District I

3625 N. French Dr., Hobbs, NM 88240

1301 W. Grand Ave , Artesia, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico Energy Minerals and Natural Resources

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

For temporary pits, closed-loop sytems, and below-grade

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.

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

Type o		em, below-grade tank, or proposed alter stem, below-grade tank, or proposed alte	
	—	an existing permitted or non-permitted	pit, closed-loop system,
Instructions: Please su	below-grade tank, or proposed a bmit one application (Form C-144) per individ		e tank or alternative request
	that approval of this request does not relieve the operator of liables approval relieve the operator of its responsibility to comply with		=
	sources Oil & Gas Company, LP	OGRID#: <u>14538</u>	
Address: PO Box 4289,			
-	ANJUAN 27-4 UNIT 140B		
API Number:	30-039-30487	OCD Permit Number:	
U/L or Qtr/Qtr: H(SE/N		Range: 4W County: Ri	
Center of Proposed Design Surface Owner: X		Longitude: 107.2244388 ° ibal Trust or Indian Allotment	W NAD: ☐1927 X 1983
Lined Unline String-Reinforced Liner Seams: Weld		Volume:bbl Dimensions L	x Wx D
Type of Operation:		r Drilling (Applies to activities which require ent)	prior approval of a permit or
Drying Pad Unline Liner Seams: Welde		Other LLDPE HDPE PVD Ot	ther RECENTER
X Below-grade tank: Volume: 120	Subsection I of 19.15.17.11 NMAC bbl Type of fluid: Produced W	v'ater	01 CONS. DIN. DIST. 3
Tank Construction materia			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Secondary containment Visible sidewalls and Liner Type: Thicknes	liner Visible sidewalls only Ot	r, 6-inch lift and automatic overflow shut-off her X Other LLDPE	
5 Alternative Metho Submittal of an exception	d: request is required. Exceptions must be submitted to	the Santa Fe Environmental Bureau office fo	or 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 of the light, four strands of barbed wire evenly spaced between one and four feet 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)	tion or church,)
Signs: Subsection C of 19.15.17.11 NMAC 12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers X Signed in compliance with 19.15.3.103 NMAC	`	
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration (Fencing/BGT Liner) Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	eration of appr	oval.
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 XNA	No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<u></u>	
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	X No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes	XNo
Within a 100-year floodplain - FEMA map	Yes	XNo

Form C-144 Oil Conservation Division Page 2 of 5

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
X Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9
X Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
X Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
X Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of
19.15.17.9 NMAC and 19.15.17 13 NMAC
Previously Approved Design (attach copy of design) API or Permit
12
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9
NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API
Previously Approved 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
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
Waste Removal (Closed-loop systems only)
On-site Closure Method (only for temporary pits and closed-loop systems)
In-place Burial On-site Trench
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Waste Excavation and Removal Closure Plan Checklist (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.
X Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
X Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
X Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
X Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
X Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Oil Conservation Division Page 3 of 5

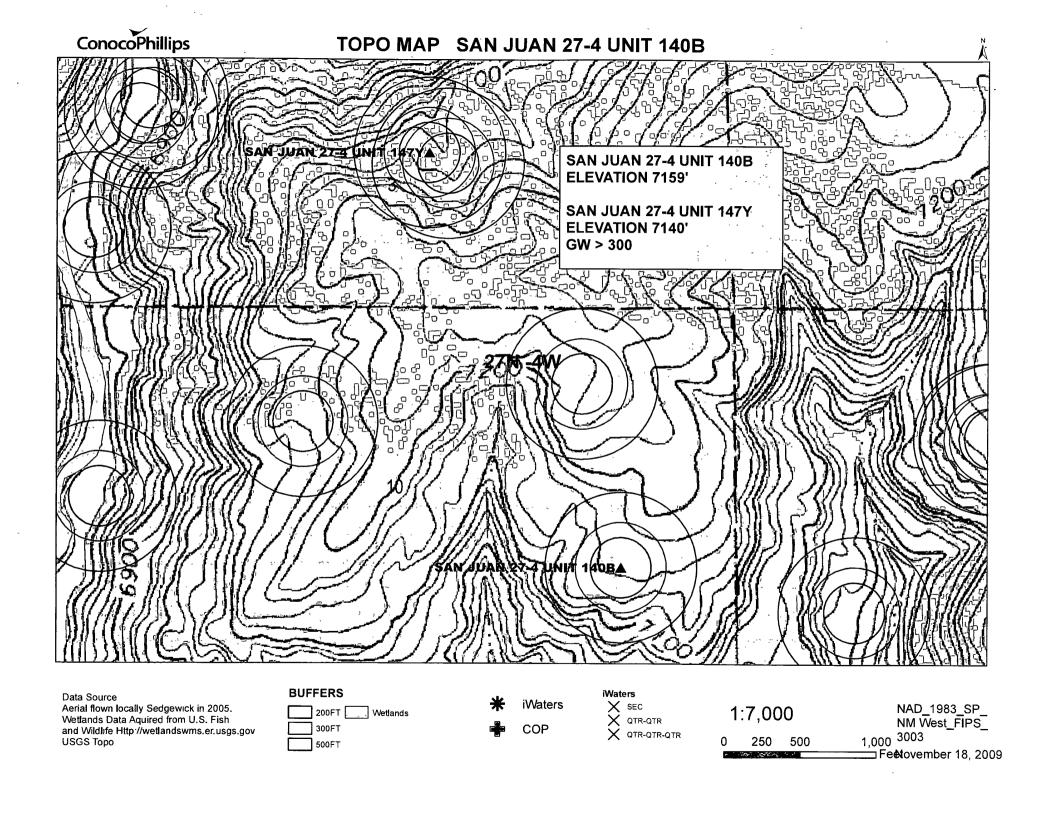
Form C-144

16		
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground St Instructions Please identify the facility or facilities for the disposal of liquids, drillin facilities are required.	teel Tanks or Haul-off Bins Only:(19 15.17.13.D NMAC) ng fluids and drill cuttings Use attachment if more than two	
Disposal Facility Name:	Disposal Facility Permit #:	
Disposal Facility Name:		
Will any of the proposed closed-loop system operations and associated activ		
Required for impacted areas which will not be used for future service and operation: Soil Backfill and Cover Design Specification - based upon the appro Re-vegetation Plan - based upon the appropriate requirements of Subsi	priate requirements of Subsection H of 19.15.17.13 N ection I of 19.15 17.13 NMAC	MAC
17 Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMA Instructions Each siting criteria requires a demonstration of compliance in the closure plan Ecertain siting criteria may require administrative approval from the appropriate district office of office for consideration of approval Justifications and/or demonstrations of equivalency are re-	Recommendations of acceptable source material are provided below or may be considered an exception which must be submitted to the Sc	
Ground water is less than 50 feet below the bottom of the buried waste.		Yes No
- NM Office of the State Engineer - IWATERS database search; USGS Data of	btained from nearby wells	∐N/A
Ground water is between 50 and 100 feet below the bottom of the buried water. NM Office of the State Engineer - tWATERS database search; USGS, Data ob		∏Yes ∏No ∏N/A
Consideration and the 100 Control and the town of the bank decree	·	
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data ob	stained from nearby wells	∐Yes ∐No ∏N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signi (measured from the ordinary high-water mark).	·	Yes No
Topographic map; Visual inspection (certification) of the proposed site		
Within 300 feet from a permanent residence, school, hospital, institution, or church i - Visual inspection (certification) of the proposed site; Aerial photo; satellite ima		Yes No
' is all impection (continuation) of the proposed site, right photo, saletime into	·ev	∏Yes ∏No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less the purposes, or within 1000 horizontal fee of any other fresh water well or spring, in ex - NM Office of the State Engineer - IWATERS database; Visual inspection (cert Within incorporated municipal boundaries or within a defined municipal fresh water visual transfer of the state o	istence at the time of the initial application. Ification) of the proposed site	Yes ∏No
pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality; Written approval of	btained from the municipality	
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map; Visual ir	respection (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine.	ing all the	Yes No
- Written confirantion or verification or map from the NM EMNRD-Mining and Within an unstable area.		Yes No
 Engineering measures incorporated into the design; NM Bureau of Geology & Topographic map 	Milicial Resources, 0.505, MM Geological Society;	
Within a 100-year floodplain FEMA map	:	Yes No
- FEMA map 18 On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each	ch of the following items must bee attached to the clo	sure plan. Please indicate,
by a check mark in the box, that the documents are attached.		
Siting Criteria Compliance Demonstrations - based upon the appropriate require Proof of Surface Owner Notice - based upon the appropriate require	-	
Construction/Design Plan of Burial Trench (if applicable) based upon		•
Construction/Design Plan of Burnal Trench (if applicable) based upon Construction/Design Plan of Temporary Pit (for in place burial of a		
Protocols and Procedures - based upon the appropriate requirements		
Confirmation Sampling Plan (if applicable) - based upon the approp		IAC
Waste Material Sampling Plan - based upon the appropriate requires		
Disposal Facility Name and Permit Number (for liquids, drilling flu	ids and drill cuttings or in case on-site closure standard	ds cannot be achieved)
Soil Cover Design - based upon the appropriate requirements of Sub		
Re-vegetation Plan - based upon the appropriate requirements of Su		

Form C-144 Oil Conservation Division Page 4 of 5

19
Operator Application Certification: I hereby certify that the information submitted with this application is true, accupate and complete to the best of my knowledge and belief.
Signature: Date: Date:
e-mail address: marlee jaramillo@conocophillips.com Telephone: 505-326-9865
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Approval Date: (-5-6)
Title:OCD Permit Number:
Title: OCD Permit Number:
21
Closure Report (required within 60 days of closure completion): Subsection K of 19 15 17 13 NMAC
Instructions Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure
report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an
approved closure plan has been obtained and the closure activities have been completed.
Closure Completion Date:
22
Closure Method:
Waste Excavation and Removal On-site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)
If different from approved plan, please explain.
23 Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:
Instructions: Please identify the facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities
were utilized.
Disposal Facility Name: Disposal Facility Permit Number:
Disposal Facility Name Disposal Facility Permit Number
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?
Yes (If yes, please demonstrate compliane to the items below)
Required for impacted areas which will not be used for future service and operations:
Site Reclamation (Photo Documentation)
Soil Backfilling and Cover Installation
Re-vegetation Application Rates and Seeding Technique
24
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in
the box, that the documents are attached.
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
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 report is ture, accurate and complete to the best of my knowledge and belief. I also certify that
the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.
Name (Print):
Signature: Date
Significant v.
e-mail address: Telephone:

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TIERRA CORROSION CONTROL, INC. **DRILLING LOG**

COMPANY: Conoco Phillips

LOCATION: San Juan 27-4 #147Y

STATE: NM BIT SIZE: 7 7/8"

LBS COKE BACKFILL: 2,600# ANODE TYPE: 3" X 60" Duriron_ **DATE: August 25, 2008** LEGALS: Sec3 T27N R4W

DRILLER: Gilbert-Reck

CASING SIZE/TYPE: 8" X 20' PVC VENT PIPE: 300' ANODE AMOUNT: 10

COUNTY: Rio Arriba

DEPTH: 300'

COKE TYPE: Asbury

PERF PIPE: 140'

BOULDER DRILLING: None

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WATER DEPTH None ISOLATION PLUGS: LOGING VOLTS: \12.47 **VOLT SOURCE: AUTO BATTERY** TOTAL AMPS: 17.8 **TOTAL GB RESISTANCE: .70 REMARKS:**

Form 3160-4 (Outober 1990)

UNITED STATES RECEIVED TO THE INTERIOR BUREAU OF LAND MANAGEMENY JUL 9. 9. 7808

FOR APPROVED OMB NO 1004-0137

Express December 31, 1991
5. LEASE DESIGNATION AND SERIAL NO.

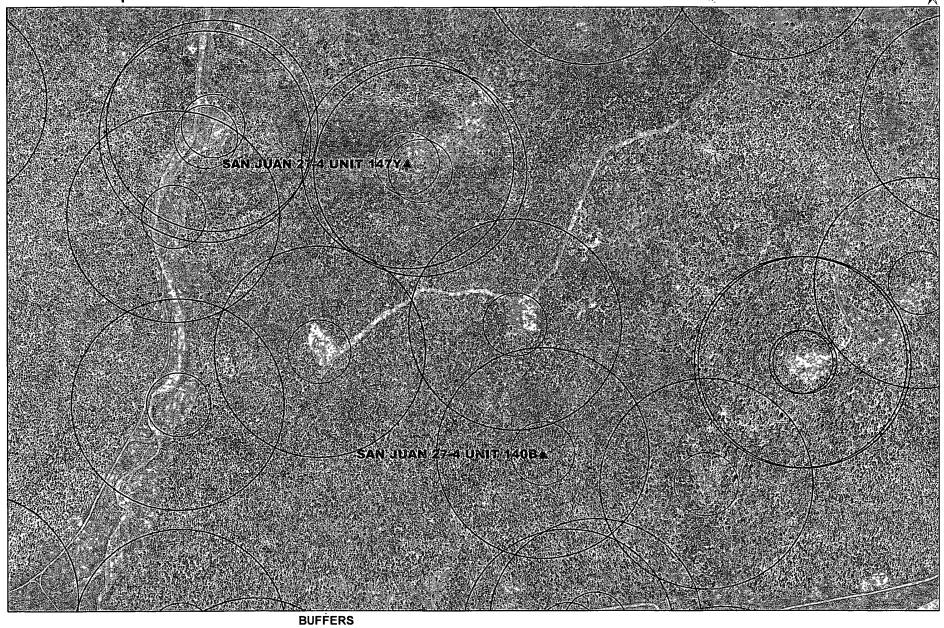
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NAME OF OPERA	ATOR							9 AF	San Juan 2	27-4 Unit 147Y
BURLING	TON RES	OURCES (DI & GAS CO	MPANY.	- •].	30-039-303	43-0051
ADDRESS AND T		- '		(AE) 006 0700				10. F	IELD AND POOL,	OR WILDCAT
LOCATION OF W	ELL (Report	lington, Ni location cles	M 87489 (5	105) 326-9700 Tance with any State re	Othomoste 19			1		R SLOCK AND SURVEY
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ASING SIZE/GRADE	WEIGH	IT, LB /FT	DEPTH SET (EMENTING REC	ORO		AMOUNT PULLED
9 5/8" H-40	94 44		229'							
	32.3#			12 1/4"	surface; 76 s		(122 cf)		1/4 bbls	
7" J-55	20/23 10.58	*	4249°	12 1/4" 8 3/4" 6 1/4"	surface; 401	SX	(952 cf)		1/4 bbls 16 bbls	
?" J-55 4 1/2"/ J-55	20/23 10.58	UNER RE	4249° 8521°	8 3/4		SX	(952 cf)			ao
?" J-55 4 1/2"/ J-55	20/23 10.58	#	4249° 8521°	© 1/8 a	surface'; 401 TOC 3380' 28 30. SIZE	5X (-	(952 cf) 388 cf) DEPTH SET		16 bbis IUBING RECOR	RD PACKER SET (MD)
?" J-55 4 1/2"/ J-55	20/23 10.58	UNER RE	4249* - 852** CORD	€ 1/A====================================	surface"; 401 TOC 3388; 24 30.	5X (-	(952 cf) 385 cf)		16 bbis TUBING RECOR	
7" J-55 4 1/2" J-55 SIZE TOP (A	20/23 10.58 40) BOT	LINER RETOM (MD)	4249' 852' CORD SACKS CEME	8 3/4" 6 1/4" NT' SCREEN (MD)	surface"; 401 TOC 33807 28 30. SIZE 2-3/8", 4.78,	5x 178x (- 1-55	(952 cf) 385 cf) DEPTH SET 6268'	(MD)	16 bbis TUBING RECOR	PACKER SET (MD)
7" J-55 4 1/2" J-55 SIZE TOP (A PERFORATION REC	20/23 10.58 AD) BOT CORD (Interval	UNER RETOM (MD)	4249' 852' CORD SACKS CEME	8 3/4" # 1/4" NT* SCREEN (MD)	surface"; 401 TOC 33807 28 30. SIZE 2-3/8", 4.78,	1-55 CID, SI	(852 cf) SSE cf) DEPTH SET 6268' HOT, FRACTUR 5518 15% HC	(MD) &E, CEM L. Frac	16 bbis TUBING RECOR TUBING R	PACKER SET (MD) ETC. als 60Q N2
7" J-55 4 1/2" J-55 SIZE TOP (A PERFORATION REC	20/23 10.58 AD) BOT CORD (Interval	UNER RETOM (MD)	4249' 852' CORD SACKS CEME	8 3/4" 6 1/4" NT' SCREEN (MD)	surface"; 401 TOC 33807 28 30. SIZE 2-3/8", 4.78,	1-55 CID, SI	(852 cf) SSE cf) DEPTH SET 6268' HOT, FRACTUR 5518 15% HC	(MD) &E, CEM L. Frac	16 bbis TUBING RECOR TUBING R	PACKER SET (MD) ETC.
7" J-55 4 1/2" J-55 4 1/2" J-55 SIZE TOP (A PERFORATION REC " @ 1 8 PF O/LMIF 6156" - IF/CH 5624" - 6	20/23 10.68 40) BOT CORD (Interval 6476' = 36	LINER RETOR (MD)	4249' 852' CORD SACKS CEME	8 3/4" 6 1/4" NT' SCREEN (MD)	surface"; 401 TOC 3380; 22 30. SUZE 2-3/8", 4.7%,	J-55 CID, SI AJ10	(952 cf) 568 cf) DEPTH SET 6268' HOT, FRACTUF 6bis 15% HO frosm, w/99,4	(MD) &E, CEM L. Frac (728 20)	16 bbis TUBING RECOR ENT SQUEZE. W/11,096 g 40 Brady Ser	ETC. als 60Q N2 nd. N2 = 1257.2 SCF
7" J-55 4 1/2" J-55 4 1/2" J-55 SIZE TOP (A PERFORATION REC 1 @ 1 8 PF O/LMIF 6156" - F/CH 5624" - 6	20/23 10.68 40) BOT CORD (Interval 6476' = 36	LINER RETOR (MD)	4249' 852' CORD SACKS CEME	8 3/4" 6 1/4" SCREEN (MD) 33. 6185' - 6476'	surface"; 401 TOC 3380" 23 30. SUZE 2-3/8", 4.7%,	J-55 CID, SI AJ10	(952 cf) 568 cf) DEPTH SET 6268' HOT, FRACTUF 6bis 15% HO frosm, w/99,4	(MD) &E, CEM L. Frac (728 20)	16 bbis TUBING RECOR ENT SQUEZE. W/11,096 g 40 Brady Ser	PACKER SET (MD) ETC. als 60Q N2 nd. N2 = 1267.2 SCF
7" J-55 4 1/2" J-55 SIZE TOP (A PERFORATION REC " @ 1 8PF D/LMF 6156" - 6 al holes = 60 PERST PRODUCTIO	20/23 10.68 40) BOT CORD (Interval 6476' = 30	UNER RETOM (MD) Lars and num tholes holes	4248' - 8521' CORD SACKS CEME	8 3/4" 5 (//4" SCREEN (MD) 33. 6185' - 6476' 6624' - 6078'	surface": 401 TOC 3380; 23 30. SUZE 2-3/8", 4.7%,	I-55 CID, SI A/10 Slick	(952 cf) 568 cf) DEPTH SET 6268' HOT, FRACTUF 6bis 15% HO frosm, w/99,4	(MD) &E, CEMI L. Frac (728 20) L. Frac 39# 20)	TUBING RECORDER SOURCEZE. WH11,096 grady Seres w/116,187 grady Seres well status well sta	ETC. als 60Q N2 nd. N2 = 1257.2 SCF
7" J-55 4 1/2" J-55 SIZE TOP (A PERFORATION REC " @ 1 8 PF DILMF 6155" - IF/CH 5624" - 6 al holes = 60 EVERST PRODUCTION W/O Facilities	20/23 10.68 40) BOT CORD (Interval 6476' = 30	LINER RETOU (MD) Large and number of tholes hates	4248' - 8521' CORD SACKS CEME	8 3/4 5 1/4 5 1/4 NT SCREEN(MD) 52. 6185 - 6476 6824 - 6078	Surface*: 401 TOC 3380*: 23 30. SIZE 2-3/8**, 4.78**, A	J-55 CID, Si A/10 slick	(952 cf) 385 cf) DEPTH 8ET 6268' HOT, FRACTUS 5516 15% HC Froam, w/95,4 5516 15% HC	(MO) RE, CEMI L. Frac 1728 201 L. Frac 39# 201	TUBING RECORE ENT SQUEEZE. WH11,090 g 40 Brady Ser WH18,187 g 40 Brady Ser	ETC. als 60Q N2 nd. N2 = 1267.2 SCF als 60Q N2 nd. N2 = 1267.4 SCF
7" J-55 4 1/2" J-55 SIZE TOP (N PERFORATION REC " @ 1 8PF D/LMF 8155" - 6 al holes = 60 EFIRST PRODUCTIO M/O Facilities E OF TEST	20/23 10.68 40) BOT CORD (Interval 6476' = 30	LINER RETOU (MD) Large and number of tholes hates	4249' 8521' CORD SACKS CEME	8 3/4" 5 (//4" SCREEN (MD) 33. 6185' - 6476' 6624' - 6078'	Surface*: 401 TOC 3380*: 23 30. SIZE 2-3/8**, 4.78**, A	I-55 CID, SI A/10 Slick	(952 cf) 385 cf) DEPTH 8ET 6268' HOT, FRACTUS 5516 15% HC Froam, w/95,4 5516 15% HC	(MO) RE, CEMI L. Frac 1728 201 L. Frac 39# 201	TUBING RECORDER SOURCEZE. WH11,096 grady Seres w/116,187 grady Seres well status well sta	ETC. Alb 60Q N2
7" J-55 4 1/2" J-55 4 1/2" J-55 SIZE TOP (A PERFORATION REC 1" @ 1 8PF O/LMF 6155" - 6 al holes = 60 EFIRST PRODUCTIO M/O Facilities OF TEST 7/17/08	20/23 10.68 10.68 20RD (Interval 6476' = 30 2078' = 30	LINER RETOM (MD) Lare and num holes holes ESTEO	4248' 6521' CORD SACKS CEME SACKS CEME THORY CHOKE SIZE	8 3/4" 5 (/4" SCREEN (MD) 33. 6185' - 6476' 6624' - 6078' Flowing PRODN POR OXL.	Surface*; 401 TOC 3380; 23 30. SUZE 2-3/8*, 4.7%, A PRODUCTION SURFACE OF THE PROPERTY OF	J-55 CID, Si A/10 slick	(952 cf) 388 cf) DEPTH SET 6268' HOT, FRACTUR 651s 15% HC floam, w/99,4	(MD) 8E, CEM L. Fra 1728 20) 1. Fra 39# 20)	TUBING RECORE ENT SQUEEZE. WH11,090 g 40 Brady Ser WH18,187 g 40 Brady Ser	ETC. Alb 60Q N2
7" J-55 4 1/2" J-55 4 1/2" J-55 SIZE TOP (A PERFORATION REC * @ 1 8PF XLMF 8156' - F/CH 5624' - 6 al holes = 60 FIRST PRODUCTIO N/O Facilities OF TEST 7/17/08	20/23 10.68 10.68 20RD (Interval 6476' = 30 2078' = 30	LINER RETOM (MD) Lare and num holes holes ESTEO	4248' 8521' CORD SACKS CEMEI SACKS CEMEI	8 3/4" 5 (/4" SCREEN (MD) 33. 6185' - 6476' 6624' - 6078' Flowing PRODN POR OXL.	Surface*: 401 TOC 3380*: 23 30. SIZE 2-3/8**, 4.78**, A	J-55 CID, SI A/10 Slick	(952 cf) 385 cf) DEPTH SET 6268' HOT, FRACTUF 6bis 15% HC Floam, w/99,4 bbis 15% HC	(MD) 8E, CEM L. Fra 1728 20) 1. Fra 39# 20)	TUBING RECOR	ETC. als 60Q N2 nd. N2 = 1267.2 SCF ns 60Q N2 nd. N2 = 1267.4 SCF
7" J-55 4 1/2" J-55 SIZE TOP (A PERFORATION REC 9 1 8 PF O/LMIF 8155" - F/CH 5824" - 6 al holes = 60 FIRST PRODUCTIO N/O Facilities OF TEST 7/17/08 * TUBING PRESS: \$1-888#	20/23 10.58 10.58 20/20 BOT 6476' = 36 5078' = 30 N CASING P	UNER RETOM (MD) Lare and num tholes hales ESTEO RESSURE	4248' 8521' CORD SACKS CEME SACKS CEME CHORE SIZE CHORE SIZE 24-HOUR RATE 24-HOUR RATE	8 3/4" 5 (/4" SCREEN (MD) 33. 6185' - 6476' 6624' - 6078' Flowing PRODN POR OXL.	Surface*; 401 TOC 3380; 23 30. SUZE 2-3/8*, 4.7%, A PRODUCTION SURFACE OF THE PROPERTY OF	J-55 CID, SI A/10 Slick	(952 cf) 388 cf) DEPTH SET 6268' HOT, FRACTUR 651s 15% HC floam, w/99,4	(MD) 8E, CEM L. Fra 1728 20) 1. Fra 39# 20)	TUBING RECOR	ETC. als 60Q N2 nd. N2 = 1267.2 SCF als 60Q N2 nd. N2 = 1267.4 SCF movement of protection (CAS-OIL RAYIO) UIL GRAVITY APPLICORES (CAS-OIL RAYIO)
7" J-85 4 1/2" J-85 SDZE TOP (N PERFORATION REC " @ 1 8PF O/LMF 8156" - 6 all holes = 60 FIRST PRODUCTIO N/O Facilities OF TEST 7/17/08 V. TURING PRESS: S1-888# USFCSHOWO D. To be sold. V	20/23 10.68 10.68 20RD (Imarra 6476' = 30 2078' = 30 2078' = 30 2078' = 30 2078' = 30 2078' = 30	UNER RETOM (MD) Lare and num tholes holes ESTEO RESSURE	4248' 8521' CORD SACKS CEME SACKS CEME THOMAS THE THOO TH	8 3/4* 5 (/4* SCREEN (MD) 33. 6185' - 6476' 6624' - 6078' Flowing PRODN POR OXL.	944 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	J-55 CID, SI A/10 Slick	(952 cf) 388 cf) DEPTH SET 6268' HOT, FRACTUR 651s 15% HC floam, w/99,4	(MD) 8E, CEM L. Fra 1728 20: 4. Fra 39# 20:	TUBING RECOR	ETC. als 60Q N2 nd. N2 = 1267.2 SCF als 60Q N2 nd. N2 = 1267.4 SCF consider of protein and protei
7" J-58 4 1/2" J-58 SIZE TOP (N PERFORATION REC " @ 1 8PF O/LMF 8156" - IF/CH 5824" - 6 all holes = 60 All holes = 60 W/O Facilities FOF TEST 7/17/08 V. TUBING PRESS: S1-888# USSPCSHIONOLOGO To be sold. V	20/23 10.68 10.68 20/21 20/23	UNER RETOM (MD) Lare and num holes holes FROMO THESSURE AND THE STREET AND THE STREET AND THE STREET AND THE STREET THE STREET	4248' 8521' CORD SACKS CEME SACKS CEME THOMAS THE THOO TH	S 3/4 S (//4* SCREEN (MD) S3. 6185' - 6476' 6624' - 6078' Flowing PRODUEDR OIL-1 TEST PERIOD OIL-98L O	944 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	J-55 CID, SI A/10 Slick	(952 cf) 388 cf) DEPTH SET 6268' HOT, FRACTUR 651s 15% HC floam, w/99,4	(MD) 8E, CEM L. Fra 1728 20: 4. Fra 39# 20:	TUBING RECOR	ETC. als 60Q N2 nd. N2 = 1267.2 SCF als 60Q N2 nd. N2 = 1267.4 SCF consider of protein and protei
7" J-58 4 1/2" J-58 4 1/2" J-58 SIZE TOP (A PERFORATION REC 1" @ 1 8PF O/LMF 6158" - 6 AF/CH 5824" - 6 tal holes = 60 EFIRST PRODUCTION W/O Facilities E OF TEST 7/17/08 W TUBING PRESS: 51-888# LUST OF ATTACHME This is a standi	20/23 10.68 10.68 20) BOT 20RD (((newve)) 6476' = 30 2078' = 30 20	UNER RETOM (MD) Lare and num O holes holes FERRORE THESSURE THESSURE	4248' 8521' CORD SACKS CEME SACKS CEME CHORE SIZE 1/2" CALCULATED 24-HOUR RATE Set before	S 3/4 S (//4* SCREEN (MD) S3. 6185' - 6476' 6624' - 6078' Flowing PRODUEDR OIL-1 TEST PERIOD OIL-98L O	984. PRODUCTION A PRODUCTION A PRODUCTION A PRODUCTION A 2379 mc/fd	SX. J-55 CID, SI AJ10 SIICK GAS- 99 m	(952 cf) 385 cf) DEPTH SET 6268' HOT, FRACTUF 6bis 15% HC MOSM, w/99,4 bbis 15% HC floam, w/98,1	(MD) 8E, CEM L. Fra 1728 20: 4. Fra 39# 20:	TUBING RECOR	ETC. als 60Q N2 nd. N2 = 1267.2 SCF als 60Q N2 nd. N2 = 1267.4 SCF movement of protection (CAS-OIL RAYIO) UIL GRAVITY APPLICORES (CAS-OIL RAYIO)
PERFORATION REC "@ 1 8PF O'LMF 6158' - AF/CH 5824' - 6 tal holes = 60 EFIRST PRODUCTION W/O Facilities E OF TEST 7/17/08 W. TUBING PRESS: \$1-888# UST OF ATTACHME This is a stand:	20/23 10.68 10.68 20) BOT 20RD (((newve)) 6476' = 30 2078' = 30 20	UNER RETOM (MD) Lare and num O holes holes FERRORE THESSURE THESSURE	4248' 8521' CORD SACKS CEME SACKS CEME CHORE SIZE 1/2" CALCULATED 24-HOUR RATE Set before	S 3/4 5 1/4 SCREEN (MD) SS. 6185' - 8676' 6624' - 8678' Flowing PRODUPOR OILLIEST PERIOD OILLIEST PERIOD OILLIEST PRODUCTION.	PRODUCTION A PRODUCTION A PRODUCTION A PRODUCTION A PRODUCTION A PRODUCTION A A A A A A A A A A A A A A A A A A A	SX. J-55 CID, SI AJ10 SIICK GAS- 99 m	(952 cf) 385 cf) DEPTH SET 6268' HOT, FRACTUF 6bis 15% HC MOSM, w/99,4 bbis 15% HC floam, w/98,1	(MD) L. Frac 1728 20 L. Frac 39# 20 WATE	TUBING RECOR	ETC. als 60Q N2 nd. N2 = 1267.2 SCF als 60Q N2 nd. N2 = 1267.4 SCF make 60Q N2 nd. N2 = 1267.4 SCF

The 18 U.S.C. Section 1001, makes a a crime for any person known grand mining to measure separation of a United States any false, fictitious or fraudulent statements or representations as any matter within its jurisdiction.

JUL 2 5 2008

NMOCE

AERIAL MAP SAN JUAN 27-4 UNIT 140B



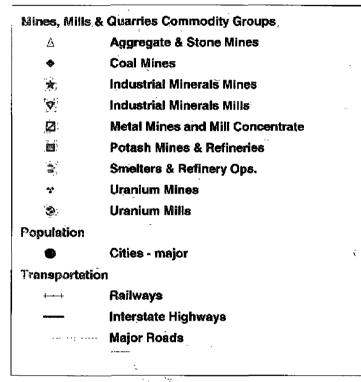
Data Source Aerial flown locally Sedgewick in 2005. Wetlands Data Aquired from U.S. Fish and Wildlife Http://wetlandswms.er.usgs.gov USGS Topo 300FT SJB Tri City Outlines
1000FT CITY NAME
AZTEC
BLOOMFIELD
FARMINGTON

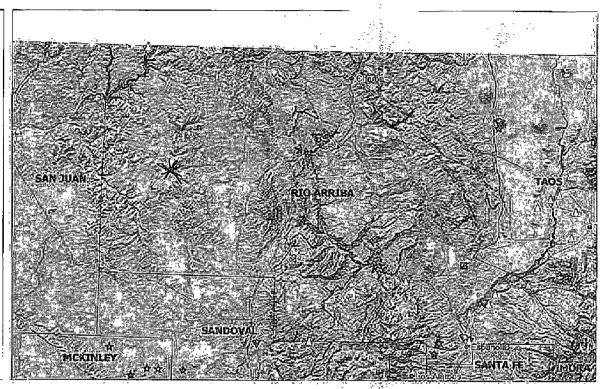
1:10,000

0 250 500 1,000 Feet NAD_1983_SP_ NM West_FIPS_ 3003

November 18, 2009

San Juan 27-4 Unit 140B Mines, Mills and Quarries Web Map









Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The San Juan 27-4 Unit 140B 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 San Juan 27-4 Unit 147Y, was drilled to 300' with an elevation of 7140'and no groundwater was found. The subject well has an elevation of 7159' which is 19' greater than the San Juan 27-4 Unit 147Y, therefore the groundwater depth is greater than 319'. 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 San Jose formation will create a stable area for this new location.

Hydrogeological report for San Juan 27-4 Unit 140B

Regional Hydrogeological context:

The San Jose Formation of Eocene age occurs in New Mexico and Colorado, and its outcrop forms the land surface over much of the eastern half of the central basin. It overlies the Nacimiento Formation in the area generally south of the Colorado-New Mexico State line and overlies the Animas Formation in the area generally north of the State line.

The San Jose Formation was deposited in various fluvial-type environments. In general, the unit consists of an interbedded sequence of sandstone, siltstone, and variegated shale. Thickness of the San Jose Formation generally increases from west to east (200 feet in the west and south to almost 2,700 feet in the center of the structural basin). Ground water is associated with alluvial and fluvial sandstone aquifers. Thus, the occurrence of ground water is mainly controlled by the distribution of sandstone in the formation. The distribution of such sandstone is the result of original depositional extent plus any post-depositional modifications, namely erosion and structural deformation. Transmissivity data for San Jose Formation are minimal. Values of 40 and 120 feet squared per day were determined from two aquifer tests (Stone et al, 1983, table 5). The reported or measured discharge from 46 water wells completed in San Jose Formation ranges from 0.15 to 61 gallons per minute and the median is 5 gallons per minute. Most of the wells provide water for livestock and domestic use.

The San Jose Formation is a very suitable unit for recharge from precipitation because soils that form on the unit are sandy and highly permeable and therefore readily adsorb precipitation. However, low annual precipitation, relatively high transpiration and evaporation rates, and deep dissection of the San Jose Formation by the San Juan River and its tributaries all tend to reduce the effective recharge to the unit.

Stone et al., 1983, Hydrogeology and Water Resources of the San Juan Basin, New Mexico: Socorro, New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 6, 70 p.

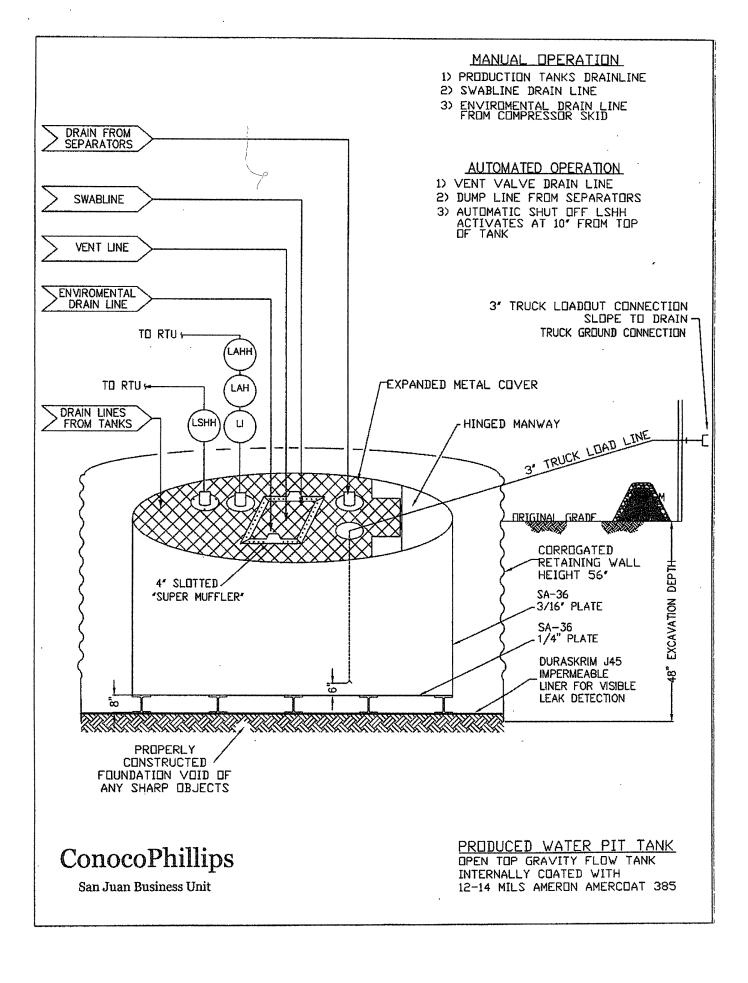
Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Design and Construction

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®

J30, J36 & J45

PROPERTIES	TEST METHOD	J3	0BB	J36BB		J451	3B
		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages
Appearance		Black	/Black	Black/	Black	Black/l	3lack
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 encapsulat	ed 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
1. Tensile Elongation @ Break 9 (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 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 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					
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

Sioux Falls, South Dakota

SALES OFFICE

INDUSTRIES

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