District I

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

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

Form C-144

District IV 1220 S St Francis Dr., Santa Fe, NM 87505	Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
27(1C Pit, Closed-Loop System, Below-	Grade Tank, or
Proposed Alternative Method Permit or	
Type of action: Permit of a pit, closed-loop system, below-g	vrade tank, or proposed alternative method
Closure of a pit, closed-loop system, below-	
Modification to an existing permit	
$\overline{\overline{\mathbf{X}}}$ Closure plan only submitted for an existing	permitted or non-permitted pit, closed-loop system,
below-grade tank, or proposed alternative m	nethod
Instructions: Please submit one application (Form C-144) per individual pit, close	
Please be advised that approval of this request does not relieve the operator of liability should operator of its responsibility to comply with any other app	
1	PCUD.111 17'09
Operator: Burlington Resources Oil & Gas Company, LP	OGRID#: 14538
Address: PO Box 4289, Farmington, NM 87499	<u>nii cans niu</u>
Facility or well name: SAN JUAN 29-6 UNIT 60M	DIST. 3
API Number: 30-039-30497 OCD Permit	
U/L or Qtr/Qtr: F(SE/NW) Section: 18 Township: 29N Range:	
Center of Proposed Design: Latitude: 36.72696 °N Longitude Surface Owner: Federal State X Private Tribal Trust or	:107.50675 °W NAD:1927\overline{X}_1983 Indian Allotment
Suitace Owner. Tederal Suite A Filvate Tilbui Huse of	Ildian Allounent
X Pit: Subsection F or G of 19.15.17.11 NMAC	•
Temporary: X Drilling Workover	
Permanent Emergency Cavitation P&A	
	E 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'
3 St. A. S.	
Closed-loop System: Subsection H of 19.15.17.11 NMAC  Type of Operation P&A Drilling a new well Workover or Drilling (Approximately produced of intent)	plies 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	E HDPE PVD Other
Liner Seams: Welded Factory Other	
4 Subsection Left 10.15 17.11.NMAC	
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 at	nd automatic overflow shut-off
Visible sidewalls and liner Visible sidewalls only Other	
Liner Type Thickness mil HDPE PVC Other	er

**Alternative Method:** 

Form C-144

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 13 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.	eration 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.	Yes	No					
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	∐NA						
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	No					
(Applied to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	∐NA						
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  - Written confirmation or verification from the municipality, Written approval obtained from the municipality	Yes	No					
Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes	No					
Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes	□No					
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	Yes	No					
Society; Topographic map  Within a 100-year floodplain  - FEMA map	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								
12								
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								
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)								
Disposal Facility Name and Permit Number (for figures, drifting fitteds and drift 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								
Site recommends that the owner when the appropriate requirements of passession of the recommendation of the re								

Form C-144 Oil Conservation Division Page 3 of 5

Wester Democral Classes For Classic Incorporation That Helling About Co.	Seed Trade on the Laff Bire Only (10 15 17 12 D NIMAC)								
Waste Removal Closure For Closed-loop Systems That Utilize Above Gr Instructions Please identify the facility or facilities for the disposal of liquid									
Jacolities are required	Disposal Facility Rossit #								
Disposal Facility Name.									
Disposal Facility Name: Disposal Facility Permit #									
Yes (If yes, please provide the information No		e service and							
Required for impacted areas which will not be used for future service and op  Soil Backfill and Cover Design Specification - based upon the		NMAC							
Re-vegetation Plan - based upon the appropriate requirements of	•								
Site Reclamation Plan - based upon the appropriate requiremen	its of Subsection G of 19 15 17 13 NMAC								
Siting Criteria (Regarding on-site closure methods only: 19 15 17 Instructions Each string criteria requires a demonstration of compliance in the closur certain string criteria may require administrative approval from the appropriate district office for consideration of approval. Justifications and/or demonstrations of equivalent	e plan Recommendations of acceptable source material are provided belo ct office or may be considered an exception which must be submitted to the ncy are required Please refer to 1915 1710 NMAC for guidance	Santa Fe Environmental Bureau							
Ground water is less than 50 feet below the bottom of the buried was  - NM Office of the State Engineer - tWATERS database search, USGS:		Yes X No							
	•								
Ground water is between 50 and 100 feet below the bottom of the bu		Yes X No							
- NM Office of the State Engineer - 1WATERS database search, USGS;	Data obtained from nearby wells	∐N/A							
Ground water is more than 100 feet below the bottom of the buried v		X Yes No							
- NM Office of the State Engineer - iWATERS database search, USGS;	Data obtained from nearby wells	N/A							
Within 300 feet of a continuously flowing watercourse, or 200 feet of any of (measured from the ordinary high-water mark).	Yes X No								
- Topographic map. Visual inspection (certification) of the proposed site									
Within 300 feet from a permanent residence, school, hospital, institution, or a - Visual inspection (certification) of the proposed site. Aerial photo, satel	Yes XNo								
		Yes X No							
Within 500 horizontal feet of a private, domestic fresh water well or spring the purposes, or within 1000 horizontal fee of any other fresh water well or spring - NM Office of the State Engineer - iWATERS database, Visual inspection	ig, in existence at the time of the initial application.								
Within incorporated municipal boundaries or within a defined municipal fresh pursuant to NMSA 1978. Section 3-27-3, as amended.	·	Yes XNo							
<ul> <li>Written confirmation or verification from the municipality, Written app</li> <li>Within 500 feet of a wetland</li> </ul>	oroval collained from the municipality	Yes X No							
- US Fish and Wildlife Wetland Identification map, Topographic map, V	risual inspection (certification) of the proposed site								
Within the area overlying a subsurface mine.		Yes X No							
- Written confiramtion or verification or map from the NM EMNRD-Min	ning and Mineral Division								
Within an unstable area.		Yes X No							
<ul> <li>Engineering measures incorporated into the design, NM Bureau of Geo Topographic map</li> </ul>	logy & Mineral Resources, USGS; NM Geological Society,								
Withm a 100-year floodplain FEMA map	Yes X No								
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instruction	s: Each of the following items must bee attached to the cl	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 requirements of 19.15.17.10 NMAC									
X Proof of Surface Owner Notice - based upon the appropriate r	•••••								
	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 burns									
X Protocols and Procedures - based upon the appropriate require									
Confirmation Sampling Plan (if applicable) - based upon the a		МАС							
X Waste Material Sampling Plan - based upon the appropriate re	equirements of Subsection F of 19.15.17.13 NMAC								
Disposal Facility Name and Permit Number (for liquids, drilli	ng fluids and drill cuttings or in case on-site closure standar	rds cannot be achieved)							
Soil Cover Design - based upon the appropriate requirements									
	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									

Operator Application Certification:
Thereby certify that the information submitted with this application is tree, accurate and complete to the best of my knowledge and belief
Name (Print): Marie E. Jalannillo, Title: Staff Regulatory, Technician
Signature Date.
e-mail address: V marie e.jaramyllo@conocophillips.com Telephone: V , V 505 326-9865
20
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Brench Sell Approval Date: 7-28-09
Approval Date: 720 7
Title: Ewiro /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 Potos
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.
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 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
<del></del>
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
24
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 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)

Sùb Q Q Q Depth Depth Water basin Use County 64 16 4 Sec Tws Rng X Y Well WaterColumn SJ 03392 277798 DOM 20 29N 06W 4065022\* 4 3 210 SJ 03481 DOM 29N 06W 277798 4065022\* 250 Average Depth to Water: null feet

Minimum Depth: null feet

Maximum Depth: null feet

**Record Count: 2** 

**PLSS Search:** 

Section(s): 7, 8, 17, 18, 19, Township: 29N Range: 06W



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

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

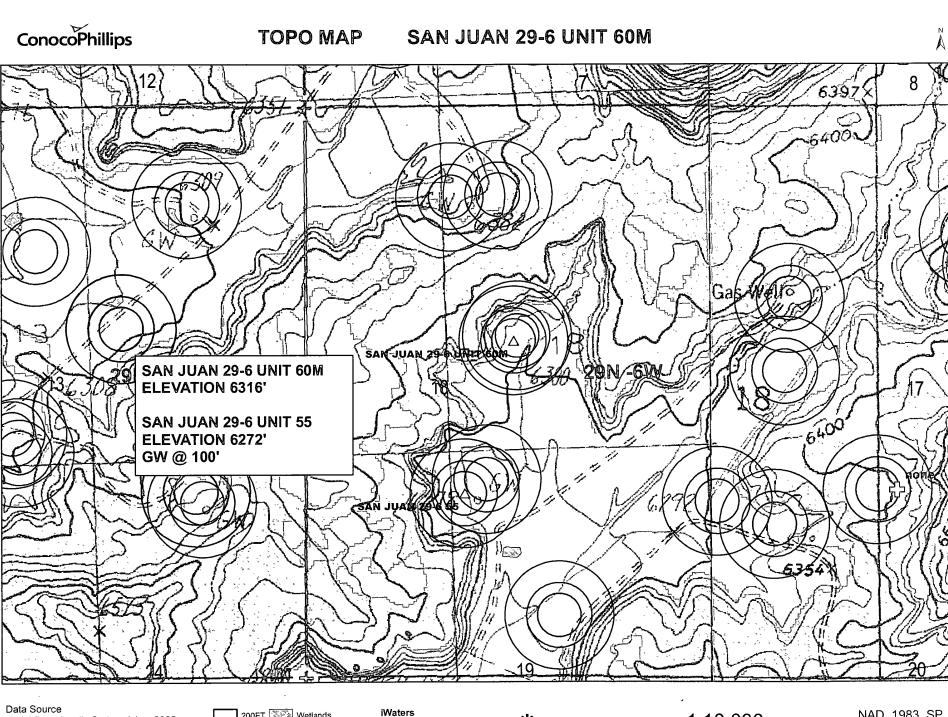
المستعمل المستعملة المستعم	And the second s	(quarters are smallest to largest)		jest)	(NAD83 UTM in meters)		(In feet)						
POD Númber	Sub: basin≑Use C	County	14	Q 16	1 (0)	Sec	Tws	Rng	X		<ul> <li>4 175 175</li> </ul>	epth W VaterCo	1.7 (1)
SJ 00053	IND	RA			3	13	29N	07W	274326	4067036*	536	460	76
SJ 01228	DOM	RA		1	2	23	29N	07W	273312	4066455*	285	205	80
SJ 02891	DOM	RA	2	3	2	24	29N	07W	275007	4066104*	210	160	50
SJ 03390	STK	RA	4	2	1	13	29N	07W	274658	4067927*	320	120	200
SJ 03391	DOM	RA	2	3	2	24	29N	07W	275007	4066104*	210		
SJ 03573	DOM	RA	1	4	2	24	29N	07W	275209	4066091*	900		
SJ 03809 POD1	STK	RA	3	2	2	24	29N	07W	275294	4066294	500	260	240
									Aver	age Depth to	Water:	241 fee	t
										Minimum	Depth:	120 fee	t
							,			Maximum	Depth:	460 fee	t

**Record Count: 7** 

**PLSS Search:** 

Section(s): 11, 12, 13, 14, Township: 29N 23, 24

Range: 07W



Aerial flown locally Sedgewick in 2005.
Wetlands Data Aquired from U.S. Fish
and Wildlife Http://wetlandswms er usgs gov
USGS Topo



iWaters

X SEC

X QTR-QTR

X QTR-QTR-QTR

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1:10,000

0 250 500 1,000 3003

NAD\_1983\_SP\_ NM West\_FIPS\_ 3003

June 23, 2009

El Paso Natural Gas Company

### WELL RECORD

Status	Name and No.			
Status		ما ا		· ·
Producing	San Juer	1 2946	Unit ik	0.55.根
Field		Lease No.	•	, ,
Blanco Mesa Verd	le	Fe	е	* *
Location			Section	on
1650 S, 1550 W,	29 N, 6 V	7		18
Block ,	Survey		Count	ty
K			R	io Arriba
State	Contractor			
Now Mexico				
Elevation	T.D.		P.B.	r.d.
6272 G, 6282 DF	5543	3 :		
Spud	,	Completio		- r,
7-13-57		8	-23-57	S.I.

#### POTENTIAL DATA 2. Mesa Verde Formation 9-12-57 Test Date 10603. AOF MCF/D Choke Vol. MCF/D 7523 Bbl./D GOR-Bbl./M2CF casing Tested Thru 792 SIPT 1113 SIPC 15 days Time SI

#### TUBULAR RECORD

Size	LO 3/4"	7 5/8"	5 1/2"	1 1/4"	
Weight	32.75	26.4	14	2.4	
Grade	11-110	J~55	J-55	J-55	
Depth	225	3382	5543	5451	
Liner To	P				
Date	7-14-57	7-19-57	7-24-57	8-14-57	
Sxs.	200	200	150		
Cem. Top	ourface				

Packer Type

Depth Set

# DATA SHEET FOR DEEP BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (SUBMIT 2 COPIES TO OCD AZTEC OFFICE)

PPCO DESIGNATION: FM-217 REPLACEMENT

OPERATOR: PHILLIPS PETROLEUM COMPANY LOCATION: K 18 29 6 FARMINGTON, N.M. 87401 LEASE NUMBER: 650112

(505) 599-3400

NAME OF WELL/S OR PIPELINE SERVED: (1) SJ 29-6 UNIT #55 MV 30-039-07613

30-039-24729 (2) SJ 29-6 #236

ELEVATION: NA

COMPLETION DATE: 06/26/92

TOTAL DEPTH: 360 FT.

LAND: FEDERAL

CASING INFO.; SIZE: 8

TYPE: PVC

SIZE: 8 IN. TYPE: PVO DEPTH: 20 FT. CEMENT USED: NA

IF CEMENT OR BENTONITE PLUGS HAVE BEEN PLACED, SHOW DEPTHS & AMOUNTS:

PLUG DEPTH: NONE PLUG AMOUNT: NONE

WATER INFORMATION:

WATER DEPTH (FT): (1) 100 (2) NA

WATER INFORMATION: NA

DEPTHS GAS ENCOUNTERED (FT): NA

TYPE AND AMOUNT OF COKE BREEZE USED:

COKE TYPE: METALLURGICAL COKE BREEZE

COKE AMOUNT: 5916 LB3.

DEPTHS ANODES PLACED (FT):

110,125,140,155,170,185,200,215,230,245,270,285,300,325,340

DEPTH VENT PIPE PLACED (FT): 360

VENT PIPE PERFORATIONS (FT): TOP 100 BCTTOM 360

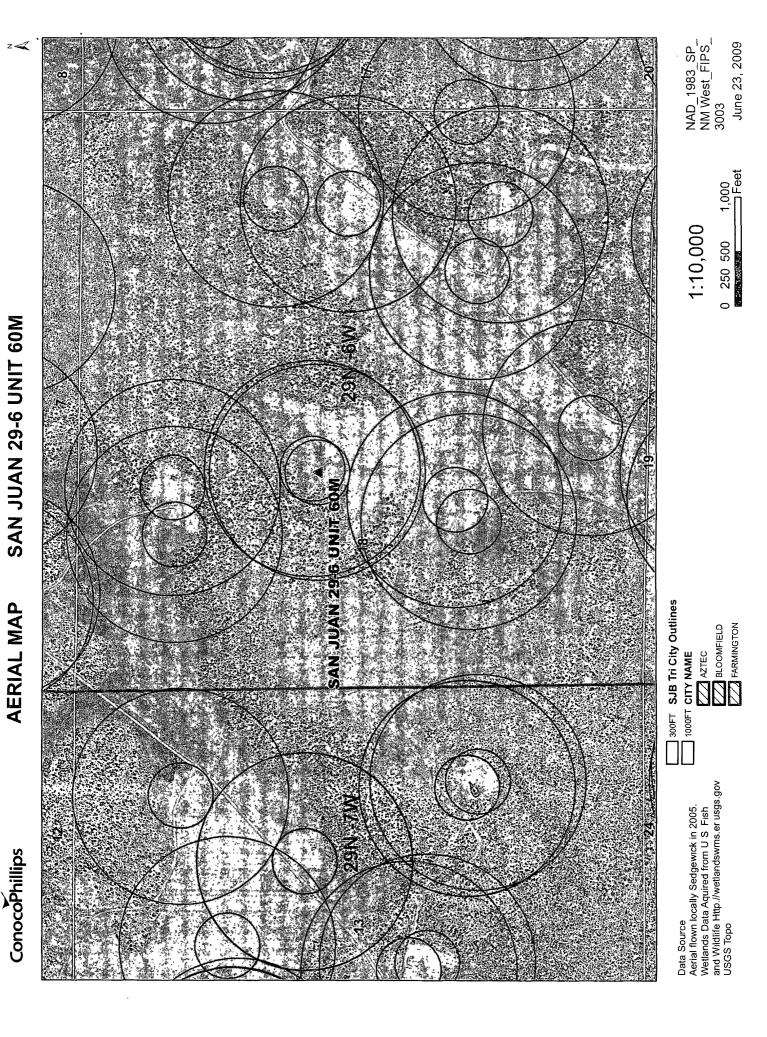
REMARKS:

IF ANY OF THE ABOVE DATA IS UNAVAILABLE, PLEASE INDICATE SO. COPIES OF ALL LOGS, INCLUDING DRILLERS LOG, WATER ANALYSIS & WELL BORE SCHEMATICS SHOULD BE SUBMITTED WHEN AVAILABLE. UNPLUGGED ABANDONED WELLS ARE TO BE INCLUDED.

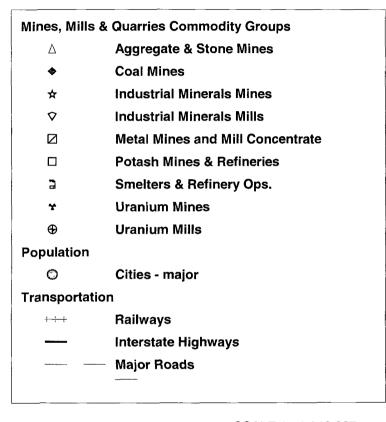
\* - LAND TYPE MAY BE SHOWN: F-FEDERAL; I-INDIAN; S-STATE; P-FEE IF FEDERAL OR INDIAN, ADD LEASE NUMBER.

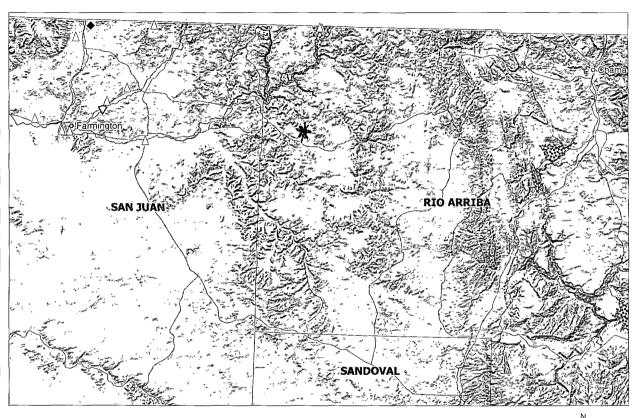
NA-INFORMATION NOT AVAILABLE

CC: CP FILE--FARMINGTON



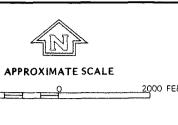
# SAN JUAN 29-6 UNIT 60M MINES MILLS & QUARRIES











**ZONE X** ZONE A ZONE A ROUTE 64 20 24 ZON

HATIONAL FLOOD INSURANCE PROGRAM FIRM FLOOD INSURANCE RATE MAP RIO ARRIBA COUNTY, **NEW MEXICO** UNINCORPORATED AREAS PANEL 375 OF 1325 (SEE MAP INDEX FOR PANELS NOT PRINTED) PANEL LOCATION COMMUNITY-PANEL NUMBER 350049 0375 B EFFECTIVE DATE: JANUARY 5, 1989 Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the utile block. For the latest product information about National Flood insurance Program flood maps check the FEMA Flood Map Store at www msc fema gov

## Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The San Juan 29-6 Unit 60M 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 San Juan 28-6 Unit 55 has an elevation of 6272' and groundwater depth of 100'. The subject well has an elevation of 6316' which is greater than the San Juan 29-6 unit 55, 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 San Juan 29-6 Unit 60M

### 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.



ConocoPhillips Company GRFS / PTRRC – San Juan Business Unit Juanita Farrell 3401 East 30<sup>th</sup> Street Farmington, NM 87402

Telephone: (505) 326-9597 Facsimile: (505) 324-6136

July 11, 2008

# VIA CERTIFIED MAIL – RETURN RECEIPT REQUESTED 7110-6605-9590-0025-9207

Richard Hodgson RR #1, Box 212 Blanco, NM 87412

Subject:

San Juan 29-6 Unit 60M

NW Sec. 18 T29N R6W

Rio Arriba County, New Mexico O

#### Dear Landowner:

Pursuant to Paragraph 1 (b) of Subsection F of 19.15.17.13 NMAC, an operator shall provide the surface owner of the operator's proposal to close a temporary pit on-site in compliance with the on-site closure methods specified in the same Subsection of the NMAC. In compliance of this requirement, please consider this notification of ConocoPhillips' intent to close the temporary pit on the above referenced location.

If you have any questions, please contact Elmo Seabolt @ (505) 326-9554 or the PTRRC Department @ (505) 324-6111.

Sincerely,

Juanita Farrell

Juanita Farrell Staff Associate, PTRRC District I 1625 N. French Dr., Hobbs, NM 88240

District II

320.0 Acres - E/2

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

1301 W. Grand Avenue, Artesia, NM 88210 1000 Rio Brazos Rd., Aztec, NM 87410

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

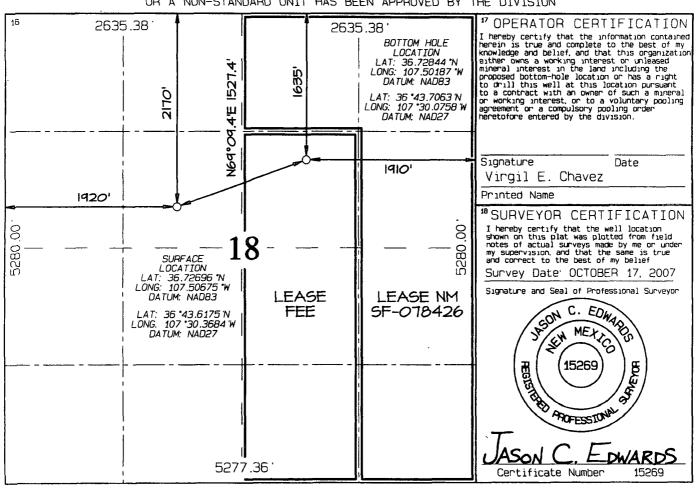
AMENDED REPORT

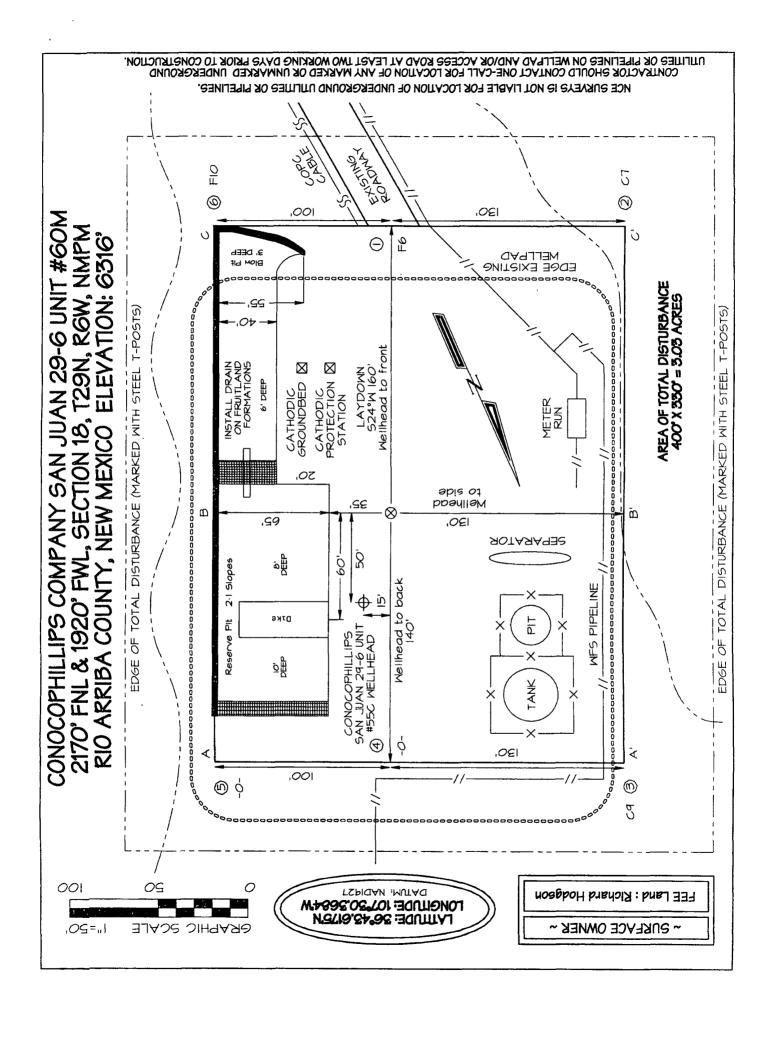
District IV 1220 S St Francis Dr., Santa Fe. NM 87505

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

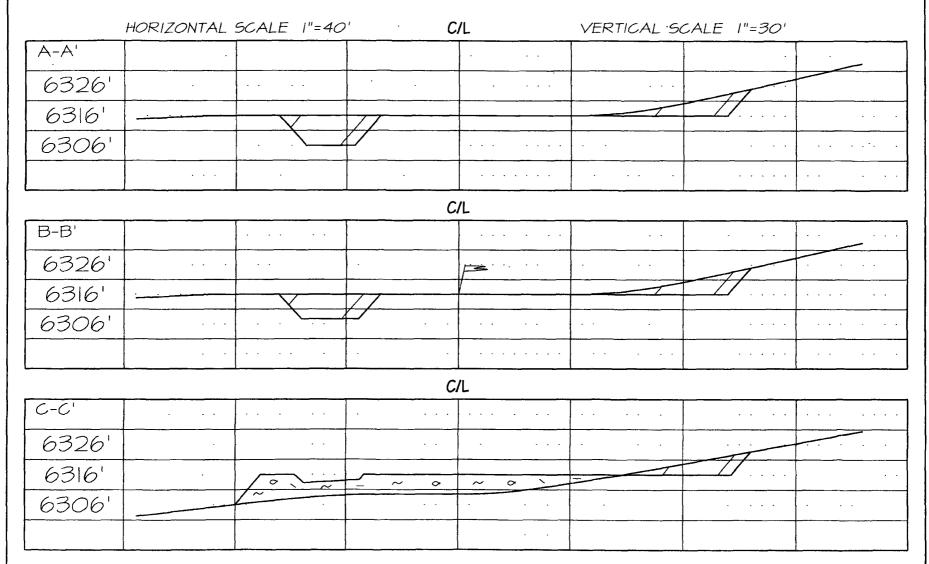
'AP	'I Number		*Pool Code			³Pool Name					
			72319 / 71599 BLANCO MESAVERDE / BASIN							ΤΑ	
Property 3132			*Property Name SAN JUAN 29-6 UNIT								
'OGRID 1 21781				*Operator Name CONOCOPHILLIPS COMPANY		*Operator Name CONOCOPHILLIPS COMPANY					
					<sup>10</sup> Sunface	Location					
UL or lot no	Sect ion	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	t line	County	
F	18	29N	6W		2170	ST	RIO ARRIBA				
<sup>11</sup> Bottom Hole Location If Different From Surface											
UL or lot no	Sect ion	Townshap	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	t line	County RIO	
G	18	29N	6W		1635 NORTH 1910 EAST						
<sup>2</sup> Dedicated Acres					13 Joint or Infill	<sup>14</sup> Consolidation Code	<sup>#5</sup> 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





# CONOCOPHILLIPS COMPANY SAN JUAN 29-6 UNIT #60M 2170' FNL & 1920' FWL, SECTION 18, T29N, R6W, NMPM RIO ARRIBA COUNTY, NEW MEXICO ELEVATION: 6316'



NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

## 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	(1009/500

- 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

Source No. two (better quality)

Purity

80 percent

Germination

63 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.