District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Ave., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-144 July 21, 2008 For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.
	Pit, Closed-Loop System, Below-Grad	e Tank, or
Propos	ed Alternative Method Permit or Closur	
Type of action:	 X Permit of a pit, closed-loop system, below-grade t Closure of a pit, closed-loop system, below-grade Modification to an existing permit Closure plan only submitted for an existing permit below-grade tank, or proposed alternative method application (Form C-144) per individual pit, closed-loop 	tank, or proposed alternative method tted or non-permitted pit, closed-loop system,
	of this request does not relieve the operator of liability should operations r	
	ieve the operator of its responsibility to comply with any other applicable	
Operator: Burlington Resources O Address: PO Box 4289, Farmingto Facility or well name: SUTTON 1 API Number:		OGRID#: <u>14538</u>
U/L or Qtr/Qtr: D Secti Center of Proposed Design: Latitud Surface Owner: Federal		1W County: San Juan -108.03713°W NAD: X 1927 1983 n Allotment
Permanent Emergency C Lined Unlined L String-Reinforced	kover Cavitation P&A	HDPE PVC Other _ bbl Dimensions L x W x D
Type of Operation: P&A Drying Pad Above Group Lined Unlined	notice of intent) and Steel Tanks Haul-off Bins Other	activities which require prior approval of a permit or
4 X Below-grade tank: Subsection Volume: 120 b Tank Construction material:	bl Type of fluid: Produced Water Metal etection X Visible sidewalls, liner, 6-inch lift and auto Visible sidewalls only Other	omatic overflow shut-off
5 Alternative Method: Submittal of an exception request is re	quired. Exceptions must be submitted to the Santa Fe Enviro	nmental Bureau office for consideration of approval.
Form C-144	Oil Conservation Division	Page 1 of 5 Z6

	1.1.1.1.1	
Fending: 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, insi	titution or chu	rch)
Four foot height, four strands of barbed wire evenly spaced between one and four feet		
Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.	15.18	
etting: 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)	1.10	
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	-	-
dministrative Approvals and Exceptions: ustifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	•	
lease check a box if one or more of the following is requested, if not leave blank:		
X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for cons (Fencing/BGT Liner)	ideration of a	pproval.
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	11/0/12	10.0
		1.1
iting 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 murce material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the popropriate 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 poses not apply to drying pads or above grade-tanks associated with a closed-loop system.		
 round 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
Vithin 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa ike (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes	XNo
Vithin 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial opplication.	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	-	
/ithin 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	No
Applied to permanent pits)	XNA	
 Visual inspection (certification) of the proposed site; Aerial photo; Satellite image /ithin 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering urposes, 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.		
(ithin incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance lopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes	XNo
- Written confirmation or verification from the municipality; Written approval obtained from the municipality ithin 500 feet of a wetland.	TYes	XNo
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site		
ithin the area overlying a subsurface mine.	Yes	XNo
Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division		
Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division (ithin an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological pociety; Topographic map	Yes	XNo

Oil Conservation Division

a second s			ment Checklist: Subsection B of 19.15.17.9 NMAC check mark in the box, that the documents are attached.
		and the second sec	raph (4) of Subsection B of 19.15.17.9 NMAC
H · · · ·			s of Paragraph (2) of Subsection B of 19.15.17.9
8	pliance Demonstrations - based up		
			IS 01 19.13.17.10 NMAC
	l upon the appropriate requirement		
8	atenance Plan - based upon the app		
	e complete Boxes 14 through 18, i and 19.15.17.13 NMAC	if applicable) - based upon the a	appropriate requirements of Subsection C of
Previously Approved D	esign (attach copy of design)	API	or Permit
Instructions: Each of the follo		application. Please indicate, by a c	7.9 NMAC check mark in the box, that the documents are attached. ments of Paragraph (3) of Subsection B of 19.15.17.9
			e appropriate requirements of 19.15.17.10 NMAC
H			e appropriate requirements of 19.13.17.10 MMAC
8	upon the appropriate requirements		
Operating and Main	atenance Plan - based upon the app	propriate requirements of 19.15	.17.12 NMAC
Closure Plan (Please NMAC and 19.15.1		f applicable) - based upon the a	appropriate requirements of Subsection C of 19.15.17.9
Previously Approved D	esign (attach copy of design)	API	
Previously Approved O	perating and Maintenance Plan	API	
nstructions: Each of the fol Hydrogeologic Repo Siting Criteria Com Climatological Facto Certified Engineerin Dike Protection and Leak Detection Desi Liner Specifications Quality Control/Qua Operating and Main Freeboard and Over Nuisance or Hazard Emergency Respons Oil Field Waste Stre Monitoring and Insp Erosion Control Plan	ort - based upon the requirements of pliance Demonstrations - based up ors Assessment ng Design Plans - based upon the ag Structural Integrity Design: based ign - based upon the appropriate re and Compatibility Assessment - b ality Assurance Construction and Ir the tenance Plan - based upon the appr topping Prevention Plan - based up ous Odors, including H2S, Prevent are Plan am Characterization bection Plan n	e application. Please indicate, by o of Paragraph (I) of Subsection I pon the appropriate requirements appropriate requirements of 19. I upon the appropriate requirements equirements of 19.15.17.11 NM based upon the appropriate requirements installation Plan propriate requirements of 19.15. pon the appropriate requirement tion Plan	ts of 19.15.17.10 NMAC 15.17.11 NMAC ments of 19.15.17.11 NMAC MAC mirements of 19.15.17.11 NMAC .17.12 NMAC
4 roposed Closure: 19.15	.17.13 NMAC		
	e the applicable boxes, Boxes 14 thro	ough 18, in regards to the propose	ed closure plan.
ype: Drilling Wo	orkover Emergency Cavita	ation P&A Permanent	t Pit X Below-grade Tank Closed-loop System
roposed Closure Method:	X Waste Excavation and Remova	And States and the second states and the sec)
	Waste Removal (Closed-loop s		
	On-site Closure Method (only	for temporary pits and closed-lo	op systems)
	In-place Burial	On-site Trench	
A STATISTICS	Alternative Closure Method (E	Exceptions must be submitted to	the Santa Fe Environmental Bureau for consideration)
5			
			Each of the following items must be attached to the closure plan
	and the second		MAC
X Re-vegetation Plan -	based upon the appropriate receiving	rements of Subsection I of 19.1	5 17 13 NMAC
Xaste Excavation and Reference lease indicate, by a check m X Protocols and Proced X Confirmation Sample X Disposal Facility Na X Soil Backfill and Co	Alternative Closure Method (E emoval Closure Plan Checklist: (bark in the box, that the documents a dures - based upon the appropriate ing Plan (if applicable) - based upon me and Permit Number (for liquid ver Design Specifications - based upon	Exceptions must be submitted to (19.15.17.13 NMAC) <i>Instructions</i> are attached. requirements of 19.15.17.13 N on the appropriate requirements ds, drilling fluids and drill cuttin upon the appropriate requirement	E: Each of the following items must be attached to the closure point NMAC s of Subsection F of 19.15.17.13 NMAC ngs) ents of Subsection H of 19.15.17.13 NMAC

16 <u>Waste Removal Closure For Closed-loop Systems That Utilize Above Groun</u> Instructions: Please identify the facility or facilities for the disposal of liquids, de are required.		facilities
Disposal Facility Name:	Disposal Facility Permit #:	1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A
Disposal Facility Name:		
Will any of the proposed closed-loop system operations and associated ac Yes (If yes, please provide the information No		
Required for impacted areas which will not be used for future service and operation Soil Backfill and Cover Design Specification - based upon the app Re-vegetation Plan - based upon the appropriate requirements of S Site Reclamation Plan - based upon the appropriate requirements of S	ropriate requirements of Subsection H of 19.15.17.13 NMA Subsection I of 19.15.17.13 NMAC	AC
17 Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 If Instructions: Each siting criteria requires a demonstration of compliance in the closure p certain siting criteria may require administrative approval from the appropriate district for consideration of approval. Justifications and/or demonstrations of equivalency are r	plan. Recommendations of acceptable source material are provided be office or may be considered an exception which must be submitted to th	
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS: Dat	a obtained from nearby wells	Yes No
Ground water is between 50 and 100 feet below the bottom of the buried	wate	Yes No
 NM Office of the State Engineer - iWATERS database search; USGS; Data 		Yes No N/A
Ground water is more than 100 feet below the bottom of the buried waste.		Yes No
- NM Office of the State Engineer - iWATERS database search; USGS; Data	a obtained from nearby wells	N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other s (measured from the ordinary high-water mark).	ignificant 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 church Visual inspection (certification) of the proposed site; Aerial photo; satellite in 		Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that le purposes, or within 1000 horizontal fee of any other fresh water well or spring, in - NM Office of the State Engineer - iWATERS database; Visual inspection (c Within incorporated municipal boundaries or within a defined municipal fresh wa	existence at the time of the initial application. exertification) of the proposed site	
 Written confirmation or verification from the municipality; Written approva 		Yes No
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map; Visua	l inspection (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine. - Written confiramtion or verification or map from the NM EMNRD-Mining	and Mineral Division	Yes No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology	& Mineral Resources; USGS; NM Geological Society;	Yes No
Topographic map Within a 100-year floodplain. - FEMA map		Yes No
18 On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: E 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 up Construction/Design Plan of Temporary Pit (for in place burial of a Protocols and Procedures - based upon the appropriate requirement	priate requirements of 19.15.17.10 NMAC ements of Subsection F of 19.15.17.13 NMAC on the appropriate requirements of 19.15.17.11 NMAC drying pad) - based upon the appropriate requirements of 1	
Confirmation Sampling Plan (if applicable) - based upon the approp		
Waste Material Sampling Plan - based upon the appropriate require		
 Disposal Facility Name and Permit Number (for liquids, drilling flu Soil Cover Design - based upon the appropriate requirements of Sul 	ids and drill cuttings or in case on-site closure standards ca	nnot be achieved)

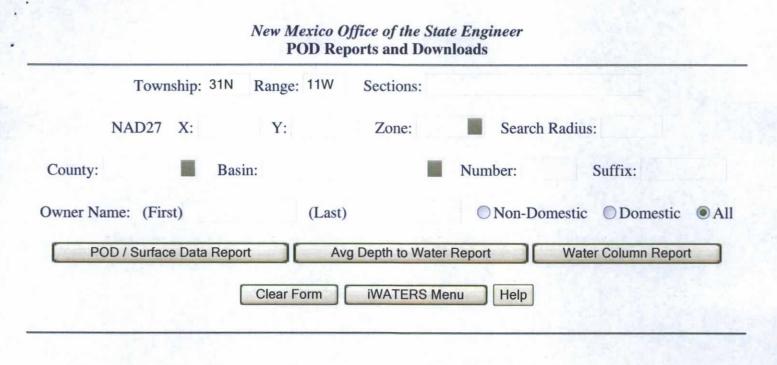
 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Oil Conservation Division

19 Operator Application Certification:		
I hereby certify that the information submitted with this application is true, acc	urate and complete to the	hest of my knowledge and helief
Name (Print): Crystal Tafoya	Title:	Regulatory Technician
Signature: Cuptel Japon	Date:	12/22/2008
e-mail address: crystal.tatoya@conocophillios.com	Telephone:	505-326-9837
20		
OCD Approval: Permit Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)
OCD Representative Signature:		Approval Date:
Title:	OCD Por	sit Number
Title:	OCD Ferri	nit Number:
21		
Closure Report (required within 60 days of closure completion): Sub		
Instructions: Operators are required to obtain an approved closure plan prior a		
report is required to be submitted to the division within 60 days of the completi	on of the closure activitie	s. Please do not complete this section of the form until an
approved closure plan has been obtained and the closure activities have been of	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	14 A A A A A A A A A A A A A A A A A A A	
Closure Report Regarding Waste Removal Closure For Closed-loop System	s That Utilize Above Gr	ound Steel Tanks or Haul-off Bins Only:
Instructions: Please identify the facility or facilities for where the liquids, dril		
were utilized.		
Disposal Facility Name:	Disposal Facility	Permit Number:
Disposal Facility Name:	Disposal Facility	
Were the closed-loop system operations and associated activities performed	on or in areas that will no	t be used for future service and opeartions?
Yes (If yes, please demonstrate compliane to the items below)	No	
Required for impacted areas which will not be used for future service and op	perations:	
Site Reclamation (Photo Documentation)		
Soil Backfilling and Cover Installation		and the second
Re-vegetation Application Rates and Seeding Technique		
24		
Closure Report Attachment Checklist: Instructions: Each of the foll	owing items must be atta	ched 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		
		2/18/19/2019
Re-vegetation Application Rates and Seeding Technique		36 1748 116 V
Site Reclamation (Photo Documentation)		
On-site Closure Location: Latitude:	Longitude:	NAD 1927 1983
A LEAD WRITE A LEAD AND A LEAD AN	× 7 * 1	
25		
Operator Closure Certification:		
I hereby certify that the information and attachments submitted with this closure	e report is ture, accurate a	and complete to the best of my knowledge and belief. I also certify that
the closure complies with all applicable closure requirements and conditions sp	ecified in the approved cl	osure plan.
Name (Print):	Title:	
	I lue:	the second s
Signature:	Date:	1 Contraction of the
		A CONTRACTOR OF
e-mail address:	Telephone:	a stranger in section in

Oil Conservation Division



WATER COLUMN REPORT 01/14/2009

	(quarter	s are	e 1=	NW	2:	=NE	3=SW 4=	SE)					
	(quarter	s are	e bi	gge	est	t to	smalle	st)		Depth	Depth	Water	(in
POD Number	Tws	Rng	Sec	q	q	g	Zone	х	Y	Well	Water	Column	
SJ 02395	31N	11W	13		1	3				95	35	60	
SJ 00560	31N	11W	13		4					39	25	14	
SJ 01551	31N	11W	13	2	4					64	42	22	
SJ 01729	31N	11W	13	2						48	28	20	
SJ 01640	31N	11W	13	2	4					32	7	25	
SJ 01539	31N	11W	13	3						52	30	22	
SJ 01541	31N	11W	13	3						52	30	22	
SJ 00946	31N	11W	13	3	3					135	100	35	
SJ 01879	31N	11W	13	4						26	8	18	
SJ 01540	31N	11W	13	4						52	30	22	
SJ 01801	31N	11W	13	4						22	15	7	
SJ 03412	31N	11W	13	4	2					60			
SJ 03413	31N	11W	13	4	2					60			
SJ 03736 POD1	31N	11W	13	4	2	1				19	6	13	
SJ 02495	31N	11W	13	4	2	1				28	12	16	
SJ 03623	31N	11W	13	4	2	1				30	16	14	
SJ 03264	31N	11W	13	4	2	2				20	11	9	
SJ 03125	31N	11W		4	2	4				20	5	15	
SJ 03124	31N	11W	13	4	2	4				20	5	15	
SJ 03712 POD1	31N	11W	13	4	3	1				19	11	8	
SJ 03670	31N	11W	13	4	3	4				26	10	16	
SJ 03018	31N	11W	13	4	3	4				20	8	12	
SJ 01767	31N	11W	13	4	4					42	18	24	
SJ 01699	31N	11W	13	4	4					42	12	30	
SJ 01609	31N	11W	13	4	4					40	18	22	
SJ 01730	31N	11W	13	4	4					40	24	16	
SJ 01537	31N	11W	13	4	4					52	28	24	
SJ 02149	31N	11W	13	4	4					35			
SJ 01542	31N	11W	13	4	4								
SJ 01645	31N	11W	13	4	4					22	6	16	
SJ 01644	31N	11W		4	4					23	6	17	
SJ 01731	31N	11W		4	4					43	25	18	
				_	-							-0	

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SJ 01683	31N	11W 13	4 4				45	25	20
SJ 01538	31N	11W 13	4 4				52	30	22
SJ 01663	31N	11W 13	4 4				45	25	20
SJ 02093	31N	11W 13	4 4	W	470700	2143800	40	20	20
SJ 03440	31N	11W 13	4 4 1				20	6	14
SJ 03085	31N	11W 13	4 4 2				18	8	10
SJ 03084	31N	11W 13	4 4 2				19	11	8
SJ 03064	31N	11W 13	4 4 3				45		
SJ 02801	31N	11W 13	4 4 3				36	5	31
SJ 02838	31N	11W 13	4 4 4				38	10	28
SJ 02855	31N	11W 13	4 4 4				31		
SJ 01142	31N	11W 13	4 4 4				30	8	22
SJ 02289	31N	11W 13	4 4 4				45	16	29
SJ 01173	31N	11W 13	4 4 4				46	28	. 18
SJ 03458	31N	11W 19	3 3 4				140		
SJ 02978	31N	11W 23	2 1 3				800		
SJ 02129	31N	11W 23	2 4				72	35	37
SJ 01817	31N	11W 23	2 4				65	20	45
SJ 02161	31N	11W 23	3 4				40	25	15
SJ 01600	31N	11W 24	1				30	6	24
SJ 02124	31N	11W 24	1 1				55	40	15
SJ 03755 POD1	31N	11W 24	14		269112	2142037	27	7	20
SJ 03695 POD1	31N	11W 24	1 4 2				25	13	12
SJ 03695 POD	31N	11W 24	1 4 2				25	13	12
SJ 03696	31N	11W 24	1 4 2				24	12	12
SJ 03695	_ 31N	11W 24	1 4 2				25	13	12
SJ 03696 POD1	31N	11W 24	1 4 2				24	12	12
SJ 01559	31N	11W 24	2				50	27	23
SJ 01375	_ 31N	11W 24	2 2				30	11	19
SJ 01744	_ 31N	11W 24	2 2				44	20	24
SJ 01986 S	_ 31N	11W 24	2 2 2				45	30	15
SJ 01986	_ 31N	11W 24	2 2 2				38	21	17
SJ 00555	_ 31N	11W 24	2 2 4				60	19	41
SJ 03408	_ 31N	11W 24	2 3 1				26	11	15
SJ 02924	_ 31N	11W 24	232				33	15	18
SJ 02928	31N	11W 24	2 3 2				70		
SJ 03650	_ 31N	11W 24	2 3 3				32	15	17
SJ 02888	_ 31N	11W 24	2 3 3				65	1.2	
SJ 02846	_ 31N	11W 24	2 3 3				45	18	27
SJ 03844 POD1	_ 31N	11W 24	2 3 3		269186	2141198	40		
SJ 03845 POD1	_ 31N	11W 24	234		269233	2141379	40		
SJ 00555 X	_ 31N	11W 24	2 4				58	39	19
SJ 02839	_ 31N	11W 24	2 4 1				55	19	36
SJ 03707 POD1	_ 31N	11W 24	2 4 1				60	40	20
SJ 02758	_ 31N	11W 24	2 4 2				69	51	18
SJ 02791	_ 31N	11W 24	2 4 2				74	54	20
SJ 00365	_ 31N	11W 24	2 4 4				71	40	31
SJ 00379	_ 31N	11W 24	2 4 4				65	40	25
SJ 01670	_ 31N	11W 24	3				45	27	18
SJ 00287	31N	11W 24	3 2 4				38	6	32
SJ 01553	_ 31N	11W 24	3 4				44	35	9
SJ 02171	_ 31N	11W 24	3 4 3				45	25	20
SJ 01366	31N	11W 24	4 1				30	11	19
SJ 02644	_ 31N	11W 24	4 1 4				45	18	27
SJ 01405	_ 31N	11W 24	4 3				30	9	21
SJ 00913	_ 31N	11W 24	4 3				81	55	26
SJ 01047	_ 31N	11W 24	4 3 4				205	70	135
SJ 00405	_ 31N	11W 24	434				69	42	27
SJ 01455	31N	11W 24	4 3 4				101	66	35

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SJ 03438	31N	11W	24	4	4	4	
SJ 03045	31N	11W	25	1	4	4	
SJ 02499	31N	11W	25	2	1	1	
SJ 03198	31N	11W	25	3	3	1	
SJ 02834	31N	11W	25	3	3	3	
SJ 03450	31N	11W	25	3	3	3	
SJ 03126	31N	11W		1	1	1	
SJ 01233	31N			1	4		
SJ 03158	31N			1	4	2	
SJ 00675	31N			1	4	3	
SJ 02887	31N			1	4		
SJ 02898	31N			2	1		
SJ 01789	31N			3	1	-1	
SJ 00705	31N			3	1	1	
SJ 00371	31N			3	1	2	
SJ 00363	31N	11W		3	1	4	
SJ 03323	31N	11W		3	1	4	
SJ 01545 X	31N	11W		3	3	4	
					1		
	31N	11W					
SJ 01519	31N	11W		4	2		
SJ 00610	31N	11W		4	2		
SJ 02011	31N	11W		4	2		
SJ 01620	31N	11W		4	2		
SJ 01628	31N	11W			2	-	
SJ 03697 POD1	31N	11W				3	
SJ 00561	31N				3		
SJ 00562	31N			4			
SJ 01042	31N			4			
SJ 00494	31N	11W			4		
SJ 02482	31N	11W		4	1	2	
SJ 03600	31N	11W		4	2	1	
SJ 03540	31N	11W		4	2	1	
SJ 03772 POD1	31N			4	2	1	
SJ 02914	31N	11W		4	2	3	
SJ 02468	31N	11W		4	2	3	
SJ 02871	31N	11W		4	2	4	
SJ 02656	31N	11W		4		4	
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SJ 02853	31N	11W	27	4	3	4	
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SJ 03181	31N	11W	27	4	4	1	
SJ 01884	31N	11W	30	4	2	3	
SJ 01739	31N	11W	30	4	2	4	
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		200		
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		49	27	22
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		51	28	23
		50		
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		22	6	16
		20		
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		89	50	39
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		300	200	100
		37	19	18
		16	7	9
		58	40	18
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http://iwaters.ose.state.nm.us:7001/iWATERS/WellAndSurfaceDispatcher

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SJ	00632		31N	11W	34	2		
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SJ	03047	A STATE OF THE STA	31N	11W	34	2	2	4
SJ	02113		31N	11W	34	2	3	
SJ	02119	Sector Sector	31N	11W		2	3	
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SJ	03106	1997 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	31N		34	2	4	1
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SJ		17 10 10 10 10 10 10 10 10 10 10 10 10 10					4	
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SJ	03002	State of the	31N	11W		3	2	4
SJ	03014		31N	11W	34	3	2	4
SJ	03220	ally in the second	31N	11W	34	3	3	1
SJ	02861		31N	11W	34	3	3	1
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SJ	03710	POD1	31N	11W	34	3	3	2
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-	02857	RAL CONTRACT	31N		34	3	4	1
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	03260	A STORE STORE	31N		34	3	4	4
	01608		31N		34	4	-	
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-	03016		31N	11W		4	3	1
SJ	02966	A COLOR	31N		34	4	3	3
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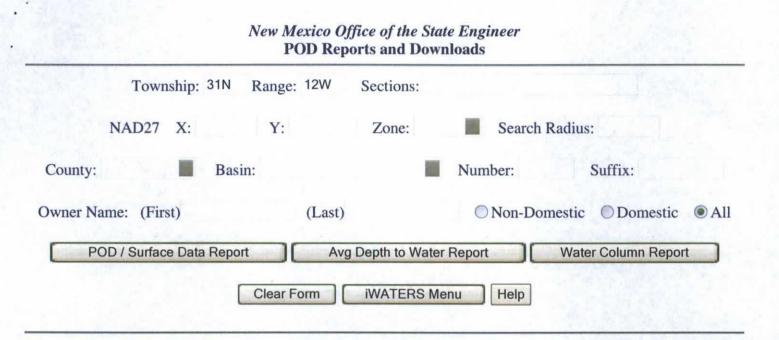
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		19	6	13
		12	4	8
		11	3	8
		33	11	22
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		15	5	10
		25		
		18	8	10
		19	6	13
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		22	7	15
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		23	7	16
		22	5	17
		22		
		30	5	25
		20	6	14
		21	7	14
		23	6	17
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		21	4	17
		23	6	17
		27	6	21
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		22	6	16
		30		10
		27	6	21
			6 3	
		41		38
		48	17	31
		21	6	15
		30	10	20
		25		
		20	2	18
		25	2 3	22
		35	1 - C - L -	-
		48	20	28
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		60	10	24
				1.4
		19	5	14

SJ	03371		31N	11W	35	1	1	3	
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SJ	03543	- A	31N	11W	35	1	4	4	
SJ	01319		31N	11W	35	2	2	2	
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SJ	03165	5	31N	11W	35	2	4	4	
SJ	00983		31N	11W	35	3			
SJ	00939	1979 J. T. L.	31N	11W	35	3			
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SJ	01580		31N	11W	35	3	1	1	
SJ	02933		31N	11W	35	3	1	2	
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		54		
		52	19	33
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		20		
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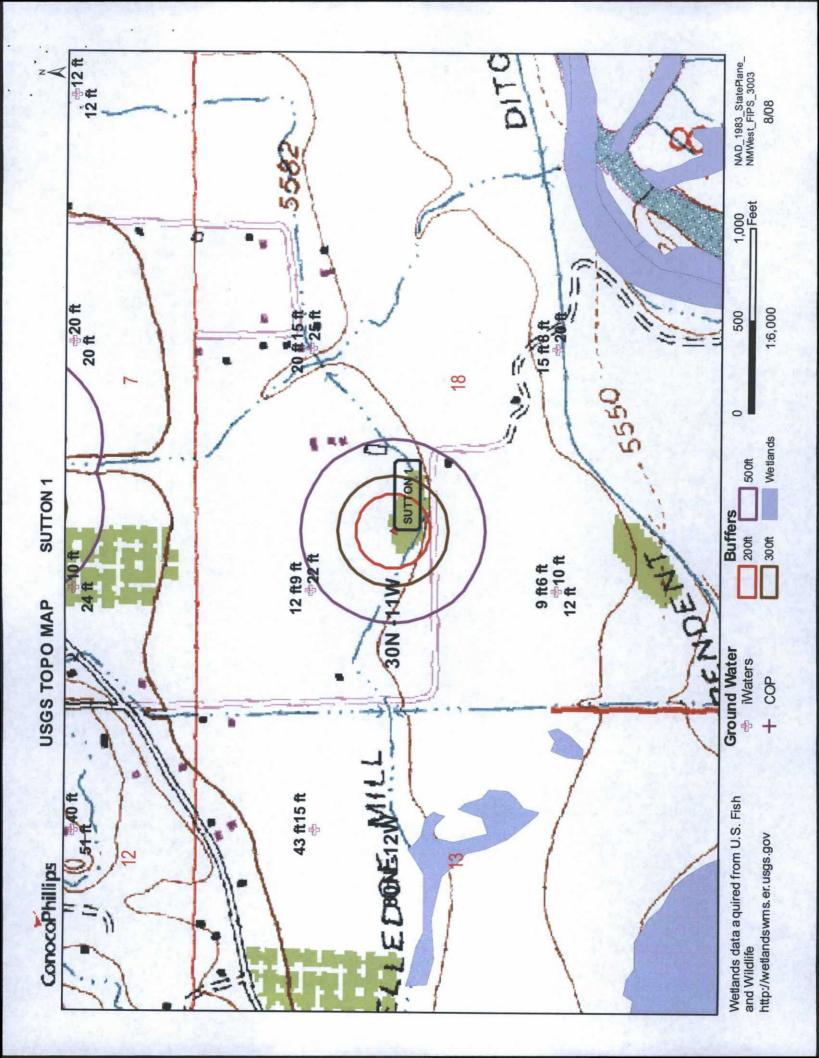
Page 5 of 5



WATER COLUMN REPORT 01/14/2009

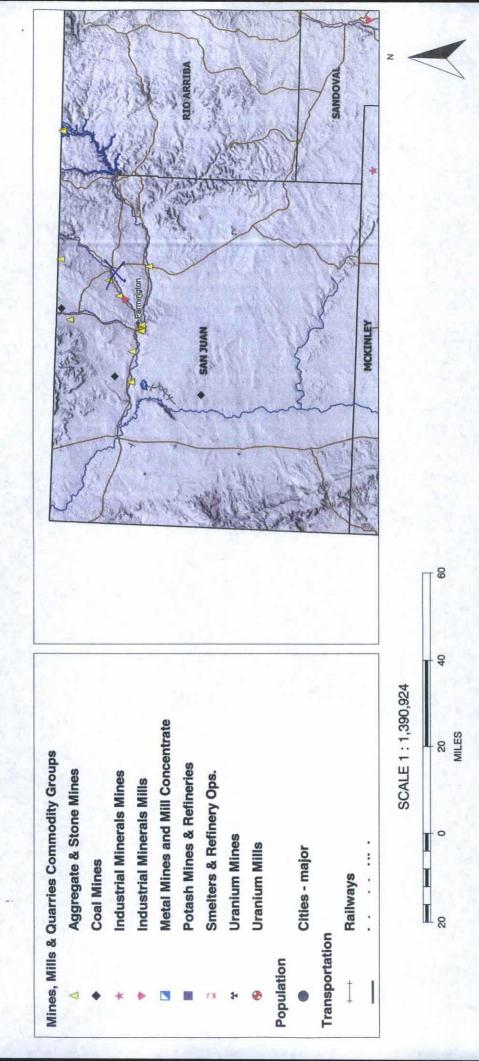
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POD Number	Tws	Rng	Sec	g	g	g	Zone	x	Y	Well	Water	Column	
SJ 03488	31N	12W	01	3	3	2				150			
SJ 03738 POD1	31N	12W	01	4	1	3				115	50	65	
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SJ 03134	31N	12W	01	4	3	2				80	20	60	
SJ 03022	31N	12W	01	4	3	2				490	250	240	
SJ 01660	31N	12W	01	4	3	3				320	275	45	
SJ 01649	31N	12W	01	4	3	4				220	161	59	
SJ 03660	31N	12W	01	4	3	4				70	42	28	
SJ 02099	31N	12W	01	4	4					95			
SJ 02904	31N	12W	08	4	4	4				325	142	183	
SJ 03026	31N	12W	24	4	3	4				140	85	55	
SJ 01477	31N	12W	25	2						565	505	60	
SJ 01163	31N	12W	25	2	1	3				200	90	110	
SJ 01108	31N	12W	25	2	1	4				245	90	155	
SJ 01303	31N	12W	25	2	2	3				210			
SJ 01180	31N	12W	25	2	2	4				200	120	80	
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SJ 03204	31N	12W	31	4	3	1				40	20	20	
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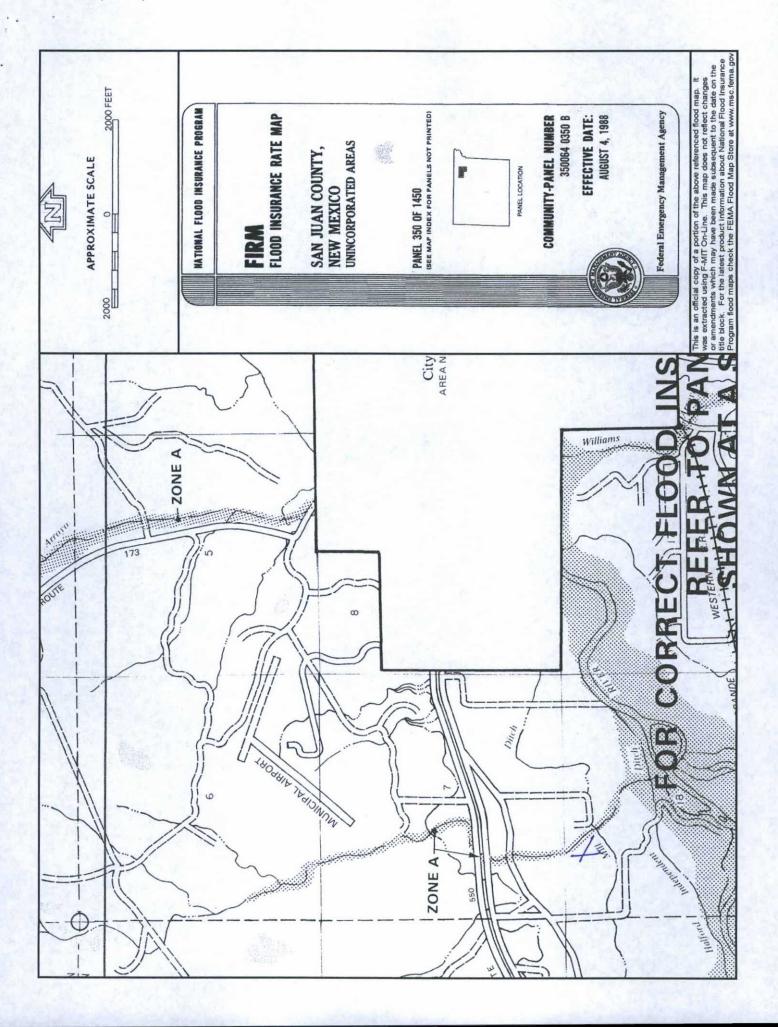
Record Count: 21





MMQonline Public Version / Sutton





SUTTON 1

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SUTTON 1', which is located at 36.81645 degrees North latitude and 108.03713 degrees West longitude. This location is located on the Flora Vista 7.5' USGS topographic quadrangle. This location is in section 18 of Township 30 North Range 12 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in San Juan County, New Mexico. The nearest town is Flora Vista, located 1.6 miles to the south. The nearest large town (population greater than 10,000) is Farmington, located 10.9 miles to the southwest (National Atlas). The nearest highway is US Highway 550, located 0.5 miles to the north. The location is on Private land and is 5,017 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Animas. Colorado, New Mexico, Sub-basin. This location is located 1703 meters or 5585 feet above sea level and receives 10.5 inches of rain each year. The vegetation at this location is classified as Agriculture as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 10 feet. This estimation is based on the data published on the New Mexico Engineer's iWaters Database website and water depth data from ConocoPhillips' Cathodic wells. Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. The nearest stream is named Elledge Mill Ditch and is 128 feet to the southeast and is classified by the USGS as a canal stream. The nearest perrenial stream is named Kochis Arroyo and is 2,041 feet to the southeast. The nearest water body is 4,745 feet to the east. It is classified by the USGS as a water treatment reservoir and is 0.4 acres in size. The nearest spring is 24,966 feet to the southwest. All stream, river, water body and spring information was determined as per the USGS Hydrographic Dataset (High Resolution), downloaded 3/2008. The nearest water well is 558 feet to the southeast. The nearest wetland is a 0.4 acre Freshwater Forested/Shrub Wetland located 1.524 feet to the southwest. The slope at this location is 2 degrees to the south as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is MODERN ALLUVIUM--Includes Piney Creek Alluvium and younger deposits with a Quaternary age younger alluvium and surficial deposits substrate. The soil at this location is 'Fruitland loam, 1 to 3 percent slopes' and is well drained and not hydric with slight erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 11.0 miles to the north as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

Regional Geological context:

Quaternary and recent deposits in the San Juan Basin include stream-deposited alluvium and older terrace deposits, landslide deposits, and Aeolian sand. Most Quaternary and younger deposits area unconsolidated and form a thin covering over older bedrock sediments.

Stream-deposited alluvium and older terrace deposits are associated with major streams and rivers in the San Juan Basin. The alluvium consists of unconsolidated sediments that range from silt to cobbles in size but predominantly are sand and gravel. Along major streams the alluvium is varied in composition, depending on the mix of material from the various erosion source areas and fluvialy-driven sorting. Alluvial deposits also occur as a thin veneer of fine-grained sediments in the valleys of intermittent streams. Landslide deposits are mapped on the northeastern flank of the Chuska Mountains and locally in the San Juan Mountains. These colluvial deposits consist of material derived from the topographically higher source areas. The landslide material on the flank of Chuska Mountains consists of reworked sand from the Chuska Sandstone; the deposits in the San Juan Mountains primarily are derived from volcanic or volcaniclastic sources.

Unconsolidated wind-blown deposits are common in the central part of the basin, although they generally are not mapped on small scale geologic maps. Typically, these deposits are very thin, but local dunes near dry washes, which are excellent sources of fine-grained material, may reach heights of 20 feet. These recent Aeolian deposits are not known to yield water to wells.

Hydraulic Properties:

In the absence of other sources of water, alluvial deposits, where present, are commonly relied upon as a source of water for domestic and livestock use. Along the major rivers and streams, wells are of conventional vertical design, whereas in the valleys of intermittent streams, where the hydraulic conductivities and saturated thickness are generally small, most wells are constructed as galleries of horizontal drains feeding to a central collector. Reported well yields range from less than 1 gallon per minute to as much as 1,100 gallons per minute. The median yield of 48 wells is 15 gallons per minute. Hydraulic conductivities of sand and gravel can vary from 10 to 1,000,000 gallons per day per foot squared (roughly 1 to 100,000 feet per day) (Freeze and Cherry, 1979, table 2.2.) but a more typical range is from 15 feet per day for fine sand to about 1,000 feet per day for coarse gravel (Lohman, 1972, table 17). Tests along the San Juan River upstream from Farmington indicate that the hydraulic conductivity of alluvium ranges from 0.006 to 220 feet per day (Peter et al, 1987, p. 29). The thickness of alluvium at this site was reported to range from about 14 to 61 feet, and the saturated thickness was less than 25 feet in all 13 test holes. Water occurs in the alluvium under unconfined conditions. No tests have been made where the storage coefficient of the alluvium was determined. However, a typical specific yield for moderate to well-sorted unconsolidated sediments would be in the range of 0.1 to 0.25.

No known hydraulic data exists for the landslide and recent Aeolian deposits in the basin. No instances are known where these deposits are used as a source of water.

References:

Freeze, R.A., and Cherry, J.A., 1979, Groundwater: Englewood cliffs, N.J., Prentice-Hall, Inc., 604 p. Lohman, S.W., 1972, Ground-water hydraulics: U.S.G.S. Professional Paper 708, 70 p. Peter, K.D., Williams, R.A., and King, K.W., 1987, Hydrogeologic characteristics of the Lee Acres landfill area, San Juan County, New Mexico: U.S.G.S. Water Resources Investigations Report 87-4246, 69 p.

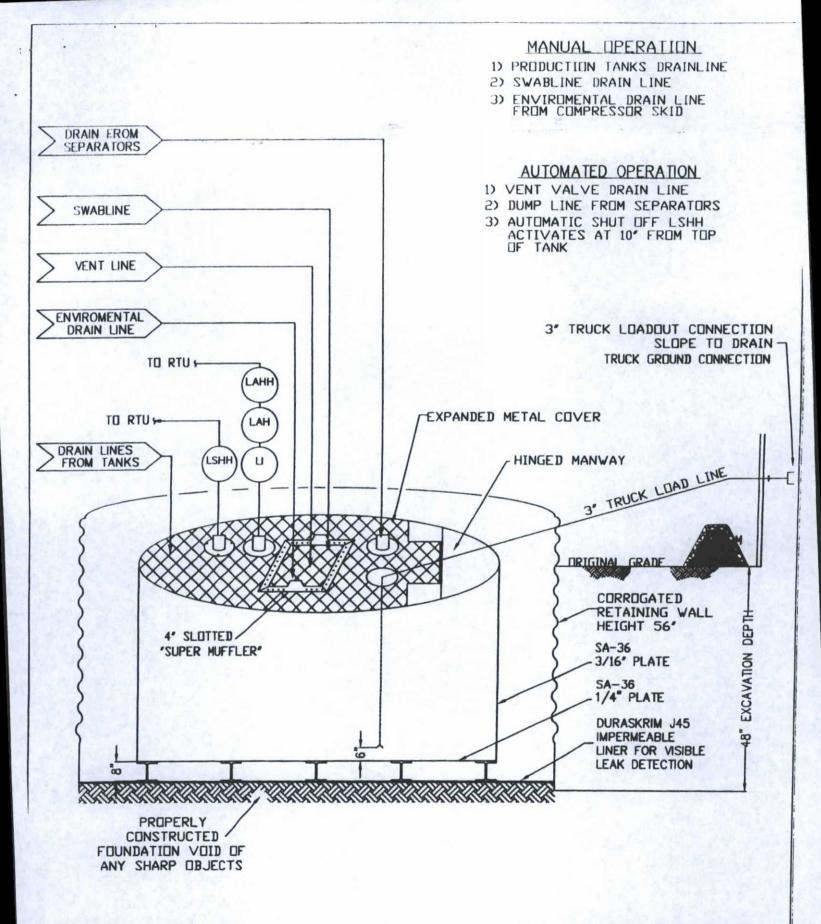
Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Design and Construction

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.
- 6. The BR below-grade tank system shall have a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom as shown on design drawing.
- 7. BR shall operate and install the below-grade tank to prevent the collection of surface water run-on. BR has built in shut off devices that do not allow a belowgrade tank to overflow. BR constructs berms and corrugated retaining walls at least 6" above ground to keep from surface water run-on entering the below grade tank as shown on the design plan.
- 8. BR will construct and use a below-grade tank that does not have double walls. The below-grade tank's side walls will be open for visual inspection for leaks, the below-grade tank's bottom is elevated a minimum of six inches above the underlying ground surface and the below-grade tank is underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected.

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



PRODUCED WATER PIT TANK OPEN TOP GRAVITY FLOW TANK INTERNALLY COATED WITH 12-14 MILS AMERON AMERCOAT 385

San Juan Business Unit

ConocoPhillips

PROPERTIES	TEST METHOD	J30BE		J3	68 8	J4588			
		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages		
Appearance		Black/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		**Extrusion laminated with encapsulated tri-directional scrim reinforcement							
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 ¹ Tensile Elongation @ Break. % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD		
1" Tensile Elongation @ Peak % (Scrim Break)	ASTM D 7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	20 MD 20 DD	36 MD 36 DD		
Tongue Tear Strength	ASTM D 5884	75 lbf MD 75 lbf DD	97 lbf MD 90 lbf DD	75 lbf MD 75 lbf DD	104 lbf MD 92 lbf DD	100 lbf MD 100 lbf DD	117 lbf MD 118 lbf DD		
Grab Tensile	ASTM D 7004	180 lbf MD 180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD 220 lbf DD	257 lbf MD 258 lbf DD		
Trapezoid Teat	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	AND	180° F	180° F	180° F	180° F	180° F	180° F		
Minimum Use Temperature		-70° F	-70° F	-70° F	-70° F	-70° F	-70° F		

MD = Machine Direction DD = Diagonal Directions

OURA-SEDIM

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 Luberty for resulting loss or damage.

RAVEN Industries

PLANT LOCATION

Sioux Falls, South Dakota

SALES OFFICE

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

R H S

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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 below-grade 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:

- 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 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 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.
- 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.
- 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 below-grade 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

OCD Aztec District III Conoco Phillips/Burlington Checklist Below Grade Tank Registration

19.15.17.9 Permit application

Signed C-144 (Page 5 of C-144)

Site Specific Hydrogeology

19.15.17.10 Siting requirements

New Mexico Office of State Engineer attachment USGS TOPO map Aerial Map Mines, Mills and Quarries Web Map FIRM map (flood insurance rate map from Federal Emergency Management Agency)

19.15.17.11 Design Plan Contents

Below Grade Tank Design and Construction Plan.

19.15.17.12 Operating and Maintenance Plan

Below Grade Tank Operating and Maintenance Plan

19.15.17.13 Closure Plan

Below Grade Tank Closure Plan

Requirements:

Registration Date: 12-FEB -2016