District II

State of New Mexico
Energy Minerals and Natural Resources
Department

 $\label{eq:July 21, 2008} I July \ 21, 2008$ For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

Form C-144

District II
1301 W Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec NM 87410

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

1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	For permanent pits and exceptions submit to the Santa Fe		
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		Environmental Bureau office and provide a copy to the appropriate NMOCD District Office		
	Pit, Closed-Loop System, Below-Grad	le Tank, or		
4449 Propo	osed Alternative Method Permit or Clos	sure Plan Application		
Type of action:	X Permit of a pit, closed-loop system, below-grade to	ank, 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 permit			
	below-grade tank, or proposed alternative method			
•	oplication (Form C-144) per individual pit, closed-loop			
	this request does not relieve the operator of liability should operations reserve the operator of its responsibility to comply with any other applicable groups.			
1 0 P !! P 0!!		OCP.ID.// 14500		
Operator: Burlington Resources Oil Address: PO Box 4289, Farmington		OGRID#: 14538		
Facility or well name: Lambe 1C	II, INIVI 8/499			
	0-045-34503 OCD Permit Numbe	Sur.		
U/L or Qtr/Qtr: K(NE/SW) Section				
Center of Proposed Design: Latitude	· <u></u> · <u></u>	County: San Juan 1927 1983 1927 1983		
Surface Owner: X Federal	State Private Tribal Trust or Indian			
	Trivate Caracter Australia			
Pit: Subsection F or G of 19.15.17	ZII NMAC			
Temporary: Drilling Work				
	avitation P&A			
		HDPE PVC Other		
String-Reinforced				
	ctory Other Volume:	bbl Dimensions Lx Wx D		
3				
`-¬	on H of 19.15.17 11 NMAC			
Type of Operation: P&A		activities which require prior approval of a permit or		
	notice of intent)			
	nd Steel Tanks Haul-off Bins Other r type: Thickness mil LLDPE H	HDPE PVD Other		
	r type: Thicknessmil LLDPE H ctory Other	IDFE LIVE LOUISI		
4	of 19 15 17 11 NMAC			
Volume: 120 bb				
Tank Construction material:	Metal			
Secondary containment with leak det	tection X Visible sidewalls, liner, 6-inch lift and auto	omatic overflow shut-off		
Visible sidewalls and liner	Visible sidewalls only Other			
Liner Type: Thickness 45	mil HDPE PVC X Other L	LLDPE		
5				
Alternative Method:				
Submittal of an exception request is requ	uired. Exceptions must be submitted to the Santa Fe Environ	mental 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, institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet X Alternate. Please specify 4' hogwire fence with a single strand of barbed wire on top.							
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)							
Signs: Subsection C of 19.15.17.11 NMAC 12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers 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: Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval. (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.							
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 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)	□ 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. (Applied to permanent pits)	Yes X NA	No					
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image							
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 municipality. Written approval obtained from the municipality	Yes	XNo					
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes	XNo					
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes	XNo					
 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	XNo					

Oil Conservation Division Page 2 of 5

Form C-144

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
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
Treviously Approved Operating and Mannenance Flair Art
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
ETOSION CONTOL PIAN
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
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Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 14 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 Below-grade Tank Closed-loop System
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 14 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
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 14 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
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 14
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Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 14
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
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Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 14
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:
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 14

Form C-144 Oil Conservation Division Page 3 of 5

16		
Waste Removal Closure For Closed-loop Systems That Utilize Above Gre Instructions Please identify the facility or facilities for the disposal of liquids	und Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)	0
facilities are required.		
Disposal Facility Name:	Disposal Facility Permit #:	
Disposal Facility Name:		
Will any of the proposed closed-loop system operations and associate Yes (If yes, please provide the information No	ed activities occur on or in areas that will nbe used for future	e service and
Required for impacted areas which will not be used for future service and ope		
Soil Backfill and Cover Design Specification - based upon the Re-vegetation Plan - based upon the appropriate requirements of	•• •	NMAC
Site Reclamation Plan - based upon the appropriate requirement		
17 Siting Criteria (Regarding on-site closure methods only: 19 15.17 1	0 NMAC	
Instructions Each siting criteria requires a demonstration of compliance in the closure		w Requests regarding changes to
certain siting criteria may require administrative approval from the appropriate district office for consideration of approval Justifications and/or demonstrations of equivalence		Santa Fe Environmental Bureau
Ground water is less than 50 feet below the bottom of the buried wast		Yes No
- NM Office of the State Engineer - iWATERS database search, USGS:		N/A
•	·	
Ground water is between 50 and 100 feet below the bottom of the but - NM Office of the State Engineer - iWATERS database search; USGS, I		Yes No
- IVM Office of the State Engineer - IVM TERS database search, USGS, I	Jata Obtained from hearby wens	∐N/A
Ground water is more than 100 feet below the bottom of the buried w		Yes No
- NM Office of the State Engineer - iWATERS database search, USGS; I	Data obtained from nearby wells	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any oth (measured from the ordinary high-water mark)	er significant watercourse or lakebed, sinkhole, or playa lake	Yes No
- Topographic map; Visual inspection (certification) of the proposed site		
Within 300 feet from a permanent residence, school, hospital, institution, or c	**	Yes No
- Visual inspection (certification) of the proposed site: Aerial photo, satell	ite image	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring tha	t less than five households use for domestic or stock watering	
purposes, or within 1000 horizontal fee of any other fresh water well or spring - NM Office of the State Engineer - IWATERS database; Visual inspection	g, in existence at the time of the initial application	
Within incorporated municipal boundaries or within a defined municipal fresh pursuant to NMSA 1978, Section 3-27-3, as amended.	·	Yes No
- Written confirmation or verification from the municipality; Written app	roval obtained from the municipality	
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map; V	isual inspection (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine.	isual inspection (continued by or the proposed site	☐Yes ☐No
- Written confirantion or verification or map from the NM EMNRD-Min	ing and Mineral Division	
Within an unstable area.		Yes No
 Engineering measures incorporated into the design; NM Bureau of Geol Topographic map 	ogy & 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) Instructions by a check mark in the box, that the documents are attached.	s: Each of the following items must bee attached to the cl	osure plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the a	ppropriate requirements of 19.15.17.10 NMAC	
Proof of Surface Owner Notice - based upon the appropriate re	• • •	
Construction/Design Plan of Burial Trench (if applicable) base	•	С
Construction/Design Plan of Temporary Pit (for in place buria		
Protocols and Procedures - based upon the appropriate require	• • • • • • • • • • • • • • • • • • • •	
Confirmation Sampling Plan (if applicable) - based upon the a	ppropriate requirements of Subsection F of 19.15.17.13 N	MAC
Waste Material Sampling Plan - based upon the appropriate re	quirements of Subsection F of 19.15.17.13 NMAC	
Disposal Facility Name and Permit Number (for liquids, drilling	ng fluids and drill cuttings or in case on-site closure standa	rds cannot be achieved)
Soil Cover Design - based upon the appropriate requirements		
Re-vegetation Plan - based upon the appropriate requirements		
Site Reclamation Plan - based upon the appropriate requireme	nts of Subsection G of 19.15.17.13 NMAC	

Form C-144

Operator Application Certification: I hereby certify that the information submitted with this application is true, accur-	ate and complete to the b	pest of my knowledge and belief.
Name (Print): Dollie L. Busse	Title:	Staff Regulatory Technician
Signature:	2a_ Date:	11/20/09
e-mail address: dollie.l.busse@conecophillips.com	Telephone:	505-324-6104
OCD Approval: Permit Application (including closure plan)	Closure Plan (only	OCD Conditions (see attachment) Approval Date: /- 5 -
Title: Eyuio/Spec	OCD Par	mit Number:
Time.	OCD TEI	mit Number.
Closure Report (required within 60 days of closure completion): Substructions: Operators are required to obtain an approved closure plan prior to report is required to be submitted to the division within 60 days of the completion approved closure plan has been obtained and the closure activities have been co	implementing any closi n of the closure activities mpleted.	re activities and submitting the closure report. The closure
22 Characa Matha di		
Closure Method: Waste Excavation and Removal On-site Closure Method If different from approved plan, please explain.	Alternative Closur	e Method Waste Removal (Closed-loop systems only)
Closure Report Regarding Waste Removal Closure For Closed-loop System: Instructions: Please identify the facility or facilities for where the liquids, drilli were utilized. Disposal Facility Name: Disposal Facility Name. Were the closed-loop system operations and associated activities performed of Yes (If yes, please demonstrate compliance to the items below)	ing fluids and drill cuttin Disposal Facilio Disposal Facilio	ngs were disposed. Use attachment if more than two facilities y Permit Number: y Permit Number
Required for impacted areas which will not be used for future service and open Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique		
24 <u>Closure Report Attachment Checklist:</u> Instructions: Each of the following the box, that the documents are attached.	owing items must be atto	ached to the closure report. Please indicate, by a check mark in
Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure)		
Plot Plan (for on-site closures and temporary pits)		
Confirmation Sampling Analytical Results (if applicable)		,
Waste Material Sampling Analytical Results (if applicable)		
☐ Disposal Facility Name and Permit Number ☐ Soil Backfilling and Cover Installation		
Re-vegetation Application Rates and Seeding Technique		
Site Reclamation (Photo Documentation)		
On-site Closure Location: Latitude:	Longitude:	NAD 1927 1983
25		
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure the closure complies with all applicable closure requirements and conditions spe		•
Name (Print):	Title:	•
Signature:	Date:	
e-mail address:	Telephone:	



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

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

E-1 1 14 14 14 14 14 14 14 14 14 14 14 14		(quarte	rs a	re s	ma	allest	to larg	est) (N	NAD83 UTM	in meters)		(In feet)
POD Number	Sub basin Use (Κ.		Q 16		Sec	Tws	Rng	X			Depth V WaterCo	-
SJ 00163	IND	SJ	1	4	1	28	31N	10W	242330	4084609*	1538		
SJ 00163 EXPL	IND	SJ	3	4	1	28	31N	10W	242330	4084409*	1538		
SJ 00830 -EXPLOR	EXP	SJ			3	15	31N	10W	243864	4087104*	550		
SJ 00967	DOM	SJ		3	4	27	31N	10W	244351	4083653*	130	90	40
SJ 00990	DOM	SJ		3	4	27	31N	10W	244351	4083653*	162	110	52
SJ 01198	DOM	SJ		4	3	17	31N	10W	240842	4086962*	158	97	61
SJ 01483	DOM	SJ	1	4	4	27	31N	10W	244648	4083737*	195	150	45
SJ 02960	DOM	SJ	2	4	4	27	31N	10W	244848	4083737*	200	150	50
SJ 03178	DOM	SJ	2	4	4	27	31N	10W	244848	4083737*	235	150	85
SJ 03539	DOM	SJ	3	4	4	27	31N	10W	244648	4083537*	205	124	81
	•								Avera	ige Depth t	o Water	124 fe	et
										Minimur	n Depth	90 fe	et
										Maximun	n Depth:	150 fe	et

Record Count: 10

PLSS Search:

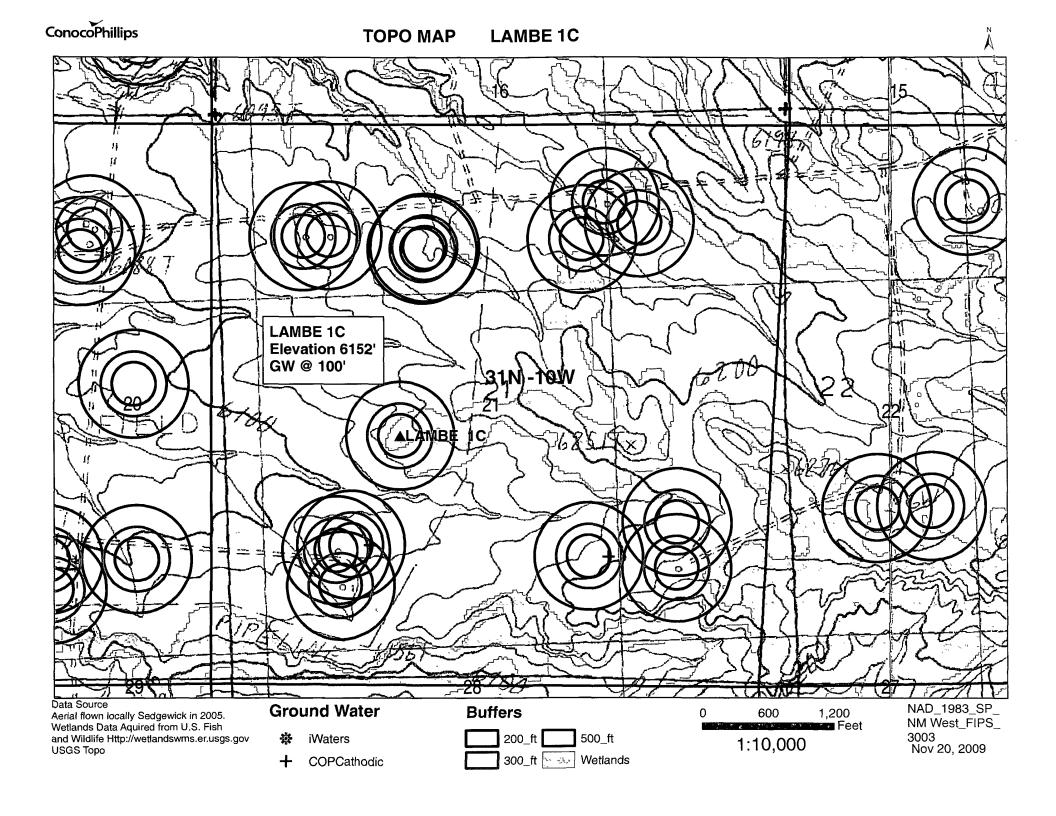
Section(s): 15, 16, 17, 20, Township: 31N Range: 10W 21, 22, 27, 28,

29

*UTM location was derived from PLSS - see Help

11/20/09 7:26 AM

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the data.



Form 3160-4 (October 1890)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

REC (See play in)

FOR APPROVED OMB NO. 1004-0137

CAN FEELD (DEFFICE

Explics Occember 31, 1991

AUG 1 9 2000 5. LEASE DESIGNATION AND SERIAL NO.

SF-03187 WELL COMPLETION OR RECOMPLETION REPORT AND LOG* BAIFINDIAN, ALLOTTEE OR TRIBE NAME Ia. TYPE OF WELL: WELL X UNIT AGREEMENT NAME P TYPE OF COMPLETION: Recett WELL WORK DEEP-EN Lambe #1C 2. NAME OF OPERATOR 8. API WELL NO. 30-045-34503 - occi Burlington Resources Oil & Gas, LP a ADDRESS AND TELEPHONE NO. FIELD AND POOL, OR WILDCA PO BOX 4269, Farmington, NM 67499 (505) 326-9700 Basin DK/Blanco MV SEC., T., R., M., GR BLOCK AND SURVEY 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) Unit K (NESW), 2225' FSL 1615' FWL OR AREA Sec. 21, T31N, R10W, NMPM At top prod. interval reported below Same as above RCVD AUG 25 '08 OIL CONS. DIV. At total depth Same as above DIST, 3 14. PERMITNO, DATE ISSUED 12. COUNTY OF PARISH New Mexico San Juan 16. DATE SPUIDDED 19. ELEV. CASINGHEAD DATE T.D. REACHED IB. ELEVATIONS (OF, RKB, RT, BR, ETC.) 4/28/0B 5/16/08 8/12/08 6166 GL 6152 KB ROTARY TOOLS CABLE TOOLS 20. TOTAL DEPTH, MO ATVO 21. PLUG BACK T.O., MD STVD 22. IF MIN TIPLE COMPL 23 INTERVALS HOW MANY ORILLED BY 7555 7511 24 PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD) 26 WAS DIRECTIONAL SURVEY MADE Blanco Mesaverde 4410' - 4902' No 28. TYPE ELECTRIC AND OTHER LOGS RUN 27, WAS WELL CORED GR/CCL/CBL No CASING RECORD (Report all strings set in well) CASING SIZE/GRADE WEIGHT, LBJFT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED 9 5/8° 32:3#, H-40 278 268 12 1/4" surface; 173 sx 5 bble (221 cf) 8.3/4" 75 bbls 20#. J-65 3215 surface 539 sx DV too! @ 23121 4 1/2 10.5# /11.6#, J-5 7554 6174 TOC 8550; 818 ax (Includes sqz Jobs) LINER RECORD TUBING RECORD SACKS CEMENT SCREEN (MO) SIZE TOP (MD) BOTTOM (ME) DEPTH SET (MO) PACKER SET (MD) SIZE 2-3/8*,4.7#, J-55 7448 PERFORATION RECORD (Interval, size and number ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Mesaverde - Upper Menefee / Cliffhouse 4410' - 4902' Acidized w/10 bbls 15% HCI .34" holes @ 1 spf Frac'd w/1091 bbls slickwater w/100,000 # 20/40 4410' - 4902' Arizona sand & 1113 mscf N2. Total holes = 30 holes PECOUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas III), pumping—size and type of pump) WELLSTARUS (Production of Shubin) 91 Flowing 81 DATE OF TEST MUAS TESTED CHOKE SIZE ROD'N FOR OH .. PIPI GAS...MCF GAS-OIL RATIO TEST PERIOD 87/8/08 1/2 0 baph 29 mcf trace FLOW, TUBING PRESS CASING PRESSURE GAS JUCE ALCULATED WATER .. RR OV. GRAVITY-API (CORR.) 24-HOUR RATE SI - 849# SI - 580# 710 metd 34. DISPOSITION OF GAS (Sold, used for hugh vi EST WITNESSED B To be sold 35. LIST OF ATTACHMENTS This is a MV/DK well being DHC per order 2802 AZ 36 I hereby corely that the foreigning and attached information is complete and correct as determined from all evaluable record BIGNED Regulatory Specialist -8/19/08. TO FORTEROPD *(See Instructions and Spaces for Additional Data on Reverse Side) Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and wilfully to make to any department of agency of the AUG 2 1 2008 United States any false, fictilious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD M

OCD CATHODIC PROTECTION DEEPWELL GROUNDBED REPORT DATA SHEET: NORTHWESTERN NEW MEXICO

OCATION INFORMATION API Humber 30-045-34503
NELL NAME OR PIPELINE SERVED: Lumbe #1C LEGAL LOCATION. Sec. 21,731, ROS RISTALLATION DATE 11/14/00
PEO RECIFER NO.: AUDITIONAL WELLS:
YPE OF LEASE WUMBER: NM-O3167
ROUND BED INFORMATION
TOTAL DEPTH: 290 CASING DIAMETER: 800 TYPE OF CASING. PUC CASING DEPTH: 200 CASING CEMENTED:
TOP ANODE DEPTH: 190 BOTTOM ANDDE DEPTH: 250
ANSDE DEPTHS: 290, 270, 240, 250, 240, 230, 270, 210, 200, 198
AMOUNT OF COKE 2,100 lbs
<u>WATER INFORMATION</u>
WATER DEPTH (I): 100 WATER DEPTH (2): -0 -
GAS BEPTIL CEMENT PLUGS:
OTHER INFORMATION
TOP OF VENT PERFORATIONS: 170 VENT PIPE DEPTIL 200
EMARKS:

IF ANY OF THE ABOVE DATA IS UNAVAILABLE, PLEASE INDICATE SO. COPIES OF ALL LOGS, INCLUDING DRILLERS LOGS, WATER ANALYSIS, AND WELL BORE SCHEMATICS SHOULD BE SUBMITTED WHEN AVAILABLE, UNPLUGGED UNABANDONED 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.

TIERRA CORROSION CONTROL, INC. DRILLING LOG

COMPANY: Conoco Phillips LOCATION: Lambe 1C

STATE: NM BIT SIZE: 7 7/8"

LBS COKE BACKFILL: 2,100# ANODE TYPE: 2" X 60" Duriron DATE: November 14, 2008 LEGALS: Sec21 T31N R10W

DRILLER: Eugene Silago

CASING SIZE/TYPE: 8" X 20' PVC

VENT PIPE: 290' ANODE AMOUNT: 10 COÜNTY: San Juan DEPTH: 291'

COKE TYPE: Asbury PERF PIPE: 170' – 190' BOULDER DRILLING: 70'

DEPTH	DRILLER'S LOG	AMPS	DEPTH	DRILLER'S LOG	AMP
20	Clay		310		
25	Sand		315		1
30			320		
35	Gravel/Boulders		325		
40			330		
45			335		1
50		.1	340		T
55		1	345		
60		.1	350		
65		1	355		
70		.1	360		
75		1	365		I
BD		.1	370		
85		2	375		
90		.3	380		<u> </u>
95		1.0	385	· · · · · · · · · · · · · · · · · · ·	
100		1.7	390		
105	Clay	1.2	395		
110		1.7	400		
115		1.5	405		
120	<u> </u>	1.7	410		
125	Sandstone	1.9	415		
130		1.4	420		
135		1.6	425		
140		1.5	430	············	
145		1.2	435		1
150		1.1	440		
155	<u> </u>	1.0	445		_}
160	Shale	1.0	450		
165		1.1	455		
170		1.2	460		. [
175		1.5	465		
180		1.6	470		
185		1.7	475		Ι
190		1.8	480		
195		1.6	485		
200		1.7	490		
205		1.9	495		
210		2.1	500		<u>.L</u>
215		2.1	ļ <u>.</u>		1
220		2.1	 		1
225		3.0			_
230		3.0	ļ		
235		2.7	 		
240		2.8	 		-
245		3.0	.		_
250		3.1			-
255		3.0	.		-
260		2.9	ļ		
265		2.6	J		
270		3.1			1
275		3.0			
280		2.6			
285		2.5		*** */-//**	
290		2.1			
295	Ą				
300					
305		1			

			HATTER CONTRACTOR CONTRACTOR
ANODE#	DEPTH	NO COKE	COKE
1	280	2.6	8.1
2 3 4	270	3.1	8.3
3	260	2.9	7.5
	250	3.1	8.0
5	240	2.8	6.8
6 7	230	3.0	6.0
	220	2.1	4.9
8	210	2.1	5.0
9	200	1.7	4.6
10	190	1.8	4.7
11			
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WATER DEPTH: 100' ISOLATION PLUGS: LOGING VOLTS: 12.4

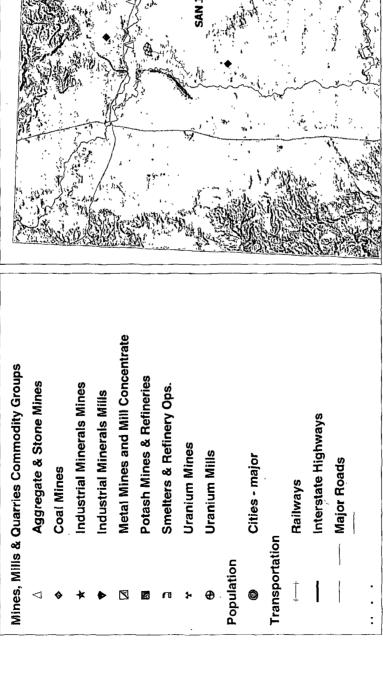
VOLT SOURCE: AUTO BATTERY

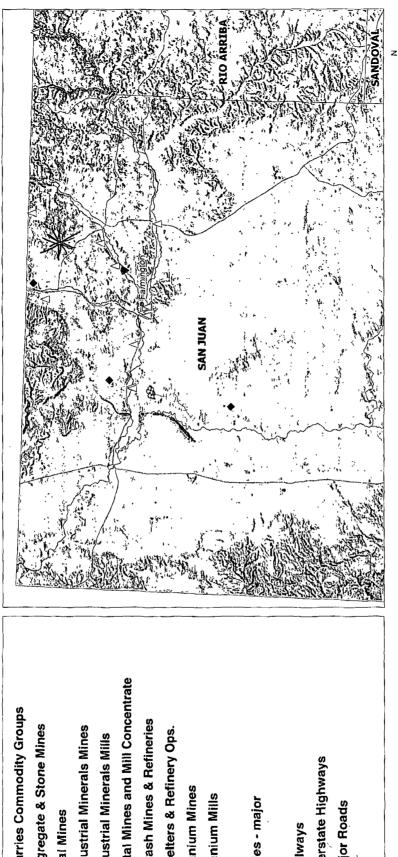
TOTAL AMPS: 14.6

TOTAL GB RESISTANCE: .63

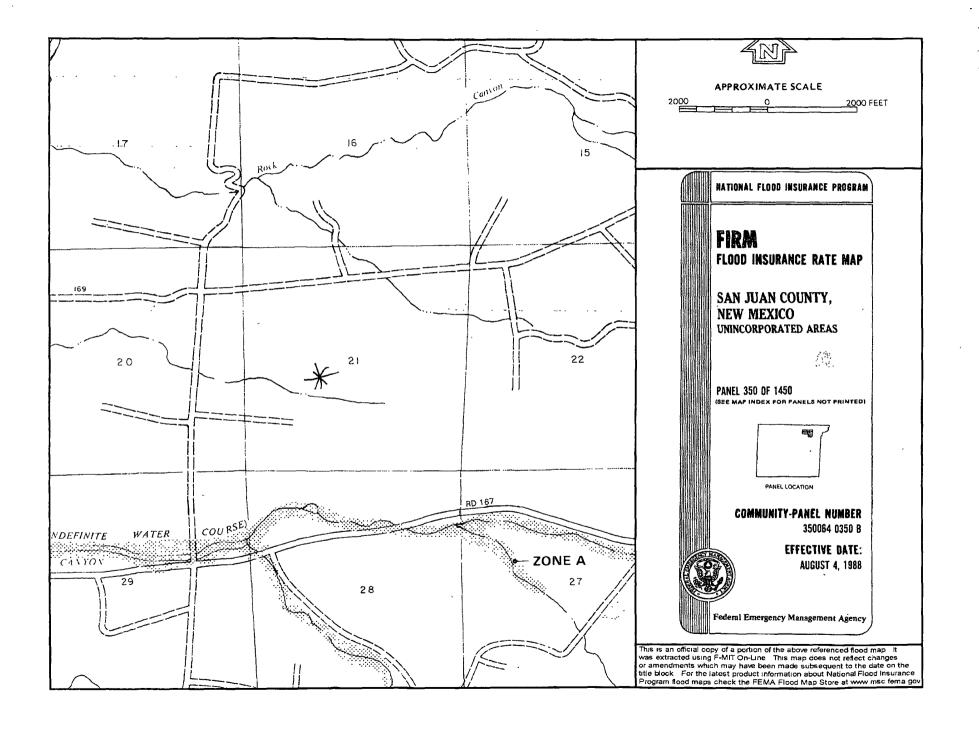
REMARKS:

Lambe 1C Mines, Mills & Quarries









Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The Lambe 1C 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 subject well has an elevation of 6152' and the groundwater depth is 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.

Hydrogeological Report for Lambe 1C

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.

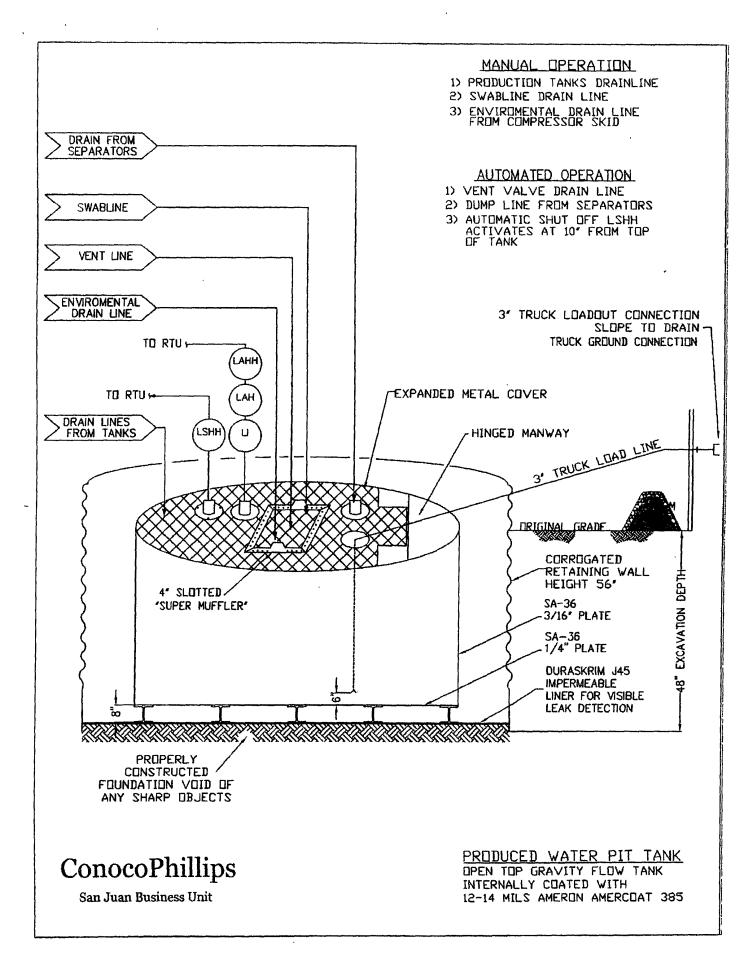
Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Design and Construction

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 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.
- 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.

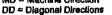


DURA-SKRIM®

130,1362,145

PROPERTIES	TEST METHOD	J30BB		J 36	вв	J45BB		
		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	
Appearance		Blac	k/Black	Black	Black	Black/	Black	
Thickness	ASTM D 5199	27 mil	30 mil	32 mil	36 mil	40 mil	45 mil	
Weight Lbs Per MSF (oz/yd²)	ASTM D 5261	126 lbs (18.14)	140 lbs (20.16)	151 lbs (21.74)	168 lbs (24.19)	189 lbs (27.21)	210 lbs (30.24)	
Construction		**Extr	usion laminated	with encapsular	ted tri-direction	al scrim reinforc	ement	
Ply Adhesion	ASTM D 413	16 lbs	20 lbs	19 lbs	24 lbs	25 lbs	31 lbs	
1 Tensile Strength	ASTM D 7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD 70 lbf DD	113 lbf MD 87 lbf DD	110 lbf MD 84 lbf DD	138 lbf MD 105 lbf DD	
L Tensile Elondation @ Breaki % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	
1 Tensile/Elongation @ Peak: % (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 (bf MD 90 (bf DD	75 lbf MD 75 lbf DD	104 lbf MD 92 lbf DD	100 lbf MD 100 lbf DD	117 lbf MD 118 lbf DD	
Grab Tensile	ASTM D 7004	180 lbf MD 180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD 220 lbf DD	257 lbf MD 258 lbf DD	
Trapezoid Tear	ASTM D 4533	120 lbf MD 120 lbf DD	146 lbf MD 141 lbf DD	130 lbf MD 130 lbf DD	189 lbf MD 172 lbf DD	160 lbf MD 160 lbf DD	193 lbf MD 191 lbf DD	
Dimensional Stability	ASTM D 1204	<1	<0.5	<1	<0.5	<1	<0.5	
Puncture Resistance	ASTM D 4833	50 lbf	64 lbf	65 lbf	83 lbf	80 lbf	99 lbf	
Maximum Use Temperature		180° F	180° F	180° F	180° F	18 0° F	180° F	
Minimum Use Temperature		-70° F	-70° F	-70° F	-70 ° F	-70° F	-70° F	

MD = Machine Direction





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

INDUSTRIES

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 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 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 19.15.17.11 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