<u>District 1</u> *	State of New 1	Mexico	Form C-144
1625 N. French Dr., Hobbs, NM 88240	Energy Minerals and Na	atural Resources	July 21, 200
District II 1301 W. Grand Ave., Artesia, NM 8821 District III	10 Departme 10 Oil Conservation 1220 South St. F.	nt 1 Division rancis Dr	tanks, submit to the appropriate NMOCD District Office.
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM	87505	For permanent pits and exceptions submit to the Santa Fe
District IV	, , , , , , , , , , , ,		Environmental Bureau office and provide a copy to the
1220 S. St. Francis Dr., Santa Fe, NM 8	Pit Closed Loop System	Polow Cro	de Tenk en
Pro	onosed Alternative Method Per	mit or Closu	re Plan Application
<u></u>			ite Hair Application
Type of action	on: X Permit of a pit, closed-loop syst	tem, below-grade	tank, or proposed alternative method
	Modification to an existing per	stem, below-grad	e tank, or proposed alternative method
DG1 1	Closure plan only submitted for	r an existing norm	itted or non normitted nit alocad loop system
	below-grade tank, or proposed	alternative method	d
Instructions: Please submit	one application (Form C-144) per individ	dual pit, closed-la	oop system, below-grade tank or alternative request
Please be advised that app	proval of this request does not relieve the operator of liab	bility should operations	result in pollution of surface water, ground water or the
environment. Nor does appro	oval relieve the operator of its responsibility to comply w	with any other applicabl	e governmental authority's rules, regulations or ordinances.
Operator: Burlington Resource	ces Oil & Gas Company, LP		OGRID#: 14538
Address: PO Box 4289, Farm	nington, NM 87499		
Facility or well name: MADD	OX D FEDERAL COM 1		
API Number:	3004509360	OCD Permit Numb	er:
U/L or Qtr/Qtr:G	Section: 23 Township: 30N	Range:	13W County: San Juan
Center of Proposed Design: La	atitude: 36.80101°N	Longitude:	-108.17108°W NAD: X 1927 1983
Surface Owner: X Federa	al State Private Tri	ibal Trust or India	n Allotment
Permanent Emergency Lined Unlined String-Reinforced Liner Seams: Welded	Cavitation P&A Liner type: Thickness mil	LLDPE	HDPE PVC Other
3 Closed-loop System: Su Type of Operation: P&A Drying Pad Above Lined Unlined Liner Seams: Welded	ubsection H of 19.15.17.11 NMAC Drilling a new well Workover or notice of inter Ground Steel Tanks Haul-off Bins Liner type: Thickness mil Factory Other	Drilling (Applies to nt) Other LLDPE	activities which require prior approval of a permit or
4 X Below-grade tank: Subsection Volume: 120 Tank Construction material:	ction I of 19.15.17.11 NMAC bbl Type of fluid: <u>Produced Wa</u> <u>Metal</u> eak detection X Visible sidewalls, liner, Visible sidewalls onlyOtho milHDPEPVC	ater , 6-inch lift and auto er XOther U	matic overflow shut-off
5			
Submittal of an exception request	is required. Exceptions must be submitted to t	the Santa Fe Environ	nmental Bureau office for consideration of approval.
Submittal of an exception request	is required. Exceptions must be submitted to t	the Santa Fe Environ	nmental Bureau office for consideration of approval.

wed by OCD: 9/18/2021 1:10:57 PM		Page 2
Fencing: Subsection D of 19.15.17.11 NMAC (Ap		
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 of	hurch)
Four foot height, four strands of barbed wire evenly spaced between one and four feet	mannan on th	
X Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.		
	Alter of the	
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	n	an Television a
X Screen Netting Other		
Monthly inspections (If netting or screening is not physically feasible)		
Signs: Subsection C of 19.15.17.11 NMAC		
X Signed in compliance with 19.15.3.103 NMAC		
Administrative Approvals and Exceptions:		
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.		
X Administrative approval(s): Requests must be submitted to the correspondent division district of the Sector F. F. S.		
(Fencing/BGT Liner)	onsideration of	approval.
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.		
	1	
Stung Uniteria (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 assirict 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	XNo
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa	Yes	XNo
 Iake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 		
Within 300 feet from a permanent residence, school, hospital institution, or church in existence of the time of initial		TT I
application.	res	XNO
(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) - Visual inspection (certification) of the proposed site: Aerial photo: Satallita 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.		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	Yes	XNo
- Written confirmation or verification from the municipality; Written approval obtained from the municipality		
Within 500 feet of a wetland.	Yes	XNo
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site		
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes	XNo
Vithin an unstable area.	□ Yes	XNo
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological		
ociety; ropographic map		
Post involpani	Yes	X No

Form C-144

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Oil Conservation Division

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Temporary Pits, Emerge Instructions: Each of the follo	ncy Pits and Below-grade Tanks I owing items must be attached to the app	Permit Application Attachme plication. Please indicate, by a cl	ent Checklist: Subsection B of 19.15.17.9 NMAC heck mark in the box, that the documents are attached
X Hydrogeologic Rep	ort (Below-grade Tanks) - based upc	on the requirements of Paragran	ph (4) of Subsection B of 19 15 17 9 NMAC
Hydrogeologic Data	(Temporary and Emergency Pits) -	based upon the requirements of	of Paragraph (2) of Subsection B of 19.15.17.9
X Siting Criteria Com	pliance Demonstrations - based upor	n the appropriate requirements	of 19.15.17.10 NMAC
X Design Plan - based	upon the appropriate requirements	of 19.15.17.11 NMAC	a the second
X Operating and Main	tenance Plan - based upon the appro	opriate requirements of 19 15 1	7 12 NMAC
X Closure Plan (Please 19.15.17.9 NMAC	complete Boxes 14 through 18, if a	applicable) - based upon the ap	propriate requirements of Subsection C of
Previously Approved D	esion (attach conv of design)	A DI	
	sign (attach copy of design)	AFI	or Permit
Closed-loop Systems Peri Instructions: Each of the follo Geologic and Hydro Siting Criterio Comm	nit Application Attachment Check wing items must be attached to the app geologic Data (only for on-site closu	klist: Subsection B of 19.15.17.9 plication. Please indicate, by a characteristic of the second sec	NMAC eck mark in the box, that the documents are attached. ents of Paragraph (3) of Subsection B of 19.15.17.9
Design Plan based	mance Demonstrations (only for on-	-site closure) - based upon the a	appropriate requirements of 19.15.17.10 NMAC
Design Plan - based	upon the appropriate requirements of	of 19.15.17.11 NMAC	
Operating and Main	enance Plan - based upon the appro	priate requirements of 19.15.17	7.12 NMAC
Closure Plan (Please NMAC and 19.15.17	complete Boxes 14 through 18, if a 7.13 NMAC	pplicable) - based upon the app	propriate requirements of Subsection C of 19.15.17.9
Previously Approved De	sign (attach copy of design)	API	
Previously Approved Op	erating and Maintenance Plan	API	
 Hydrogeologic Repo Siting Criteria Comp Climatological Facto Certified Engineering Dike Protection and Leak Detection Desig Liner Specifications Quality Control/Qual Operating and Maint Freeboard and Overto Nuisance or Hazardo Emergency Response Oil Field Waste Streat Monitoring and Inspe Erosion Control Plan Closure Plan - based 	rt - based upon the requirements of liance Demonstrations - based upon rs Assessment g Design Plans - based upon the app Structural Integrity Design: based up n - based upon the appropriate required Compatibility Assessment - based ity Assurance Construction and Inst enance Plan - based upon the approp opping Prevention Plan - based upor us Odors, including H2S, Prevention Plan m Characterization ction Plan	Paragraph (I) of Subsection B of the appropriate requirements of 19.15 pon the appropriate requirement irrements of 19.15.17.11 NMA ed upon the appropriate require allation Plan priate requirements of 19.15.17 in the appropriate requirements in Plan	NMAC and 19.15.17.13 NMAC of 19.15.17.10 NMAC of 19.15.17.10 NMAC .17.11 NMAC its of 19.15.17.11 NMAC .C ements of 19.15.17.11 NMAC of 19.15.17.11 NMAC
Proposed Closure: 19.15.1 Instructions: Please complete Type: Drilling Wor Alternative Proposed Closure Method:	7.13 NMAC the applicable boxes, Boxes 14 through cover Emergency Cavitation X Waste Excavation and Removal Waste Removal (Closed-loop syst On-site Closure Method (only for In-place Burial Alternative Closure Method (Exc.	h 18, in regards to the proposed of n P&A Permanent Pi (Below-Grade Tank) tems only) temporary pits and closed-loop On-site Trench eptions must be submitted to the	closure plan. it X Below-grade Tank Closed-loop System systems) e Santa Fe Environmental Bureau for consideration)
15			Sana re Environmental Bureau for consideration)
Waste Excavation and Ren Please indicate, by a check ma X Protocols and Procedu X Confirmation Samplin X Disposal Facility Nam	toval Closure Plan Checklist: (19.1 rk in the box, that the documents are a res - based upon the appropriate req g Plan (if applicable) - based upon t e and Permit Number (for liquids, d	15.17.13 NMAC) <i>Instructions: Eattached.</i> quirements of 19.15.17.13 NM, the appropriate requirements of drilling fluids and drill cuttings)	ach of the following items must be attached to the closure plan. AC f Subsection F of 19.15.17.13 NMAC

Form C-144

Oil Conservation Division

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16		
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Instructions: Please identify the facility or facilities for the disposal of liquids, dri	<u>d Steel Tanks or Haul-off Bins Only:</u> (19.15.17.13.D NMAC: illing fluids and drill cuttings. Use attachment if more than two) 9 facilities
are required. Disposal Facility Name	Disposal English, Permit H.	
Disposal Facility Name:	Disposal Facility Permit #:	
Will any of the proposed closed-loop system operations and associated acti	ivities occur on or in areas that will not be used for future	service and operations?
Required for impacted areas which will not be used for future service and operating Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Su Site Reclamation Plan - based upon the appropriate requirements of	ions: opriate requirements of Subsection H of 19.15.17.13 NM absection I of 19.15.17.13 NMAC f Subsection G of 19.15.17.13 NMAC	AC
17 <u>Siting Criteria (Regarding on-site closure methods only:</u> 19.15.17.10 N Instructions: Each siting criteria requires a demonstration of compliance in the closure pl certain siting criteria may require administrative approval from the appropriate district of for consideration of approval. Justifications and/or demonstrations of equivalency are re-	MAC lan. Recommendations of acceptable source material are provided by ffice or may be considered an exception which must be submitted to the quired. Please refer to 19.15.17.10 NMAC for guidance.	elow. Requests regarding changes to he Santa Fe Environmental Bureau office
Ground water is less than 50 feet below the bottom of the buried waste.		Yes No
 NM Office of the State Engineer - iWATERS database search; USGS: Data 	obtained from nearby wells	N/A
Ground water is between 50 and 100 feet below the bottom of the buried w	vaste	Yes No
- NM Office of the State Engineer - iWATERS database search; USGS; Data	obtained from nearby wells	N/A
Ground water is more than 100 feet below the bottom of the buried waste.		Yes No
- NM Office of the State Engineer - iWATERS database search; USGS; Data	obtained from nearby wells	N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sig (measured from the ordinary high-water mark).	gnificant watercourse or lakebed, sinkhole, or playa lake	Yes No
- Topographic map; Visual inspection (certification) of the proposed site		
 Visual inspection (certification) of the proposed site; Aerial photo; satellite in 	h in existence at the time of initial application. nage	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that les purposes, or within 1000 horizontal fee of any other fresh water well or spring, in e - NM Office of the State Engineer - iWATERS database; Visual inspection (cee	s than five households use for domestic or stock watering existence at the time of the initial application. rtification) of the proposed site	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh wate pursuant to NMSA 1978, Section 3-27-3, as amended.	er well field covered under a municipal ordinance adopted	Yes No
Within 500 feet of a wetland	obtained from the municipality	
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual	inspection (certification) of the proposed site	
Within the area overlying a subsurface mine.		Yes No
Within an unstable area.	nd Mineral Division	
 Engineering measures incorporated into the design; NM Bureau of Geology & Topographic map 	Mineral Resources; USGS; NM Geological Society;	
Within a 100-year floodplain. - FEMA map		Yes No
¹⁸ On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Ea by a check mark in the box, that the documents are attached.	ch of the following items must bee attached to the closu	re plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appropr	iate requirements of 19.15.17.10 NMAC	
Proof of Surface Owner Notice - based upon the appropriate requirer	nents of Subsection F of 19.15.17.13 NMAC	
Construction/Design Plan of Burial Trench (if applicable) based upon	n the appropriate requirements of 19.15.17.11 NMAC	
Construction/Design Plan of Temporary Pit (for in place burial of a d	rying pad) - based upon the appropriate requirements of 1	9.15.17.11 NMAC
Protocols and Procedures - based upon the appropriate requirements	of 19.15.17.13 NMAC	
Confirmation Sampling Plan (if applicable) - based upon the appropri	iate requirements of Subsection F of 19.15.17.13 NMAC	
waste Material Sampling Plan - based upon the appropriate requirem	ents of Subsection F of 19.15.17.13 NMAC	
Usposal Facility Name and Permit Number (for liquids, drilling fluid	Is and drill cuttings or in case on-site closure standards car	nnot be achieved)
Re-vegetation Plan - based upon the appropriate requirements of Subs	section I of 19.15.17.13 NMAC	
Site Reclamation Plan - based upon the appropriate requirements of S	Subsection G of 19 15 17 13 NMAC	

Form C-144

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Oil Conservation Division

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Name (Drint):	, accurate and complete to the best of my knowledge and belief.
Simulations	Ittle: Regulatory Technician
signature: <u>Capital Japya</u>	Date: 12/22/2008
e-mail address: <u>Crystal taloya & conocophility.com</u>	1 elephone:505-526-9837
20 DCD Approval: Permit Application (including closure plan) DCD Representative Signature:	Closure Plan (only) OCD Conditions (see attachment)
Title: Environmental Specialist	OCD Permit Number: BGT 1
21 Closure Report (required within 60 days of closure completion): Instructions: Operators are required to obtain an approved closure plan pr report is required to be submitted to the division within 60 days of the comp pproved closure plan has been obtained and the closure activities have be	Subsection K of 19.15.17.13 NMAC rior to implementing any closure activities and submitting the closure report. The closure pletion of the closure activities. Please do not complete this section of the form until an een completed.
22 Closure Method: Waste Excavation and Removal On-site Closure Metho If different from approved plan, please explain.	Dd Alternative Closure Method Waste Removal (Closed-loop systems only)
3 Closure Report Regarding Waste Removal Closure For Closed-loop Sys nstructions: Please identify the facility or facilities for where the liquids,	stems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: , drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities
vere utilized. Disposal Facility Name:	Disposal Facility Permit Number
Disposal Facility Name:	Disposal Facility Permit Number:
Were the closed-loop system operations and associated activities perform	med on or in areas that will not be used for future service and opeartions?
Yes (If yes, please demonstrate compliane to the items below)	No
Required for impacted areas which will not be used for future service an Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	nd operations:
⁴ <u>Closure Report Attachment Checklist:</u> Instructions: Each of the the box, that the documents are attached.	following items must be attached to the closure report. Please indicate, by a check mark in
Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure)	
Plot Plan (for on-site closures and temporary nits)	
Confirmation Sampling Analytical Results (if applicable)	
Waste Material Sampling Analytical Results (if applicable)	
Disposal Facility Name and Permit Number	
Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Technique	
Site Reclamation (Photo Documentation)	
	Longitude:NAD [] 1927 [] 1983
On-site Closure Location: Latitude:	
On-site Closure Location: Latitude:	
On-site Closure Location: Latitude:	sure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that s specified in the approved closure plan
On-site Closure Location: Latitude:	sure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that s specified in the approved closure plan. Title:
On-site Closure Location: Latitude:	sure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that s specified in the approved closure plan. Title: Date:
On-site Closure Location: Latitude:	ssure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that s specified in the approved closure plan. Title: Date:

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POD Reports and Downloads										
Township: 30N	Range: 13W	Sections:								
NAD27 X:	Y:	Zone:	Sear	ch Radius:						
County: Bas	in:	v	Number:	Suffix:						
Owner Name: (First)	(Last)		€ Non-I	Domestic C Domestic	ه All					
POD / Surface Data Repo	ort Avg	Depth to Water	Report	Water Column Report						
	Clear Form	iWATERS Me	enu Help	1						

WATER COLUMN REPORT 08/21/2008

	(qu	arter	s ar	e 1=	NW	2	=NE	3=SW 4=SE)						
	(qu	arters	s ar	e bi	gg	es	t to	smallest)			Depth	Depth	Water	(in
POD Num	ber	Tws	Rng	Sec	g q	q	a	Zone	х	Y	Well	Water	Column	
RG 2243	1	30N	13W	30	2						100	45	55	
SJ 0134	4	30N	13W	01	4	1	2				42	27	15	
SJ 0328:	3	30N	13W	05	2	4	2				20	8	12	
SJ 0013	2	30N	13W	05	3	4	4				100	46	54	
SJ 0110:	1	30N	13W	08	1						41	26	15	
SJ 03320	5	30N	13W	08	1	3	3				55	30	25	
SJ 00328	3	30N	13W	08	2						33	21	12	
SJ 02268	3	30N	13W	08	2						30	21	9	
SJ 01463	3	30N	13W	08	2						52	30	22	
SJ 00877	7	30N	13W	08	2						60	30	30	
SJ 00293	3	30N	13W	08	2						50	30	20	
SJ 00855	5	30N	13W	08	2	1					50	25	25	
SJ 01068	3	30N	13W	08	2	1					53	28	25	
SJ 02326	5	30N	13W	08	2	1	3				42	35	7	
SJ 02735	5	30N	13W	08	2	3	4				43	23	20	
SJ 00587	1	30N	13W	08	3	4	2				72	48	2.4	
SJ 03195	5	30N	13W	08	4	1	1				60	35	25	
SJ 03328	3	30N	13W	08	4	1	1				60			
SJ 03196	5	30N	13W	08	4	1	2				41	20	21	
SJ 03160)	30N	13W	08	4	1	4				60	8	52	
SJ 00374		30N	13W	08	4	2						56		
SJ 02919)	30N	13W	08	4	3	4				45			
SJ 02397	1	30N	13W	08	4	4					31	15	16	
SJ 02396	;	30N	13W	08	4	4					30	10	20	
SJ 02823		30N	13W	08	4	4	3				40	20	20	
SJ 02787	1	30N	13W	09	1	3	1				235	140	95	
SJ 00818	}	30N	13W	09	3	1					130	32	98	
SJ 02725		30N	13W	09	3	1	1				110	100	10	
SJ 02647		30N	13W	11	4	3	4				76	58	1.0	
SJ 02943		30N	13W	17	2	1	2				60	50	10	
SJ 03029		30N	13W	17	2	2	1				65	15	20	
SJ 03017		30N	13W	17	2	4	2				27	20	20	
											21	40	+ /	

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SJ 02574	30N	13W	17	2	4	4				26		9	17
SJ 01736	30N	13W	26	1	4	3				220	20	0	17
SJ 01119	30N	13W	26	1	4	4				370	30	0	32
SJ 01454	30N	13W	26	3	1	1				100	25	0	70
SJ 01117	30N	13W	26	3	1	4				360	20	0	50
SJ 02225	30N	13W	26	3	2	2				220	30	0	60
SJ 01895	30N	13W	26	3	2	4				270	20	0	39
SJ 01181	30N	13W	26	3	3	3				2570	20	0	120
SJ 01503	30N	13W	26	4	2	2				237	23	0	27
SJ 02674	30N	13W	27	3	4	4				270	26	0	50
SJ 00992	30N	13W	28	2	1	1				270	25	0	20
SJ 00992 CLW303071	30N	13W	28	2	1	2				624	30	6	318
SJ 00868	30N	13W	29	2	1	2				024	30	6	318
SJ 00262	30N	131	29	2						49	2	5	24
SJ 01357	30N	13W	29	2	2					38	2	5	13
SJ 01040	30N	1 3 W	29	2	2					11	5	6	15
SJ 03046	30N	131	29	2	2	Λ				49	2	0	29
SJ 01502	BON	131	29	1	4	4				80	3	0	50
SJ 00448	30N	13147	29	4						47	2	0	27
SJ 00215	BON	13147	29	4	3					45	2	0	25
SJ 02159	30N	13147	29	1	2					55	3	5	20
SJ 02754	BON	1314	29	1	7	1				40	1	5	25
SJ 00467	30N	13147	30	4	4	4				65	6	5	
SJ 01150	30N	1 3 107	30	1	4					36	23	1	15
SJ 00156	30N	13107	32	3	' ±					37	10	5	21
SJ 00217	SON	1300	32	2						44	18	3	26
SJ 01359	30N	1300	32	2	1					40	1()	30
ST 02391	3 ON	13147	35	1	1	1				25	1()	15
terter te al el d'da	2014	TOM	22	Т	T	T				260	200)	60

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	Λ	New Mexico Oj POD Rep	ffice of the Sta orts and Dow	<i>ite Engi</i> nloads	ineer				
	Township: 28N	Range: 10W	Sections:	Arian, and - Lating A		Propulsion and the contraction of the		i ini	a any
NA	D27 X:	Y:	Zone:	*	Searc	ch Radiu	s:		
County:	Basin:		v	Num	ber:		Suffix:	ntylettiinko searon httinktikuurenekattide	Numerity"
Owner Name:	(First)	(Last)		- r	Non-E	Domestic	C Dom	estic @	All
POD / S	Surface Data Report	Avg	Depth to Wate	r Report		Wat	er Column	Report	
		Clear Form	iWATERS M	enu	Help				
		WATER	COLUMN REPO	RT 08/	21/20	08			
POD Number	(quarters are (quarters are Tws Rng	1=NW 2=NE 3 biggest to Sec q q q	S=SW 4=SE) smallest) Zone X	1	Y	Depth Well	Depth Water	Water Column	(in
No Records for	und, try again								



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AERIAL MAP MADDOX D FEDERAL COM 1 EFDERAL AEA **BADDO** MADDOX D FEDERAL COM 100 AMCCORD MADDOX D FEDERAL COM 1A Data Source NAD_1983_SP_ NM West_FIPS_3003 500 1,000 Feet 0 Aerial flown locally Sedgewick in 2005. 1000FT 300FT 1:6,000 8/08 **Released to Imaging: 10/1/2021 10:06:18 AM**

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Mines, Mills and Quarries Web Map

MADDOX D FEDERAL COM 1 Unit Letter: G, Section: 23, Town: 030N, Range: 013W



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Maddox D Federal Com 1

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MADDOX D FEDERAL COM 1

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'MADDOX D FEDERAL COM 1', which is located at 36.80101 degrees North latitude and 108.17108 degrees West longitude. This location is located on the Farmington North 7.5' USGS topographic quadrangle. This location is in section 23 of Township 30 North Range 13 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 Farmington, located 5.0 miles to the southwest. The nearest large town (population greater than 10,000) is Farmington, located 5.0 miles to the southwest (National Atlas). The nearest highway is US Highway 550, located 2.7 miles to the southeast. The location is on BLM land and is 1,182 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Middle San Juan. Arizona, Colorado, New Mexico, Sub-basin. This location is located 1746 meters or 5726 feet above sea level and receives 10.5 inches of rain each year. The vegetation at this location is classified as Inter-Mountain Basins Greasewood Flat as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 287 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 379 feet to the northwest and is classified by the USGS as an intermittent stream. The nearest perennial stream is 1,722 feet to the northwest. The nearest water body is 12,865 feet to the southeast. It is classified by the USGS as an perennial lake and is 0.6 acres in size. The nearest spring is 3,859 feet to the northwest. 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 2,021 feet to the west. The nearest wetland is a 101.8 acre Ravine located 10,909 feet to the west. The slope at this location is 2 degrees to the west 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 'Stumble-Fruitland association, gently sloping' and is somewhat excessively drained and not hydric with slight erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 8.4 miles to the northwest 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 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, eastcentral 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:

- 1. 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.
- 2. 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 all gates associated with the fence are closed and locked when responsible personnel are not onsite.
- 4. BR will construct a screened, expanded metal covering, on the top of the BGT.
- 5. 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.
- 6. 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 below-grade 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 page is sent to the BR MSO for that well site 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 under normal operating conditions is in the open position. The environmental 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 normal operating procedures is in the closed position. The tank drain line is also 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.



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DURA-SKRIM®

J30, J36 & J45

PROPERTIES	TEST METHOD	J	30BB	J3	6BB	J45BB		
		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll	
Appearance		Blac	ck/Black	Black	<td colspan="2">Black/Black</td>	Black/Black		
Thickness	ASTM D 5199	27 mil	30 mil	32 mil	36 mil	40 mil	45 mil	
Weight Lbs Per MSF (oz/yd²)	ASTM D 5261	126 lbs (18.14)	140 lbs (20.16)	151 lbs (21.74)	168 lbs (24,19)	189 lbs (27 21)	210 lbs (30 24)	
Construction		**Ext	rusion laminated	d with encapsula	ated tri-direction	al scrim reinfor	(00.24)	
Ply Adhesion	ASTM 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 84 lbf DD	138 lbf MD 105 lbf DD	
1" Tensile Elongation @ Break % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	
1" Tensile Elongation @ Peak % (Scrim Break)	ASTM D 7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	20 MD 20 DD	36 MD 36 DD	
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 92 lbf DD	100 lbf MD 100 lbf DD	117 lbf MD 118 lbf DD	
Grab Tensile	ASTM D 7004	180 lbf MD 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	
Trapezoid 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 172 lbf DD	160 lbf MD 160 lbf DD	193 lbf MD 191 lbf DD	
* Dimensional Stability	ASTM D 1204	<1	<0.5	<1	<0.5	<1	<0.5	
Puncture Resistance	ASTM D 4833	50 lbf	64 lbf	65 lbf	83 lbf	80 lbf	00.166	
Maximum Use Temperature		180° F	180° F	180° F	190° E	100% 5		
Minimum Use Temperature		-70° F	-70° F	-70° F	70° F	180° F	180° F	
D = Machine Direction				-101	-70 F	-70° F	-70° F	

DD = Diagonal Directions



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 reinforcement.

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 disclaims all liability for resulting loss or damage



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

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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.

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 application or installation. Raven geomembrane material warranty is intended for commercial use only and is not in effect for the consumer as defined in the Magnuson Moss Warranty or any similar federal, state, or local statues. The parties expressly agree that the sale hereunder is for commercial or industrial use only.

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 replaced is clean, dry, and unencumbered. This includes, but is not limited to, the area made available for repair and/or replacement of Raven geomembrane to be free from all water, dirt, sludge, residuals and liquids of any kind. If after inspection it is determined that there is no claim under this Limited Warranty, Purchaser shall reimburse Raven Industries Inc. for its costs

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 property damage. Raven Industries Inc. shall not be obligated to reimburse Purchaser for any repairs, replacement, modifications or alterations made by Purchaser unless Raven Industries Inc. specifically authorized, in writing, said repairs, replacements, 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 implied, and by accepting delivery of the material; Purchaser waives all other possible warranties, except those specifically given. 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 design plan.
- 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 below-grade 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.
- 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 detected on either inspection, BR shall remove any visible or measurable layer of oil from the fluid surface of a below-grade tank in an effort to prevent significant accumulation of oil overtime. The written record of the monthly inspections will include the items listed above and will be maintained for five years.
- 5. 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 twenty-four (24) hours of discovery of leaks greater than 25 barrels. In addition, 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 Environmental Bureau Chief.

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:

- 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 included in Paragraph (5) of Subsection I o f19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) permitted below-grade tanks within 60 days of cessation of the below-grade tank's operation., or c) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, BR will file 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 Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be 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.
- 4. 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; total BTEX 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; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100 mg/kg; and the chloride concentration, as determined by EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. BR shall notify the division of its results on form C-141.
- 6. 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, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.
- 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.
- 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 below-grade 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

District I 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

District IV 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

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Action 49936

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	49936
	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	Not answered.	
Facility ID (f#), if known	Not answered.	
Facility Type	Below Grade Tank - (BGT)	
Well Name, include well number	Not answered.	
Well API, if associated with a well	Not answered.	
Pit / Tank Type	Not answered.	
Pit / Tank Name or Identifier	Not answered.	
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)	Not answered.	
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)	Not answered.
Type of Fluid	Not answered.
Pit / Tank Construction Material	Not answered.
Secondary containment with leak detection	Not answered.
Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	Not answered.
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 tanks)	
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)	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)	Not answered.

Netting

Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen	Not answered.
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	Not answered.

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.	Not answered.	
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	Not answered.
NM Office of the State Engineer - iWATERS database search	Not answered.
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)	Not answered.
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption	Not answered.
Proposed Closure Method	

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

Registered / Signature Date	Not answered.

District I 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

District IV 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

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	49936
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144] B)

ACKNOWLEDGMENTS

 $\overline{\checkmark}$ 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.

 $\overline{\checkmark}$ I hereby certify that the information submitted with this documentation is true, accurate and complete to the best of my knowledge and belief. ACKNOWLEDGMENTS

Action 49936

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

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Action 49936

CONDITIONS

CONDITIONO		
Operator:	OGRID:	
HILCORP ENERGY COMPANY	372171	
1111 Travis Street	Action Number:	
Houston, TX 77002	49936	
	Action Type:	
	[C-144] Legacy Below Grade Tank Plan (C-144LB)	

CONDITIONS

Created By	Condition	Condition Date
cwhitehead	None	10/1/2021