District*

1625 N. French Dr., Hobbs, NM 88240

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

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

Form C-144

July 21, 2008

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
Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
Modification to an existing permit
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 responsibility to comply with any other applicable governmental authority's rules, regulations or ordinance.

environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules	s, regulations or ordinances.
Operator: Burlington Resources Oil & Gas Company, LP OGRID#: 14538	
Address: PO Box 4289, Farmington, NM 87499	
Facility or well name: DUFF GAS COM 1E	
API Number: OCD Permit Number:	
U/L or Qtr/Qtr: G Section: 34 Township: 30N Range: 12W County: Sa	
Center of Proposed Design: Latitude: 36.7715°N Longitude:108.08111°W	NAD: X 1927 1983
Surface Owner: Federal State X Private Tribal Trust or Indian Allotment	
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 HDPE PVC C String-Reinforced Liner Seams: Welded Factory Other Volume: bbl Dimensions L	Other x W x D
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 notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDPE PVD Other Liner Seams: Welded Factory Other	
X Below-grade tank: Subsection I of 19.15.17.11 NMAC	
5 Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for	or consideration of approval.

Encing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tunks) 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, in: Four 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.	stitution or churc	h)
Netting: Subsection E 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)		
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 con (Fencing/BGT Liner) Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	sideration of appr	roval.
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system.		
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes	X No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes	XNo
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes [XNo
(Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	□NA	
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applied to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes [XNA	No
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.	Yes [XNo
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site. Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended Written confirmation or verification from the municipal little Written constant to the second control of the proposed site.	Yes [XNo
 Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes [X No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes [X No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes	XNo
Within a 100-year floodplain - FEMA map	Yes 2	XNo

Temporary Pits, Emergency Pits and Below-grade Tanks 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. 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 X Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
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
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 Operating and Maintenance Plan API
Previously Approved Operating and Maintenance Plan API
Permanent Pits Permit Application 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. 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 Cimatological 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 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 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F 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 Re-vegetation Plan - based upon the appropriate requirements of Subsection I 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 Classification of the Conference of t	Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)	
Instructions: Please identify the facility or facilities for the disposal of lique are required.	ias, ariting fluids and drill cuttings. Use attachment if more than two	facilities
Disposal Facility Name:		
Disposal Facility Name:		
Will any of the proposed closed-loop system operations and associate Yes (If yes, please provide the information No		service and operations?
Required for impacted areas which will not be used for future service and		
Re-vegetation Plan - based upon the appropriate requirements	e appropriate requirements of Subsection H of 19.15.17.13 NMAs s of Subsection Lof 19.15.17.13 NMAC	AC .
Site Reclamation Plan - based upon the appropriate requirement		
Siting Criteria (Regarding on-site closure methods only: 19.15.1 Instructions: Each siting criteria requires a demonstration of compliance in the cle certain siting criteria may require administrative approval from the appropriate differ consideration of approval. Justifications and/or demonstrations of equivalency	osure plan. Recommendations of acceptable source material are provided bet istrict office or may be considered an exception which must be submitted to th y are required. Please refer to 19,15,17,10 NMAC for guidance.	e Santa Fe Environmental Bureau office
Ground water is less than 50 feet below the bottom of the buried was - NM Office of the State Engineer - iWATERS database search; USG:		Yes No
Ground water is between 50 and 100 feet below the bottom of the bu NM Office of the State Engineer - iWATERS database search; USGS		Yes No
		∐N/A
Ground water is more than 100 feet below the bottom of the buried v - NM Office of the State Engineer - iWATERS database search; USGS		Yes No
		N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any of the active from the ordinary high-water mark).		Yes No
 Topographic map; Visual inspection (certification) of the proposed sit Within 300 feet from a permanent residence, school, hospital, institution, or 		
 Visual inspection (certification) of the proposed site; Aerial photo; sate 		Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring	Yes No	
 purposes, or within 1000 horizontal fee of any other fresh water well or spri NM Office of the State Engineer - iWATERS database; Visual inspect 	ng, in existence at the time of the initial application.	
Within incorporated municipal boundaries or within a defined municipal frepursuant to NMSA 1978, Section 3-27-3, as amended.	esh water well field covered under a municipal ordinance adopted	Yes No
 Written confirmation or verification from the municipality; Written ap Within 500 feet of a wetland 	proval obtained from the municipality	Dva. DNa
- US Fish and Wildlife Wetland Identification map; Topographic map:	Visual inspection (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine.		Yes No
- Written confiramtion or verification or map from the NM EMNRD-Mi	ning and Mineral Division	
Within an unstable area.		Yes No
 Engineering measures incorporated into the design: NM Bureau of Geo Topographic map 	Diogy & Mineral Resources; USGS; NM Geological Society;	
Within a 100-year floodplain FEMA map		Yes No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instruction	is: Each of the following items must bee attached to the closur	re plan. Please indicate,
by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the a	ppropriate requirements of 10 15 17 10 NIMAC	
Proof of Surface Owner Notice - based upon the appropriate re		
Construction/Design Plan of Burial Trench (if applicable) base		
	I of a drying pad) - based upon the appropriate requirements of I	9.15.17.11 NMAC
Protocols and Procedures - based upon the appropriate require		
	ppropriate requirements of Subsection F of 19.15.17.13 NMAC	
Waste Material Sampling Plan - based upon the appropriate re-	quirements of Subsection F of 19.15.17.13 NMAC	
	ng fluids and drill cuttings or in case on-site closure standards car	nnot be achieved)
Soil Cover Design - based upon the appropriate requirements of		
Re-vegetation Plan - based upon the appropriate requirements Site Reclamation Plan - based upon the appropriate requirement		

19 Operator Application	Cartification		
	Certification: Information submitted with this application is true, accu-	rate and complete to the	best of my knowledge and belief.
Name (Print):	Crystal Fafoya	Title:	Regulatory Technician
Signature:	Contal Talona	Date:	12/22/2008
e-mail address:	a yetat istoya weonoccomit pytoom	Telephone:	505-326-9837
20 OCD Approval:	Permit Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)
OCD Representative	Signature:		Approval Date:
Title:		OCD Perm	it Number:
21			
Instructions: Operators a report is required to be st		o implementing any closu on of the closure activities ompleted.	re activities and submitting the closure report. The closure s. Please do not complete this section of the form until an Completion Date:
22			
Closure Method: Waste Excavation	n and Removal On-site Closure Method approved plan, please explain.	Alternative Closure	Method Waste Removal (Closed-loop systems only)
	ng Waste Removal Closure For Closed-loop Systems		
were utilized.	nty the factury or facturies for where the tiquias, artic	ing jiwas ana arui cums	ngs were disposed. Use attachment if more than two facilities
Disposal Facility Nam	e:	Disposal Facility	Permit Number:
Disposal Facility Nam			Permit Number:
•	system operations and associated activities performed of edemonstrate complilane to the items below)	on or in areas that <i>will not</i> No	be used for future service and opeartions?
	areas which will not be used for future service and op-	-	
	(Photo Documentation)	енинопъ.	
Soil Backfilling as	nd Cover Installation		
Re-vegetation App	plication Rates and Seeding Technique		
the box, that the docum	ments are attached.	wing items must be attac	thed to the closure report. Please indicate, by a check mark in
	Notice (surface owner and division) otice (required for on-site closure)		
=	-site closures and temporary pits)		
=	mpling Analytical Results (if applicable)		
\equiv	Sampling Analytical Results (if applicable)		
=	Name and Permit Number		
Soil Backfilling	and Cover Installation		
Re-vegetation Ap	oplication Rates and Seeding Technique		
Site Reclamation	(Photo Documentation)		
On-site Closure	Location: Latitude:	Longitude:	NAD
25 Operator Closure Cert			
	formation and attachments submitted with this closure all applicable closure requirements and conditions spe	•	nd complete to the best of my knowledge and belief. I also certify that osure plan
ne closure compiles with the Name (Print):	м мунесине стояне requirements ини стиинтя spe	Title:	ours publi
			, , , , , , , , , , , , , , , , , , , ,
Signature:		Date:	
e-mail address:		Telephone:	

New Mexico Office of the State Engineer POD Reports and Downloads

Township: 30N Range: 12W	Sections:
NAD27 X: Y:	Zone: Search Radius:
County: Basin:	Number: Suffix:
Owner Name: (First) (Last)	Non-Domestic C Domestic C All
POD / Surface Data Report Av	g Depth to Water Report Water Column Report
Clear Form	iWATERS Menu Help

WATER COLUMN REPORT 08/21/2008

							3= S W (
							smal:	lest)			Depth	Depth	Water	(in
POD Number	Tws	Rng					Zone		X	Y	Well	Water	Column	
SJ 02643	30N	12W		3	3	2					195	140	55	
SJ 02707	30N	12W		3	4	3					235	135	100	
SJ 02145	30N	12W			1	1					160	110	50	
SJ 02341	30N	12W			3						85	39	46	
SJ 01898	30N	12W			3						140	88	52	
SJ 01692	30N	12W	04	4	3						156	65	91	
SJ 01798	30N	12W	04	4	3						158	70	88	
SJ 01792	30N	12W	04	4	3						155	109	46	
SJ 03058	30N	12W	04	4	3	3					120	48	72	
SJ 03447	30N	12W	04	4	4	4					120	80	40	
SJ 03767 POD1	30N	12W	10	2	4	2		26515	51	2121325	2.65	82	183	
SJ 02128	30N	12W	10	3	4						140	60	80	
SJ 00945	30N	12W	10	3	4						130	70	60	
SJ 00421	30N	12W	10	4	4						126	43	83	
SJ 00142	30N	12W	11	4	4	2					192	122	70	
SJ 00651	30N	12W	11	4	4	4					193	123	70	
SJ 03129	30N	12W	12	3	4	2					44	35	9	
SJ 03027	30N	12W	12	3	4	3					100			
SJ 00384	30N	12W	12	4	3	2					57	20	37	
SJ 03020	30N	12W	12	4	3	4					52	30	22	
SJ 00643	30N	12W	12	4	4						75	51	24	
SJ 03757 POD1	30N	12W	12	4	4			26612	3	2118278	22	12	10	
SJ 00322	30N	12W	12	4	4	1					66	40	26	
SJ 00888	30N	12W	13	1							81	50	31	
SJ 00518	30N	12W	13	1							55	15	40	
SJ 00935	30N	12W	13	1							54	10	44	
SJ 00316	30N	12W	13	1	1						56	30	26	
SJ 00337	30N	12W	13	1	1						43	17	26	
SJ 00773	30N	12W	13	1	1	1					68	50	18	
SJ 00821	30N	12W		1							42	15	27	
SJ 03063	30N	12W				1					40	25	15	
SJ 02803	30N	12W		2	2	2					68	43	25	
				_		~					00	43	23	

	0.0	4040					
SJ 02114	_ 30N	12W 13	2 2	4	49		
SJ 01403	30N	12W 13	2 2	4	51	15	36
SJ 01773	_ 30N	12W 13	3		60	25	35
SJ 00299	_ 30N	12W 13	3 2		49	18	31
SJ 00123	30N	12W 14	1 1	1	60	3.8	22
SJ 00854	_ 30N	12W 14	1 4		87	50	37
SJ 00667	_ 30N	12W 14	2 2	4	60	45	15
SJ 01161	_ 30N	12W 14	2 4		37	20	17
SJ 00596	_ 30N	12W 14	3 1		72	26	46
SJ 00105	_ 30N	12W 14	3 1		38	25	13
SJ 00735	30N	12W 14	3 1	3	50	30	20
SJ 00676	30N	12W 14	3 2		51	30	21
SJ 00574	30N	12W 14	3 2		72	50	22
SJ 03318	30N	12W 14	3 3	4	50		
SJ 00129	30N	12W 14	3 4		50	10	40
SJ 00107	30N	12W 14	3 4		50	15	35
SJ 01674	30N	12W 14	3 4		65	16	49
SJ 00124	30N	12W 14	3 4		55	10	45
SJ 00271	30N	12W 14		1	43	23	20
SJ 00508	30N	12W 14	3 4	2	45	6	39
SJ 00458	30N	12W 14	4 1		37	15	22
SJ 03472	30N	12W 14	4 2	1	60	8	52
SJ 02739	30N	12W 14	4 2	2	65	10	55
SJ 03643	30N	12W 14	4 2	4	40	15	25
SJ 00482	30N	12W 14	4 3	-	43	6	37
SJ 00290	30N	12W 14	4 3		39	8	31
SJ 02168	30N	12W 15	- 0		78	50	28
SJ 00367	30N	12W 15			95	50	45
SJ 01178	30N	12W 15	1 4		110	80	30
SJ 03401	30N	12W 15	1 4	3	180	56	124
SJ 01881	30N	12W 15	2	_	157	100	57
SJ 00817	30N	12W 15	2 3	Δ	96	53	43
SJ 03108	30N	12W 15		1	110	29	81
SJ 03432	30N	12W 15	2 4		165	105	60
SJ 01162	30N	12W 15	3	_	50	103	00
SJ 00145	30N	12W 15	3		165	60	105
SJ 00709	30N	12W 15	3		52	20	32
SJ 02120	30N	12W 15	3		77	55	22
SJ 00883	30N	12W 15	3		75	35	40
SJ 00416	30N	12W 15	3 1		120	60	60
SJ 02127	30N	12W 15	3 3		55	35	20
SJ 03238	30N	12W 15	3 3	2	75	30	45
SJ 02760	30N	12W 15	3 3		50	21	29
SJ 00928	30N	12W 15	3 4		68	32	36
SJ 00710	30N	12W 15	3 4		90	30	60
SJ 00816	30N	12W 15	3 4		58	30	2.8
SJ 00717	30N	12W 15	3 4		100	60	40
SJ 00684	30N	12W 15	3 4		73	30	43
SJ 01215	30N	12W 15	3 4		60	30	30
SJ 01037	30N	12W 15	3 4		50	20	30
SJ 00829	30N	12W 15	3 4		68	30	38
SJ 00714	30N	12W 15	3 4		92	40	52
SJ 00730	30N	12W 15	3 4		90	30	60
SJ 00731	30N	12W 15	3 4		90	30	60
SJ 00912	30N	12W 15	3 4		58	35	23
SJ 01793	30N	12W 15	3 4		50	22	28
SJ 00828 (1)	30N	12W 15	3 4		43	20	
SJ 00828 (1)	30N	12W 15	3 4		59	28	23
SJ 01438	30N	12W 15	3 4		96	28 66	31
PA ATESO	2014	T WYT	J 4		96	00	30

SJ 00481	30N	12W 15	3		2				52	30	22
SJ 00516	30N	12W 15	3		3				5.5	8	47
SJ 00927	30N	12W 15	4	_	2				204	75	129
SJ 00594	30N	12W 15	4						145	95	50
SJ 00810	30N	12W 15	4	-	3				96	3.5	61
SJ 03159	30N	12W 15	4	4	2				60		
SJ 02514	30N	12W 15	4	4	4				57	25	32
SJ 01279	30N	12W 16	4	4					200	100	100
SJ 02627	30N	12W 18	1	2	2				354	250	104
SJ 03808 POD1	30N	12W 18	1	3	1		266399	2116162	42	9	33
SJ 02697	30N	12W 18	1	4	3				360	290	70
SJ 01892	30N	12W 18	1	4	4				465	420	45
SJ 01619	30N	12W 18	2	1					395	345	50
SJ 01619 X	30N	12W 18	2	1					3.80	350	30
SJ 02137	30N	12W 18	2	2	4			3	460	380	80
SJ 01737	30N	12W 18	2	3					540		
SJ 02080	30N	12W 18	2	3					370	340	3.0
SJ 01013	30N	12W 18	3						310	250	60
SJ 01014	30N	12W 18	3						306	250	56
SJ 01080	30N	12W 18	3	1					305	265	40
SJ 00575	30N	12W 18	3	3	1				420	390	30
SJ 01514	30N	12W 18	3	4	3				430	380	50
SJ 02035	30N	12W 18	4						500	190	310
SJ 01971	30N	12W 18	4						405	345	60
SJ 02040	30N	12W 18	4	1	4				460	400	60
SJ 02247	30N	12W 18	4	3					465	375	.90
SJ 01283	30N	12W 18	4	3					425	3.80	45
SJ 01896	30N	12W 18	4	4					415	372	43
SJ 01809	30N	12W 18	4	4					371	317	54
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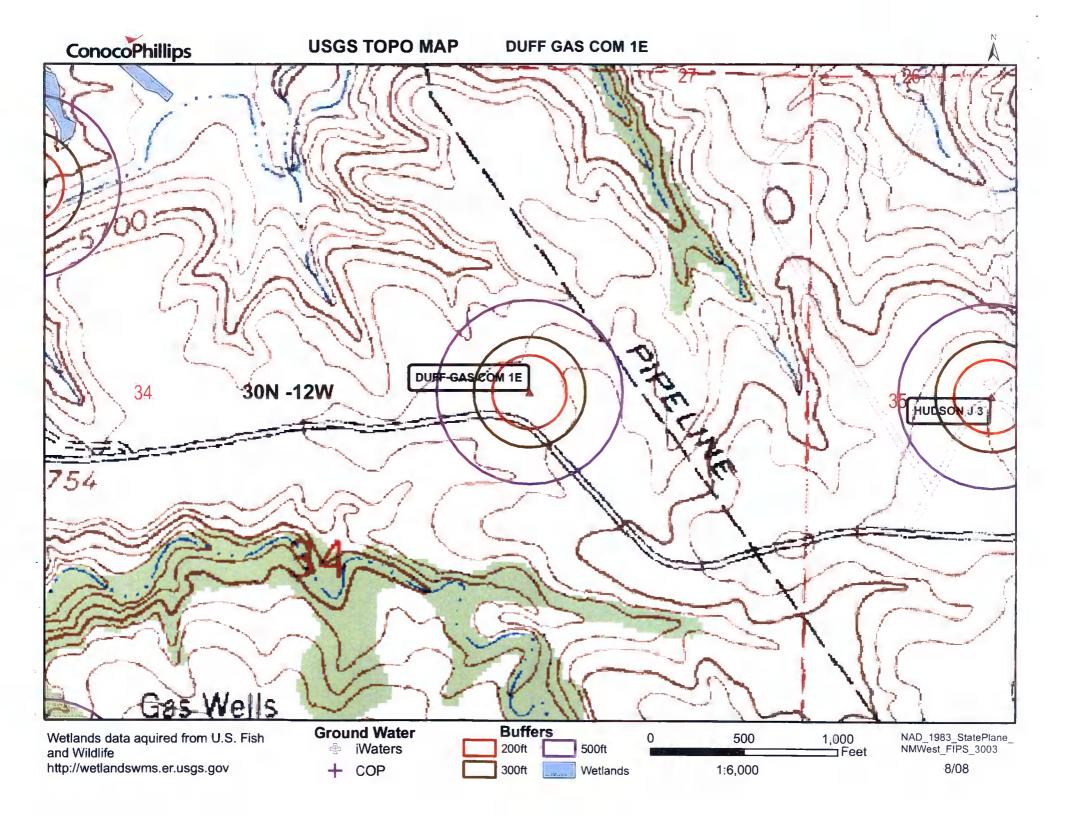
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	2296	30N	12W 34		3					107	25	82
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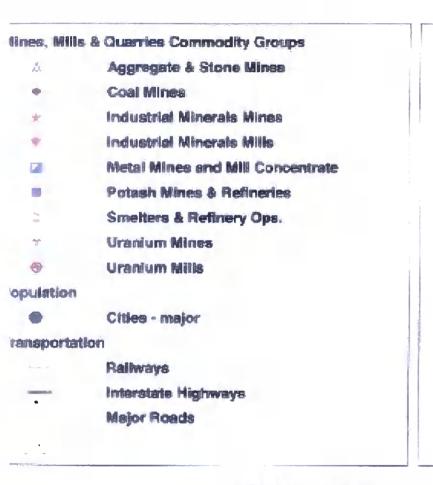
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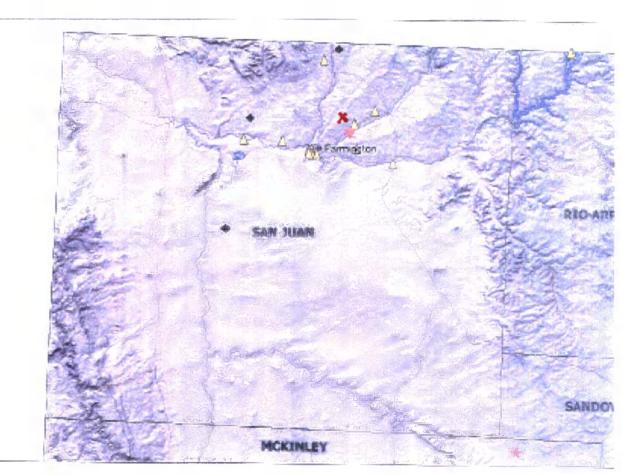


Mines, Mills and Quarries Web Map.

DUFF GAS COM 1E

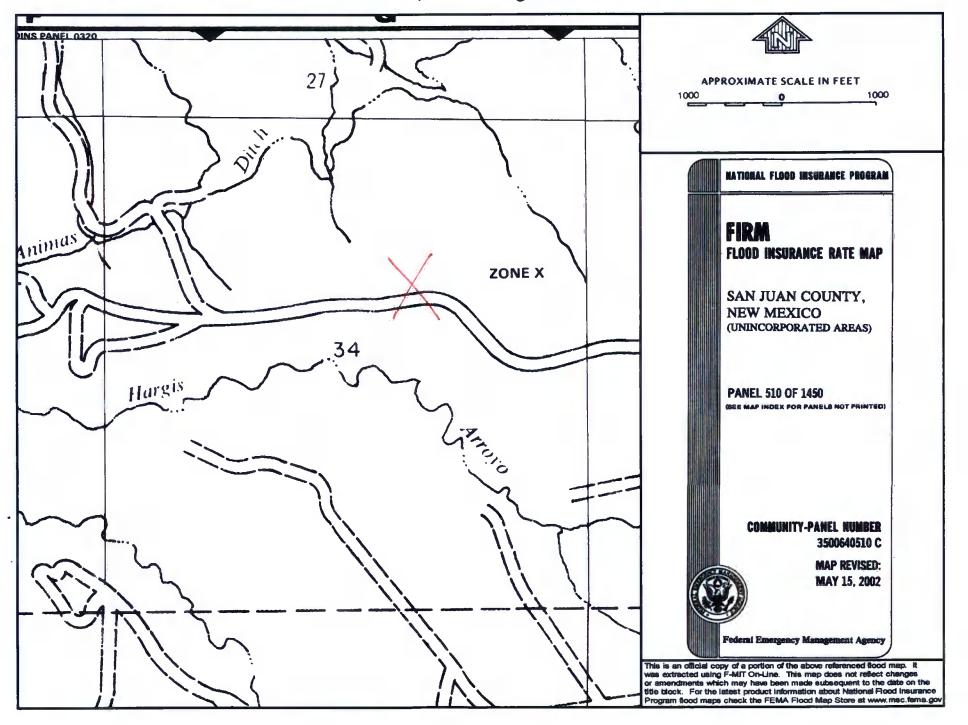
Unit Letter: G, Section: 34, Town: 030N, Range: 012W











DUFF GAS COM 1E

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'DUFF GAS COM 1E', which is located at 36.7715 degrees North latitude and 108.08111 degrees West longitude. This location is located on the Flora Vista 7.5' USGS topographic quadrangle. This location is in section 34 of Township 30 North Range 12 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 Flora Vista, located 2.6 miles to the northeast. The nearest large town (population greater than 10,000) is Farmington, located 7.4 miles to the west (National Atlas). The nearest highway is US Highway 550, located 1.8 miles to the northwest. The location is on Private land and is 6,245 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Animas. Colorado, New Mexico, Sub-basin. This location is located 1761 meters or 5776 feet above sea level and receives 10 inches of rain each year. The vegetation at this location is classified as Colorado Plateau Pinon-Juniper Woodland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 71 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 1,085 feet to the northeast and is classified by the USGS as an intermittent stream. The nearest perennial stream is named Hargis Arroyo and is 4.418 feet to the southeast. The nearest water body is 3,671 feet to the west. It is classified by the USGS as an intermittent lake and is 0.2 acres in size. The nearest spring is 7,145 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 2,609 feet to the north. The nearest wetland is a 1.2 acre Freshwater Forested/Shrub Wetland located 2,316 feet to the northwest. The slope at this location is 3 degrees 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 'Blackston gravelly loam, 3 to 8 percent slopes' and is well drained and not hydric with slight erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 11.1 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 badland topography.

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

Strata of the Nacimiento Formation were deposited in lakebeds in the central basin area with lesser deposition in stream channels (Brimhall, 1973, p. 201). In general, the Nacimiento consists of drab, interbedded black and gray shale with discontinuous, white, medium- to very coarse grained arkosic sandstone (Stone e al., 1983, p.30). Stone et al. indicated that the formation may contain more sandstone than commonly reported because some investigators assume the slope-forming strata in the unit area shales, whereas in many places the strata actually are poorly consolidated sandstones.

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

Hydraulic Properties:

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

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

References:

Baltz, E.H., 1967, Stratigraphy and regional tectonic implications of part of Upper Cretaceous rocks, 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.

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

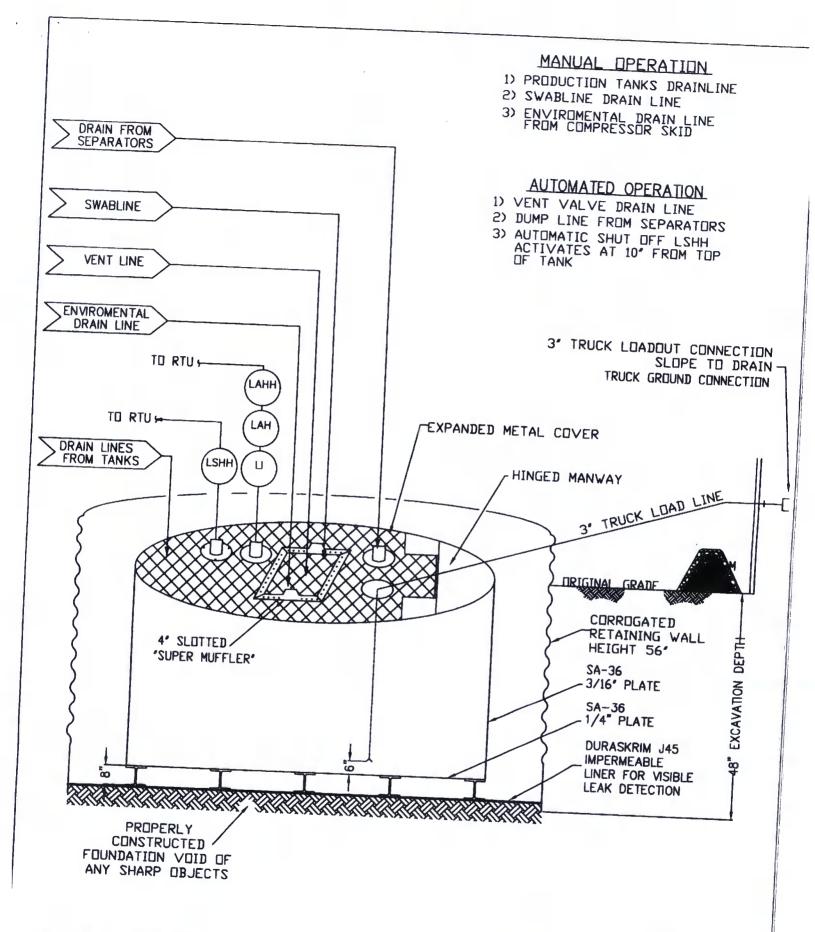
Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Design and Construction

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

General Plan:

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

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

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PROPERTIES	TEST METHOD	the man of the sales of	130BB	J	36BB	1	J45BB		
Annogram		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages		Typical R		
Appearance		Bla	Black/Black		Black/Black		Average		
Thickness	ASTM D 5199	27 mil	30 mil	32 mil	T		k/Black		
Weight Lbs Per MSF (oz/yd²)	ASTM D 5261	126 lbs (18.14)	140 lbs (20.16)	151 lbs	36 mil	40 mil 189 lbs	45 mil		
Construction				(21.74)	(24.19)	(27.21)	(30.24)		
Ply Adhesion	ASTM D 413	EXI	trusion laminate	d with encapsul	ated tri-directio	nal scrim reinfor	scrim reinforcement		
	ASTM D 413	16 lbs	20 lbs	19 fbs	24 lbs	25 lbs	31 lbs		
1" Tensile Strength	ASTM D 7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD 70 lbf DD	113 lbf MD 87 lbf DD	110 lbf MD 84 lbf DD	138 lbf N		
1" Tensile Elongation @ Break % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD	105 lbf D 750 MD		
1" Tensile Elongation @ Peak % (Scrim Break)	ASTM D 7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	550 DD 20 MD	750 DD 36 MD		
Tongue Tear Strength	ASTM D 5884	75 lbf MD 75 lbf DD	97 lbf MD 90 lbf DD	75 lbf MD 75 lbf DD	104 lbf MD 92 lbf DD	20 DD 100 lbf MD 100 lbf DD	36 DD		
Grab Tensile	ASTM D 7004	180 lbf MD 180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD 220 lbf DD	118 lbf DD 257 lbf MD 258 lbf DD		
rapezoid Tear	ASTM D 4533	120 lbf MD 120 lbf DD	146 lbf MD 141 lbf DD	130 lbf MD 130 lbf DD	189 lbf MD 172 lbf DD	160 lbf MD 160 lbf DD	193 lbf MD		
Dimensional Stability	ASTM D 1204	<1	<0.5	<1			191 lbf DD		
uncture Resistance	ASTM D 4833	50 lbf	64 lbf		<0.5	<1	<0.5		
laximum Use Temperature		180° F		65 lbf	83 lbf	80 lbf	99 lbf		
linimum Use Temperature			180° F	180° F	180° F	180° F	180° F		
) = Machine Direction		-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

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 that the sale hereunder is for commercial or industrial use only.

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

Any claim for any alleged breach of this warranty must be made in writing, by certified mail, to the General Manager of Engineered Films Division of Raven Industries Inc. within ten (10) days of becoming aware of the alleged defect. Should the required notice not be given, the defect and all warranties are waived by the Purchaser, and Purchaser shall not have any rights under this warranty. Raven Industries Inc. shall not be obligated to perform repairs or replacements under this warranty unless and until the area to be replacement of clean, dry, and unencumbered. This includes, but is not limited to, the area made available for repair and/or 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, replacements, modifications or alteration in advance of them having been made. Raven Industry's liability under this warranty shall in no event exceed the replacement cost of the material sold to the Purchaser for the particular installation in which it failed.

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

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

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

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

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

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

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

General Plan:

- BR will operate and maintain a BGT to contain liquids and solids and maintain the integrity of the liner, liner system and secondary containment system to prevent contamination of fresh water and protect public health and environment. BR will accomplish this by performing an inspection on a monthly basis, installing cathodic protection, and automatic overflow shutoff devices as seen on the design plan.
- 2. BR will not discharge into or store any hazardous waste in the BGT.
- 3. BR shall operate and install the below-grade tank to prevent the collection of surface water run-on. BR has built in shut off devices that do not allow a belowleast 6" above ground to keep from surface water run-on entering the below grade tank as shown on the design plan.
- 4. As per 19.17.15.12 Subsection D, Paragraph 3, BR will inspect the below-grade tank at least monthly reviewing several items which include 1) containment berms adequate and no oil present, 2) tanks had no visible leaks or sign of corrosion, 3) tank valves, flanges, and hatches had no visible leaks and 4) no evidence of significant spillage of produced liquids. In addition, BR's multi-skilled operators (MSOs) are required to visit each well location once per week. If oil from the fluid surface of a below-grade tank in an effort to prevent significant accumulation of oil overtime. The written record of the monthly inspections will include the items listed above and will be maintained for five years.
- 5. BR shall require and maintain a 10" adequate freeboard to prevent overtopping of the below-grade tank.
- 6. If the below grade tank develops a leak, or if any penetration of the pit liner or below grade tank, occurs below the liquid's surface, then BR shall remove all liquid above the damage or leak line within 48 hours. BR shall notify the appropriate district office. BR shall repair or replace the pit liner or below grade tank, within 48 hours of discovery. If the below grade tank or pit liner does not demonstrate integrity, BR shall promptly remove and install a below grade tank or pit liner that complies with Subsection I of 19.15.17.11 NMAC. BR shall notify the appropriate district office of a discovery of leaks less than 25 barrels as required pursuant to Subsection B of 19.15.3.116 NMAC shall be reported within twenty-four (24) hours of discovery of leaks greater than 25 barrels. In addition, 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 retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC within five years, if NMAC; b) permitted below-grade tanks within 60 days of cessation of the below-grade tanks operation., or c) an earlier date that the division requires because of imminent the C144 Closure Report as required.
- 2. BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and 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 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.
- 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