Received by OCD: 11/7/2021 8:43:18 AM

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

District IV

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

State of New Mexico Energy Minerals and Natural Resources Department

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



Form C-144 July 21, 2008

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

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

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

X Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Type of action: Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit BGT 1 Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

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

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibili

Facility or well name: HUBBELL 5E API Number: 3004524056 OCD Permit Number: U/L or Qtr/Qtr: F Section: 17 Township: 29N Range: 10W County: San Juan Center of Proposed Design: Latitude: 36.72876°N Longitude: 107 010338W	Address: Burlington Resources Oil & Gas Company, LP PO Box 4289, Farmington, NM 87499	OGRID#: 14538
API Number: Section: 17 Township: 29N Range: 10W County San Juan	Facility or well name: HUBBELL 5E	
Pit: Subsection F or G of 19.15.17.11 NMAC Temporary:	API Number: 3004524056 U/L or Qtr/Qtr: F Section: 17 Township: 29N Center of Proposed Design: Latitude: 36.72876°N Surface Owner: X Federal State Private T	Range: 10W County: San Juan Longitude: -107.91022°W NAD: VI 1927 Line
Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDPE PVD Other X Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: 120 bbl Type of fluid: Produced Water Tank Construction material: Metal Secondary containment with leak detection X Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other Alternative Method:	Temporary: Drilling Workover Permanent Emergency Cavitation P&A Lined Unlined Liner type: Thickness mil String-Reinforced Liner Seams: Welded Factory Other	
Volume: 120 bbl Type of fluid: Produced Water Tank Construction material: Metal Secondary containment with leak detection X Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other Liner Type: Thickness mil HDPE PVC X Other Unspecified Alternative Method:	Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: P&A Drilling a new well Workover or notice of interpretation. Drying Pad Above Ground Steel Tanks Haul-off Bins Lined Unlined Liner type: Thickness mil	Drilling (Applies to activities which require prior approval of a permit or other
	Volume:	6-inch lift and automatic overflow shut-off
Switter I C Environmental Russes AE: - P		Santa Fe Environmental Duran est

Oil Conservation Division

12/22/2008

Form C 144

	Pite Francisco IV.
Instructions: 1	Pits, Emergency Pits and below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC begoologic Report (Below-grade Tanks) - based upon the requirements of Personal Research of the box, that the documents are attached.
X Hydro	geologic Report (Below-grade Tanks), based upon the
Hydro	ogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
X Siting	geologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Criteria Compliance Demonstrations - based upon the appropriate appropriate providers and the properties of the properties appropriate providers and the properties and the properties are providers and the providers and
£	appropriate requirements of 10.15.17.11 NMAAG
X Closure	ing and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
19.15	e Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of
Previously	Appeared D
	Approved Design (attach copy of design) API or Permit
Closed-loop S	
Instructions: Ec	Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Geologi	ic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (2), 5.6.1.
Siting C	ic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
Design	Priteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.19 Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
Operation Operation	Plan - based upon the appropriate requirements of 19.15.17.10 NMAC
Closure	ng and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
NMAC	Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 and 19.15.17.13 NMAC
Previously A	and 19.15.17.13 NMAC
Demoison by A	Approved Design (attach copy of design) API
A	approved Operating and Maintenance Plan API
13	
Permanent Pits	s Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
	of the following tiems must be attached to the application. Plant it is
Hydroged	ch of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Iteria Compliance Demonstrations based upon the requirements of Paragraph (I) of Subsection B of 19.15.17.9 NMAC
Siting Cri	iteria Compliance Demonstrations - based upon the
Climatolo	gical Factors Assessment
Certified	Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
Leak Dete	ction Design - based upon the appropriate requirements of 19.15.17.11 NMAC
because I	and Compatibility Assessment based
Operating	ontrol/Quality Assurance Construction and Installation Plan
Freeboard	and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
	and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.12 NMAC r Hazardous Odors, including H2S, Prevention Plan
	Response Plan
Oil Field W	/aste Stream Characterization
Monitoring	and Inspection Plan
Erosion Con	atrol Plan
Closure Plan	n - based upon the appropriate requirements of S. I.
	n - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
oposed Closure	10.15.17.12.504.0
tructions: Please	complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.
e: Drilling	Workover Emergency Cavitation P&A Permanent Pit V Polary A T
Alterna	tive A Below-grade l'ank Closed-loop System
posed Closure M	ethod: V Worts Francis
	(Below-Grade Tank)
	Waste Removal (Closed-loop systems only)
	Waste Removal (Closed-loop systems only)
	Waste Removal (Closed-loop systems only) On-site Closure Method (only for temporary pits and closed-loop systems)
	Waste Removal (Closed-loop systems only) On-site Closure Method (only for temporary pits and closed-loop systems) In-place Burial On-site Trench
	Waste Removal (Closed-loop systems only) On-site Closure Method (only for temporary pits and closed-loop systems) In-place Burial On-site Trench
	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 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)
ste Excavation 2	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) and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be extended to the standard of the control of the following items must be extended to the standard of the
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ste Excavation asse indicate, by a c Protocols and Confirmation	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) and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Sampling Plan (if applicable) - based upon the
ste Excavation as indicate, by a c Protocols and Confirmation Disposal Facil	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) and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC ity Name and Permit Number (for liquide delivered)
ste Excavation as indicate, by a confirmation of Disposal Facil Soil Backfill as	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) and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC ity Name and Permit Number (for liquids, drilling fluids and drill cuttings) and Cover Design Specifications - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
ste Excavation : se indicate, by a c Protocols and Confirmation Disposal Facil Soil Backfill a	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) and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Sampling Plan (if applicable) - based upon the

form C-144

ln .		
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Sustrictions: Please identify the facility or facilities for the disposal of liquids, drill are required.	Stool Tout	
Instructions: Please identify the facility or facilities for the disposal of liquids, drill Disposal Facility Name. Disposal Facility Name.	ing fluids and drill cuttings. Use attachment if	MAC)
Disposal Facility Name:	and the more me	III Iwo facilities
i acting Name:		
Will any of the proposed closed-loop system or	Disposal Facility Permit #:	
Will any of the proposed closed-loop system operations and associated activities Yes (If yes, please provide the information No Required for impacted array which will not be a constant.)	ties occur on or in areas that will not be used for fi	ifure service and an it is
Re-vegetation Plan - based upon the appropriate requirements of Subs Site Reclamation Plan - based upon the appropriate requirements of Subs	ection Lof 19.15.17.13 NMAG	NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subs	absection G of 19.15.17.13 NMAC	
17		
Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMA Instructions: Fach string criteria requires a demonstration.	C	
certain suine criteria man experience de de destrutto of compliance in the closure plan	Recommendation	
Instructions: Each string criteria requires a demonstration of compliance in the closure plan. certain string criteria may require administrative approval from the appropriate district office for consideration of approval. Justifications and/or demonstrations of equivalency are required Ground water is less than 50 feet below the	or may be considered an exception which must be submitted	d below. Requests regarding changes
Ground water is less than 50 feet below the bottom of the buried waste.	a. Flease refer to 19.15.17.10 NMAC for guidance.	me minde re Environmental Bureau
NM Office of the State Engineer - iWATERS database search; USGS: Data obta		Yes No
Ground water is between 50 1100 a	nned from nearby wells	N/A
Ground water is between 50 and 100 feet below the bottom of the buried waste		
office of the State Engineer - (WATERS database search; USGS; Data obtain	ned from nearby wells	Yes No
bround water is more than 100 feet below the bottom of the buried		□N/A
NM Office of the State Engineer - iWATERS database search; USGS; Data obtain the buried waste. Within 100 S		Yes No
Vithin 300 feet of a continuously flowing materials	ned from nearby wells	I □N/A
Vithin 300 feet of a continuously flowing watercourse, or 200 feet of any other significant the ordinary high-water mark).	int watercourse or lakebed, sinkhole, or playa lake	
- Topographic map: Visual inspection (certification) of the proposed site	p.myu mke	Yes No
fithin 300 feet from a permanent residence, school, hospital, in the		
/ithin 300 feet from a permanent residence, school, hospital, institution, or church in ex- - Visual inspection (certification) of the proposed site; Aerial photo: satellite image	istence at the time of initial application.	Yes No
parties and mage		Lites Lino
fithin 500 horizontal feet of a private, domestic fresh water well or spring that less than proses, or within 1000 horizontal fee of any other fresh water well or spring, in existen		Yes No
irposes, or within 1000 horizontal fee of any other fresh water well or spring that less than NM Office of the State Engineer - iWATERS database; Visual inspection (certificate)	five households use for domestic or stock watering	
The of the state Ellpineer - IWATEDE I	and think of the initial application	
rsuant to NMSA 1978, Section 3-27-3, as amended	field covered under a municipal ordinarea.	
then committation or verification from the municipality. Written and the committee of the c	r a standard adopted	Yes No
ithin 500 feet of a wetland	of from the municipality	
 US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspectition the area overlying a subsurface mine. 	On (comification	Yes No
thin the area overlying a subsurface mine.	on (certification) of the proposed site	
- Written confiramtion or verification or map from the NM EMNED Minimum	ral Division	Yes No
Fingineering measures incorporated into the design; NM Bureau of Geology & Minera	Resources HSCS NA C	Yes No
hin a 100-year floodplain.	Resolutes, OSOS; NM Geological Society;	
FEMA map		
		Yes No
Site Closure Plan Checklist: (19.15.17.13.NA.1.6		
Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the check mark in the box, that the documents are attached.	e following items must bee attached to the closure	nlan Plages in ti
Siting Criteria Compliance Demonstrations - based upon the appropriate requ		prom reuse inaicate,
Proof of Surface Owner Notice - based upon the appropriate requ	irements of 19.15.17.10 NMAC	
Proof of Surface Owner Notice - based upon the appropriate requirements of Construction/Design Plan of Burial Trench (if and the state of the state	Subsection F of 19.15.17.13 NMAC	
or out at Tiellell (II applicable) based upon the		
Construction/Design Plan of Temporary Pit (for in place burial of a drying pacture) Protocols and Procedures - based upon the appropriate requirements of 19.15.	l) - based upon the appropriate requirements of to	15 17 11 111
Protocols and Procedures - based upon the appropriate requirements of 19.15.	17.13 NMAC	15.17.11 NMAC
bamping Fian (II applicable) - based upon the appropriate room		
Soil Cover Design - based upon the appropriate requirements of Subsection H Re-vegetation Plan - based upon the appropriate requirements of Subsection H	of 10.15.17.12.22	ot be achieved)
Re-vegetation Plan - based upon the appropriate requirement	19.19.17.15 NMAC	
Site Reclamation Plan - based upon the appropriate requirements of Subsection I of		

Form C-144

Name (Print):	information submitted with this application is true, . Crystal Tafoya	1	e test of my knowledge and belief.
Signature:		Title:	Regulatory Technician
e-mail address:	Criptal Dajaya	Date:	12/22/2008
	्रत्राचा lafoya श्र conocophillips com	Telephone:	505-326-9837
20			
OCD Approval:	Permit Application (including closure plan)	7 (7 %)	
OCD Representative S	Signature:CRWhitehe	Gosure Plan (only)	OCD Conditions (see attachment)
		ad	Approval Date: November 9, 202
Title: Environ	mental Specialist	OCD Porm	November 3, 202
21		- COTEIN	nit Number: BGT 1
Closure Report (requi	red within 60 days of al-		
Instructions: Operators ar	red within 60 days of closure completion): Sure required to obtain an approved closure plan prior	hsection K of 19.15.17.13 NMAC	re activities and submitting the closure report. The closure
approved closure plan has	bmitted to the division within 60 days of the complet	to implementing any closus ion of the closure activities	re activities and submitting the closure report. The closure
- piun nas	ocen obtained and the closure activities have been of	completed.	re activities and submitting the closure report. The closure . Please do not complete this section of the form until an
			Completion Date:
22 Classes M. d.			parties.
Closure Method:			
Waste Excavation a		Alternative Closure M	lethod Dw
ii different from app	proved plan, please explain.	Closule N	dethod Waste Removal (Closed-loop systems only)
23			
Josure Report Regarding	Waste Removal Closure For Closed Joan State	The Avier	
nstructions: Please identify	Waste Removal Closure For Closed-loop Systems the facility or facilities for where the liquids, drill	ing fluids and till	and Steel Tanks or Haul-off Bins Only:
Disposal Facility Name:	englist, artic		ind Steel Tanks or Haul-off Bins Only: s were disposed. Use attachment if more than two facilities
outposair ractiffy Name:			
Disposal Facility No.		Disposal Facility Pe	rmit Number
Disposal Facility Name:		Disposal Facility Pe	rmit Number:
Were the closed-loop system	em operations and associated activities performed o	Disposal Facility Per Disposal Facility Per n or in areas that will not b	rmit Number:
Were the closed-loop system Yes (If yes, please det	em operations and associated activities performed o monstrate complilane to the items below)	Disposal Facility Per n or in areas that will not b	rmit Number: rmit Number: e used for future service and opeartions?
Were the closed-loop syste Yes (If yes, please det Required for impacted are	eas which will not be used 6	Disposal Facility Per n or in areas that will not b	rmit Number: rmit Number: e used for future service and opeartions?
Were the closed-loop syst Yes (If yes, please determined for impacted are Site Reclamation (Pho	eas which will not be used for future service and ope	Disposal Facility Per n or in areas that will not b	rmit Number: rmit Number: e used for future service and opeartions?
Were the closed-loop syst Yes (If yes, please determined for impacted are Site Reclamation (Photology) Soil Backfilling and C	eas which will not be used for future service and ope to Documentation) Cover Installation	Disposal Facility Per n or in areas that will not b	rmit Number: rmit Number: e used for future service and opeartions?
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Form C-14

Oil Conservation Division

Page 5 of 5

New Mexico Office of the State Engineer POD Reports and Downloads

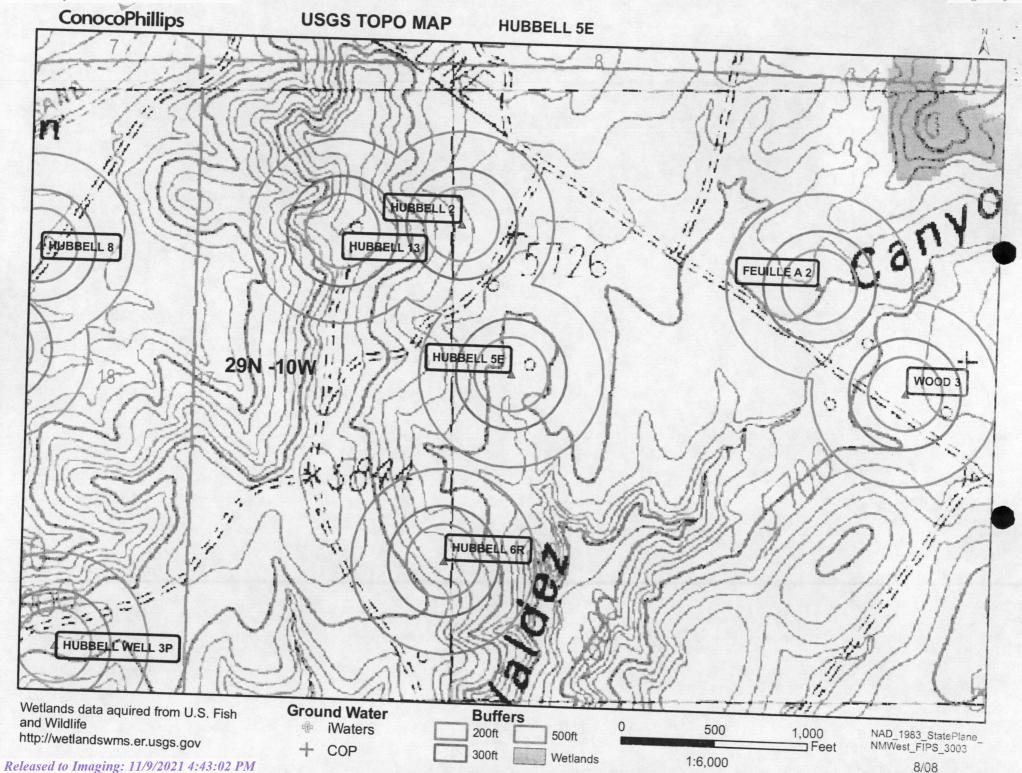
Township: 29N Ra	inge: 10W Sections:
NAD27 X:	Y: Zone: Search Radius:
County: Basin:	Number: Suffix:
Owner Name: (First)	(Last) C Non-Domestic C Domestic © Al
POD / Surface Data Report	Avg Depth to Water Report Water Column Report
Cle	ar Form iWATERS Menu Help

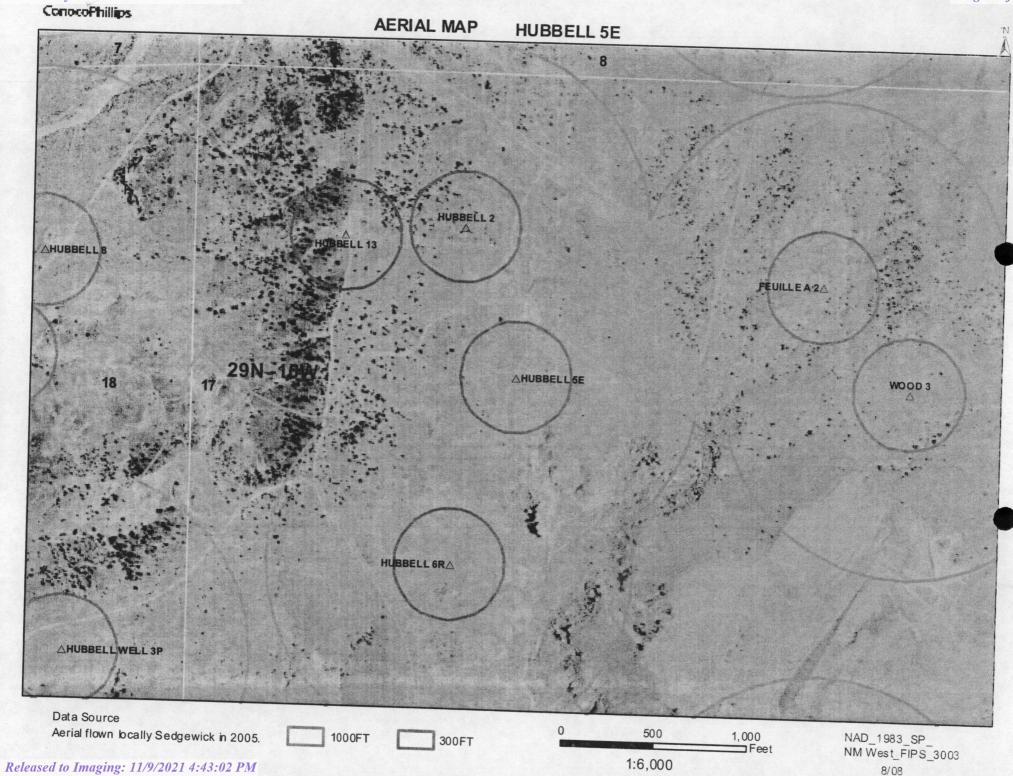
WATER COLUMN REPORT 08/20/2008

POD Number	(quarte	Rng :	Sec	~					Depth	Depth	Water	(in fe	20+
RG 36732 DCL	29N	10W 2	25	2	य त्	Zone	Х	Y	Well	Water	Column	, 16	-60
SJ 00785 S	29N				1 2				500	450	50		
SJ 00680	29N			2 2					20				
SJ 00785 NEW	29N			4	•				40	10	30		
SJ 00785 S-2	29N			4					60	20	40		
SJ 03023	29N			1 3	1				60	20	40		
SJ 03502	29N	10W 1		1 3					90	65	25		
SJ 03081	29N	10W 1			4				150				
SJ 02078	29N	10W 1		3 1					20				
SJ 00303	29N	10W 1		3 3	_				40	9	31		
J 02860	29N	10W 1			4				20	5	15		
J 02900	29N	10W 2		1					21	2	19		
J 01140	29N	10W 2			2				70				
J 01990	29N	10W 2		1	۷				25	6	19		
J 02548	29N	10W 2		4					40	12	28		
J 02547	29N	10W 2		4					12	2	10		
J 03535	29N	10W 2	PURE TO THE PROPERTY OF THE PARTY OF THE PAR		2				12	2	10		
J 03455	29N	10W 2							15				
J 03456	29N	10W 21							20	17	3		
J 03441	29N	10W 21							20	17	3		
J 03470	29N	10W 21		3					40	30	10		
J 01474	29N	10W 21		4	4				20	7	13		
J 03180	29N	10W 21		4	1				25				
J 03713 POD1	29N	10W 21		3	4				50	15	35		
02820	29N	10W 23			1				265	20	245		
7 02896	29N	10W 24			1				82	16	66		
02275	29N	10W 24			1				110	34	76		
00092	29N	10W 24	Mary Control		2				40	20	20		
02802	29N	10W 24			2				33		20		
02907	29N	10W 24			2				132	30	102		
02122	29N 29N			2	3				60		102		
01019		10W 25	4						60	12	48		
	29N	10W 26	4	3	3				50	4	46		

SJ	01056	29N	10W 27	2	2							
SJ	02216	29N	21	1						50	31	19
SJ	03582	29N	10W 28	1	2					30	7	23
SJ	02151	29N	10W 28	2		3				10	4	6
SJ	03652	29N	10W 28	2		2	M	484600	2075600	37	20	17
SJ	03142	29N	10W 28	2	2	7				34	6	28
	03637	29N	10W 28	2	3	1				38	22	16
	03582 POD2	29N	10W 28			3				21	10	11
	02840	29N	10W 28	3		1				28	5	23
	00506	29N	10W 28		3	1				55	32	23
	00662	29N	10W 28	4	4	2				78	55	23
	00497	29N	10W 29		2					93	70	23
	03777 POD1	29N	10W 29	4	4	2				85	35	50
	00473	29N	10W 30	2	4	4		270344	2071311	100	50	50
	03743 POD1	29N	10W 33	4	4	3				58	10	48
	01051	29N	10W 35		2					490	140	350
SJ (01050	29N	10W 36		4	4				90	30	60
D	ord Count			-	7					85	38	47

Record Count: 49

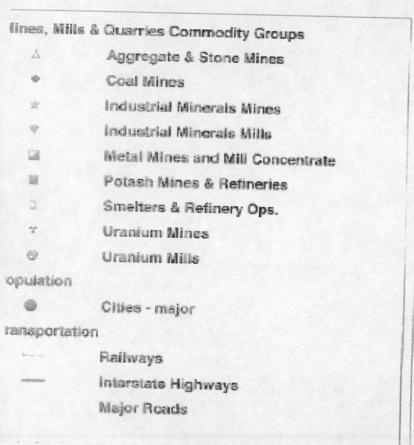


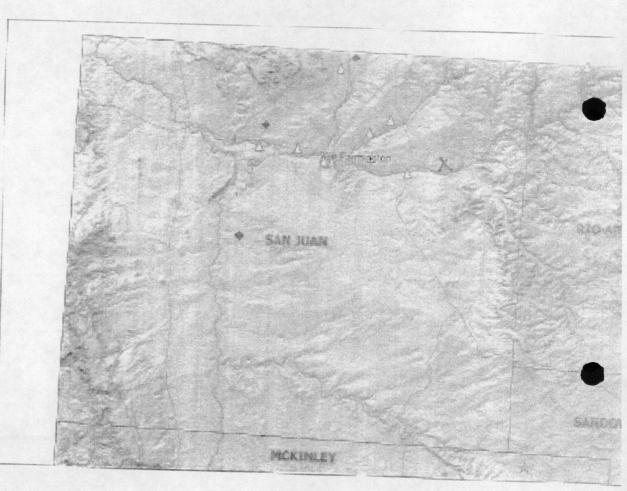


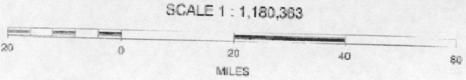
Mines, Mills and Quarries Web Map

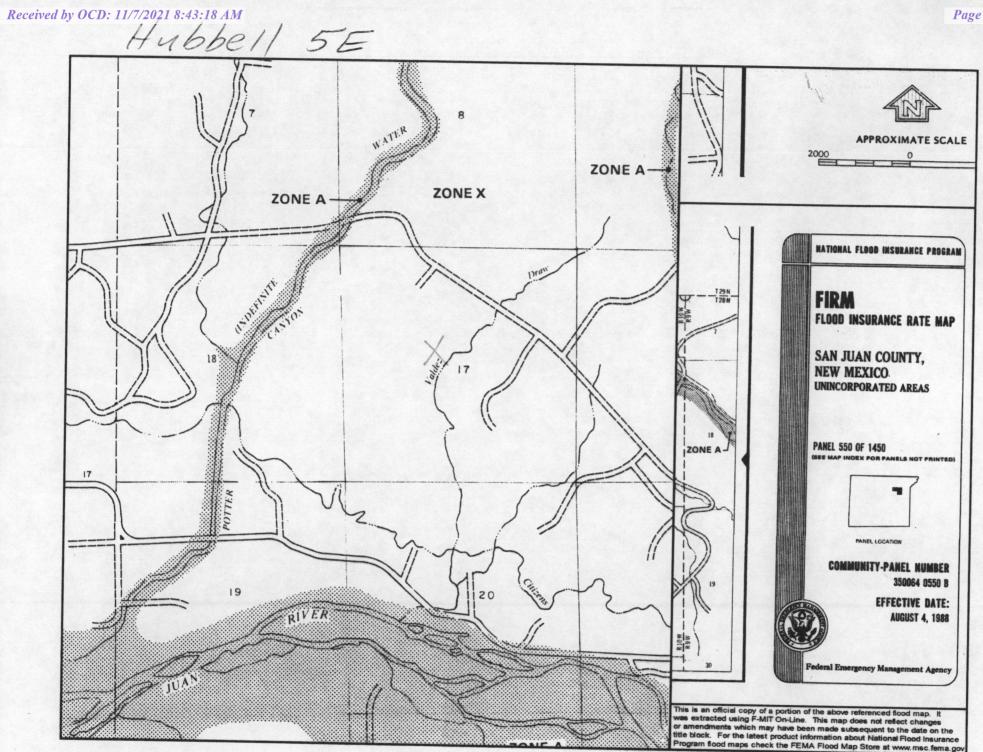
HUBBELL 5E

Unit Letter: F, Section: 17, Town: 029N, Range: 010W









HUBBELL 5E

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'HUBBELL 5E', which is located at 36.72876 degrees North latitude and 107.91022 degrees West longitude. This location is located on the Bloomfield 7.5' USGS topographic quadrangle. This location is in section 17 of Township 29 North Range 10 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 Bloomfield, located 4.4 miles to the west. The nearest large town (population greater than 10,000) is Farmington, located 16.4 miles to the west (National Atlas). The nearest highway is US Highway 64, located 1.1 miles to the south. The location is on BLM land and is 1,177 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Upper San Juan. Colorado. New Mexico, Sub-basin. This location is located 1736 meters or 5694 feet above sea level and receives 10 inches of rain each year. The yegetation at this location is classified as Colorado Plateau Mixed Bedrock Canyon and Tableland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 234 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 932 feet to the southeast and is classified by the USGS as an intermittent stream. The nearest perennial stream is 3,688 feet to the southwest. The nearest water body is 3,688 feet to the southwest. It is classified by the USGS as a perennial lake and is 5.9 acres in size. The nearest spring is 3,759 feet to the west. 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 4,829 feet to the west. The nearest wetland is a 0.4 acre Freshwater Emergent Wetland located 3,679 feet to the southwest. The slope at this location is 3 degrees to the southeast 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 16.2 miles to the north as indicated on the Mines, Mills and Quarries Map of New

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 shales, whereas in many places the strata actually are poorly consolidated sandstones.

Total thickness of the Nacimiento Formation ranges from about 500 to 1,300 feet. The unit generally thickens from the basin margins toward the basin center (Steven et al., 1974). The sandstone deposits within the Nacimiento Formation are much thinner than the total thickness of the formation because their environment of deposition was localized stream channels (Brimhall, 1973, p. 201). The thickness of the combined San Jose, Animas, and Nacimiento Formations ranges from 500 to more than 3.500 feet.

Hydraulic Properties:

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

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

References:

Baltz, E.H., 1967, Stratigraphy and regional tectonic implications of part of Upper Cretaceous rocks, east-central San Juan Basin, New Mexico: USGS Professional Paper 552, 101 p.

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

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

Fassett, J.E., and Hinds, J.S., 1971, Geology and fuel resources of the Fruitland Formation and Kirtland Shale of the San Juan Basin, New Mexico and Colorado: USGS Professional Paper 676, 76 p. Levings, G.W., Craigg, S.d., Dam, W.L., Kernodle, J.M., and Thorn, C.R., 1990, Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan structural basin, New Mexico, Colorado, Arizona, and Utah: USGS Hydrologic Investigations Atlas HA-720-A, 2 sheets.

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

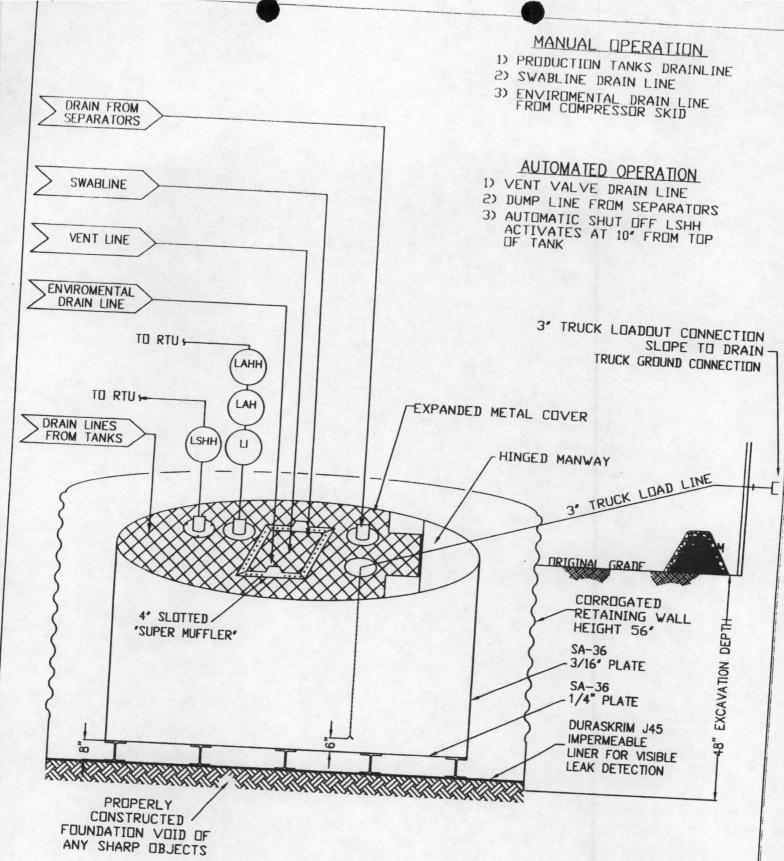
Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Design and Construction

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

General Plan:

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

- 9. BR has equipped the below-grade tanks with the ability to detect high level in the tank and provide alarm notification and shutdown process streams into the tank. Once high level is detected RTU logic closes the inlet separator sales valve and does not permit vent valve to open. This shutdown of the sales valve and gagging of the vent valves prevents any hydrocarbon process streams from entering the pit tank once a high level is detected. Furthermore, an electronic "Water-Hauling" Company indicating a high level and to the designated contract address this alarm. The environmental drain line from BR's compressor skid under normal operating conditions is in the open position. The environmental our compressor skids. The swab drain line is a manually operated drain and by a manually operated drain and during normal operations it is in the closed position.
- 10. The geomembrane liner consists of a 45-mil flexible LLDPE material manufactured by Raven Industries as J45BB. This product is a four layer reinforced laminated containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. The J45BB is reinforced with 1300 denier (minimum) tri-directional scrim reinforcement. It exceeds ASTMD3083 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.
- 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

State of the State	TEST METHO	D	J30BB	A STATE OF THE STA		72 11.2		
		Min. Roll			136BB		J45BB	
Appearance		Averages	Averages	Min. Ro Average:	Typical Ross S Averages		Typical Ro	
Thickness			ack/Black		ack/Black	- wordges	Averag	
The state of the s	ASTM D 5199	27 mil	30 mil	32 mil		Bla	ick/Black	
Weight Lbs Per MSF (oz/yd²)	ASTM D 5261	126 lbs	140 lbs	1	36 mil	40 mil	45 mi	
Construction		(18.14)	(20.16)	151 lbs (21.74)	168 lbs (24.19)	189 lbs	210 lb	
Ply Adhesion		**Ex	trusion laminate	ed with encape	(24.19)	(27.21)	(30.24	
, , , allesion	ASTM D 413	16 lbs	20 lbs	10.11	ulated tri-direction	onal scrim reinfo	rcement	
1" Tensile Strength	ASTM D 7003	88 lbf MD	+	19108	24 lbs	25 lbs	31 lbs	
	731W D 7003	63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD	113 lbf MD	110 lbf MD 84 lbf DD	138 lbf N	
1" Tensile Elongation @ Break % (Film Break)	ASTM D 7003	550 MD	-	70 lbf DD	87 lbf DD		105 lbf D	
The state of the s	ASTM D 7003	550 DD	750 MD 750 DD	550 MD 550 DD	750 MD	550 MD	750 MD	
1" Tensile Elongation @ Peak % (Scrim Break)	ASTM D 7003	20 MD	33 MD		750 DD	550 DD	750 MD	
	7003	20 DD	33 DD	20 MD 20 DD	30 MD	20 MD	36 MD	
Tongue Tear Strength	ASTM D 5884	75 lbf MD	97 lbf MD	 	31DD	20 DD	36 DD	
		75 lbf DD	90 lbf DD	75 lbf MD 75 lbf DD	104 lbf MD 92 lbf DD	100 lbf MD	117 lbf MD 118 lbf DD	
Grab Tensile	ASTM D 7004	180 lbf MD	218 lbf MD			100 lbf DD		
		180 lbf DD	210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD	257 lbf MD	
rapezoid Tear	ASTM D 4533	120 lbf MD	146 lbf MD			220 lbf DD	258 lbf DD	
Dimensional Stability		120 lbf DD	141 lbf DD	130 lbf MD 130 lbf DD	189 lbf MD 172 lbf DD	160 lbf MD	193 lbf MD	
uncture Resistance	ASTM D 1204	<1	<0.5	<1		160 lbf DD	191 lbf DD	
	ASTM D 4833	50 lbf	64 lbf	65 lbf	<0.5	<1	<0.5	
aximum Use Temperature		180° F	180° F		83 lbf	80 lbf	99 lbf	
inimum Use Temperature		-70° F		180° F	180° F	180° F	180° F	
= Machine Direction = Diagonal Directions			-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 *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 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 equipment or people; improper site preparation or covering materials, excessive pressures or stresses from any source or improper consumer as defined in the Magnuson Moss Warranty or any similar federal, state, or local statues. The parties expressly agree

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

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

In the event the exclusive remedy provided herein fails in its essential purpose, and in that event only, the Purchaser shall be entitled to a return of the purchase price for so much of the material as Raven Industries Inc. determines to have violated the warranty provided herein. Raven Industries Inc. shall not be liable for direct, indirect, special, consequential or incidental damages property damage. Raven Industries Inc. shall not be obligated to reimburse Purchaser for any repairs, replacement, modifications made by Purchaser unless Raven Industries Inc. specifically authorized, in writing, said repairs, replacements, exceed the replacement cost of the material sold to the Purchaser for the particular installation in which it failed.

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

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

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

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

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

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

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

General Plan:

- BR will operate and maintain a BGT to contain liquids and solids and maintain the integrity of the liner, liner system and secondary containment system to prevent contamination of fresh water and protect public health and environment. BR will accomplish this by performing an inspection on a monthly basis, installing cathodic protection, and automatic overflow shutoff devices as seen on the
- 2. BR will not discharge into or store any hazardous waste in the BGT.
- 3. BR shall operate and install the below-grade tank to prevent the collection of surface water run-on. BR has built in shut off devices that do not allow a belowleast 6" above ground to keep from surface water run-on entering 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 required pursuant to Subsection B of 19.15.3.116 NMAC shall be reported within immediate verbal notification pursuant to Subsection B, Paragraph (1), and 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 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
- 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 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 300.1 or other 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.
- 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 the following:
 - i. Operator's name
 - Location by Unit Letter, Section, Township, and Range. Well name and API number.
- The surface owner shall be notified of BR's closing of the below-grade tank prior to closure as per the approved closure plan via certified mail, return receipt requested.
- 10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 11. BR shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally jurisdicted lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. BR will repeat seeding or planting will be continued until successful vegetative growth occurs.
- 12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the belowgrade tank. Closure report will be filed on C-144 and incorporate the following:
 - Soil Backfilling and Cover Installation
 - Re-vegetation application rates and seeding techniques
 - Photo documentation of the site reclamation
 - Confirmation Sampling Results
 - Proof of closure notice

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 60592

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	60592
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

QUESTIONS

acility 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	Hubbell 5E					
Facility ID (f#), if known	Not answered.					
Facility Type	Below Grade Tank - (BGT)					
Well Name, include well number	Hubbell 5E					
Well API, if associated with a well	3004524056					
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)	234					
Ground Water Impact	Not answered.					
Ground Water Quality (TDS)	Not answered.					

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

Fencing				
Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade 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)	4' hogwire			

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

Signs

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

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

Variances and Exceptions	
Justifications and/or demonstrations ofequivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank:	
Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.	True
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	Not answered.

Siting Criteria (regarding permitting)

19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

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

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

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

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

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ACKNOWLEDGMENTS

Action 60592

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1111 Travis Street	Action Number:
Houston, TX 77002	60592
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

ACKNOWLEDGMENTS

ſ	√	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.	
	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 60592

CONDITIONS

Operator:	OGRID:
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	Action Type:
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CONDITIONS

Created By	Condition	Condition Date
cwhitehead	None	11/9/2021