### 1625 N French Di , Hobbs, NM 88240 District II

District III

1301 W. Grand Ave, Artesia, NM 88210

1000 Rio Brazos Rd , Aztec, NM 87410

District IV

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

State of New Mexico

Energy Minerals and Natural Resources

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade

Form C-144

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

1220 S. St. Francis Dr., Santa Fe, NM 8	7505	
4(11)	Pit, Closed-Loop System, Below-Grade T	ank, or
	Proposed Alternative Method Permit or Closure	Plan Application

Type of action:	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. Not does approval telieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Operator: Burlington Resources Oil & Gas Company, LP OGRID#: 14538
Address: PO Box 4289, Farmington, NM 87499
Facility or well name: Hare 297S
API Number:OCD Permit Number:
U/L or Qtr/Qtr: I(NE/SE) Section: 10 Township: 29N Range: 10W County: San Juan
Center of Proposed Design: Latitude: <b>36.740509</b> °N Longitude: <b>107.866523</b> °W NAD: 1927 X 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 Other String-Reinforced Liner Seams: Welded Factory Other Volume: bbl Dimensions L 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 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  Liner Seams: Welded Factory Other
4  X Below-grade tank: Subsection I of 19.15.17 11 NMAC  Volume. 120 bbl Type of fluid: Produced Water  PECEIVED  OIL CONS DIV DIST 2
Tank Construction material. Metal
November   Subsection   I of 19.15.17   I NMAC   November   Nove
Alternative Method:  Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)		
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, install Four foot height, four strands of barbed wire evenly spaced between one and four feet	tution or chur	ch)
X Alternate Please specify 4' hogwire fence with a single strand of barbed wire on top.		1
7		
Netting: Subsection E of 19 15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)		
Screen Netting Other		
Monthly inspections (If netting or screening is not physically feasible)		
8 Character Cost IA IS 17 11 NRAAC		
Signs: Subsection C of 19 15.17.11 NMAC  12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers		
X Signed in compliance with 19.15.3 103 NMAC		
9		
Administrative Approvals and Exceptions:  Justifications and/or demonstrations of equivalency are required Please refer to 19.15.17 NMAC for guidance		ļ
Please check a box if one or more of the following is requested, if not leave blank:		
Administrative approval(s) Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for const	ideration of ap	proval
(Fencing/BGT Liner)		
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval		
Siting Criteria (regarding permitting): 19.15.17.10 NMAC  Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable		
source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the		
appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria	! !	
does not apply to drying pads or above grade-tanks associated with a closed-loop system.	ı	
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.  NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes	XNo
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa	Yes	XNo
lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site		
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial	□Vas	XNo
application.		ANO
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)	□NA	
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	_	
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	∐No
(Applied to permanent pits)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	XNA	
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering	Yes	X No
purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.		22.10
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	Yes	X No
adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality; Written approval obtained from the municipality		
Within 500 feet of a wetland.	Yes	X No
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site		_
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.	Yes	X No
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological		_
Society; Topographic map Within a 100-year floodplain	Yes	XNo
- FEMA map		۳۰

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
$\overline{X}$ 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
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
13
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
Climatological Factors Assessment
Certified Engineering Design Plans - based upon the appropriate requirements of 19.15 17.11 NMAC  Dike Protection and Structural Integrity Design: based upon the appropriate requirements of 19.15.17.11 NMAC
Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15 17.11 NMAC
Quality Control/Quality Assurance Construction and Installation Plan
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17 12 NMAC
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17 11 NMAC
Nuisance or Hazardous Odors, including H2S, Prevention Plan
Emergency Response Plan
Oil Field Waste Stream Characterization
Monitoring and Inspection Plan
Erosion Control Plan  Clasure Plan   head went the appropriate requirements of Subsection C of 10.15.17.0 NIMAC and 10.15.17.13 NIMAC
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 Ptt X Below-grade Tank Closed-loop System  Alternative
Proposed Closure Method: X Waste Excavation and Removal
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)
15 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
A to to be a to the state of th

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off B Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cutting	Gins Only: (19 15.17 13.D NMAC)  So Use attachment if more than two faculities	
are required.	,	
	ermit #:	
	ermit #:	
Will any of the proposed closed-loop system operations and associated activities occur on or in areas  Yes (If yes, please provide the information No	s that will not be used for future service and ope	rations?
Required for impacted areas which will not be used for future service and operations:  Soil Backfill and Cover Design Specification - based upon the appropriate requirements of S Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15 1	NMAC	
Siting Criteria (Regarding on-site closure methods only: 19.15.17 10 NMAC Instructions. Each stung criteria requires a demonstration of compliance in the closure plan Recommendations of acce certain siting criteria may require administrative approval from the appropriate district office or may be considered and for consideration of approval Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.1	exception which must be submitted to the Santa Fe Enviror	
Ground water is less than 50 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS: Data obtained from nearby wells	Yes N/A	No
Ground water is between 50 and 100 feet below the bottom of the buried waste	Yes	□No
- NM Office of the State Engineer - IWATERS database search, USGS; Data obtained from nearby wells		الما الما
Ground water is more than 100 feet below the bottom of the buried waste.	☐ Yes	□No
- NM Office of the State Engineer - IWATERS database search; USGS; Data obtained from nearby wells	□ <sub>N/A</sub>	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lake (measured from the ordinary high-water mark)	ebed, sınkhole, or playa lake	□No
- Topographic map; Visual inspection (certification) of the proposed site		
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of - Visual inspection (certification) of the proposed site; Aerial photo; satellite image	initial application.	□No
•	Yes	No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use to purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the time of the resh NM Office of the State Engineer - rWATERS database, Visual inspection (certification) of the proposed	initial application.	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under pursuant to NMSA 1978, Section 3-27-3, as amended.	. , , , , , , , , , , , , , , , , , , ,	□No
<ul> <li>Written confirmation or verification from the municipality, Written approval obtained from the municip</li> <li>Within 500 feet of a wetland</li> </ul>	Yes	No
- US Fish and Wildlife Wetland Identification map, Topographic map; Visual inspection (certification) of	the proposed site	
Within the area overlying a subsurface mine  - Written confirantion or verification or map from the NM EMNRD-Mining and Mineral Division	Yes	∐No
Within an unstable area.	Yes	□No
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS Topographic map	<b> </b>	
Within a 100-year floodplain FEMA map	Yes	No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following item	is must bee attached to the closure plan. Pleas	e indicate,
by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.	15 17 10 NMAC	
Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of		
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate require	ements of 19.15.17 11 NMAC	
Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon	the appropriate requirements of 19.15.17.11 NM	/AC
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC		
Confirmation Sampling Plan (1f applicable) - based upon the appropriate requirements of Sub		
Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of		
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in		red)
Soil Cover Design - based upon the appropriate requirements of Subsection H of 19 15 17 13  Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13		
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13		

Form C-144 Oil Conservation Division

	cation Certification:					
	t the information submitted with t		· ·	•	-	
Name (Print)	Crystal '	Tafoya	Title:	Reg	gulatory Technician	
Signature:	- Cych	al Taloyo	Date.	1)/ a	10/09	
e-mail address	crystal.tafoya@co	nocophillips.com	Telephone		\$05-326-9837	·
20 OCD Approval:	Permit Application (incluative Signature:	iding closure plan)	Closure Plan (only	) []OCI	O Conditions (see attachment)  Approval Date: _ / - 5 - / O	
Title:	Enviro/spec		OCD Per	mit Numbe	<del></del>	
Instructions Opera report is required t		proved closure plan prior to un 60 days of the completio	o implementing any clo on of the closure activit	sure activitie	s and submutting the closure report The closor of the form until	
			Closu	re Complet	ion Date:	
		On-site Closure Method in.	Alternative Closur	re Method	. Waste Removal (Closed-loop systems	only)
	egarding Waste Removal Closur se identify the facility or facilities				Tanks or Haul-off Bins Only: sposed. Use attachment if more than two	facilities
Disposal Facilit	y Name.		Disposal Facili	ty Permit Nui	mber:	_
Disposal Facilit	y Name:		Disposal Facılı	ty Permit Nui	mber	_
_	d-loop system operations and associated	• -	_	not be used f	or future service and opeartions?	
	, please demonstrate complilane to	_	_No			
	pacted areas which will not be us	ed for future service and op	verations:			
	nation (Photo Documentation) illing and Cover Installation				•	
=	on Application Rates and Seeding	Technique				
24						
Closure Repo	ort Attachment Checklist: Insee documents are attached.	tructions: Each of the follo	owing items must be at	tached to the	closure report. Please indicate, by a chec	k mark in
	Closure Notice (surface owner a	nd division)	a .			,
Proof of D	Deed Notice (required for on-sit	e closure)				
Plot Plan (	for on-site closures and tempor	ary pits)				
Confirmat	ion Sampling Analytical Result	ts (if applicable)				
Waste Ma	terial Sampling Analytical Res	ults (1f applicable)				
Disposal F	Facility Name and Permit Num	ber				
Soil Backf	filling and Cover Installation					
Re-vegetar	tion Application Rates and See	ding Technique				
	mation (Photo Documentation)					
On-site Cl	losure Location: Latitude:		Longitude:		NAD	83
				-	ete to the best of my knowledge and belief	I also certify that
Name (Print):			Title:	,		•
Signature:			Date:			
e-mail address:			Telephone:			<del></del>



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

			(quarter	rs a	re s	sma	llest	to larg	est)	(NAD83 UTN	/l in meters)		(In feet)
POD Number	Sub basin	Use	County	1,00	,,	Q 4	1	Ťws:	Rna	X	しんけいけいぎ アズムしゃ	1 M O 1	epth Water VaterColumn
1 6 M. andraid description and the continues of the conti	la cidação de Japan de Jean		** ***********************************	II NAIL II			NATIONAL MARK		a constant was	W. C.	THE RESERVE TO STOLE OF	, to stational life of k	To an income and a second seco
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SJ 00785 S		MUN	SJ	2	4	2	04	29N	10W	242705	4071829*	20	
SJ 00785 S	SJAR	MUN	SJ	2	4	2	04	29N	10W	242705	4071829*	20	
										Avera	age Depth to	Water:	
			•								Minimum	Depth:	
											Maximum	Depth:	

**Record Count:** 3

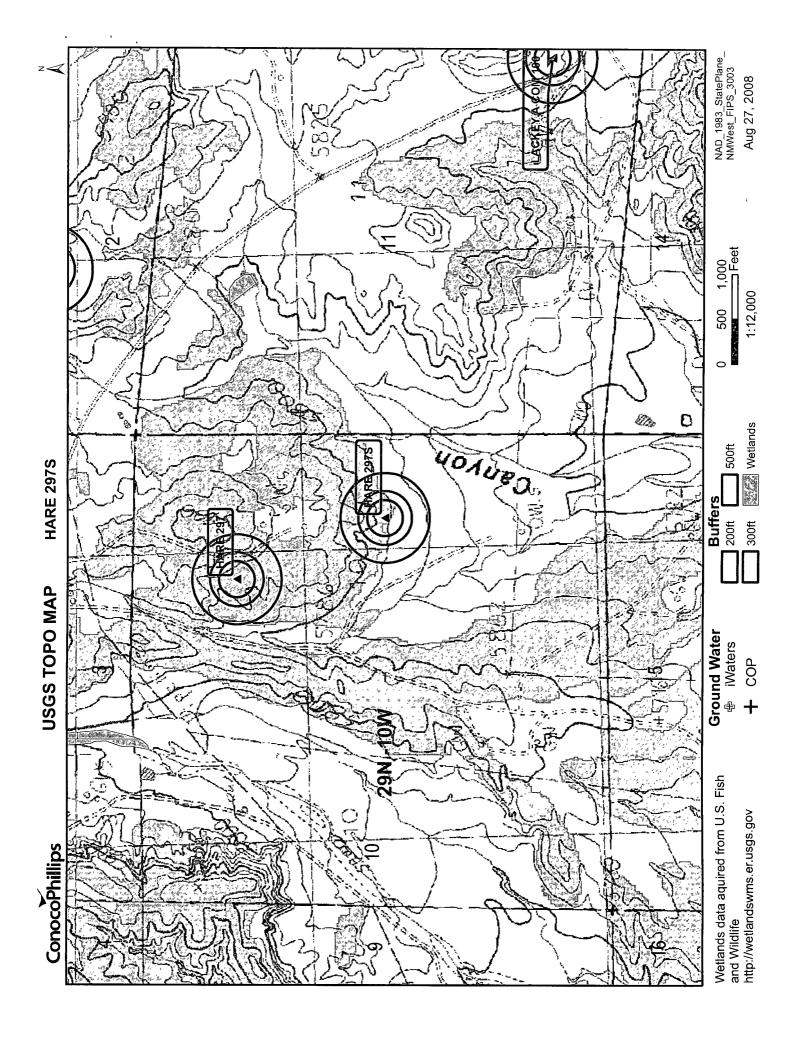
PLSS Search:

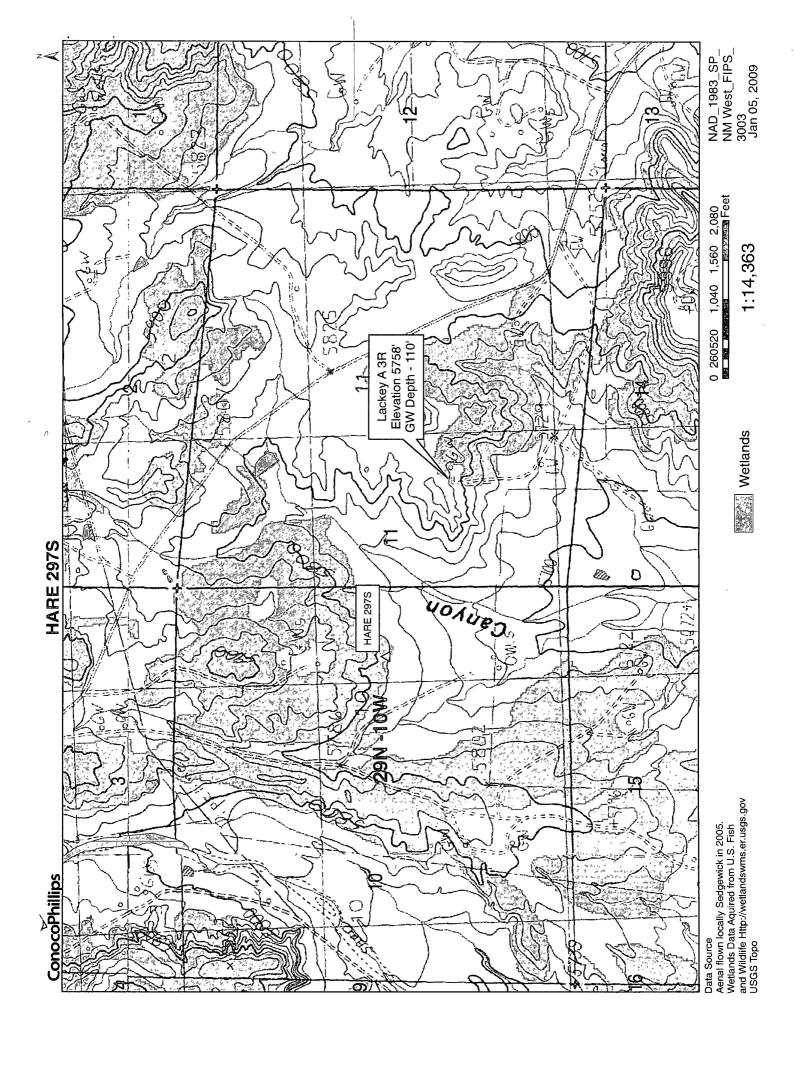
Section(s): 2, 3, 4, 9, 10, Townsl 11, 14, 15, 16

Township: 29N

Range: 10W

\*UTM location was derived from PLSS - see Help





### DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTECTION WELLS NORTHWESTERN NEW MEXICO

Operator BushiNGTON RESOURCES Location: Unit 3 Sec. 1/ Twp 29 Rng 10
Name of Well/Wells or Pipeline Serviced McKey A 3R
30-045-29528
Elevation Completion Date 4-22-98 Total Depth 30% Land Type
Casing Strings, Sizes, Types & Depths 10 7 PVC
If Casing Strings are cemented, show amounts & types used
If Cement or Bentonite Plugs have been placed, show depths & amounts used  None
Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. 10 TARCE
Depths gas encountered: NoNE
Ground bed depth with type & amount of coke breeze used:  220' 2005#
Depths anodes placed: 145-173-129-184-191- 700-210-220
Depths vent pipes placed: 0 - 290 DECEIVED
Vent pipe perforations: 160 290 MAR - 9 1999
Remarks:
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.

Form 3160-4 (October 1990)

## **UNITED STATES**

SUBMIT IN DUPLICATE

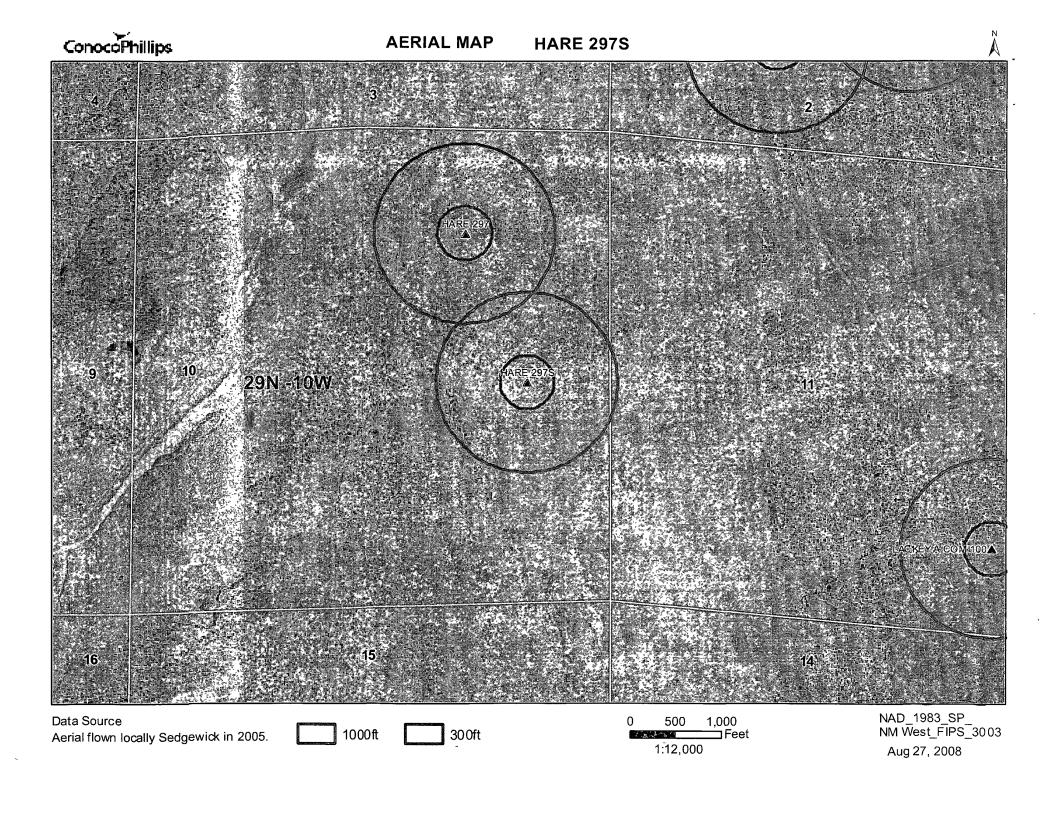
i		OMB 110 1004-0137	
		Expires December 31 1991	
	5	LEASE DESIGNATION AND SERIAL NO	•
		SF-077092C	

	DEPARTMENT OF THE INTERIOR (1999) 1999											Expires December 31 1991			
			BUREAU O	LAND	MANAGE	MENT	•			5 LEASE DESIGNATION AND SERIAL NO SF-077092C					
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2 NAME OF	OPERATOR	₹	•	•			미본(6	151	MEIV!		WELL NO				
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3 ADDRESS							MAY MAY	2 :	1998	10 FI	LD AND POOL, (	OR WILDCAT			
PO	BOX 4289	, Farmington, N	M 87499	(505)	326-970	00 .		٠. ٠	1830		Blanco Mesav				
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At total day	met h										Caa 44 T 20	N. D. 40 W.			
At total de	ipui							•	ļ		Sec. 11, T-29	-N, K-1U-VV			
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15 DATE SPU	DDED 16	DATE T D REACH	ED 117 D	TE COM	PL (Ready to	2 nmat )		19 ELC	VATIONS (DF. RK		San Juan	New Mexico 19 ELEV. CASINGHEAD			
3-22-98	DDED	3-26-98	17 0	4-22-9		ριου )			5758 GR, 5770		ik Eroj	19 ELEV. CASINGHEAD			
20 TOTAL DE	PTH MD &TV		BACK T.D., MD		22 IF MULT	IPLE CO	MPL.,				TOOLS	CABLE TOOLS			
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	CTRIC AND C	THER LOGS RUN					, ,				WELL CORED				
	, CNL-GR,	CIVIC							<u> </u>		110				
28 CASING SIZ	EMPANE I	WEIGHT, LB /FT	DEPTH SE		HOLE S		Report all strings		Vell) EMENTING RECOR	en l	AL	IOUNT PULLED			
9 5/8	DOIGGE	32.3#	244	(1110)	<del> </del>	1/4	236 cu.ft.	ient, or	LINEITING REGOI	`	- AR	IOONT F ULLED			
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					<u> </u>										
29	TOD (MD)	BOTTOM (MD	RECORD SACKS CE	*******	SCREEN	(117)	30. SIZE	T	DESTIN SET (I		BING RECORD	CKER SET (MD)			
\$IZE 4 1/2	TOP (MD) 2343	4799	352 cu.ft.	MENT	SCREEN	(MU)	1 1/2		DEPTH SET (N	/U)	PA	CREK SET (MD)			
, ., _			1000000		<u> </u>										
		D (Interval, size and			32		AC	ID, SHC	T, FRACTURE,	CEME	T SQUEEZE. E	TC			
	•	4, 4146, 4172, 4			1		RVAL (MD)				KIND OF MATE				
		4, 4251, 4270, 4 ), 4375, 4407, 4			3984-441	5		2/55	bbl 1% KCI sik	Wtr. 1	20.000# 20/40	Brady so			
		3, 4552, 4556, 4			4482-470	)1		2410	bbi 1% KCI silk	wtr. 1	00.000# 20/4	0 Brady sd			
		3, 4620, 4643, 4													
DATE FIRST PR	CODUCTION	) pan	NICTION METU	OD (Flow)	on nas lift ou		ODUCTION size and type of put	701			WELL STATUS	Producing or shut-in)			
4-22-98		-	JOURNAL IN	Jar (r∃UWI	ng, gas iiit, pu Flowing	perig3	era ana iypa ai pu	ן עויי			SI	reducing or analyn)			
DATE OF TEST		HOURS TESTED	CHOKE SIZE	PRO	DD'N FOR	OIL-B	8L	GAS-	MCF	WATE	R-88L	GAS-OIL RATIO			
4 22 02				TES	T PERIOD	1		1150	Pitot Gauge						
4-22-98 FLOW TUBING		CASING PRESSUR	E CALCULATE	<u>1 —</u>	IL-BBL	L	GAS-MCF	11100	WATER-BBI	<del></del>		OIL GRAVITY-API (CORR )			
<b>6</b> 1 655		C1 CC2	24-HOUR RA	TE				1							
SI 960	ION OF GAS	SI 960 Sold used for fuel.	rented, etc.)				1				TEST WITNESSE	ED BY			
54 Did 0011		To be sold							·			-= = ·			
35 LIST OF A	TTACHMENT										L.,				
	$\rightarrow$	None													
36 I hereby o	entity that the R	oregoing and attache	d information is	ompiete s	and correct as	getermii	ned from all availat	le record							
	160	) LAA	huld	/	0		-1-1-4				5 4 OC =	BECORD			
SIGNED	ાવુલ4	y/mas	nuea	TITLE	Regulato	ry Adn	ninistrator			DATE	PED	FOR RECORD			
		*	(See Instru	ctions	and Spa	ces fo	or Additiona	Data	on Reverse	Side					

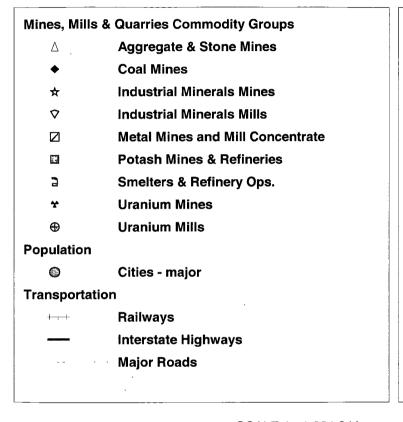
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

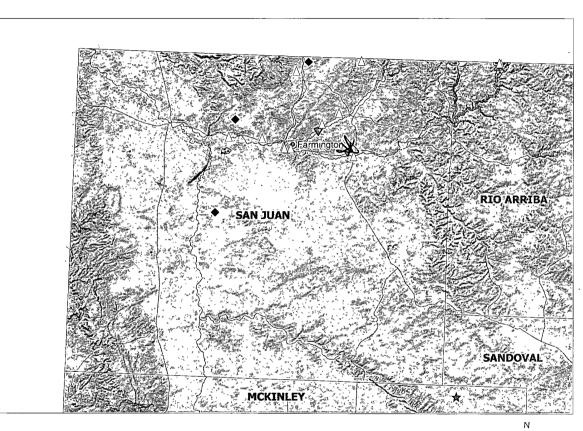
NMOCD

FARMINGTON DISTRICT OFFICE



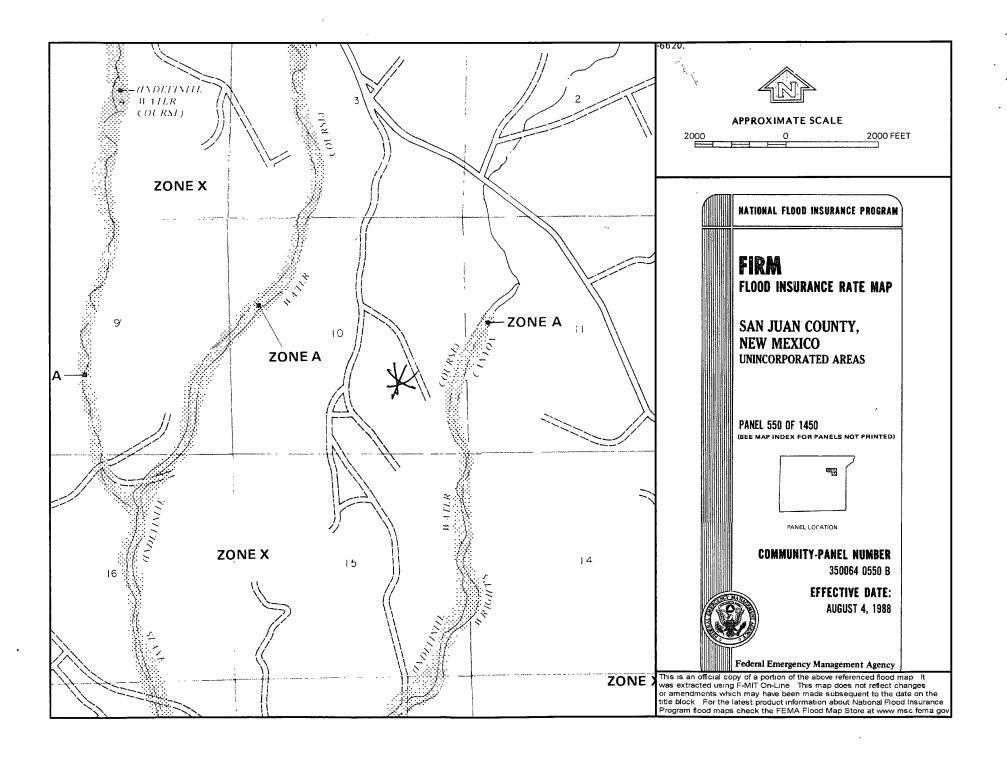
## HARE 297S MINES, MILLS & QUARRIES WEB MAP











#### Hydrogeological Report for Hare 297S

#### **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 commformably 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.

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.

#### Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The Hare 297S is not located in an unstable area. The location is not over a mine and is not on the side of a hill as indicated on the Mines, Mills and Quarries Map and Topographic Map. The location of the excavated pit material will not be located within 300' of any continuously flowing watercourse or 200' from any other watercourse as indicated on the Topographic Map. The location is not within a 100-year floodplain area as indicated on the FEMA Map. The Cathodic well data from the Lackey A 3R has an elevation of 5758' and groundwater depth of 110'. The subject well has an elevation of 5783' which is 25' greater than the Lackey A 3R, therefore the groundwater depth is greater than 100'. There are no iWATERS data points located in the area as indicated on the TOPO Map. The hydro geologic analysis indicates the groundwater depth and the Nacimiento formation will create a stable area for this new location.

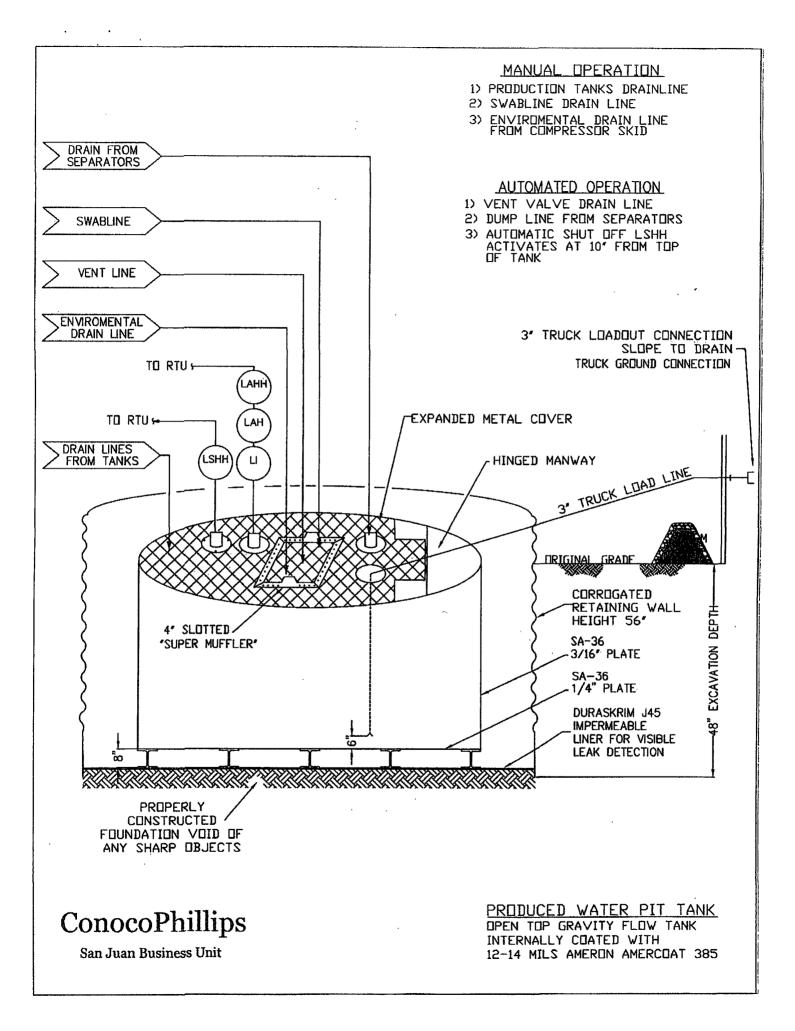
#### Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade/Tank Design and Construction

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

#### General Plan:

- 1. BR will design and construct a properly sized and approved BGT which will contain liquids and should prevent contamination of fresh water to protect the public health and environment.
- 2. BR signage will comply with 19.15.3.103 NMAC when BR is the operator. If BR is not the operator it will comply with 19.15.17.11NMAC. BR includes Emergency Contact information on all signage.
- 3. BR has approval to use alternative fencing that provides better protection. BR constructs fencing around the BGT using 4 foot hog wire fencing topped with two strands of barbed wire, or with a pipe top rail. A six foot chain link fence topped with three strands of barbed wire will be use if the well location is within 1000 feet of permanent residence, school, hospital, institution or church. BR ensures that all gates associated with the fence are closed and locked when responsible personnel are not onsite.
- 4. BR will construct a screened, expanded metal covering, on the top of the BGT.
- 5. BR shall ensure that a below-grade tank is constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight as shown on design drawing and specification sheet.
- 6. The BR below-grade tank system shall have a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom as shown on design drawing.
- 7. BR shall operate and install the below-grade tank to prevent the collection of surface water run-on. BR has built in shut off devices that do not allow a 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.
- 11. The general specification for design and construction are attached in the BR document.



## DURA-SKRIM®

## JROJAG 2J45

PROPERTIES	TEST METHOD	J3	0BB	<b>J</b> 36	ВВ	J45BB			
		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages		
Appearance		Blaci	√Black <sub>.</sub>	Black	Black	Black/	Black		
Thickness	ASTM D 5199	27 mil	30 mil	32 mil	36 mil	40 mil	45 mil		
Weight Lbs Per MSF (cz/yd²)	ASTM D 5261	126 lbs (18.14)	140 lbs (20.16)	151 lbs (21.74)	168 lbs (24.19)	189 lbs (27.21)	210 lbs (30.24)		
Construction		**Extr	usion laminated	with encapsula	ted tri-direction	al scrim reinforc	ement		
Ply Adhesion	ASTM D 413	16 lbs	2 <b>0 lbs</b>	19 lbs	24 lbs	25 lbs	31 lbs		
1 Tensile Strength	ASTM D 7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD 70 lbf DD	113 lbf MD 87 lbf DD	110 lbf MD 84 lbf DD	138 lbf MD 105 lbf DD		
( Tensile Elongation @ Break % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD		
1 Tensile Elongation @ Reak % (ScrimBreak)	ASTM D 7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	20 MD 20 DD	36 MD 36 DD		
Tongue Tear Strength	ASTM D 5884	75 lbf MD 75 lbf DD	97 lbf MD 90 lbf DD	75 lbf MD 75 lbf DD	104 lbf MD 92 lbf DD	100 lbf MD 100 lbf DD	117 lbf MD 118 lbf DD		
Grab Tensile	ASTM D 7004	180 lbf MD 180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD 220 lbf DD	257 lbf MD 258 lbf DD		
Trapezoid Tear	ASTM D 4533	120 (bf MD 120 (bf DD	146 lbf MD 141 lbf DD	130 lbf MD 130 lbf DD	189 lbf MD 172 lbf DD	160 lbf MD 160 lbf DD	193 lbf MD 191 lbf DD		
Dimensional Stability	ASTM D 1204	<1	<0.5	<1	<0.5	<1	<0.5		
Puncture Resistance	ASTM D 4833	50 lbf	64 lbf	65 lbf	83 lbf	80 lbf	99 lbf		
Maximum Use Temperature		180° F							
Minimum Use Temperature		-70° F							

MD = Machine Direction DD = Diagonal Directions



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

\*Dimensional Stability Maximum Value

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

Note: RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

PLANT LOCATION

SALES OFFICE

RAVEN SINDUSTRIES

Sioux Falls, South Dakota

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

08/06

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

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

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

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

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

THIS LIMITED WARRANTY SHALL BE GOVERNED BY SOUTH DAKOTA LAW AND VENUE FOR ALL LEGAL PROCEEDINGS IN CONNECTION WITH THIS LIMITED WARRANTY SHALL BE IN MINNEHAHA COUNTY, SOUTH DAKOTA. RAVEN INDUSTRIES INC. MAKES NO WARRANTY OF ANY KIND OTHER THAN THAT GIVEN ABOVE AND HEREBY DISCLAIMS ALL WARRANTIES, BOTH EXPRESSED OR IMPLIED, OF MERCHANTABILITY AND FINESS 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 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.
- 4. As per 19.17.15.12 Subsection D, Paragraph 3, BR will inspect the below-grade tank at least monthly reviewing several items which include 1) containment berms adequate and no oil present, 2) tanks had no visible leaks or sign of corrosion, 3) tank valves, flanges, and hatches had no visible leaks and 4) no evidence of significant spillage of produced liquids. In addition, BR's multi-skilled operators (MSOs) are required to visit each well location once per week. If detected on either inspection, BR shall remove any visible or measurable layer of oil from the fluid surface of a below-grade tank in an effort to prevent significant accumulation of oil overtime. The written record of the monthly inspections will include the items listed above and will be maintained for five years.
- 5. BR shall require and maintain a 10" adequate freeboard to prevent overtopping of the below-grade tank.
- 6. If the below grade tank develops a leak, or if any penetration of the pit liner or below grade tank, occurs below the liquid's surface, then BR shall remove all liquid above the damage or leak line within 48 hours. BR shall notify the appropriate district office. BR shall repair or replace the pit liner or below grade tank, within 48 hours of discovery. If the below grade tank or pit liner does not demonstrate integrity, BR shall promptly remove and install a below grade tank or pit liner that complies with Subsection I of 19.15.17.11 NMAC. BR shall notify the appropriate district office of a discovery of leaks less than 25 barrels as required pursuant to Subsection B of 19.15.3.116 NMAC shall be reported within twenty-four (24) hours of discovery of leaks greater than 25 barrels. In addition, immediate verbal notification pursuant to Subsection B, Paragraph (1), and Subparagraph (d) of 19.15.3.116 NMAC shall be reported to the division's Environmental Bureau Chief.

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

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

#### General Requirements:

- 1. BR shall close a below-grade tank within the time periods provided in Subsection A of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of f19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) permitted below-grade tanks within 60 days of cessation of the below-grade tank's operation., or c) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, BR will file the C144 Closure Report as required.
- 2. BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. BR will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- 4. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.
- 5. BR shall test the soils beneath the below-grade tank to determine whether a release has occurred. BR shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 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
  - 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