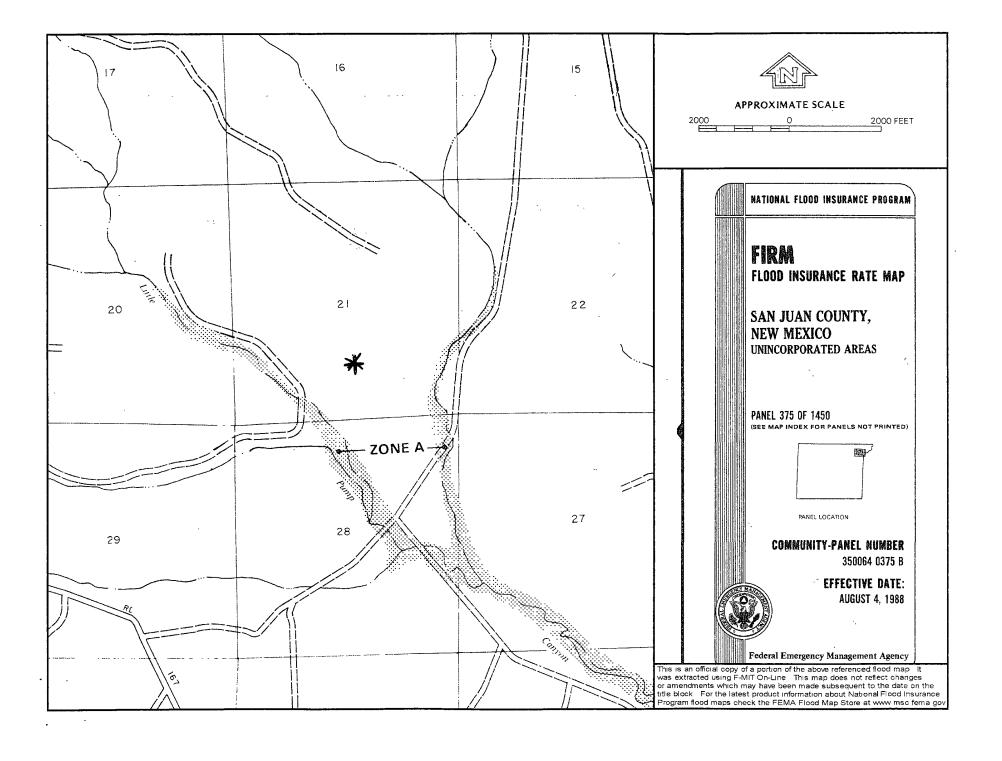
SUNRAY G 2C MINES MILLS & QUARRIES











Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The Sunray G 2C 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 Cathodic well data from the Sunray G 2A has an elevation of 6178' and groundwater depth of 85'. The subject well has an elevation of 6211' which is greater than the Sunray G 2A, 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 hydro geologic analysis indicates the groundwater depth and the San Jose formation will create a stable area for this new location.

Hydrogeological report for Sunray G 2C

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.

Jaramillo, Marie E

From:

Jaramillo, Marie E

Sent:

Thursday, June 25, 2009 1:27 PM

To:

Subject:

'mark_kelly@nm.blm.gov'
SURFACE OWNER NOTIFICATION

The subject wells will have a temporary pit that will be closed on-site. Please let me know if you have any questions.

NEW DRILL

SAN JUAN 28-6 UNIT 127N SAN JUAN 28-6 UNIT 154N PIERCE 2B

PIT CLOSURE

SUNRAY G 2C

Marie Jaramillo

Staff Regulatory Tech. **ConocoPhillips** *Office* # (505) 326-9865 Fax # (505) 599-4062 $\underline{mailto:marie.e.jaramillo@conocophillips.com}$ DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005

DISTRICT II 1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 67410

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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

☐ AMENDED REPORT

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87605

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	² Pool Code	*Pool Name BASIN DAKOTA,	/BLANCO MESAVERDE
Property Code	¹ Pro	* Well Number	
A722081, A738237	SU	INRAY G	2 C
OGRED No.	a Ope	* Elevation	
	BURLINGTON RESOURCES	6211'	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	21	31N	9W	13	1060'	SOUTH	1910'	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

VL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	1
¹⁸ Dedicated Acres ¹⁹ J			13 Joint or	or Infill ¹⁴ Consolidation Code		¹⁶ Order No.			1	
314.96 Acres - (E/2)										

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

16		OR A NON-ST	ANDARD UNIT HAS BEEN APP	ROVED BY	THE DIVISION
_					17 OPERATOR CERTIFICATION
	, 4 ·	3	2 1		i hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organisation 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 or a compulsory pooling order heretofore entered by the division.
	l	•	LEASE # NM SF-078386-	Α :	Signature Date
	5	6	7 8		Printed Name
					18 SURVEYOR CERTIFICATION
	+	2	PND 33 BLM 1	BC 65	I hereby certify that the well location zhown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
		11	10 9	30' (M)	OCTOBER 1, 2007
			LAT. 36.87924' N (NAD83) LONG. 107.78309' W (NAD83) LAT. 3652.75417' N (NAD27) LONG. 107'48.94835' W (NAD2	2630.80° 2630.10°	Signature and Seal of Professional Surveyor:
		12	13	14'35" W 0'07' W	
		FND 3%" 9C Blm 1986	.000	N O N	
			S 89°15'36" W 2592.33' (8 S 89°22' W 2591.16' (R		DAVID RUSSELL Certificate Number 10201

LATITUDE: 36.87924°N LONGITUDE: 107.78309°W DATUM: NAD 83

SLOPES TO BE CONSTRUCTED TO MATCH THE ORIGINAL CONTOURS AS CLOSE AS POSSIBLE.

BURLINGTON RESOURCES O&G CO LP

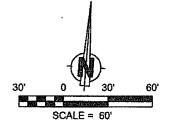
SUNRAY G #2 C 1060' FSL & 1910' FEL

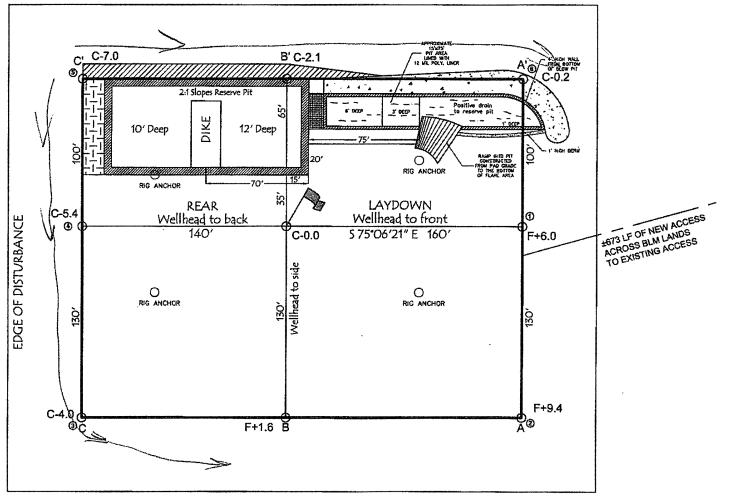
LOCATED IN THE SW/4 SE/4 OF SECTION 21,

T31N, R9W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 6211', NAVD 88

FINISHED PAD ELEVATION: 6211.1', NAVD 88





330' x 400' = 3.03 ACRES OF DISTURBANCE

SCALE: 1" = 60' JOB No.: COPC107 DATE: 10/16/07 NOTE:

RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW — 3' WIDE AND 1' ABOVE SHALLOW SIDE).

RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE—CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR

CABLES ON WELL PAD, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR

TO CONSTRUCTION.



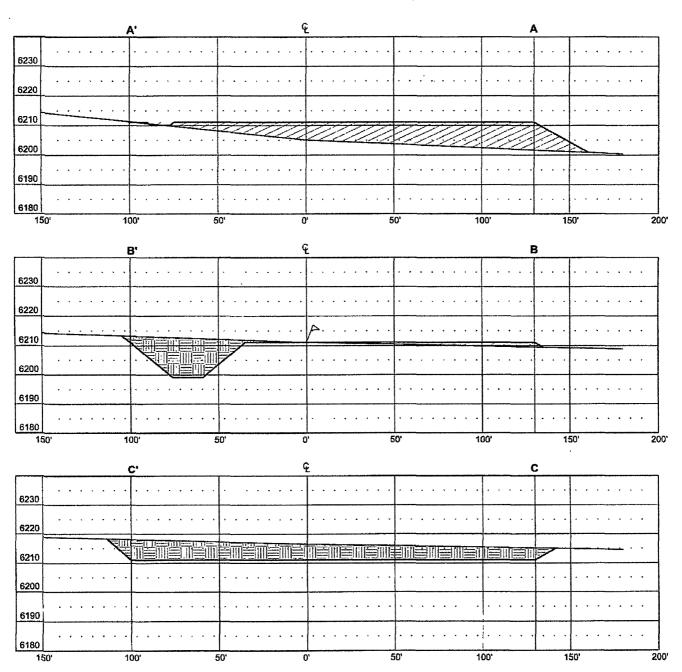
Russell Surveying 1409 W. Aztec Blvd. #2 Aztec, New Mexico 87410 (505) 334-8637 LATITUDE: 36.87924°N LONGITUDE: 107.78309°W DATUM: NAD 83

BURLINGTON RESOURCES O&G CO LP

SUNRAY G #2 C 1060' FSL & 1910' FEL LOCATED IN THE SW/4 SE/4 OF SECTION 21,

T31N, R9W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6211', NAVD 88 FINISHED PAD ELEVATION: 6211.1', NAVD 88



THIS DIAGRAM IS AN ESTIMATE OF DIRT BALANCE AND IS NOT INTENDED TO BE AN EXACT MEASURE OF VOLUME

VERT. SCALE: 1" = 30' HORZ. SCALE: 1" = 50' JOB No.: COPC107 DATE: 10/16/07







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

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.
- 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	5 00
Chlorides	EPA 300.1	1000/500
	<u> </u>	

- 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

40 percent

Percent PLS

20 percent

Percent PLS

20 percent

Percent PLS

50 percent

Percent PLS

50 percent

Percent PLS

50 percent

Percent PLS

50 percent

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.