District I

1625 N French Dr , Hobbs, NM 88240

1301 W Grand Ave , Artesia, NM 88210

District III

1000 Rio Brazos Rd, Aztec, NM 87410

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

State of New Mexico Energy Minerals and Natural Resources

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

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

Form C-144

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

4	1		2

#### Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:	Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
	Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
	Modification to an existing permit
	X Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the

Operator: Burlington Resources Oil & Gas Company, LP  OGRID#: 14538	
Address: PO Box 4289, Farmington, NM 87499	
Facility or well name: New Mexico B Com 100	
API Number: 30-045-34627 OCD Permit Number:	
U/L or Qtr/Qtr: D(NW/NW) Section: 16 Township: 29N Range: 11W County: San Juan	
Center of Proposed Design: Latitude: 36.73074 °N Longitude: 108.00324 °W NAD:	1927 <b>X</b> 1983
Surface Owner: Federal X State Private Tribal Trust or Indian Allotment	
2	3' x D <u>10'</u>
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 notice of intent)   Drying Pad   Above Ground Steel Tanks   Haul-off Bins   Other     Lined   Unlined   Liner type: Thickness   mil   LLDPE   HDPE   PVD   Other     Liner Seams: Welded   Factory   Other	67118192022
Below-grade tank: Subsection I of 19.15.17.11 NMAC  Volume	RECEIVED  OCTI 2009  L CONS. DIV. DIST. 3
5 Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of	î approval.

6							
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, inst	itution or chur	ch)					
Four foot height, four strands of barbed wire evenly spaced between one and four feet		,					
X Alternate. Please specify 4' hogwire fence with a single strand of barbed wire on top.							
7							
Netting: Subsection E of 19 15 17 11 NMAC (Applies to permanent pits and permanent open top tanks)							
Screen Netting Other							
Monthly inspections (If netting or screening is not physically feasible)							
8							
Signs: Subsection C of 19.15.17.11 NMAC							
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:    Notifications and/or demonstrations of agriculance are required. Place a refer to 10.15.17 NMAC for guidance.	•						
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.							
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 - 1WATERS 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)	□NA						
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	_						
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	No					
(Applied to permanent pits)	NA						
- 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.	Yes	□No					
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division							
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society, Topographic map	Yes	∐No					
Society; Topographic map  Within a 100-year floodplain  FEMA map	Yes	No					

Form C-144 Oil Conservation Division Page 2 of 5

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Temporary Pits, Emergency Pits and Below-grade Ta Instructions: Each of the following items must be attached to the		Attachment Checklist: Subsection B of 19.15 17 9 NMAC tte, by a check mark in the box, that the documents are attached
		Paragraph (4) of Subsection B of 19.15 17.9 NMAC
		rements of Paragraph (2) of Subsection B of 19.15 17 9
Siting Criteria Compliance Demonstrations - based	I upon the appropriate requ	irements of 19.15.17.10 NMAC
Design Plan - based upon the appropriate requirem		
Operating and Maintenance Plan - based upon the	·· ·	
19.15 17.9 NMAC and 19.15.17.13 NMAC		on the appropriate requirements of Subsection C of
Previously Approved Design (attach copy of design)	API	or Permit
Geologic and Hydrogeologic Data (only for on-site Siting Criteria Compliance Demonstrations (only for Design Plan - based upon the appropriate requirem Operating and Maintenance Plan - based upon the a Closure Plan (Please complete Boxes 14 through 19 NMAC and 19.15.17.13 NMAC Previously Approved Design (attach copy of design)	ne application. Please indicate closure) - based upon the cor on-site closure) - based ents of 19.15.17.11 NMAG appropriate requirements of 8, if applicable) - based up	te, by a check mark in the box, that the documents are attached. requirements of Paragraph (3) of Subsection B of 19.15.17.9 upon the appropriate requirements of 19.15.17.10 NMAC
Previously Approved Operating and Maintenance Plan	API	
Hydrogeologic Report - based upon the requirement Siting Criteria Compliance Demonstrations - based Climatological Factors Assessment Certified Engineering Design Plans - based upon the Dike Protection and Structural Integrity Design: batheat Detection Design - based upon the appropriat Liner Specifications and Compatibility Assessment Quality Control/Quality Assurance Construction and Operating and Maintenance Plan - based upon the affreeboard and Overtopping Prevention Plan - based Nuisance or Hazardous Odors, including H2S, Present Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirem	nts of Paragraph (I) of Substants of Paragraph (I) of Substants of I upon the appropriate requirement sed upon the appropriate reference requirements of 19.15.17 to based upon the appropriate Installation Plan appropriate requirements of upon the	irements of 19.15 17.10 NMAC s of 19.15.17.11 NMAC equirements of 19.15.17.11 NMAC 7.11 NMAC ate requirements of 19 15.17.11 NMAC of 19.15 17 12 NMAC uirements of 19.15.17.11 NMAC
Alternative Proposed Closure Method.  Waste Excavation and Rer  Waste Removal (Closed-lo  X On-site Closure Method (o  X In-place Buria	vitation P&A Pernoval sop systems only) only for temporary pits and only only for temporary pits and only	ermanent Pit Below-grade Tank Closed-loop System
Waste Excavation and Removal Closure Plan Checklis  Please indicate, by a check mark in the box, that the documer  Protocols and Procedures - based upon the appropr  Confirmation Sampling Plan (if applicable) - based  Disposal Facility Name and Permit Number (for lice	nts are attached. iate requirements of 19 15 I upon the appropriate requ	arements of Subsection F of 19.15.17.13 NMAC
		equirements of Subsection H of 19.15.17.13 NMAC
Re-vegetation Plan - based upon the appropriate red	-	
Site Reclamation Plan - based upon the appropriate	requirements of Subsection	OR CLOT 19.15.17.13 NIMAC:

16					
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel T Instructions Please identify the faculty or facilities for the disposal of liquids, drilling flu		cilities			
are required	, , , , , , , , , , , , , , , , , , ,				
Disposal Facility Name.	Disposal Facility Permit #.				
Disposal Facility Name	Disposal Facility Permit #				
Will any of the proposed closed-loop system operations and associated activities of Yes (If yes, please provide the information No	occur on or in areas that will not be used for future ser	rvice and operations?			
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	-	:			
Ste Reclamation Plan - based upon the appropriate requirements of Subse	ction G of 19.15.17.13 NMAC				
17  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 Reccertain siting criteria may require administrative approval from the appropriate district office or for consideration of approval. Justifications and/or demonstrations of equivalency are required	may be considered an exception which must be submitted to the S	Santa Fe Environmental Bureau office			
Ground water is less than 50 feet below the bottom of the buried waste.		Yes X No			
- NM Office of the State Engineer - tWATERS database search; USGS: Data obtain	ed from nearby wells	∐N/A —			
Ground water is between 50 and 100 feet below the bottom of the burned waste		Yes X No			
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtaine	d from nearby wells	□N/A			
Ground water is more than 100 feet below the bottom of the buried waste.		X Yes No			
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained	d from nearby wells	N/A			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant (measured from the ordinary high-water mark).	it watercourse or lakebed, sinkhole, or playa lake	Yes X No			
- Topographic map; Visual inspection (certification) of the proposed site					
Within 300 feet from a permanent residence, school, hospital, institution, or church in exi Visual inspection (certification) of the proposed site; Aerial photo; satellite image	stence at the time of initial application.	Yes X No			
Yes XNo					
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existen - NM Office of the State Engineer - iWATERS database; Visual inspection (certificat	ce at the time of the initial application.				
Within incorporated municipal boundaries or within a defined municipal fresh water well pursuant to NMSA 1978, Section 3-27-3, as amended	·	Yes X No			
<ul> <li>Written confirmation or verification from the municipality, Written approval obtain</li> <li>Within 500 feet of a wetland</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspec</li> </ul>		Yes X No			
Within the area overlying a subsurface mine.	non (certification) of the proposed site	Yes X No			
- Written confirmation or verification or map from the NM EMNRD-Mining and Min	neral Division				
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mine	eral 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 of	the following items must bee attached to the closure	e plan. Please indicate,			
by a check mark in the box, that the documents are attached.	aguirements of 10 15 17 10 NIMAC				
<ul> <li>X Siting Criteria Compliance Demonstrations - based upon the appropriate r</li> <li>T Proof of Surface Owner Notice - based upon the appropriate requirements</li> </ul>	-				
Construction/Design Plan of Burial Trench (if applicable) based upon the					
Construction/Design Plan of Temporary Pit (for in place burial of a drying	••••	) 15 17 11 NMAC			
X Protocols and Procedures - based upon the appropriate requirements of 19		ALL THE THINK			
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 12					
X Waste Material Sampling Plan - based upon the appropriate requirements					
X Disposal Facility Name and Permit Number (for liquids, drilling fluids and		nnot be achieved)			
X Soil Cover Design - based upon the appropriate requirements of Subsection	-	and so dome rody			
X Re-vegetation Plan - based upon the appropriate requirements of Subsection					
X   Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC					

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Operator Application I hereby certify that the in	Certification: formation submitted with this application is true	e. accurate and complete to the	ne best of my knowledge and belief.
Name (Print).	Crystal Tafoya	Title:	Regulatory Technician
Signature:	Intel Talena	Date	10/11/2009
e-mail address:	crystal tafoya@conocophillips.com	Telephone:	505-326-9837
c-man address.	oryetar tarry a c correccontinger conti	Telephone.	303 320 7031
20 OCD Amproval: \[\overline{\sqrt{1}}\]	Permit Application (including closure plan)	Closure Plan (only	/) OCD Conditions (see attachment)
		2.7	
OCD Representative S	VOUL CHANGE		Approval Date: 15/20/09
Γitle:	Endiro/spec	OCD Per	rmit Number:
Instructions: Operators at report is required to be su		prior to implementing any clo inpletion of the closure activit	AC Drure activities and submitting the closure report. The closure ties. Please do not complete this section of the form until an
		Closu	re Completion Date:
22			
Closure Method:  Waste Excavation	and Removal On-site Closure Meth	nod Alternative Closu	re Method Waste Removal (Closed-loop systems only)
	pproved plan, please explain.		Transic Removal (Closed-100p systems omy)
	pproved pain, predio explain.		
	ng Waste Removal Closure For Closed-loop S		Ground Steel Tanks or Haul-off Bins Only: ttings were disposed. Use attachment if more than two facilities
vere utilized.	gy me facility of facilities you where the aquia	s, arming jeacas and arm ca	ings were disposed. Ose dillerment if more than two facilities
Disposal Facility Name		Disposal Facili	ty Permit Number:
Disposal Facility Name			tty Permit Number:
	ystem operations and associated activities perform demonstrate complilane to the items below)	ormed on or in areas that will  No	not be used for future service and opeartions?
	areas which will not be used for future service	L1	
	(Photo Documentation)	ина орегиноня.	
Soil Backfilling ar	nd Cover Installation		
Re-vegetation App	olication Rates and Seeding Technique		
24			
Closure Report Att		he following items must be a	ttached to the closure report. Please indicate, by a check mark in
	Notice (surface owner and division)		
	otice (required for on-site closure)		
Plot Plan (for on	-site closures and temporary pits)		
Confirmation Sa	mpling Analytical Results (if applicable)		
=	Sampling Analytical Results (if applicable)		
	Name and Permit Number		
	and Cover Installation		
= -	oplication Rates and Seeding Technique		
=	(Photo Documentation)		
On-site Closure		Longitude:	NAD 1927 1983
25			
Operator Closure Cer	tification:		
	formation and attachments submitted with this all applicable closure requirements and conditi	· · · · · · · · · · · · · · · · · · ·	te and complete to the best of my knowledge and belief. I also certify that I closure plan.
Name (Print):		Title:	
Signature:		Date:	

Form C-144 Oil Conservation Division Page 5 of 5



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

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

**************************************	TO THE THIRT I SERVICE IN A	、 (quarte	rs a	re s	ma	llest	to larg	est)	(NAD83 UTM	1 in meters)		(In feet)	P. UE ATTEN
	Sub	3. 75. 90.00	179.7%		Q	- 75 of 525					Depth D		
	∌b <u>asin</u> Use C												
SJ 00151	DOM	SJ		3			29N		233396	4067109*	45	18	27
SJ 00320	DOM	SJ	1	3	1	22		11W	233196	4067309*	38	10	28
SJ 00452	DOM	SJ				21		11W	232270	4067057*	42	10	32
SJ 00484	DOM	SJ	1	3	1	22		11W	233196	4067309*	37	10	27
SJ 00487	DOM	SJ		4	4	17	29N	11W	231313	4068078*	60	6	54
SJ 00583	DOM	SJ	2	3	3	20	29N	11W	230158	4066609*	150	30	120
SJ 00696	DOM	SJ		3	4	22	29N	11W	234085	4066368*	34	12	22
SJ 00701	DOM	SJ	1	2	2	21	29N	11W	232807	4067720*	73		
SJ 00704	DOM	SJ		2	1	22	29N	11W	233714	4067596*	55	20	35
SJ 00796	DOM	SJ		2	1	22	29N	11W	233714	4067596*	50	8	42
SJ 01090	DOM	SJ		4	2	21	29N	11W	232896	4067221*	31	12	19
SJ 01214	DOM	SJ		3	1	22	29N	11W	233297	4067210*	49	12	37
SJ 01355	IRR	SJ		4	4	20	29N	11W	231265	4066468*	36	3	33
SJ 01557	DOM	SJ		2	1	22	29N	11W	233714	4067596*	70	11	59
SJ 01703	DOM	SJ		2	1	22	29N	11W	233714	4067596*	68	3	65
SJ 01851	DOM	SJ		4	4	10	29N	11W	234586	4069572*	125	48	77
SJ 01888	DOM	SJ	2	2	4	21	29N	11W	232982	4066921*	47	8	39
SJ 01969	DOM	SJ			2	21	29N	11W	232695	4067434*	65	55	10
SJ 01974	DOM	SJ	3	3	4	22	29N	11W	233984	4066267*	47	11	36
SJ 02020	DOM	SJ		3	3	22	29N	11W	233273	4066412*	27	6	21
SJ 02138	DOM	SJ		2	4	22	29N	11W	234497	4066770*	40	7	33
SJ 02141	DOM	SJ	4	3	4	16	29N	11W	232618	4067931*	110	40	70
SJ 02200	DOM	SJ				22	29N	11W	233876	4067015*	60	22	38
SJ 02378	DOM	ŞJ	2	3	4	15	29N	11W	234229	4068080*	75	12	63
SJ 02529	DOM	SJ	3	2	4	22	29N	11W	234396	4066669*	30	9	21
SJ 02578	DOM	SJ	3	3	2	22	29N	11W	234007	4067082*	58	24	34
SJ 02721	DOM	SJ		4	1	22	29N	11W	233702	4067197*		59	
SJ 02813	DOM	SJ	3	2	1	22	29N	11W	233613	4067495*	59	16	43
SJ 02863	DOM	SJ				21		11W		4067320*	52	20	32

\*UTM location was derived from PLSS - see Help

Reconnect a considerance description of the safe later label does not a discount the data for an extenditure of 1 111 in	telusid <del>an anda des</del>	(quarter	derive total in	Owner of		reperje, a re	to larg	est)	(NAD83 UTM	in meters)	- Control of the second	(In feet)	, ergy general party
Sub POD Number basin	lise C	- may	Q 64	100		200	Twe	Rna	i i		Depth De Well W		
SJ 02868	DOM	SJ	4	4	4	17		11W	231412	4067977*	50	<u>utoroo</u> ,	2 Lines
SJ 02869	DOM	SJ	1	2	2	20		11W	231199	4067773*	50		
SJ 02926	DOM	SJ	3	4	2	17	29N	11W	231238	4068779*	375	80	295
SJ 03049	DOM	SJ	4	2	4	22	29N	11W	234596	4066669*	33	10	23
SJ 03093	DOM	SJ	4	3	2	22		11W	234207	4067082*	42	22	20
SJ 03188	DOM	SJ		2	3	22		11W	233790	4066892*	45	11	34
SJ 03189	DOM	SJ	1		3	22	29N	11W	233590	4066892*	45	20	25
SJ 03350	DOM	SJ	3	2	2	21		11W	232807	4067520*	50		
SJ 03399	DOM	SJ		2	4	17	29N	11W	231326	4068479*	100		
SJ 03479	DOM	SJ	3	2	4	22	29N	11W	234396	4066669*	43	4	39
SJ 03503	DOM	SJ	3	3	2	22	29N	11W	234007	4067082*	72	18	54
SJ 03532	DOM	SJ	3	3	1	22	29N	11W	233196	4067109*	49	14	35
SJ 03579	DOM	SJ	1	4	4	15	29N	11W	234431	4068068*	83	30	53
SJ 03659	DOM	SJ	2	2	3	21	29N	11W	232178	4066943*	45	10	35
SJ 03733 POD1	DOM	SJ	1	2	4	15	29N	11W	234444	4068469*	64	20	44
SJ 03747 POD1	DOM	SJ	3	2	1	22	29N	11W	233613	4067495*	47	27	20
SJ 03826 POD1	DOM	SJ	3	4	2	16	29N	11W	232782	4068642	175		
SJ 03837 POD1	DOM	SJ	2	4	2	21	29N	11W	232976	4067363	51	19	32
SJ 03869 POD1	EXP	SJ	4	1	4	21	29N	11W	232479	4066905	18	8	10
SJ 03869 POD2	EXP	SJ	4	1	4	21	29N	11W	232446	4066882	19	8	11
SJ 03869 POD3	EXP	SJ	4	1	4	21	29N	11W	232472	4066865	19	8	11
									Avera	ge Depth t		18 fee	
											n Depth:	3 fee	
										Maximun	n Depth:	80 fee	t

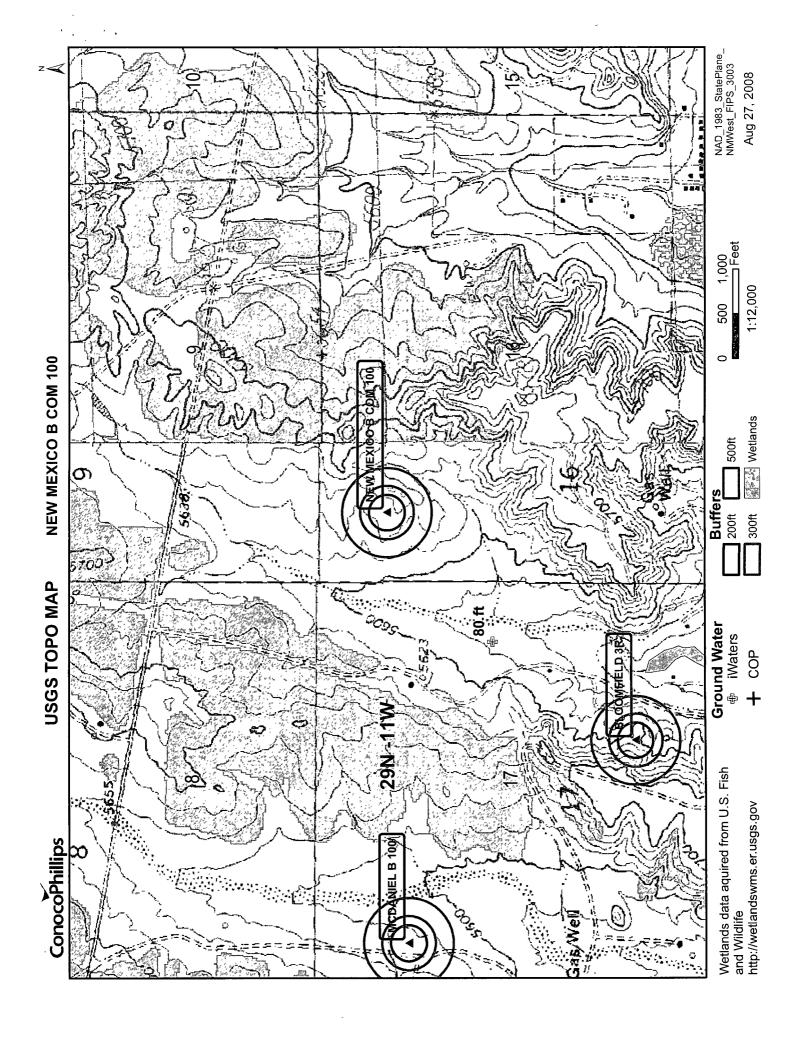
**Record Count: 50** 

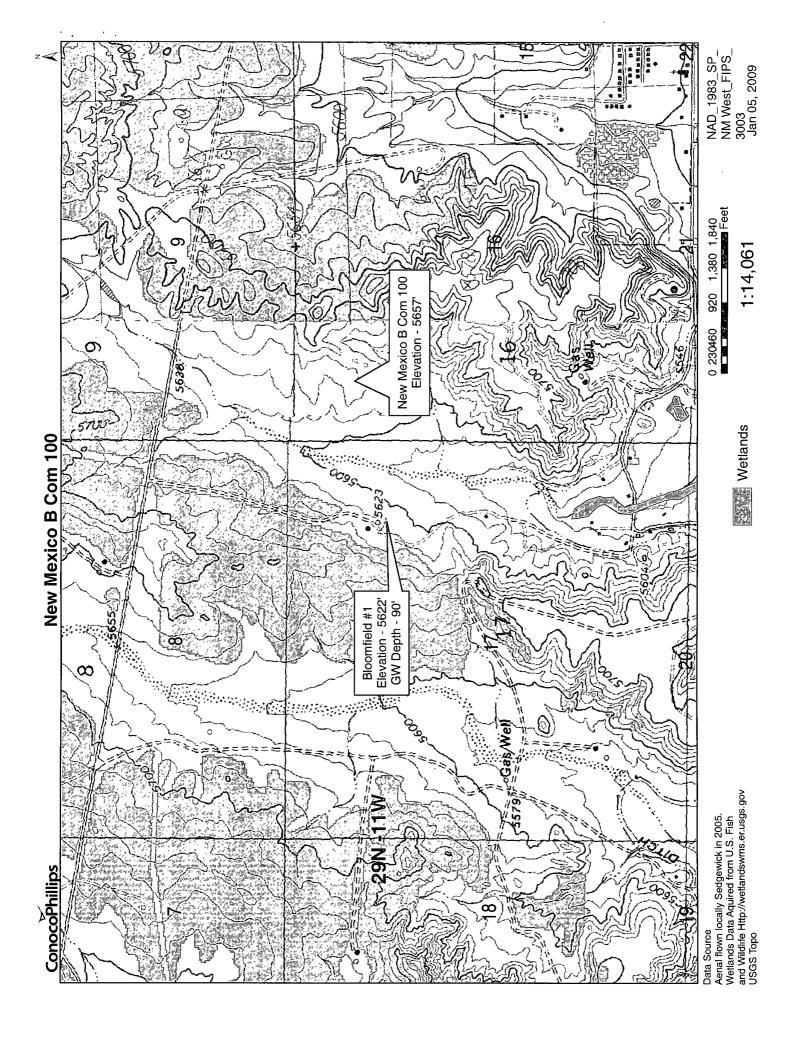
#### PLSS Search:

**Section(s):** 8, 9, 10, 15, 16, **Township:** 29N **Range:** 11W 17, 20, 21, 22

#### \*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the data.





#2 30-045-25864

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

Operator MERIDIAN OIL Location: UnitNE Sec.17 Twp 29 Rng 11
Name of Well/Wells or Pipeline Serviced
cps 752w
Elevation 5622' Completion Date 4/7/66 Total Depth 298' Land Type* N/A
Casing, Sizes, Types & Depths N/A
If Casing is cemented, show amounts & types used N/A
If Cement or Bentonite Plugs have been placed, show depths & amounts used  N/A
Depths & thickness of water zones with description of water when possible:  Fresh, Clear, Salty, Sulphur, Etc. 90'  MAY 31 1991
Depths gas encountered: N/A OIL CON.
Type & amount of coke breeze used: 3375 lbs. DIST.?
Depths anodes placed: 280', 263', 256', 249', 242', 235', 229', 223', 216', 210', 201'
Depths vent pipes placed: N/A
Vent pipe perforations: N/A
Remarks: qb #1

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.

<sup>\*</sup>Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.

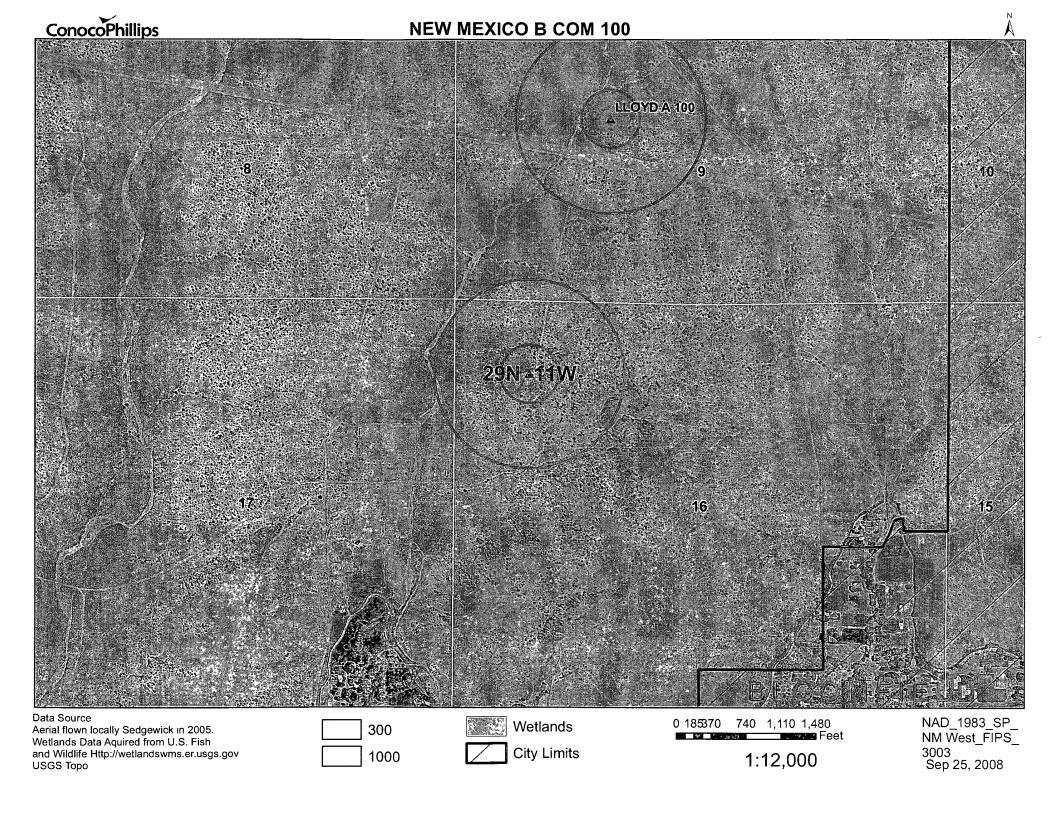
#### Santa Fe, New Mexico

#### REQUEST FOR (OIL) - (GAS) ALLOWABLE

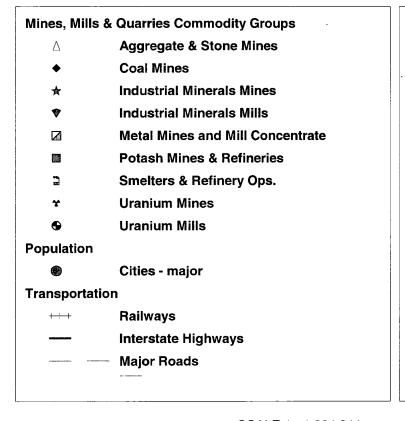
New Well

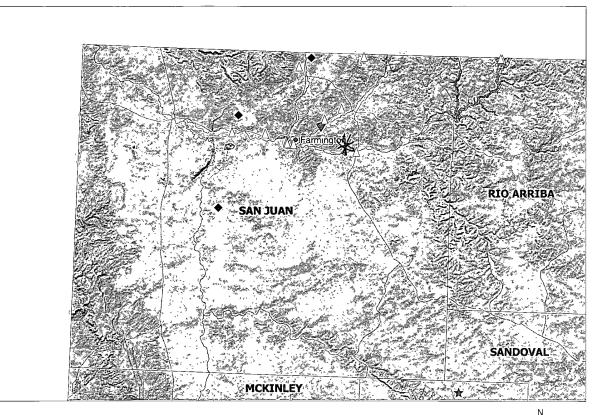
This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7.00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

				(Place)	········October···ຂອງ1900 (Date)
VE ARE HI	EREBY RE	QUESTI	NG AN ALLOWABLE	FOR A WELL KNOWN AS:	
El Paso	Natural	Ges Com	pany Bloom is	11d, Well No1, in	NE 1/4 NE 1/4
(Com	pany or Ope	rator) 77	T 20-N n 13	ee) Law anana Wildoot Dobot	*n
				L-W, NMPM., Wildcat Debot	
San Jua	<b>a</b>		County. Date Spudde	d 8-22-60 Date Drilling	Completed 9-5-60
Please	indicate lo	cation:	_	Total Depth 6558	
DO	T B	T A	Top Oil/Gas Pay 5245	Name of Prod. Form.	Pakota
			PRODUCING INTERVAL -		
E F		H		58;6266-6 <b>278</b> ;6336-6347;6 <b>35</b> 4-	D
	G.	"	Open Hole None	Casing Shoe 6556	Depth Tubing 6461
			OIL WELL TEST -		
LK		I	Natural Prod. Test:	bbls.oil, bbls water i	Choke n hrs, min Size
	1	1 1		cture Treatment (after recovery of volu	
M N	0	P	load oil used):	bbls.oil, bbls water in	Choke. hrs, min. Size
		1 1	GAS WELL TEST -		
11ko W	990 E	لاستسل		MCF/Day; Hours flowed	Chaka Sira
-	ng and Ceme		_	ot, bac/ pressure, etc.):	•
Sire	Feet	Sax	•	cture Treatment: 8211 MC	
			i		
0 3/4"	281	330	Choke Size 3/4 Me	thod of Testing: Calculated A.(	Z. R
5 1/2"	6549	418	Acid or Fracture Treats	ment (Give amounts of materials used, s	uch as acid, water, oil, and
<del>/ -/ -</del>	-37.7		sand): 73,200 gall	ons water & 58,000 # sand.	
			Press. 2014 Press	g Date first new . <b>2013</b> oil run to tanks	
- 44			┥	Paso Natural Gas Products Co	
2"	<b>5</b> 451				
.emarks:	***************************************				100
			**,************************************	Paso Natural Ges Company	10,001
· · · · · · · · · · · · · · · · · · ·			•••••		
I hereby	y certify the	at the info	rmation given above is	true and complete to the best of my kr	iowledge.
pproved!	OCT 2 8 196	0	, 19		Operator)
OII	L CONSER	VATION	COMMISSION	By: (Signat	
0	at Otalia	4 F	C A-mof7		
,. Origin	ial Signe	u cmer	y C. Arnold	Title Petroleum. Engineer Send Communication	regarding well to:
itle .Super	visor Dist	# 3			
	···· are (Bellette)			Name. E. S. Oberly	******
				Address Box 990, Farming	ton, New Marico



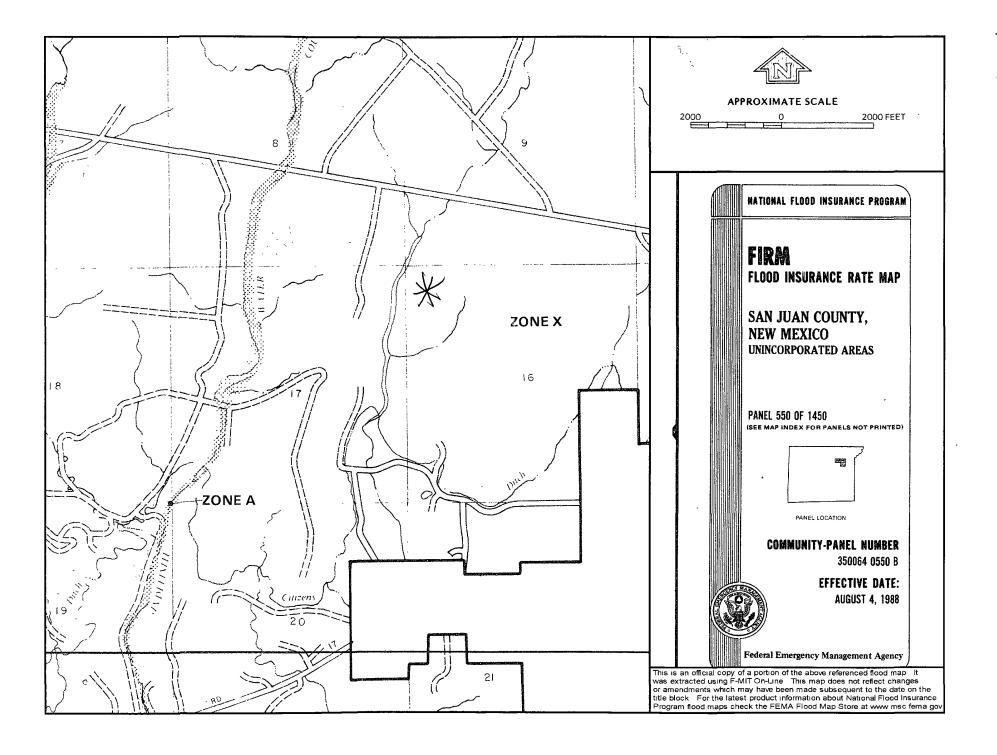
### NEW MEXICO B COM 100 MINES, MILLS & QUARRIES WEB MAP











#### Hydrogeological Report for New Mexico B Com 100

#### **Regional Geological context:**

The Nacimiento Formation is of Paleocene age (Baltz, 1967, p. 35). It crops out in a broad band inside the southern and western margins of the central basin and in a narrow band along the west face of the Nacimiento Uplift. The Nacimiento is a nonresistant unit and typically erodes to low, rounded hills or forms badland topography.

The Nacimiento Formation occurs in approximately only the southern two-thirds of the San Juan Basin where it commformably overlies and intertongues with the Ojo Alamo Sandstone (Fassett, 1974, p. 229). The Nacimiento Formation grades laterally into the main part of the Animas Formation (Fassett and Hinds, 1971, p. 34); thus, in this area, the two formations occupy the same stratigraphic interval.

Strata of the Nacimiento Formation were deposited in lakebeds in the central basin area with lesser deposition in stream channels (Brimhall, 1973, p. 201). In general, the Nacimiento consists of drab, interbedded black and gray shale with discontinuous, white, medium- to very coarse grained arkosic sandstone (Stone e al., 1983, p.30). Stone et al. indicated that the formation may contain more sandstone than commonly reported because some investigators assume the slope-forming strata in the unit area shales, whereas in many places the strata actually are poorly consolidated sandstones. Total thickness of the Nacimiento Formation ranges from about 500 to 1,300 feet. The unit generally thickens from the basin margins toward the basin center (Steven et al., 1974). The sandstone deposits within the Nacimiento Formation are much thinner than the total thickness of the formation because their environment of deposition was localized stream channels (Brimhall, 1973, p. 201). The thickness of the combined San Jose, Animas, and Nacimiento Formations ranges from 500 to more than 3.500 feet.

#### **Hydraulic Properties:**

Reported well yields for 53 wells completed in either the Animas or Nacimiento Formations range from 2 to 90 gallons per minute and the median yield is 7.5 gallons per minute. The primary use of water from Nacimiento and Animas Formations is domestic and livestock supplies. There are no known aquifer tests for the Animas or Nacimiento Formations, but specific capacities reported for six wells range from 0.24 to 2.30 gallons per minute per foot of drawdown (Levings et al., 1990).

The Animas and Nacimiento Formations are in many ways hydrologically similar to the San Jose Formation because sands in both units produce approximately the same quantities of water. However, the greater percentage of fine materials in the Animas and Nacimiento Formations may restrict downward vertical leakage to the Ojo Alamo Sandstone or Kirtland Shale. The poorly cemented fine material is highly erodible, forms a badland terrain, and supports only spotty vegetation. These conditions are more conductive to runoff than retention of precipitation.

#### **References:**

Baltz, E.H., 1967, Stratigraphy and regional tectonic implications of part of Upper Cretaceous rocks, east-central San Juan Basin, New Mexico: USGS Professional Paper

552, 101 p.

Brimhall, R.M., 1973, Ground-water hydrology of Tertiary rocks of the San Juan Basin, New Mexico, in Fassett, J.E., ed., Cretaceous and Tertiary rocks of the Southern Colorado Plateau: Four Corners Geological Society Memoir, p. 197-207.

Fassett, J.E., 1974, Cretaceous and Tertiary rocks of the eastern San Juan Basin, New Mexico and Colorado, in Guidebook of Ghost Ranch, central-northern New Mexico: New Mexico Geological Society, 25th Field Conference, p. 225-230.

Fassett, J.E., and Hinds, J.S., 1971, Geology and fuel resources of the Fruitland Formation and Kirtland Shale of the San Juan Basin, New Mexico and Colorado: USGS Professional Paper 676, 76 p.

Levings, G.W., Craigg, S.d., Dam, W.L., Kernodle, J.M., and Thorn, C.R., 1990, Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan structural basin, New Mexico, Colorado, Arizona, and Utah: USGS Hydrologic Investigations Atlas HA-720-A, 2 sheets.

Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizell, N.H., and Padgett, E.T., 1983, Hydrogeology and water resources of San Juan Basin, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Hydrologic Report 6.

#### Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The New Mexico B Com 100 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 Bloomfield 1 has an elevation of 5622' and groundwater depth of 90'. The subject well has an elevation of 5657' which is 35' greater than the Bloomfield 1, 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 Nacimiento formation will create a stable area for this new location.

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 86240 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

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

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410

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

☐ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

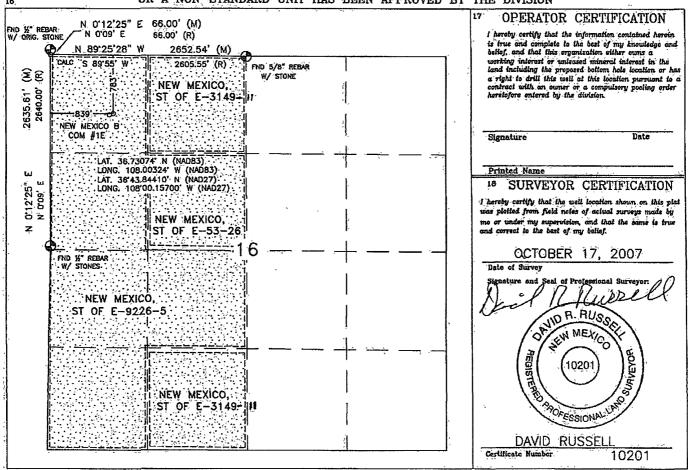
<sup>1</sup> API Number	*Paol Code BASIN FRUITLAND (	Pool Name COAL/BLANCO PICTURED CLIFF
<sup>4</sup> Property Code	<sup>a</sup> Property Name	6 Well Number
,	NEW MEXICO B COM	100
OGRID No.	Operator Name	<sup>0</sup> Elevation
	BURLINGTON RESOURCES OIL AND GAS COL	MPANY LP 5657

<sup>10</sup> Surface Location

	D D	Section 16	29N	11W	Lot idn	783	North/South line	Feet from the 839	East/West line WEST	County SAN JUAN	ľ
	Bottom Hole Location If Different From Surface										
,	UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	

BASIN FRUIT 320.00 Acres — (W/2)
BLANCO PC 160.0 Acres — (NW/4).

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



#### 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	500
Chlorides	EPA 300.1	(1000)/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.