District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Ave., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy Minerals and Natural Resources

Department Oil Conservation Division 1220 South St. Francis Dr. Form C-144 July 21, 2008

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

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
Proposed Alternation No. 1981	de Tonts or
Proposed Alternative Method Permit or Closu	ure Plan Application
Type of action:	ne i lan Application
of a pit, closed-loop system, below-grade t	ank, or proposed alternative method
Closure of a pit, closed-loop system, below-grade Modification to an existing permit	tank, or proposed alternative method
Closure plan only submitted for an existing permit below-grade tank, or proposed alternative method	tted or non-permitted pit, closed-loop system,
Instructions: Please submit one application (Form C-144) per individual pit closed los	
Please be advised that approval of this request does not relieve the operator of liability should operations an environment. Nor does approval relieve the operator of its responsibility to comply with any other coefficient.	esult in pollution of surface water
environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable	governmental authority's rules, regulations or ordinances.
Operator: Burlington Resources Oil & Gas Company, LP	OGD III
Address: PO Box 4289, Farmington, NM 87499	OGRID#: 14538
Facility or well name: HUDSON 1E	
API Number: 3004526202 OCD Permit Number	
U/L or Qtr/Qtr: O Section: 8 Township: 29N Pance:	
Center of Proposed Design: Latitude: 36.73713°N Longitude:	2W County: San Juan
Surface Owner: Federal State X Private Tribal Trust or Indian	-108.11763°W NAD: X 1927 1983
2	Autouncia
Pit: Subsection F or G of 19.15.17.11 NMAC	
Temporary: Drilling Workover	
Permanent Emergency Cavitation P&A	
Lined Unlined Liner type: Thickness mil LLDPE H	DPE PVC Other
String-Reinforced	DPE PVC Other
Liner Seams: Welded Factory Other Volume:	hhl Dimonica v
	bbl Dimensions Lx Wx D
Closed-loop System: Subsection H of 19.15.17.11 NMAC	
Type of Operation:	tivities which require prior approval of a permit or
Drying Ped 1	avides which require prior approval of a permit or
Uther Other	
Liner Seams: World Committee Miles Miles	PE PVD Other
Enter Scalis. Welded Factory Other	
X Below-grade tank: Subsection I of 19.15.17.11 NMAC	
Volume: 120	
Tank Construction materials	
Constitution	
Visible sidewalls and lines.	tic overflow shut-off
Liner Type: Thickness University Other	
	ecified
Alternative Method:	
ubmittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmen	tal Bureau office for consideration of

Form C-144

Oil Conservation Division

ved by OCD: 10/10/2021 10:01:16 AM	Page 2
Fencing: Subsection D of 19.15-17-14 NMAC , plies 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, host bour foot height, four strands of barbed wire evenly spaced between one and four feet X Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.	pital, institution or church)
7	
Netting: Subsection F of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) X Screen Netting Other	
Monthly inspections (If netting or screening is not physically feasible)	
8	
Signs: Subsection C of 19.15.17.11 NMAC	
12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
X Signed in compliance with 19.15.3.103 NMAC	
Administrative Approvals and Exceptions: 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 (Fencing/BGT Liner) Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	or consideration of approval.
0 die banda re Environmental Bureau office for consideration of approval.	
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 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
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	Yes XNo
Applies to temporary, emergency, or cavitation pits and below-grade toutes	A A
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 conditions.	
Aprila to permanent pits)	Yes No
inspection (certification) of the proposed site; Aerial photo: Satellite image	XNA
Vithin 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering urposes, 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.	
lopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes X No
Written confirmation or verification from the municipality; Written approval obtained from the municipality ithin 500 feet of a wetland. I.S. Fish and Wildlife, W. ale I.M. 1977.	
US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes X No
Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes XNo
ithin an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological ciety; Topographic map	Yes X No
ithin a 100-year floodplain	
FEMA map	Tyes XINO

Temporary Pits, Emergency Pits and Belo. ade Tanks Permit Application Attachment Checkliss. section B of 19.15-17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.									
X Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9									
Land print									
X Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC									
X Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC									
X Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC									
Previously Approved Design (attach copy of design) API or Permit									
12									
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.									
Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9									
Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC									
Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC									
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC									
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC)								
Previously Approved Design (attach copy of design) API									
Previously Approved Design (anaericopy of design) API									
Treviously Approved Operating and Mannenance Train									
Permanent Pits Permit Application Checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (I) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design: based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H2S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC									
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A Permanent Pit X Below-grade Tank Closed-loop System Alternative Proposed Closure Method: X Waste Excavation and Removal (Below-Grade Tank)									
Waste Removal (Closed-loop systems only)									
On-site Closure Method (only for temporary pits and closed-loop systems)									
In-place Burial On-site Trench									
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)									
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure in the last the description of the following items must be attached to the closure in the last the description of the following items must be attached to the closure in the cl	ire plan.								
Please indicate, by a check mark in the box, that the documents are attached. X Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC									
X Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) X Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC									
X Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC									

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D N large required). Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D N are required).	MAC
things. Ose anachment if more th	an two facilities
Disposal Facility Name: Disposal Facility Name: Disposal Facility Permit #:	
Disposal Facility Name: Disposal Facility Permit #: Will any of the proposed closed-loop system operations and associated activities	
Yes (If yes, please provide the information No.	uture service and operations?
the first impacted dreas which will not be used for firming	
La sackitti and Cover Design Specification - based many de	10446
Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 Site Reclamation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC	NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	
17 Siting Criteria (Regarding on site elegans and the	
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided for consideration of approval. Justifications and/or demonstrations of empropriate district office or may be considered an exception which must be submitted.	
certain siting criteria may requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provide for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	ed below. Requests regarding changes to
equired. Please refer to 19.15 17 10 NMAC to a second seco	to the Santa Fe Environmental Bureau office
Ground water is less than 50 feet below the bottom of the busined area.	
- NM Office of the State Engineer - iWATERS database search; USGS: Data obtained from nearby wells	Yes No
Ground water is between 50 and 100 feet below the bottom of the buried waste	
Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is more than 100 feet below the bottom of the buried water	∐N/A
NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within 300 feet of a continuously flowing watercourse as 200 c	□N/A
(measured from the ordinary high-water mark).	Yes No
- Topographic map: Visual inspection (certification) of the proposed site	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site: Aerial photocorpolities in	
- Visual inspection (certification) of the proposed site; Aerial photo: satellite image	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or an included a private of the second of the s	TYes TNo
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering -NM Office of the State Engineer - iWATERS database: Visual inspection consider the initial application.	
NM Office of the State Engineer - iWATERS database: Visual inspection (certification) of the proposed site	1
pursuant to NMSA 1978, Section 3-27-3 as appended	
written confirmation or verification from the municipality: Written approval obtained 6	Yes No
 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
Written confirantion or verification or map from the NM EMNRD-Mining and Mineral Division Within an unstable area.	Yes No
and	Yes No
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society;	Yes No
Topographic map Within a 100-year floodplain.	
- FEMA map	
18	Yes No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must bee attached to the closure state of the following items must be attached to the closure state of the closure state of the closure state of the closure state of the closure state	re plan. Please indicate
Siting Criteria Compliance Demonstrations - based upon the appropriate	rouse marcare,
The based upon the appropriate requirements of Co.	1
The state of Bullat Hench (II applicable) based upon the same	1
	1
Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (for a literature of the confirmation of the con	0.15.17.11 NMAC
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirement of a	
. The state and retain the state of the stat	1
Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	not be achieved)
Re-vegetation Plan - based upon the appropriate requirements of States and 19.13.17.13 NMAC	
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	

Form C 144

Operator Application I hereby certify that the in	Certification:			
Name (Print):	formation submitted with this application is true Crystal Tafoya			
Signature:	Criptal Isology	Title:	Regulatory Technician	
e-mail address:	Total lateyard conocophilips com		12/22/2008	
	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	Telephone:	505-326-9837	
OCD Representative S			OCD Conditions (see attachment) Approval Date: October	18, 2021
Title: Environ	mental Specialist	OCD Permit	Number: BGT 1	
report is required to be sub	red within 60 days of closure completion): e required to obtain an approved closure plan p omitted to the division within 60 days of the com, been obtained and the closure activities have be	rtor to implementing any closure i pletion of the closure activities. I een completed.	activities and submitting the closure report. The Please do not complete this section of the form to properly the section of the form the section of the	ie closure until an
22				
Closure Method: Waste Excavation a If different from app	nd Removal On-site Closure Metho proved plan, please explain.	d Alternative Closure Med	hod Waste Removal (Closed-loop syste	ms only)
Disposal Facility Name: Disposal Facility Name: Were the closed-loop syst Yes (If yes, please de Required for impacted art Site Reclamation (Ph Soil Backfilling and C Re-vegetation Applica	Cover Installation ation Rates and Seeding Technique	Disposal Facility Pern Disposal Facility Pern Disposal Facility Pern ned on or in areas that will not be No disposal facility Pern ned on or in areas that will not be	nit Number:nit Number:	
Proof of Closure No Proof of Deed Notic Plot Plan (for on-site	ament Checklist: Instructions: Each of the forms are attached. Strice (surface owner and division) The (required for on-site closure) The closures and temporary pits)	ollowing items must be attached t	o the closure report. Please indicate, by a che	ck mark in
Waste Material Sam Disposal Facility Nat Soil Backfilling and Re-vegetation Applic Site Reclamation (Ph	cation Rates and Seeding Technique noto Documentation)			
On-site Closure Loca	tion: Latitude:	Longitude:	NAD	33
erator Closure Certifica reby certify that the informa- closure complies with all ap ne (Print):	ntion: ution and attachments submitted with this closur opticable closure requirements and conditions sp	e report is ture, accurate and com pecified in the approved closure pl Title:		
		· ILIC.		
nature:		P		-
nature:		Date:		-

Form C-1 14

Oil Conservation Division

Pige 5 of 5

New Mexico Office of the State Engineer POD Reports and Downloads

	Township: 29N Range: 12W Sections:
N	AD27 X: Y: Zone: Search Radius:
County:	Basin: Number: Suffix:
Owner Name	: (First) (Last) C Non-Domestic C Domestic C All
POD /	Surface Data Report Avg Depth to Water Report Water Column Report
	Clear Form iWATERS Menu Help

WATER COLUMN REPORT 08/20/2008

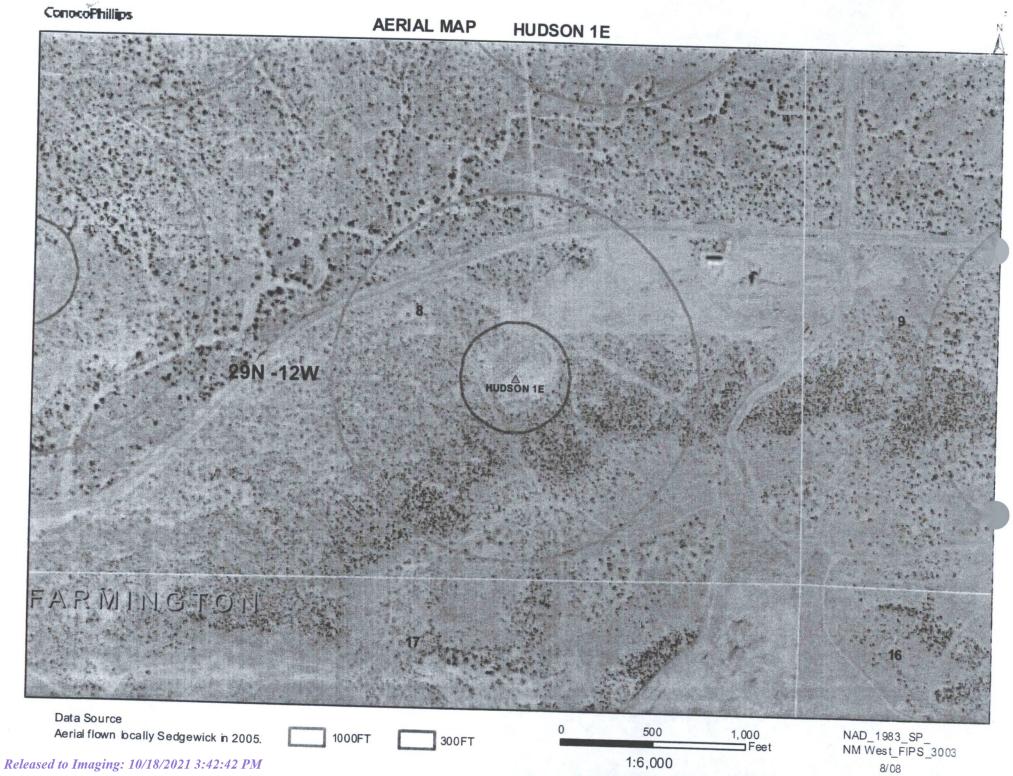
(9	quarte:	rs are	1=N	W 2	=NE	3=SW 4=SE)							
POD Number	marte:	rs are	big	ges	t to	smallest)			Depth	Depth	Water	(4-	feet)
RG 13104	Tws 29N	Rng S	ec	d d	a	Zone	X		Y	Well	Water	Column	(In	reet)
RG 42195	29N	12W 0 12W 0								70	35	35		
RG 27250	29N	12W 0		2 2	2					100	40	60		
RG 36980	29N	12W 0		L						85	40	45		
RG 42665	29N	12W 0		L						113	40	73		
SJ 03277	29N	12W 1		2						140	105	35		
SJ 01031	29N	12W 0		2 1	4					180	120	60		
SJ 01504	29N	12W 0		1						. 275	172	103		
SJ 02851	29N	12W 0		1	1					180	155	25		
SJ 03293	29N	12W 0								370	310	60		
SJ 00881	29N	12W 0		2						68	45	23		
SJ 03528	29N	12W 0			4					137	18	119		
SJ 01894	29N	12W 06			4					21	5	16		
SJ 01385	29N	12W 06			4					29	28	1		
SJ 03529	29N	12W 06			1					31	4	27		
SJ 03186	29N	12W 06			1					21	5	16		
SJ 01662	29N	12W 06		-	1					21	8	13		
SJ 00254	29N	12W 06			2					25	8	17		
SJ 03205	29N	12W 06		3	_					90	26	64		
SJ 01383	29N	12W 07			-					127	118	9		
SJ 00121	29N	12W 07		1						125	80	45		
SJ 03553	29N	12W 07			2.					160	90	70		
SJ 03061	29N	12W 07			2					150				
SJ 01566 CLW227534	29N	12W 08			2					280	180	100		
SJ 01566	29N	12W 08		1						105	60	45		
SJ 01839	29N	12W 10								105	60	45		
SJ 03410	29N	12W 11			4					212	175	37		
SJ 00548	29N	12W 14		1	T					75				
SJ 03414	29N	12W 14		1 2)	26526	56	2000000		180	60	120		
SJ 01510	29N	12W 15		4 3		40526	00	2086208	3	25				
SJ 03569		12W 15		1 2						155	75	80		
SJ 03370		12W 15		2 2						150				
			2	4 4	1					166	86	80		

SJ 03388			2W 1	5 2	2 2	2			150	0.0	
SJ 02070	2.		2W 19			4			159	80	79
SJ 00567			2W 19) 3	3 4	4			21 28	6	15
SJ 03564	29		2W 19		1 1	3			100	28	
SJ 03563	29		2W 19		1 1	3					
SJ 00657	29		2W 19	4	1	4			100 85	2.0	
SJ 03363	29		2W 19	4	3					38	47
SJ 01070	29		2W 19	4	3	1			19 38	3	16
SJ 03151	29		2W 19		3	1				14	24
SJ 03270	29		2W 19	4	3	2		,	50 43	2.4	
SJ 03255	29		2W 19	4	3	4			17	24	19
SJ 00952	29		W 19	4	4				76	5	12
SJ 03372	29		W 19	4	4	3			10	40	36
SJ 00338	29		W 20	3	3 :	3			28	2	8
SJ 02131 S	29		W 22	3	3 2	2			400	10	18
SJ 02363	29		W 22	4	4				300	105	
SJ 01597	29		W 24	3	2				40	185	115
SJ 02555	29		W 24	3	3				21	15	25
SJ 00400	291		W 24	3	4				83	6 35	15
SJ 03735 POD1	291		W 24	3	4 1				100	15	48
SJ 03507 SJ 03786 POD1	291		W 24	3	4 1				60	13	85
SJ 02082	_ 291		W 24	3	4 1		265819	2077065	35	11	24
SJ 00938	291		W 25	1	1				30	3	24 27
SJ 00706	_ 291		W 25	1	2				80	40	40
SJ 00652	_ 291 291		N 25	1	4				49	20	29
SJ 01322	291		W 25	1	4				42	20	22
SJ 00617	291		v 25	1	4				42	20	22
SJ 01466	291		v 25	1 2	4 3				47	20	27
SJ 00570	29N		V 25	3	4				27	14	13
SJ 03340	29N		V 25		3 3				36	18	18
SJ 03173	29N		1 25		4 2				45	12	33
SJ 03580	29N		1 25		4 4				60	10	50
SJ 00763	_ 29N		7 25		3				20	4	16
SJ 02132	29N	12W	25		3 1				60	20	40
SJ 02496	29N		26	1	1 4				40	12	28
SJ 03337	_ 29N		26	1	2 2				50	20	15
SJ 03339	_ 29N		26		2 2				50		
SJ 03338	_ 29N		26		2 2				50		
SJ 00777 SJ 01109	_ 29N	12W			1				47	20	0.77
SJ 01194	29N	12W			1 1				100	70	27 30
SJ 01954	29N	12W		2 4					38	12	26
SJ 01956	29N 29N	12W		3 1					55	20	35
SJ 03052	29N	12W 12W		3 1	_				50	18	32
SJ 01996	29N	12W		3 2					29	15	14
SJ 00112	29N	12W		3 4					75	17	58
SJ 01326	29N	12W		4 2					47	26	21
SJ 01802	29N	12W		4 2					50	27	23
SJ 00399	29N	12W			2				70	18	52
SJ 01802 POD2	29N	12W		4 2			265547	2072216	45	25	20
SJ 03789 POD1	29N	12W		4 2			265592	2072216	34	11	23
SJ 03325	29N	12W		4 4			203392	2072287	40	14	26
SJ 03327	29N	12W		4 4					45	14	-31
SJ 03104	29N	12W		4 4					95	70	25
SJ 03329	29N	12W			3				50		
SJ 03341	29N	12W		4 4					40	12	28
SJ 02169	29N	12W		_	_				50	4.0	
SJ 02058	29N	12W							36	19	17
									60	25	35

SJ 02118	291		1				29	6	22
SJ 02131	291		1 1				80	· ·	23
SJ 01590	291		1 3				63	30	33
SJ 02654	29N		1 3	1			62	32	30
SJ 00726	29N		1 3	1			50	30	20
SJ 03422	29N		1 3	2			41	31	10
SJ 01008	29N		1 3	3			51	20	31
SJ 00827	29N		1 3	3			55	30	25
SJ 01828	_ 29N		1 3	4		,	45	25	20
SJ 02870	29N		1 3	4			39	24	15
SJ 00666	29N		1 3	4			35	17	18
SJ 03384	29N		1 3	4			41	30	11
SJ 02041	_ 29N		2 3				37	8	29
SJ 02074 SJ 01643	_ 29N		2 3				60	25	35
SJ 02274	29N			4			65	30	35
SJ 03394	29N			4			47	22	25
SJ 01700	29N			4			59	15	44
SJ 00572	29N 29N		3 1				87	48	39
SJ 01728	29N	12W 27	3 1				35	28	7
SJ 01690	29N	12W 27 12W 27	3 1	1			25	11	14
SJ 00904	29N	12W 27	3 1 3 1				25	10	15
SJ 00901	29N	12W 27		1 3			32	14	18
SJ 03792 POD1	29N	12W 27	3 3		264670	0001010	32	15	17
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SJ 01133	29N	12W 27	4 1 4				27 24	13	14
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SJ 02047	29N	12W 28	4 2				40	25	15
SJ 02658	29N	12W 28	4 2 1				42	24	18
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SJ 02228	29N	12W 29	1				19	8	11
SJ 02299 SJ 00799	29N	12W 29	1 1 3				27	7	20
SJ 00786	29N	12W 29	1 1 4				20	8	12 ·
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SJ 01431	29N	12W 29 12W 29	1 1 4				15	5	10
SJ 03171	29N	12W 29	1 1 4 1 2 1				19	7	12
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SJ 00961	29N	12W 29	1 3 2				T /	17	
SJ 00966	29N	12W 29	1 3 3				18	2	1 -
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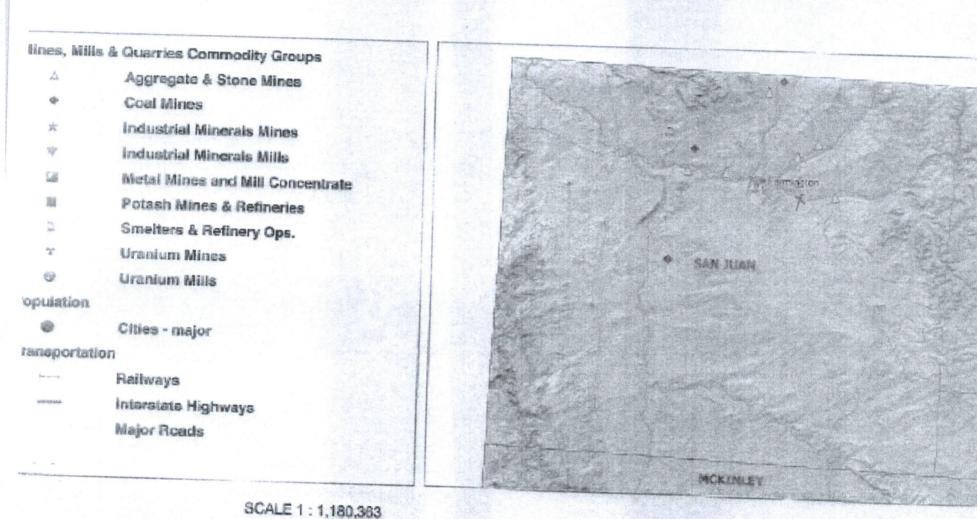
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SJ 01677	29N	12W	33	2			51		16
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SJ 03192	29N	12W	36	1	3	1	50		17
SJ 02830	29N	12W	36	1	4	1	50		Ε0
SJ 03299	29N	12W	36	2	4	3	20		50
SJ 03686 POD1	29N	12W	36	2	4	3	41	21	20
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SJ 02850	29N	12W	36	4	2	3	65	10	41
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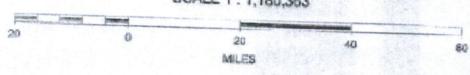
Record Count: 180



Mines, Mills and Quarries Web Map

Unit Letter: O, Section: 08, Town: 029N, Range: 012W





Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

HUDSON 1E

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'HUDSON 1E', which is located at 36.73713 degree North latitude and 108.11763 degree West longitude. This location is located on the Horn Canyon 7.5' USGS topographic quadrangle. This location is in section 8 of Township 29 North Range 12 West of the Public Land Survey System (New Mexico Principal Meridian). This location 15 located in San Juan County, New Mexico. The nearest town is Farmington, located 4.9 miles to the west. (National Atlas). The nearest highway is US Highway 64, located 2.1 miles to the south. The location is on January 2008. This location is in the Upper San Juan. Colorado. New Mexico, Sub-basin. This location is at this location is classified as Colorado Plateau Mixed Bedrock Canyon and Tableland as per the

The estimated depth to ground water at this point is 83 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 1,067 feet to the northwest and is classified by the USGS as an intermittent stream. The nearest perennial stream is 2,814 feet to the east. The nearest water body is 2,784 feet to the east. It is classified by the USGS as an intermittent lake and is 0.3 acres in size. The nearest spring is 14,298 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 3,591 feet to the west. The nearest wetland is a 35.2 acre Ravine located 9,138 feet to the northwest. The slope at this location is 6 degree to the north 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 'Haplargids-Blackston-Torriorthents complex, very steep' 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 8.1 miles to the southwest 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

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 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 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 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 for the Animas or Nacimiento Formations is domestic and livestock supplies. There are no known aquifer tests 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, 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 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 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
- 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
- 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

- 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 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 normal operating procedures is in the closed position. The tank drain line is also 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 for UV resistance in exposed applications. The J45BB is reinforced with 1300 standard by 10%. J45BB has a warranty for 20 years from Raven Industries and 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.

ConocoPhillips

San Juan Business Unit

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

FOUNDATION VOID OF ANY SHARP DBJECTS

PROPERTIES	TEST METHO	Carlos Carlos	J3088	1	J3688	The state of the s	J4588	
Appearance		Min. Roll Averages	Min. Roll Typical Roll Averages Averages		Roll Typical F ges Average	Roll Min. Rol	Typical Rol	
Thickness	1071	Bla	ack/Black		Black/Black	- I ago	Averages ack/Black	
Weight Lbs Per MSF	ASTM D 5199	27 mil	30 mil	32 m	il 36 mil			
(oz/yd²)	ASTM D 5261	126 lbs (18.14)	140 lbs (20.16)	151 lb			45 mil	
Construction				(21.74		(27 24)	100	
Ply Adhesion	ASTM D 413	16 lbs	20 lbs	ed with encap	sulated tri-direc	tional scrim reinf	orcement	
1" Tensile Strength			20 108	19 lbs	24 lbs	25 lbs	31 lbs	
The Santa	ASTM D 7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf M 70 lbf D		THE TOT IN	TIME TO THE	
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	
1" Tensile Elongation @	ASTM D 7003	20 MD		550 DD	750 DD	550 DD	750 MD 750 DD	
Peak % (Scrim Break)	ASTM D 7003	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 MC 75 lbf DC	TIM INIT	100 lbf MD	117 lbf MD	
Grab Tensile	ASTM D 7004	180 lbf MD	218 lbf MD		32 101 00	100 lbf DD	118 lbf DD	
	7004	180 lbf DD	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	CINI INI	160 lbf MD	193 lbf MD	
Dimensional Stability	ASTM D 1204	<1	<0.5	130 lbf DD	172 lbf DD	160 lbf DD	191 lbf DD	
Puncture Resistance	ASTM D 4833	50 lbf	64 lbf	<1	<0.5	<1	<0.5	
laximum Use Temperature		180° F	180° F	65 lbf	83 lbf	80 lbf	99 lbf	
Minimum Use Temperature		-70° F		180° F	180° F	180° F	180° F	
D = Machine Direction D = Diagonal Directions		.0 1	-70° F	-70° F	-70° F	-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 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

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 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 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.

Bu. ...gton 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 walls at 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 twenty-four (24) hours of discovery of leaks greater than 25 barrels. In addition, 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:

- 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 included in Paragraph (5) 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 danger to fresh water, public health or the environment. For any closure, BR will file
- 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.
- 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

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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 54949

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	54949
	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 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)	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.
I	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.

Operator Application Certification	
Registered / Signature Date	Not answered.

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ACKNOWLEDGMENTS

Action 54949

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1111 Travis Street	Action Number:
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	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

ACKNOWLEDGMENTS

1	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.	

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CONDITIONS

Action 54949

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CONDITIONS

Created By	Condition	Condition Date
cwhitehead	None	10/18/2021