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		Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
	Pit, Closed-Loop System, Below-Gra	
Propose	ed Alternative Method Permit or Clos	ure Plan Application
Type of action:	X Permit of a pit, closed-loop system, below-grade	e tank, or proposed alternative method
	Closure of a pit, closed-loop system, below-grad	de tank, or proposed alternative method
BGT 1	Modification to an existing permit	
	Closure plan only submitted for an existing perm	mitted or non-permitted pit, closed-loop system,
Instructions: Please submit one a	below-grade tank, or proposed alternative metho	
Please be advised that approval of	this request does not relieve the operator of liability should operation	loop system, below-grade tank or alternative request as result in pollution of surface water, ground water or the
1	eve the operator of its responsibility to comply with any other applicate	ble governmental authority's rules, regulations or ordinances.
Operator: Burlington Resources Oil	& Gas Company, LP	OGRID#: <u>14538</u>
Address: PO Box 4289, Farmington	a, NM 87499	*
Facility or well name: HUERFANIT	O UNIT 87A	
API Number: 30	004523444 OCD Permit Numb	ber:
U/L or Qtr/Qtr: F Section		9W County: San Juan
Center of Proposed Design: Latitude	36.51955°N Longitude:	-107.7432°W NAD: X 1927 1983
Surface Owner: X Federal	State Private Tribal Trust or Indi	an Allotment
Pit: Subsection F or G of 19.15.17.	11 NMAC	
Temporary: Drilling Work		
	vitation P&A	
	er type: Thickness mil LLDPE	HDPE PVC Other
String-Reinforced		ABILE TVO Guidi
Liner Seams: Welded Fac	tory Other Volume:	bbl Dimensions Lx Wx D
3	the state of the s	
	on H of 19.15.17.11 NMAC	
Type of Operation.	Drilling a new well Workover or Drilling (Applies to notice of intent)	o activities which require prior approval of a permit or
Drying Pad Above Ground	d Steel Tanks Haul-off Bins Other	
Lined Unlined Liner	type: Thickness mil LLDPE	HDPE PVD Other
Liner Seams: Welded Fact	tory Other	
4		
X Below-grade tank: Subsection I of	f 19.15.17.11 NMAC	
Volume: 120 bbl	Type of fluid: Produced Water	
Tank Construction material:	Metal	
Secondary containment with leak dete		comatic overflow shut-off
Visible sidewalls and liner	Visible sidewalls only Other	
Liner Type: Thickness	milHDPEPVC _X Other _I	Unspecified
Alternative Method:		

Form C-144

Oil Conservation Division

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

12/22/2008

ceived by QCD: 11/7/2021 10:01:00 AM		Page
Fencing: Subsection D of 19.15.17.11 NMAC (A s 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, hospite	al, institution e	or church)
and four feet		
X Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.		
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)		
X Screen Other 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		
9		
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:		
X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for a (Fencing/BGT Liner)	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 - iWATERS database search; USGS; Data obtained from nearby wells	Yes	X 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	XNo
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	XNo
(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	Пмо
Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	XNA	
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.	Yes	XNo
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes	XNo
- Written confirmation or verification from the municipality; Written approval obtained from the municipality  Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification more Taxana Live and the property of the property	Yes	XNo
<ul> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> <li>Within the area overlying a subsurface mine.</li> <li>Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division</li> </ul>	Yes	XNo
Vithin an unstable area.		
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological ociety; Topographic map	Yes	XNo
Vithin a 100-year floodplain - FEMA map	Yes	XNo

2 of 26

T			
Instructions: Each of the I	gency Pits and Below-grade Tank	s Permit App	Opplication Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Hydrogeologic D	ata (Temporary and Emergency Pits)	based upon	irements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
X Siting Criteria Co	ompliance Demonstrations based up	- based upon	n the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
X Design Plan - bas	ed upon the appropriate	on the approp	opriate requirements of 19.15.17.10 NMAC
X Operating and Ma	ed upon the appropriate requirement	s of 19.15.17	7.11 NMAC
X Closure Plan (Ples	aintenance Plan - based upon the app	ropriate requi	tirements of 19.15.17.12 NMAC
Francis Control of the Control of th		applicable) -	- based upon the appropriate requirements of Subsection C of
Previously Approved	Design (attach copy of design)	API	or Permit
Geologic and Hydrogeologic and Hydrogeologic and Hydrogeologic and Hydrogeologic and Hydrogeologic and Plan - base Operating and Mai Closure Plan (Pleas NMAC and 19.15.  Previously Approved I	mpliance Demonstrations (only for or ed upon the appropriate requirements intenance Plan - based upon the appro- se complete Boxes 14 through 18, if a 17.13 NMAC Design (attach copy of design)	pplication. Pleasure) - based in-site closure) of 19.15.17.1	upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9  e) - based upon the appropriate requirements of 19.15.17.10 NMAC
Previously Approved C	Operating and Maintenance Plan	API	
13			
Permanent Pits Permit A	Application Checklist: Subsection	B of 19 15 1	17.9 NMAC
Instructions: Each of the for	llowing items must be attached to the a	pplication. Ple	lease indicate, by a check mark in the box, that the documents are attached.
	onsed apon the requirements of	Paragraph (1)	of Subsection R of 10 15 17 0 NAMES
Siting Criteria Com	pliance Demonstrations - based upon	the appropri	riate requirements of 19.15.17.10 NMAC
La series de la della	ors vescesthent		
Certified Engineerin	ng Design Plans - based upon the app	ropriate requi	airements of 19 15 17 11 NMAC
Since i rotection and	Suuctural integrity Design: based ur	on the appro	Opriate requirements of 10 15 17 11 NATA
	is oused upon the appropriate regu	irements of 1	19 15 17 11 NMAC
Liner Specifications	and Compatibility Assessment - base	ed upon the a	appropriate requirements of 10 15 17 11 NN 1.5
rand , and a distr	my resultance Construction and inst	illation Plan	
Derating and Maint	tenance Plan - based upon the approp	riate requirer	ments of 10 15 17 12 NMA C
ccoom a min Over	opping Prevention Plan - based upon	the appropris	iate requirements of 19.15.17.11 NMAC
	odors, including H2S, Prevention	Plan	G. 17.13.17.11 NWAC
Emergency Response			
Oil Field Waste Stream	m Characterization		
Monitoring and Inspe	ection 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
4			19.15.17.13 NMAC
roposed Closure: 19.15.1	7.13 NMAC		
ype: Drilling World	the applicable boxes, Boxes 14 through	18, in regards	ls to the proposed closure plan.
Alternative	kover Emergency Cavitation	P&A	Permanent Pit X Below-grade Tank Closed-loop System
roposed Closure Method:	X Waste Excavation and Removal	(Below-	-Grade Tank)
	Waste Removal (Closed-loop system	ms only)	
	On-site Closure Method (only for to	emporary pits	s and closed-loop systems)
		On-site Trenci	
		tions must be	e submitted to the Santa Fe Environmental Bureau for consideration)
		- Make be	e satisfication to the Santa Fe Environmental Bureau for consideration)
aste Excavation and Rem	oval Closure Plan Checklist: (19.15	17.13 NMAC	(2) Instructions: Each of the following items must be attached to the closure plan.
ease indicate, by a check mar	k in the box, that the documents are atta	ached.	Instructions: Each of the following items must be attached to the closure plan.
X Protocols and Procedur	es - based upon the appropriate requi	rements of 19	9.15.17.13 NMAC
A Confirmation Sampling	g Plan (if applicable) - based upon the	appropriate	requirements of Subsection E - 5 10 15 17 12 12
	and termit remitted from mounds, arm	ling fillide an	nd drill cuttings)
X Soil Backfill and Cover	Design Specifications - based upon	the appropriate	ate requirements of Subsection H of 19.15.17.13 NMAC
X Re-vegetation Plan - bas	sed upon the appropriate requirement	s of Subsection	ion Lef 10 15 17 12 NIAL C
X Site Reclamation Plan -	based upon the appropriate requirem	onto af C. I	G. 510 I.S. T. T.
	appropriate requirem	ients of Subse	section G of 19.15.17.13 NMAC

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Form C 144

Name (Print):	nformation submitted with this appli Crystal Tafoya	cation is true, accurate a		
Signature:	Cupted De	· lass	Title:	Regulatory Technician
e-mail address:	Stystal latoya & conocophi	4044	Date:	12/22/2008
	STATE GIVE & CUHOCODNI	iips.com	Felephone:	505-326-9837
0				
OCD Approval:	Permit Application (including clo	sure plan) Clo	sure Plan (only)	OCD Conditions (see attachment)
OCD Representative	Signature: CRU	hitehead	_	
itte: Enviro	nmental Specialist	,000,000,00		Approval Date: November 15, 2021
me: Livilo	Timerital Opeolalist		OCD Permit N	umber: BGT 1
ı				
Josure Report (requi	red within 60 days of closure co	ompletion): Subsection K	of 19.15.17.13 NMAC	
port is required to be su	bmitted to the division within 60 day	sure plan prior to implei	menting any closure ac	tivities and submitting the closure report. The closure ease do not complete this section of the form until an
pproved closure plan has	been obtained and the closure activ	ities have been complete	d.	ease do not complete this section of the form until an
			76. <u>(6.)</u> 27. kg ( ) . ( ) . ( ) . ( )	npletion Date:
losure Method:				
Waste Excavation		osure Method Alt	ernative Closure Metho	od Waste Removal (Closed-loop systems only)
If different from ap	proved plan, please explain.			Closed-loop systems only)
sure Report Regardin	Waste Removal Closure For Clos	ed-loop Systems That U	tilize Above Ground	Steel Tanks or Haul-off Bins Only:
re utilized.	y ine facility or facilities for where	the liquids, drilling fluid	is and drill cuttings we	Steel Tanks or Haul-off Bins Only: ere disposed. Use attachment if more than two facilities
Disposal Facility Name:				
Disposal Facility Name:		P	Disposal Facility Permit Disposal Facility Permit	
Were the closed-loop sy	stem operations and associated activi	ties performed on or in a	reas that will not be us	sed for future service and opeartions?
	the fields to the fields t	loow) No		and opeartions?
Site Profession (C)	reas which will not be used for future	service and operations:		
Site Reclamation (P Soil Backfilling and	noto Documentation)			
	cation Rates and Seeding Technique			
	ation Rates and Seeding Technique			
Closure Report Attac	hment Checklist: Instructions: F	ach of the feller :		
he box, that the docume	nts are attached.	ach of the following iten	is must be attached to	the closure report. Please indicate, by a check mark in
Proof of Closure N	otice (surface owner and division)			
Proof of Deed Noti	ce (required for on-site closure)			
	e closures and temporary pits)			
Confirmation Samp	ling Analytical Results (if applica	ble)		
Waste Material San	apling Analytical Results (if applied	cable)		
	me and Permit Number			
Soil Backfilling and				
Site Reclamation (5)	cation Rates and Seeding Techniq	lue		
	noto Documentation)			
On-site Closura I	ation: Latitude:	Longit	tude:	NAD 1927 1983
On-site Closure Loca				
On-site Closure Loca				
	ation:			
ator Closure Certific	ation:	b this classes		
ator Closure Certific	ation and attachments submitted with	h this closure report is tu conditions specified in the	re, accurate and compl	lete to the best of my knowledge and belief. I also certify that
ator Closure Certific by certify that the inform stare complies with all a	ation: ation and attachments submitted with oplicable closure requirements and c	a positive in me	approved closure plan	lete to the best of my knowledge and belief. I also certify that n.
ator Closure Certific by certify that the inform sure complies with all a (Print):	ation and attachments submitted with	a positive in me	re, accurate and comple approved closure plan itle:	lete to the best of my knowledge and belief. I also certify that n.
ator Closure Certific by certify that the inform osure complies with all a	ation and attachments submitted with	Т	approved closure plan	lete to the best of my knowledge and belief. I also certify that n.

Form C-144

Oil Conservation Division

Page 5 of 5

To	ownship: 27N Ran	nge: 09W	Sections:					
NAD	27 X:	Y:	Zone:	▼ Sea	rch Radiu	ıs:		
County:	Basin:		¥	Number:		Suffix:		
Owner Name: (	First)	(Last)		C Non-	Domestic	c C Don	nestic •	All
POD / Sur	face Data Report	Avg D	epth to Water	Report	Wat	ter Column	Report	
	Clea	ar Form	iWATERS Mei	nu Help				
		WATER C	OLUMN REPOR	T 08/21/20	008			
POD Number	(quarters are 1: (quarters are bi	iggest to si	SW 4=SE) mallest) one X	Y	Depth Well	Depth Water	Water Column	(in

No Records found, try again

	Township: 27N Rar	nge: 08W Sections			
NA	D27 X:	Zone:	Sea	arch Radius:	
County:	Basin:		Number:	Suffi	x:
Owner Name:	(First)	(Last)	C Non-	-Domestic C D	Domestic © Al
POD/S	Surface Data Report	Avg Depth to W	ater Report	Water Colu	ımn Report
	Clea	ar Form iWATERS	6 Menu Help		
		WATER COLUMN R		008	
POD Number SJ 02410	(quarters are 1= (quarters are bi Tws Rng Sec 27N 08W 36	enw 2=NE 3=SW 4=SE ggest to smallest g q q q Zone 1 3 2	) X Y	Depth Depth Well Water 2200	\

Record Count: 1

	Township: 26N	Range: 08W	Sections:					
NA	AD27 X:	Y:	Zone:	Sear	ch Radiu	ıs:	Maria and	
County:	Basin:		<u> </u>	Number:		Suffix:		
Owner Name:	(First)	(Last)		C Non-	Domestic	c C Dom	nestic ©	All
POD/	Surface Data Report	Avg [	Depth to Water I	Report	Wat	ter Column	Report	1
	C	lear Form	iWATERS Mer	nu Help	1			
		WATER C	COLUMN REPOR	T 08/20/20	008			
	(quarters are	1=NW 2=NE 3=	SW 4=SE)					
	(quarters are	biggest to s	mallest)		Depth	Depth	Water	(:-
POD Number	Tws Rng S	ec q q q Z	one x	Y	Well	Water	Column	(111
SJ 02405	26N 08W 0	_			180	100	80	
SJ 02411	26N 08W 0				6000			
SJ 02407	26N 08W 0	1 4 4 1			2200			

2200

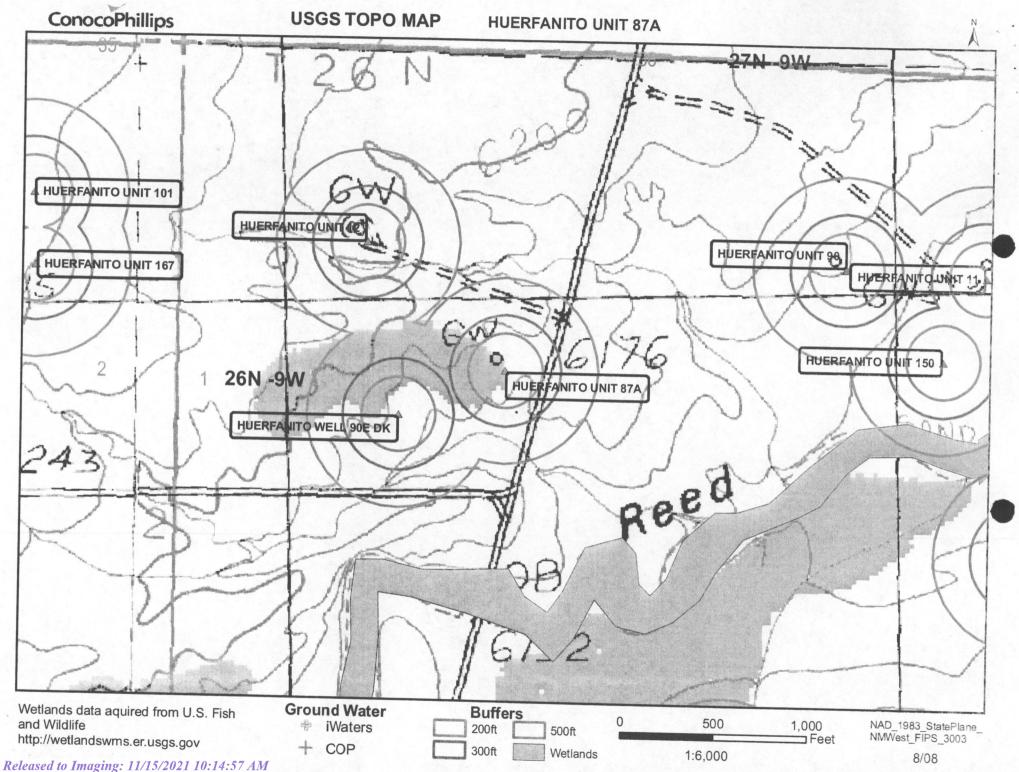
Record Count:

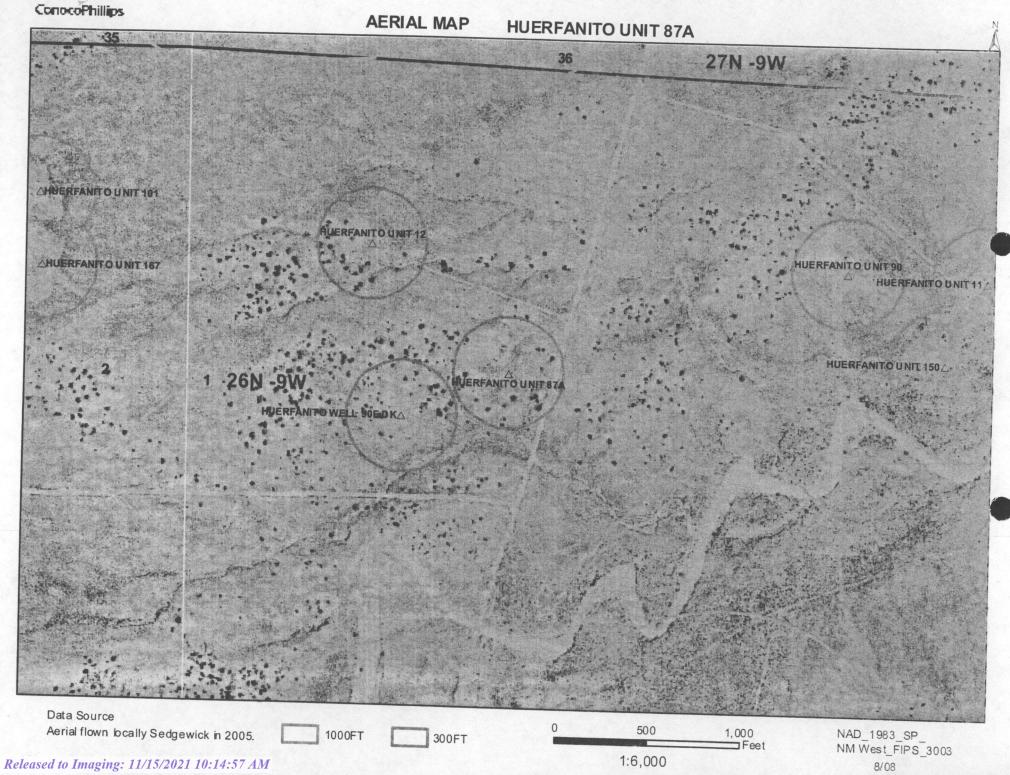
Township: 26N Rang	e: 09W Sections:	
NAD27 X: Y:	Zone:	Search Radius:
County: Basin:	▼ Nu	umber: Suffix:
Owner Name: (First)	(Last)	C Non-Domestic C Domestic All
POD / Surface Data Report	Avg Depth to Water Repo	ort Water Column Report
Clear	Form iWATERS Menu	Help

# WATER COLUMN REPORT 08/20/2008

	(quarter	s ar	e bi	gg	es	t to	3=SW 4=SE) smallest)			Depth	Depth	Water	(40
POD Number	Tws	Rng	Sec	q	P	q	Zone	x	Y	Well	Water	Column	(111
SJ 02961	26N	09W	01	2	2	3					water	COLUMN	
SJ 02962	26N	09W								1500			
SJ 01756	26N	09W		100	-	-				1500			
SJ 03811 POD1										75	40	35	
The second secon	26N	09W		3	3	3				348	175	173	
SJ 00412	26N	09W	16	4	2					202	65		
SJ 00214	26N	09W	26	2	1	2						137	
SJ 00064	26N	09W								946	230	716	
SJ 00063					2	-				490	215	275	
50 00063	26N	09W	26	4	2	3				479	234	245	

Record Count: 8

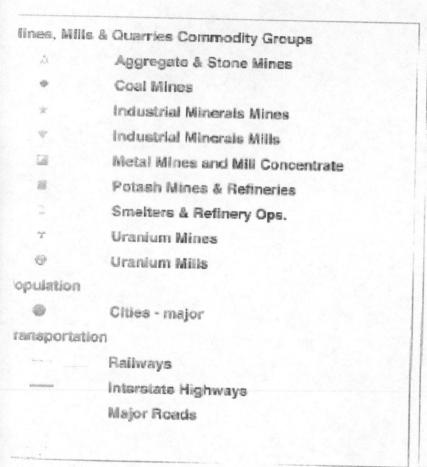


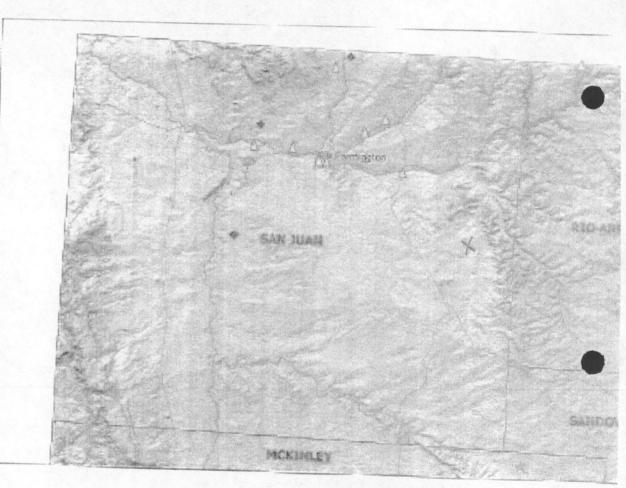


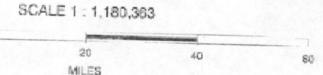
# Mines, Mills and Quarries Web Map

**HUERFANITO UNIT 87A** 

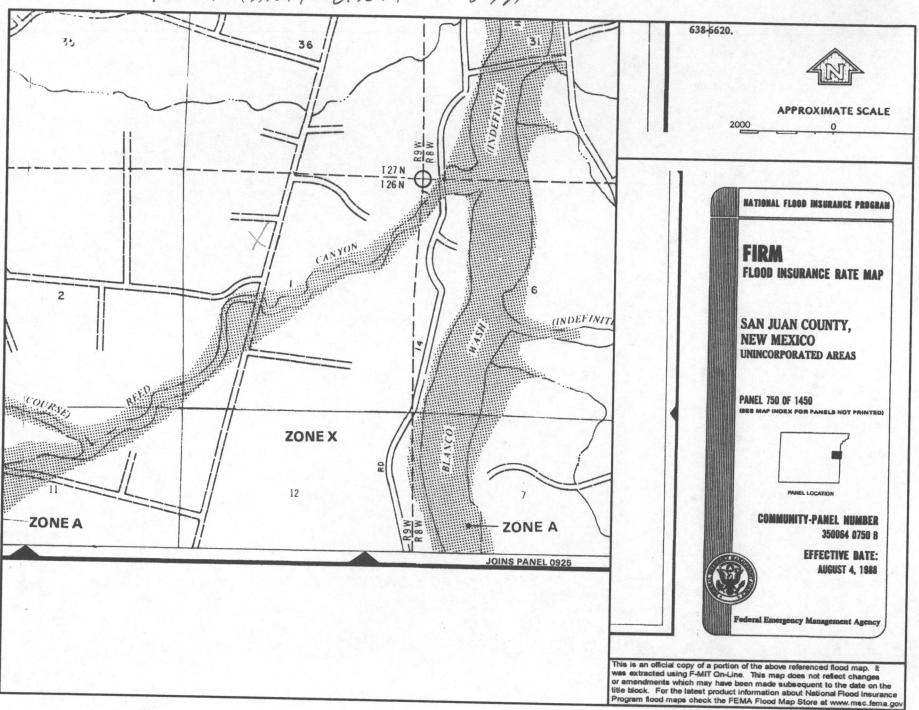
Unit Letter: F, Section: 01, Town: 026N, Range: 009W







# Huer fanito Unit #87A



# **HUERFANITO UNIT 87A**

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'HUERFANITO UNIT 87A', which is located at 36.51955 degree North latitude and 107.7432 degree West longitude. This location is located on the Fresno Canyon 7.5' USGS topographic quadrangle. This location is in section 1 of Township 26 North Range 9 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in San Juan County, New Mexico. The nearest town is Blanco, located 14.9 miles to the north. The nearest large town (population greater than 10,000) is Farmington, located 29.6 miles to the northwest (National Atlas). The nearest highway is US Highway 550, located 9.5 miles to the southwest. The location is on BLM land and is 1,623 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Blanco Canyon. New Mexico, Sub-basin. This location is located 1883 meters or 6176 feet above sea level and receives 10 inches of rain each year. The vegetation at this location is classified as Inter-Mountain Basins Semi-Desert Grassland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 103 feet. This estimation is based on the data published on the New Mexico Engineer's iWaters Database website and water depth data from ConocoPhillips' cathodic wells. Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. The nearest stream is 407 feet to the southwest and is classified by the USGS as an intermittent stream. The nearest perennial stream is 4,097 feet to the southwest. The nearest water body is 4,286 feet to the southeast. It is classified by the USGS as a perennial lake and is 0.2 acres in size. The nearest spring is 25,452 feet to the north. All stream, river, water body and spring information was determined as per the USGS Hydrographic Dataset (High Resolution), downloaded 3/2008. The nearest water well is 1,938 feet to the south. The nearest wetland is a 1,541.8 acre Ravine located 976 feet to the southeast. The slope at this location is 1 degree to the south as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is NACIMIENTO FORMATION-Shale and sandstone with a Shale dominated formations of all ages substrate. The soil at this location is 'Fruitland-Persayo-Sheppard complex, hilly' and is well drained and not hydric with severe erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 23.6 miles to the south as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

## 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 conformably 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 thickness 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.

# Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Design and Construction

In accordance with NMAC 19.15.17 the following information describes the design and construction of below grade tanks on Burlington Resources Oil & Gas Company, LP (BR) locations. This is BR's standard procedure for all below grade tanks (BGT). A separate plan will be submitted for any BGT which does not conform to this plan.

# General Plan:

- BR will design and construct a properly sized and approved BGT which will contain liquids and should prevent contamination of fresh water to protect the public health and environment.
- BR signage will comply with 19.15.3.103 NMAC when BR is the operator. If BR is not the operator it will comply with 19.15.17.11NMAC. BR includes Emergency Contact information on all signage.
- 3. BR has approval to use alternative fencing that provides better protection. BR constructs fencing around the BGT using 4 foot hog wire fencing topped with two strands of barbed wire, or with a pipe top rail. A six foot chain link fence topped with three strands of barbed wire will be use if the well location is within 1000 feet of permanent residence, school, hospital, institution or church. BR ensures that personnel are not onsite.
- 4. BR will construct a screened, expanded metal covering, on the top of the BGT.
- BR shall ensure that a below-grade tank is constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight as shown on design drawing and specification sheet.
- The BR below-grade tank system shall have a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom as shown on design drawing.
- 7. BR shall operate and install the below-grade tank to prevent the collection of surface water run-on. BR has built in shut off devices that do not allow a belowgrade tank to overflow. BR constructs berms and corrugated retaining walls at least 6" above ground to keep from surface water run-on entering the below grade tank as shown on the design plan.
- 8. BR will construct and use a below-grade tank that does not have double walls. The below-grade tank's side walls will be open for visual inspection for leaks, the below-grade tank's bottom is elevated a minimum of six inches above the underlying ground surface and the below-grade tank is underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected.

- 9. BR has equipped the below-grade tanks with the ability to detect high level in the tank and provide alarm notification and shutdown process streams into the tank. Once high level is detected RTU logic closes the inlet separator sales valve and does not permit vent valve to open. This shutdown of the sales valve and gagging of the vent valves prevents any hydrocarbon process streams from entering the pit tank once a high level is detected. Furthermore, an electronic "Water-Hauling" Company indicating a high level and to the designated contract "Water-Hauling" Company indicating a high level and that action must be taken to address this alarm. The environmental drain line from BR's compressor skid drain line is in place to capture any collected rain water or spilled lubricants from our compressor skids. The swab drain line is a manually operated drain and by a manually operated drain and during normal operations it is in the closed position.
- 10. The geomembrane liner consists of a 45-mil flexible LLDPE material manufactured by Raven Industries as J45BB. This product is a four layer reinforced laminated containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. The J45BB is reinforced with 1300 denier (minimum) tri-directional scrim reinforcement. It exceeds ASTMD3083 standard by 10%. J45BB has a warranty for 20 years from Raven Industries and is attached. It is typically used in Brine Pond, Oilfield Pit liner and other industrial applications. The manufacture specific sheet is attached and the design attached displays the proper installation of the liner.
- 11. The general specification for design and construction are attached in the BR document.

9

PROPERLY CONSTRUCTED . FOUNDATION VOID OF ANY SHARP DBJECTS

# ConocoPhillips

San Juan Business Unit

PRODUCED WATER PIT TANK OPEN TOP GRAVITY FLOW TANK INTERNALLY COATED WITH 12-14 MILS AMERON AMERCOAT 385

SA-36 1/4" PLATE

DURASKRIM J45 **IMPERMEABLE** 

LEAK DETECTION

LINER FOR VISIBLE

The Art of the Property of the	TEST METHO	te bar.	J30BB	to which is	136BB	The state of the s	145BB
Appearance		Min. Roll Averages		Min. Roll Averages		II Min. Roll	Typical Rol
Thickness		Bla	ack/Black	Bla	ck/Black	- aragos	
and the same of th	ASTM D 5199	27 mil	30 mil	32 mil			ck/Black
Weight Lbs Per MSF (oz/yd²)	ASTM D 5261	126 lbs (18.14)	140 lbs	151 lbs	36 mil	40 mil	45 mil
Construction			(20.16)	(21.74)	(24.19)	189 lbs (27.21)	210 lbs (30.24)
Ply Adhesion	ASTM D 413	"Ex	trusion laminate	d with encapsu	lated tri-directio	nal scrim reinfo	rcement
	ASIM D 413	16 lbs	20 lbs	19 lbs	24 lbs	25 lbs	31 lbs
1" Tensile Strength	ASTM D 7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD 70 lbf DD	113 lbf MD 87 lbf DD	110 lbf MD	138 lbf MD
1" Tensile Elongation @ Break % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD	750 MD	84 lbf DD 550 MD	105 lbf DD 750 MD
1" Tensile Elongation @ Peak % (Scrim Break)	ASTM D 7003	20 MD		550 DD	750 DD	550 DD	750 MD
	ASTM D 7003	20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	20 MD 20 DD	36 MD
Tongue Tear Strength	ASTM D 5884	75 lbf MD 75 lbf DD	97 lbf MD 90 lbf DD	75 lbf MD 75 lbf DD	104 lbf MD	100 lbf MD	36 DD
Grab Tensile	ASTM D 7004	180 lbf MD			92 lbf DD	100 lbf DD	118 lbf DD
	ASTM D 7004	180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD 220 lbf DD	257 lbf MD 258 lbf DD
rapezoid Tear	ASTM D 4533	120 lbf MD 120 lbf DD	146 lbf MD 141 lbf DD	130 lbf MD 130 lbf DD	189 lbf MD	160 lbf MD	193 lbf MD
Dimensional Stability	ASTM D 1204	<1		130 101 00	172 lbf DD	160 lbf DD	191 lbf DD
uncture Resistance	ASTM D 4833	50 lbf	<0.5	<1	<0.5	<1	<0.5
aximum Use Temperature			64 lbf	65 lbf	83 lbf	80 lbf	99 lbf
Inimum Use Temperature		180° F	180° F				
= Machine Direction = Diagonal Directions		-70° F	-70° F				



Note: Minimum Roll Averages are set to take into account product variability in addition to testing variability between laboratories.

\*Dimensional Stability Maximum Value

\*\*DURA-SKRIM J30BB, J36BB & J45BB are a four layer reinforced laminate containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. DURA-SKRIM J30BB, J36BB & J45BB are reinforced with a 1300 denier (minimum) tri-directional scrim

NOTE: RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and

# PLANT LOCATION

Sioux Falls, South Dakota

# SALES OFFICE

P.O. Box 5107 Sioux Falls, SD 57117-5107 (605) 335-0174 (605) 331-0333 FAX 800-635-3456

08/06

RAVEN INDUSTRIES

# RAVEN INDUSTRIES INC. EXPOSED GEOMEMBRANE LIMITED WARRANTY

Raven Industries Inc. warrants Dura-Skrim J30BB, J36BB, and J45BB to be free from manufacturing defects and to be able to withstand normal exposure to sunlight for a period of 20 years from the date of sale for normal use in approved applications in the U.S and Canada, excluding Hawaii. This warranty is effective for products sold and shipped from January 1, 2008 to December 31, 2008. These dates will be updated prior to December 31, 2008.

This Limited Warranty does not include damages or defects in the Raven geomembrane resulting from acts of God, casualty or catastrophe including but not limited to: earthquakes, floods, piercing hail, or tornadoes. The term "normal use" as used herein does not include, among other things improper handling during transportation, unloading, storage or installation, the exposure of Raven geomembranes to harmful chemicals, atypical atmospheric conditions, abuse of Raven geomembranes by machinery, equipment or people; improper site preparation or covering materials, excessive pressures or stresses from any source or improper consumer as defined in the Magnuson Moss Warranty or any similar federal, state, or local statues. The parties expressly agree

Should defects or premature loss of use within the scope of the above Limited Warranty occur, Raven Industries Inc. will, at its option, repair or replace the Raven geomembrane on a pro-rata basis at the then current price in such manner as to charge the Purchaser/User only for that portion of the warranted life which has elapsed since purchase of the material. Raven Industries Inc. will have the right to inspect and determine the cause of any alleged defect in the Raven geomembrane and to take appropriate steps to repair or replace the Raven geomembrane if a defect exists which is covered under this warranty. This Limited Warranty extends only to Raven's geomembrane, and does not extend to the installation service of third parties nor does it extend to materials furnished or installed by others in connection with the intended use of the Raven geomembranes.

Any claim for any alleged breach of this warranty must be made in writing, by certified mail, to the General Manager of Engineered Films Division of Raven Industries Inc. within ten (10) days of becoming aware of the alleged defect. Should the required notice not be given, the defect and all warranties are waived by the Purchaser, and Purchaser shall not have any rights under this warranty. Raven Industries Inc. shall not be obligated to perform repairs or replacements under this warranty unless and until the area to be replacement of Raven geomembrane to be free from all water, dirt, sludge, residuals and liquids of any kind. If after inspection it is associated with the site inspection.

In the event the exclusive remedy provided herein fails in its essential purpose, and in that event only, the Purchaser shall be entitled to a return of the purchase price for so much of the material as Raven Industries Inc. determines to have violated the warranty provided herein. Raven Industries Inc. shall not be liable for direct, indirect, special, consequential or incidental damages resulting from a breach of this warranty including, but not limited to, damages for loss of production, lost profits, personal injury or or alterations made by Purchaser unless Raven Industries Inc. specifically authorized, in writing, said repairs, replacement, modifications modifications or alteration in advance of them having been made. Raven Industry's liability under this warranty shall in no event exceed the replacement cost of the material sold to the Purchaser for the particular installation in which it failed.

Raven Industries Inc. neither assumes nor authorizes any person other than the undersigned of Raven Industries Inc. to assume for it any other or additional liability in connection with the Raven geomembrane made on the basis of the Limited Warranty. The Limited Warranty on the Raven geomembrane herein is given in lieu of all other possible material warranties, either expressed or This Limited Warranty may only be modified by written document mutually executed by Owner and Raven Industries Inc.

Limited Warranty is extended to the purchaser/owner and is non-transferable and non-assignable; i.e., there are no third-party beneficiaries to this warranty.

Purchaser acknowledges by acceptance that the Limited Warranty given herein is accepted in preference to any and other possible materials warranties.

THIS LIMITED WARRANTY SHALL BE GOVERNED BY SOUTH DAKOTA LAW AND VENUE FOR ALL LEGAL PROCEEDINGS IN CONNECTION WITH THIS LIMITED WARRANTY SHALL BE IN MINNEHAHA COUNTY, SOUTH DAKOTA. RAVEN INDUSTRIES INC. MAKES NO WARRANTY OF ANY KIND OTHER THAN THAT GIVEN ABOVE AND HEREBY DISCLAIMS ALL WARRANTIES, BOTH EXPRESSED OR IMPLIED, OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THIS IS THE ONLY WARRANTY THAT APPLIES TO THE MATERIALS REFERRED TO HEREIN AND RAVEN INDUSTRIES INC. DISCLAIMS ANY LIABILITY FOR ANY WARRANTIES GIVEN BY ANY OTHER PERSON OR ENTITY, EITHER WRITTEN OR ORAL.

RAVEN INDUSTRIES' WARRANTY BECOMES AN OBLIGATION OF RAVEN INDUSTRIES INC. TO PERFORM UNDER THE WARRANTY ONLY UPON RECEIPT OF FINAL PAYMENT AND EXECUTION BY A DULY AUTHORIZED OFFICER OF RAVEN INDUSTRIES INC.

# Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Maintenance and Operating Plan

In accordance with Rule 19.15.17 the following information describes the operation and maintenance of Below Grade Tank (BGT) on Burlington Resources Oil & Gas Company, LP (BR) locations. This is BR's standard procedure for all BGT. A separate plan will be submitted for any BGT which does not conform to this plan.

# General Plan:

- BR will operate and maintain a BGT to contain liquids and solids and maintain the integrity of the liner, liner system and secondary containment system to prevent contamination of fresh water and protect public health and environment. BR will accomplish this by performing an inspection on a monthly basis, installing cathodic protection, and automatic overflow shutoff devices as seen on the
- 2. BR will not discharge into or store any hazardous waste in the BGT.
- 3. BR shall operate and install the below-grade tank to prevent the collection of surface water run-on. BR has built in shut off devices that do not allow a belowleast 6" above ground to keep from surface water run-on entering the below grade tank as shown on the design plan.
- 4. As per 19.17.15.12 Subsection D, Paragraph 3, BR will inspect the below-grade tank at least monthly reviewing several items which include 1) containment berms adequate and no oil present, 2) tanks had no visible leaks or sign of corrosion, 3) tank valves, flanges, and hatches had no visible leaks and 4) no evidence of significant spillage of produced liquids. In addition, BR's multi-skilled operators (MSOs) are required to visit each well location once per week. If oil from the fluid surface of a below-grade tank in an effort to prevent significant include the items listed above and will be maintained for five years.
- BR shall require and maintain a 10" adequate freeboard to prevent overtopping of the below-grade tank.
- 6. If the below grade tank develops a leak, or if any penetration of the pit liner or below grade tank, occurs below the liquid's surface, then BR shall remove all liquid above the damage or leak line within 48 hours. BR shall notify the appropriate district office. BR shall repair or replace the pit liner or below grade tank, within 48 hours of discovery. If the below grade tank or pit liner does not demonstrate integrity, BR shall promptly remove and install a below grade tank or pit liner that complies with Subsection I of 19.15.17.11 NMAC. BR shall notify the appropriate district office of a discovery of leaks less than 25 barrels as required pursuant to Subsection B of 19.15.3.116 NMAC shall be reported within immediate verbal notification pursuant to Subsection B, Paragraph (1), and Subparagraph (d) of 19.15.3.116 NMAC shall be reported to the division's

# Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Closure Plan

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of Below Grade Tanks (BGTs) on Burlington Resources Oil & Gas Company, LP locations hereinafter known as BR locations. This is BR's standard procedure for all BGTs. A separate plan will be submitted for any BGT which does not conform to this plan.

# General Requirements:

- 1. BR shall close a below-grade tank within the time periods provided in Subsection A of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC within five years, if NMAC; b) permitted below-grade tanks within 60 days of cessation of the below-grade tanks's operation., or c) an earlier date that the division requires because of imminent the C144 Closure Report as required.
- 2. BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and (Subsection Land Farm (Permit #NM-01-011). The liner after being cleaned well disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. BR will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.
- 5. BR shall test the soils beneath the below-grade tank to determine whether a release has occurred. BR shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH division approves, does not exceed 50 mg/kg; the TPH division approves, does not exceed 100 mg/kg; and the chloride concentration, as determined by EPA method 418.1 or other EPA method that the determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater.
- If BR or the division determines that a release has occurred, then BR shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

- 7. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, then BR shall backfill the excavation with compacted, nonwaste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.
- 8. 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
  - i. Operator's name
  - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number
- 9. The surface owner shall be notified of BR's closing of the below-grade tank prior to closure as per the approved closure plan via certified mail, return receipt requested.
- 10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping 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.
- 11. 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 federally jurisdicted lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private 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. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. BR will repeat seeding or planting will be continued until successful vegetative growth occurs.
- 12. 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.
- 13. 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 the belowgrade tank. Closure report will be filed on C-144 and incorporate the following:
  - Soil Backfilling and Cover Installation
  - Re-vegetation application rates and seeding techniques
  - Photo documentation of the site reclamation
  - Confirmation Sampling Results
  - Proof of closure notice

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

# **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS

Action 60601

#### **QUESTIONS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	60601
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

#### QUESTIONS

Facility and Ground Water	
Please answer as many of these questions as possible in this group. More information will help us identify the appropriate associations in the system.	
Facility or Site Name	Huerfanito Unit 87A
Facility ID (f#), if known	Not answered.
Facility Type	Below Grade Tank - (BGT)
Well Name, include well number	Huerfanito Unit 87A
Well API, if associated with a well	3004523444
Pit / Tank Type	Not answered.
Pit / Tank Name or Identifier	BGT 1
Pit / Tank Opened Date, if known	Not answered.
Pit / Tank Dimensions, Length (ft)	Not answered.
Pit / Tank Dimensions, Width or Diameter (ft)	Not answered.
Pit / Tank Dimensions, Depth (ft)	Not answered.
Ground Water Depth (ft)	103
Ground Water Impact	Not answered.
Ground Water Quality (TDS)	Not answered.

Below-Grade Tank	
Subsection I of 19.15.17.11 NMAC	
Volume / Capacity (bbls)	120
Type of Fluid	Produced Water
Pit / Tank Construction Material	Steel
Secondary containment with leak detection	False
Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	True
Visible sidewalls and liner	Not answered.
Visible sidewalls only	Not answered.
Tank installed prior to June 18. 2008	Not answered.
Other, Visible Notation. Please specify	Not answered.
Liner Thickness (mil)	Not answered.
HDPE (Liner Type)	Not answered.
PVC (Liner Type)	Not answered.
Other, Liner Type. Please specify (Variance Required)	Not answered.

Fencing	
Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tank	s)
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)	Not answered.
Four foot height, four strands of barbed wire evenly spaced between one and four feet	Not answered.
Alternate, Fencing. Please specify (Variance Required)	4' hogwire

Netting	
Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen	True
Netting	Not answered.
Other, Netting. Please specify (Variance May Be Needed)	Not answered.

## Signs

Subsection C of 19.15.17.11 NMAC (If there are multiple operators at a site, each operator must have their own sign in compliance with Subsection C of 19.15.17.11 NMAC.)

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	Not answered.
Signed in compliance with 19.15.16.8 NMAC	True

Variances and Exceptions	
Justifications and/or demonstrations ofequivalency 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:	
Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.	True
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	Not answered.

# 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. Siting criteria does not apply to drying pads or above-grade tanks.

Siting Criteria, General Siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank	No
NM Office of the State Engineer - iWATERS database search	True
USGS	Not answered.
Data obtained from nearby wells	Not answered.

Siting Criteria, Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lakebed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark)	No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption	No

Proposed Closure Method	
Below-grade Tank	Below Grade Tank - (BGT)
Waste Excavation and Removal	True
Alternate Closure Method. Please specify (Variance Required)	Not answered.

Operator Application Certification	
Registered / Signature Date	12/22/2008

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

ACKNOWLEDGMENTS

Action 60601

#### **ACKNOWLEDGMENTS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	60601
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

#### **ACKNOWLEDGMENTS**

<u>~</u>	I acknowledge that I have received prior approval from the OCD to submit documentation of a legacy below-grade tank on behalf of my operator.
V	I hereby certify that the information submitted with this documentation is true, accurate and complete to the best of my knowledge and belief.

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CONDITIONS

Action 60601

## **CONDITIONS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	60601
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

#### CONDITIONS

Created By	Condition	Condition Date
cwhitehead	None	11/15/2021